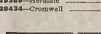
1847 ROGERS BROS.
SILVERWARE

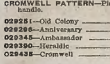
AMBASSADOR PATTERN—Baby Spoon, bent handle.

	Per doz.
029250—Old Colony	14.40
029295—Anniversary	14.40
029344—Ambassador	14.40
029369—Heraldic	14.40
029434—Cromwell	14.40



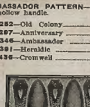
CROMWELL PATTERN—Pickle Fork, long handle.

	Per doz.
029251—Old Colony	24.00
029296—Anniversary	24.00
029345—Ambassador	24.00
029390—Heraldic	24.00
029438—Cromwell	24.00



AMBASSADOR PATTERN—Cheese Server, hollow handle.

	Each
029282—Old Colony	3.20
029327—Anniversary	3.20
029346—Ambassador	3.20
029339—Heraldic	3.20
029435—Cromwell	3.20



HERALDIC PATTERN—Orange Spoons.

	Per doz.
029253—Old Colony	11.20
029298—Anniversary	11.20
029347—Ambassador	11.20
029392—Heraldic	11.20
029437—Cromwell	11.20

HERALDIC PATTERN—Knife and Fork Set, 6 hollow handle Medium Knives, 6 flat handle Medium Forks.

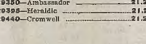
	Per set
029254—Old Colony	22.60
029299—Anniversary	22.60
029348—Ambassador	22.60
029393—Heraldic	22.60
029436—Cromwell	22.60

AMBASSADOR PATTERN—Knife and Fork Set, 6 solid handle Medium Knives, 6 solid handle Medium Forks.

	Per set
029256—Old Colony	11.60
029300—Anniversary	11.60
029340—Ambassador	11.60
029394—Heraldic	11.60
029439—Cromwell	11.60

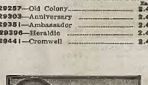
HERALDIC PATTERN—Butter Knife.

	Per doz.
029258—Old Colony	21.28
029302—Anniversary	21.28
029350—Ambassador	21.28
029395—Heraldic	21.28
029440—Cromwell	21.28



HERALDIC PATTERN—Cold Meat Fork.

	Each
029257—Old Colony	2.40
029303—Anniversary	2.40
029351—Ambassador	2.40
029396—Heraldic	2.40
029441—Cromwell	2.40



CROMWELL PATTERN SOUP SPOONS.

	Per doz.
029242—Old Colony	18.80
029336—Ambassador	18.80
029287—Anniversary	18.80
029381—Heraldic	18.80
029426—Cromwell	18.80

HERALDIC PATTERN—Oyster Forks.

	Per doz.
029288—Old Colony	11.60
029304—Anniversary	11.60
029352—Ambassador	11.60
029397—Heraldic	11.60
029443—Cromwell	11.60

AMBASSADOR PATTERN—Butter Spreader.

	Per doz.
029259—Old Colony	14.40
029305—Anniversary	14.40
029353—Ambassador	14.40
029385—Heraldic	14.40
029443—Cromwell	14.40

Extra for Engraving Flatware

	Per doz. pieces Single letter	Per doz. pieces Initials
Old English, plain	1.20	
Old English, shaded	6.00	
Script, plain	1.20	
Script, fancy	2.20	
Script names	Per doz. Single letter	Initials
Old English names	1.60	

HERALDIC PATTERN—Sugar Shell.

	Per doz.
029260—Old Colony	19.50
029306—Anniversary	19.50
029384—Ambassador	19.50
029399—Heraldic	19.50
029444—Cromwell	19.50

CROMWELL PATTERN—Butter Knife and Sugar Shell, Set in box.

	Per set
029281—Old Colony	3.60
029307—Anniversary	3.60
029385—Ambassador	3.60
029400—Heraldic	3.60
029445—Cromwell	3.60

OLD COLONY PATTERN—Pie Server.

	Each
029262—Old Colony	4.70
029308—Anniversary	4.70
029386—Ambassador	4.70
029401—Heraldic	4.70
029446—Cromwell	4.70

AMBASSADOR PATTERN—Cream Ladle.

	Per doz.
029283—Old Colony	3.20
029309—Anniversary	3.20
029387—Ambassador	3.20
029402—Heraldic	3.20
029447—Cromwell	3.20

GRAVY LADLE.

	Each
029284—Old Colony	2.80
029310—Anniversary	2.80
029388—Ambassador	2.80
029403—Heraldic	2.80
029448—Cromwell	2.80

CROMWELL PATTERN—Child's Set, Knife, Fork and Spoon.

	Per set
029265—Old Colony	3.60
029311—Anniversary	3.60
029389—Ambassador	3.60
029404—Heraldic	3.60
029449—Cromwell	3.60

OLD COLONY PATTERN—Knife and Fork Set, 6 flat handle Medium Knives, 6 flat handle Medium Forks.

	Per set
029266—Old Colony	14.00
029312—Anniversary	14.00
029390—Ambassador	14.00
029406—Heraldic	14.00
029450—Cromwell	14.00

AMBASSADOR PATTERN—Sugar Tongs.

	Each
029287—Old Colony	2.80
029313—Anniversary	2.80
029391—Ambassador	2.80
029406—Heraldic	2.80
029451—Cromwell	2.80

OLD COLONY PATTERN—Olive Spoon.

	Each
029268—Old Colony	2.00
029362—Ambassador	2.00
029407—Heraldic	2.00
029314—Anniversary	2.00

AMBASSADOR PATTERN—Berry Spoon.

	Each
029269—Old Colony	3.60
029315—Anniversary	3.60
029363—Ambassador	3.60
029408—Heraldic	3.60
029453—Cromwell	3.60

AMBASSADOR—Individual Salad Forks.

	Per doz.
029270—Old Colony	17.60
029316—Anniversary	17.60
029364—Ambassador	17.60
029409—Heraldic	17.60
029454—Cromwell	17.60

OLD COLONY PATTERN—Bouillon Spoons.

	Per doz.
029271—Old Colony	16.40
029317—Anniversary	16.40
029365—Ambassador	16.40
029410—Heraldic	16.40
029455—Cromwell	16.40

PLAIN PATTERN—Knife and Fork Set,

	Per set
029272—6 plain solid handle Medium Knives, 6 plain solid handle Medium Forks	10.40

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

1847 ROGERS BROS.
SILVERWARE

SEVENTY-FIFTH ANNIVERSARY CHESTS IN LEATHERETTE LINED ANNIVERSARY BOX FOR WHICH THERE IS NO ADDITIONAL CHARGE.

26-PIECE SET OF SILVER—In Leatherette Lined Anniversary Box, contents: Six Embossed Solid Handle Dinner Knives, Six Embossed Flat Handle Dinner Forks, Six Tea Spoons, Six Table Spoons, One Butter Knife and One Sugar Shell.

	Per set
029274—Old Colony	31.16
029323—Anniversary	31.16
029326—Ambassador	31.16
029413—Heraldic	31.16
029484—Cromwell	31.16

Same As Above But With Hollow Handle Dinner Knives Instead of Embossed Solid Handle Dinner Knives.

	Per set
029275—Old Colony	39.16
029324—Anniversary	39.16
029369—Ambassador	39.16
029414—Heraldic	39.16
029485—Cromwell	39.16

AMBASSADOR PATTERN ICED TEA SPOONS.

	Per dz.
029240—Old Colony	14.20
029288—Anniversary	14.20
029334—Ambassador	14.20
029379—Heraldic	14.20
029424—Cromwell	14.20

HERALDIC PATTERN JELLY KNIFE—1 in lined box.

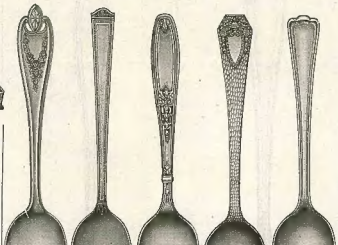
	Each
029281—Old Colony	2.00
029330—Ambassador	2.00
029376—Heraldic	2.00
029286—Anniversary	2.00

OLD COLONY PATTERN FRUIT KNIVES —6 in lined box.

	Per dz.
029245—Old Colony	16.20
029293—Anniversary	16.20
029337—Ambassador	16.20
029383—Heraldic	16.20
029427—Cromwell	16.20

HERALDIC PATTERN COFFEE SPOONS. —6 in lined box.

	Per dz.
029245—Old Colony	8.80
029293—Anniversary	8.80
029338—Ambassador	8.80
029383—Heraldic	8.80
029426—Cromwell	8.80



Old Colony	Anniversary	Ambassador	Heraldic	Cromwell	Per dz.
029232	029277	029326	029371	029416—TEA SPOONS	8.80
029233	029278	029327	029372	029417—DESSERT SPOONS	17.00
029234	029279	029328	029373	029418—TABLE SPOONS	17.60
029235	029280	029329	029374	029419—MED. FORK—Flat Handle	17.60
029236	029281	029330	029375	029420—DESSERT FORK—Flat Handle	17.00
029237	029282	029331	029376	029421—MED. KNIVES—Flat Handle	11.00
029238	029283	029332	029377	029422—MED. KNIVES—Hollow Handle	27.50
029239	029284	029333	029378	029423—MED. FORKS—Hollow Handle	27.50

LEATHERETTE HONEYMOON CHEST, BLUE SILK VELVET LINING, 57-PIECE HONEYMOON CHEST. CONTENTS: 6 H. H. Dinner Knives, 6 Flat Handle Dinner Forks, 12 Tea Spoons, 6 Dessert Spoons, 6 Butter Spreaders, 6 Individual Salad Forks, 1 Sugar Shell, 1 Butter Knife, 1 Cream Ladle, 1 Gravy Ladle, 1 Berry Spoon, 1 Cold Meat Fork, 1 Pickle Fork, 1 Tomato Server, 1 Sugar Tongs, 1 Olive Spoon, 1 Jelly Knife, 1 H. H. Pie or Ice Cream Server, 1 H. H. Cheese Server, 1 H. H. Bird or Steak Knife, and 1 H. H. Bird or Steak Fork.

	Per set
029276—Old Colony	129.75
029325—Anniversary	129.75
029370—Ambassador	129.75
029415—Heraldic	129.75
029480—Cromwell	129.75

26-PIECE SET OF SILVER—In Wood Chest with Drawer. Contents: 6 Tea Spoons, 6 Table Spoons, 1 Sugar Shell, 6 Medium Knives, 6 Flat Handle Medium Forks, 1 Butter Knife.

	Per set
029273—Old Colony	34.56
029321—Anniversary	34.56
029367—Ambassador	34.56
029412—Heraldic	34.56
029457—Cromwell	34.56

HERALDIC PATTERN CUCUMBER OR TOMATO SERVER.

	Each
029248—Old Colony	4.00
029333—Anniversary	4.00
029342—Ambassador	4.00
029387—Heraldic	4.00
029432—Cromwell	4.00

HERALDIC PATTERN BABY SPOON AND FORK SET.

	Per set
029245—Old Colony	2.40
029335—Ambassador	2.40
029384—Heraldic	2.40
029428—Cromwell	2.40
029290—Anniversary	2.40

OLD COLONY PATTERN MEAT CARVING SET—Nickel Silver, Hollow Handles, Steel Blade.

	Per set
029246—Old Colony	16.80
029291—Anniversary	16.80
029336—Ambassador	16.80
029385—Heraldic	16.80
029430—Cromwell	16.80

AMBASSADOR PATTERN, 3-PIECE STEAK SET—Nickel Silver, Hollow Handles.

	Per set
029249—Old Colony	14.00
029294—Anniversary	14.00
029343—Ambassador	14.00
029388—Heraldic	14.00
029433—Cromwell	14.00

AMBASSADOR PATTERN HOLLOW HANDLE BREAD KNIFE.

	Each
029247—Old Colony	8.00
029292—Anniversary	8.00
029341—Ambassador	8.00
029386—Heraldic	8.00
029431—Cromwell	8.00

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

Hohner Assortment

Per asst.

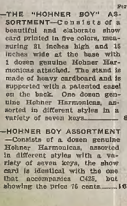
C410—HOHNER ASSORTMENT DISPLAY—In a double tier folding display printed in 4 colors, picturing two boys playing Hohner Harmonicas. Contains 1 dozen assorted as follows: 343, 6031, 132. All keys to retail at 50c.. **6.00**

Hohner Assortment

Each

C1—HOHNER ASSORTMENT—Consists of 12 Genuine Hohner Harmonicas in 3 different styles. Assorted keys to retail at 67c. Packed in handsome flat display carton **8.32**

"Hohner Boy" Assortment



Per asst.

C425—THE "HOHNER BOY" ASSORTMENT—Consists of a beautiful and elaborate show card printed in five colors, measuring 31 inches high and 15 inches wide at the base with 1 dozen genuine Hohner Harmonicas attached. The stand is made of heavy cardboard and is supported with a patented easel on the back. One dozen genuine Hohner Harmonicas, assorted in different styles in a variety of seven keys..... **8.82**

C460—HOHNER BOY ASSORTMENT—Consists of a dozen genuine Hohner Harmonicas, assorted in different styles with a variety of seven keys, the show card is identical with the one that accompanies C425, but showing the price 75 cents **10.66**

Hohner Assortment

Per asst.

C200—JOLLY PALS HOHNER HARMONICA ASSORTMENT—A beautiful show card printed in four colors picturing 6 jolly American boys in action with Hohner Harmonicas. The display is made up of heavy cardboard in a three-panel design and measures 15 inches in height and 15 inches in width. The assortment consists of 12 different style combine Hohner Harmonicas, all good sellers, in various keys, retailing at from 50c to $2.50 each, making a total retail value of $15.50..... **3.50**

Hohner Assortment

Per stand and asst.

C600—HOHNER'S REVOLVING DISPLAY HARMONICA STAND—Finished in dark mahogany, highly polished. On a spring movement caster with sufficient strength to revolve 15½ boys. Height 35 inches, 19½ inches wide, foot **22.26**

You Receive

13	assorted Harmonicas, retail	.50
4	assorted Harmonicas, retail	.60
4	assorted Harmonicas, retail	.75
8	assorted Harmonicas, retail	1.00
2	assorted Harmonicas, retail	1.50
4	assorted Harmonicas, retail	2.00
2	assorted Harmonicas, retail	2.50

Hohner's Display Assortment

Per asst.

C400—HOHNER'S COLLAPSIBLE DISPLAY CABINET—Consists of 2 trays. Cabinet elaborately finished in rich dark mahogany, highly polished. Attractive gold lettering on the top handle. Contains specially selected assortment of 36 pieces..... **38.66**

You Receive

14	pieces, retail at	.50
6	pieces, retail at	.60
8	pieces, retail at	.75
10	pieces, retail at	1.00

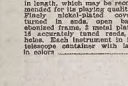
Pohl Harmonicas

Per doz.

C165—A good-looking toy Harmonica, including hook, measuring 4 inches in length. Finely nickel-plated covers with 10 reeds, 20 holes, extension ends, 8 reeds, 10 holes, colored frame. Each instrument in neat box with label in colors ..... **.80**

Per doz.

C166—A Harmonica of very attractive appearance that may be used for professional purposes. Measures 6 inches in length. Finely nickel-plated covers, turned in ends, quet back, 2 metal plates. 12 accurately tuned reeds, 24 holes, chorded frame. Each instrument in fine telescope container with label in colors **1.64**



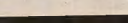
Per doz.

C167—A very handsome large sized Harmonica measuring 8 inches in length, which may be recommended for its playing qualities. Finely nickel-plated covers, turned in end-caps, quet back, chorded frame, 2 metal plates. 16 accurately tuned reeds, 32 holes. Each instrument in fine telescope container with label in colors **2.60**

Hotz Harmonicas

Per doz.

C90—THE "BLUE RIBBON" HARMONICA—This instrument is produced by the well known Fr. Hotz factory and is guaranteed perfect in tone, every dozen being of uniform quality. It has 10 single holes, 20 reeds, highly polished silver plated covers, fine tempered steel plates. Furnished in a telescope box, assorted keys..... **3.36**



Per doz.

C91—"THE SPORT" HARMONICA—The reeds in this instrument are all possessed of very responsive quality and warranted perfect in tune. It will serve the purpose of the most critical player. It has 10 single holes, 20 reeds, highly polished nickel-plated covers, brassed plates. Furnished in an attractive hinged pasteboard box, assorted keys **3.74**

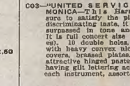
HOTZ HARMONICAS—Continued

Per doz.

C92—THE "AMERICAN ACE" HOTZ HARMONICA—A very popular name and a mighty fine instrument. It is perfect in tone and construction. 10 single holes, 20 reels with heavy covers finely nickel-plated, brassed plates. Furnished in a neat box, packed in dozenlots whenever box having fancy silver lettering, assorted keys **3.92**

Per doz.

C94—"EXCELSIOR" HOTZ HARMONICA—A finely constructed Harmonica having 10 double holes, 20 accurately tuned reeds. Frame is mahogany finish, highly nickel-plated covers, turned in ends. Really exceptional value. Contained in telescope box with label, assorted keys **3.92**



Per doz.

C93—"UNITED SERVICE" HARMONICA—This Harmonica is sure to satisfy any person with discriminating taste, it being unsurpassed in tone and quality. It is full concert size (4½ inches), has 10 single holes, 20 reeds with heavy corner nickel-plated covers, brassed plates. A very attractive hinged pasteboard box having gilt lettering accompanies each instrument, assorted keys.. **7.84**

Per doz.

C921—"PIONEER"—Manufactured by Fr. Hotz. A heavy and durably constructed Harmonica. Curved ends, 10 single holes, 20 reeds, extra heavy corner nickel-plated covers. Packed in an attractive box with gold lettering, assorted keys **4.16**

Hotz Assortment

Each

C918—"HAPPY DAYS" ASSORTMENT—In this offer, the 10-hole Harmonica is featured. The display is attractive, consisting of a display, lithographed in four colors, that has real selling merit. It contains 12 Harmonicas (Nos. 67 and 87) each having 10 single holes, 20 reeds, nickel-plated covers, brassed plates, the assorted C&K. is of first-class quality. At the price offered, this assortment has no equal **3.44**

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

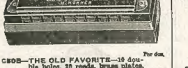
Harmonicas

A LARGE SELECTION OF IMPORTED HARMONICAS

C24B—**THE OLD STANDBY**—10 single holes, 10 reeds, brass plates, nickel covers, in neat hinged box, assorted keys..... 7.84 Per doz.

C30B—**THE OLD FAVORITE**—10 double holes, 20 reeds, brass plates, nickel covers, in fine boxes with hinged cover, assorted keys..... 7.84 Per doz.

C132—**HOHNER BAND**—Finely covered nickel-plated cover with rounded mouthpiece, which is exceptionally agreeable to the player, brass plates, 20 accurately tuned reeds and frame of mahogany finish. Assorted keys 2.24 Per doz.



C183—**"NEW ECHO"**—Genuine Hohner Harmonica having 16 double holes, 32 reeds, mounted on brass plates, and of octave tremolo tuning. Nickel-plated covers with artistic designing, turned in ends. Measures 4½ inches in length and is packed in an exceptionally strong telescope box adorned with silver lettering 2.24 Per doz.

C189—**THE MARINE BAND**—10 single holes, 20 reeds, brass plates, nickel covers, in neat hinged box, finely nickel plated, in fine hinged box, assorted keys ..... 3.92 Per doz.

C80S/32—**"ECHO"**—Genuine Hohner Harmonica. A very fine, tremolo instrument having 16 double holes, 32 reeds, finely nickel plated covers, turned in ends. Packed in fancy hinged box with appropriate design in six different colors ..... 11.76 Per doz.

C8—**"CHIMES"**—Genuine Hohner Harmonica. Medium size double-sided tremolo instrument in two different keys, having 48 perforated reeds, brass plates, finely nickel-plated covers in new design, turned in ends. Each Harmonica accompanied by durable and handsome hinged box in colors..... 14.70 Per doz.

C1896½—**UP TO DATE**—10 double holes, 20 reeds, brass covers, convex shape, nickel plated, concert size, in fine silk lined leatherette case, with lock and gold lettering; assorted keys ..... 14.70 Per doz.

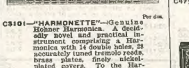
C254—**"SPORTSMAN"**—Genuine Hohner Harmonica, 16 double holes, 32 reeds, brass plates, heavy nickel-plated covers, tremolo tune, extension ends. A very attractive instrument measuring 6¼ inches in length. Accompanied by a fine telescope cover box with cover printed in artistic design of many colors..... 15.68 Per doz.

C3CND—**FULL CONCERT**—Hohner Harmonica. The recognized standard the world over. Ten double holes, 40 reeds, brass plates. Covers finely nickel-plated with turned in ends, packed in a fine hinged box, assorted keys..... 15.68 Per doz.

C1896/40—**CONCERT**—The Marine Band, 10 double holes, 40 reeds, brass plates, heavy convex brass covers, finely nickel plated full concert, in neat red hinged box with embossed lettering. Assorted keys..... 19.60 Per doz.

C80S/64—**"ECHO"** — Genuine Hohner Harmonica. Large size double-sided tremolo instrument in two different keys, having 64 perfectly tuned reeds. Genuine brass plates, finely nickel-plated covers with turned in ends. Packed in a very attractive hinged box with pictorial design in many colors ..... 19.60 Per doz.

C310I—**"HARMONETTE"**—Genuine Hohner Harmonica. A decidedly novel and practical instrument, comprising two harmonica with 14 double holes, 28 reeds, mounted on tremolo reeds, brass plates, finely nickel-plated covers. To the Harmonica is attached a harp shaped resonator or sound box of thoroughly seasoned wood, bearing gold impressions. Reinforced with metal bands. Length of Harmonica 4¾. Length of box 4¾. Packed in a durable telescope container with silver lettering ..... 23.52 Per doz.



C3810—**ECHOPHONE**—Shape of a cartridge shell, in gun metal or brass, with engraving and lettering, with 30 holes, 30 reeds, brass plates. Each in box ..... 23.52 Per doz.

C483—**"THE GOLIATH"** — Genuine Hohner Harmonica. This is a very beautiful large size tremolo instrument, measuring 7½ inches in length, 24 double holes, 48 reeds, brass plates. Heavy convex covers nickel-plated with open back. An ideal harmonica for concert playing as it has an exceptionally high range. Each instrument packed in a heavy wooden case covered in imitation leather shin, assorted keys. 29.40 Per doz.

C482—**GENUINE HOHNER HARMONICA**—7¾ inches long. 20 double holes, 40 reeds, brass plates, fancy nickel-plated cover, mouthpiece with pearl decorations, packed in beautifully decorated case ..... 19.60 Per doz.

C46½—**"UP TO DATE"**—Genuine Hohner Harmonica. An elaborate double-sided instrument representing the very finest in harmonica construction, 32 double holes, 64 reeds, brass plates, nickel-plated covers. Fancy silver stamped extension ends with frame in mahogany finish. Two harmonicas in one, in different keys. A very handsome instrument, attractive in appearing and looks accompanies each instrument ..... 2.94 Each

C47½—**"UP TO DATE"**—Genuine Hohner Harmonica. This harmonica is made up the same as except that it has 40 double holes and 80 reeds. Length 9½ inches ..... 3.44 Each

C48½—**"UP TO DATE"**—Genuine Hohner Harmonica. This harmonica is made up the same as the above except that it has 48 double holes and 96 reeds. Length 9 inches ..... 3.92 Each

Blow Accordion

C14B—**"ORGANETTE"** or **BLOW ACCORDION**—A product of the M. Hohner Harmonica Company and attractive musical instrument which, when played, affords most pleasing music and wholesome entertainment. The body of the "Organette" is constructed of a durable composition material, highly polished in imitation ebony. It has 10 keys, 2 bass keys, all finely nickel-plated, Metal mouthpiece and bell. Length 12 inches. Each instrument packed in neat and durable carton ..... 2.60 Each

Hohner Saxophone

C22B—**SAXOPHONE**—The Hohner Sax is constructed throughout with heavy brass highly burnished. It has 16 treble keys with two sets of low and draw heads and one bass key. Length of instrument from saxophone bell and goose-neck mouth piece. Measures 17½ inches in length ..... 6.60 Each

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

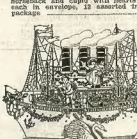
Valentines

VA1127

VA1127—PINK FORGET-ME-NOT DESIGNS—Richly decorated and illuminated sentiments, children's figures, and appropriate inscriptions; each in envelope, 12 assorted in package 2.80

VA1128—FANCY CUT-OUT SHAPES —When opened shapes stand on horseback and cupid with hearts; each in envelope, 12 assorted in package 2.88

Per doz.



VA1129—LARGE PULLING CARD—Showing a big comic boy, trimmed with gold, and floral designs; each in box 1.20

Each

VA1130—BEAUTIFUL NOVELTY—In the shape of gondola, highly ornamented with gilt, set over ground covered and other pretty ornaments; each in box 1.14

Each

VA1131—ELABORATE PULLING CARD—When opened, showing an oval of floral designs, with wagon and great tissue paper body; each in box 1.14

Each

VA1134—TISSUE NOVELTIES—Showing a honeycomb tissue body with attachments of houses, boats, etc., with favorite figures; each in envelope, 32 assorted in box 6.00

Per 100

VA1132—FANCY SHAPED NOVELTY—With a gateway with snow effect, transparent palettes with doves, cupids, and other decorations; each in box ..... .80

Each

VA1133—LARGE PULLING CARDS —With tissue cupids with columns of forget-me-nots, and branches of flowers; each in box ..... .80

Each

VA1136—TISSUE NOVELTIES—With fancy shaped honeycomb tissue paper body, when opened showing a great variety of novelties, as airships, doves, etc.; each in envelope, 35 assorted in box 6.00

Per 100

VA1135—FANCY SHAPED NOVELTY—Showing a large cupid with floral decorations, and a large heart with lace edge, and a motto; each in envelope, 12 assorted in box 1.20

Each

VA1137—LARGE PULLING CARDS—Showing a large cupid with floral decorations, and a large heart with lace edge, and a motto; each in box 1.20

Each

Pull Valentines with Envelopes

VA1201-04 VA1205-08

Per 100

VA1202—THREE PART PULLER—With cupids on hearts, doves and forget-me-nots. Assortment of designs with envelopes. Packed 125 in box. Average size 3½x5 ..... 4.20

VA1204—ASSORTMENT OF THREE PART PULLERS—Set designs with cupids holding hearts. Attractive colors. Lithographed over lattice background. Packed 100 in box with envelopes. Average size 3¾x5¼ 5.00

VA1205—ASSORTMENT OF THREE PART PULLERS—Dovet holding basket of flowers, large comic heart with cupids and forget-me-not embossed background tinted pink. Valentine mottoes. Three designs each in envelope, packed 50 in a box. Average size 4¼x6¾ 3.34

VA1206—ASSORTMENT OF THREE PART PULLERS—Sets with flowers or doves on embossed flower hearts, cupids holding bow and arrow with heart sunk-out and honeycomb tissue forget-me-not embossed background tinted pink. Valentine mottoes. Each in an envelope, packed 50 in a box. Average size 4¼x6¾ 6.74

VA1207-09

Per 100

VA1207—ASSORTMENT OF FOUR PART PULLERS — Eight designs. Large cut-out cupids and hearts with bands of flowers or bands of forget-me-nots, and honeycomb tissue rose. Background of embossed colored roses with gilded lattice Valentine mottoes. Each in envelope, packed 25 in box. Average size 4¼x6¾ Per 100 ..... 4.20

VA1208—ASSORTMENT OF FOUR PART PULLERS—Silk effects. Children playing, medieval heads, cupids, and cut-out cupids with hearts. Flowers and large doves. Red honeycomb tissue rose. Valentine mottoes. Embossed colored background with roses, doves and hearts. Each in envelope, packed 25 in box. Average size 4½x7 ..... 9.00

VA1200—ASSORTMENT OF FOUR PART PULLERS—Six designs. Large cupids and hearts with lattice work background tinted blue or pink. Bottom part of puller colored and embossed with doves and flowers. Valentine mottoes. Each in envelope, packed 25 in box. Average size 5x8 ..... 11.28

VA1209

VA1209—AN EXCEPTIONAL ASSORTMENT OF CUTOUT MOVABLE NOVELTIES —Showing juvenile designs in different characteristic poses, highly colored, with appropriate inscriptions; each in envelope, 50 assorted in box 3.76

VA1200—MECHANICAL VALENTINES—Twelve designs representing pretty girl with flowers, messenger cupid, cat watching mouse coming out of hat, girl mailing letter, etc. Effectively lithographed on cardboard with easel back. Valentine mottoes. Each in envelope, packed 50 in a box. Average size 5¼x7¾ 4.20

VA1201—MECHANICAL VALENTINES—Six designs, showing boy musician taking rabbit out of hat, girl and boy on log, boy with large mandolin base horn, etc. Printed on substantial board with easel back. Valentine mottoes. Each in envelope, packed 25 in box. Average size 8x8 ..... 7.60

Per 100

VA1200

VA1201

Mechanical Valentines

VA1123-11

Per 100

VA1210—ASSORTMENT OF LARGE FOUR AND FIVE PART PULLERS—Six designs with embossed lattice work arches with children and birds. Honeycomb tissue rose. Beautiful embossed scenic background. Bottom part of puller colored and embossed with flowers and doves. Valentine mottoes. Packed each in envelope, 25 in box. Average size 5x8 ..... 13.50

VA1211—LARGE FOUR AND FIVE PART PULLERS—In six designs with embossed lattice work arches and pillars. Embossed flowers, birds and children. Honeycomb tissue rose. Very beautiful embossed scenic landscape background. Bottom part of puller colored and embossed with flowers and doves. Appropriate mottoes. Each in envelope, packed 25 in box. Average size 5x8 ..... 15.00

VA1212

Per 100

VA1212—ASSORTMENT OF MECHANICAL PULLERS—Three designs. Flower girl with basket of flowers, flowers are being drawn by horse birds. Silver wheeled chariot of embossed flowers being drawn by doves with girl holding reins. Embossed white and gold satin filled with forget-me-nots and honeycomb tissue roses. Valentine mottoes embossed with roses and flowers. Each in envelope, packed 25 in box. Average size 5x7 ..... 27.00

VA1213

VA1213—ASSORTMENT OF NOVELTY—Made up of six designs, consisting of children, flowers, butterflies, windmills, etc. Printed on heavy cardboard with easel back. Appropriate mottoes. Each in a novel box packed 25 in a box. Average size 5x7. Per 100 ..... 10.50

VA1214-26

Per 100

VA1214—RED NOVELTY PULLER HEART — Which when opened shows pastoral scene in colors and flowers with tissue honeycomb roses. Valentine motto on cover. Assortment of 6 designs. Each in envelope, packed 50 in a box. Average size 3¾x5. Per 100 ..... 3.20

VA1215—RED NOVELTY PULLER HEART—Made up of six designs with gold paper lace in panoramic effect. Made up in silver biscuits, floral effects, etc. Also forget-me-nots, roses and forget-me-not bells. Each in a box of designs packed 25 in box. Average size 4x5 ..... 9.00

VA1216—RED NOVELTY PULLER HEART—Which opened shows a panoramic effect of baskets, children, forget-me-not bunch and tissue honeycomb rose. Valentine motto on cover. Each in envelope. Six designs, packed 50 in a box. Average size 3¾x5 ..... 3.20

VA1217—RED NOVELTY PULLER HEART—Which opened shows a panoramic effect of baskets, children, forget-me-not bunch and tissue honeycomb rose. Valentine motto on cover. Each in envelope. Six designs, packed 50 in a box. Average size 3¾x5 ..... 4.20

VA1218—RED NOVELTY PULLER HEART—Made up of six designs with gold paper lace in panoramic effect. Made up in silver biscuits, floral effects, etc. Also forget-me-nots, roses and forget-me-not bells. Each in a box of designs packed 25 in box. Average size 4x5 ..... 9.00

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

Valentines

Lace Valentines (Without Envelopes)

VA1009

VA1010

Per gro.

VA1009—HEART SHAPE FOLDERS—Six design with pretty pictures and verses inside. Size, 3x3; one gross assorted in package..... 1.20

VA1010—OBLONG FOLDERS OF CHILDREN—Six designs in color in various poses, verses inside. Size, 2¾x4¾; one gross assorted in package..... 1.20

VA1012—SENTIMENTAL FIGURES OF CHILDREN—Arrowy shaped cards, circled with flowers and sentiments inside. Size, 4¼x6; one gross assorted in package..... 1.85

VA1011—CHILDREN'S FIGURE IN COLORS—Fourteen designs, heart and shield shapes, verses inside. Size, 2¾x3¾; one gross assorted in package..... 1.50

Red Hearts, Plain

Per 100 envelopes

VA1300—PLAIN RED HEART—Used for decorative purposes in the envelope, 25 envelopes in box..... 4.80

VA1301—LARGE SIZE RED HEART—Used for ornamental purposes; 5 in envelope, 25 envelopes in box.... 6.50

Pull Valentines (With Envelopes)

VA1111

VA1112

Per doz.

VA1111—PULLING CARD—With forget-me-not background with selection of cupids and hearts, interspersed with flowers and sentiments; each in envelope, 12 assorted in package..... .60

VA1112—PULLING CARDS — With lithographed background, with combination of flower pots, stoves, etc., with tissue roses; each in envelope, 12 in package..... .60

VA1113

VA1114

Per doz.

VA1113—PULLING CARDS — With forget-me-not backgrounds, with engines, automobiles, boats and juvenile designs; each in envelope, 12 assorted in package..... .70

VA1114—PULLING CARDS — With heart shapes, cupids and tissue roses and appropriate sentiments; each in envelope, 12 assorted in package..... .70

VA1115

Per doz.

VA1115—SELECTION OF PULLING CARDS—In various shapes, showing vases, baskets of flowers and other fancy ornamentations in the background, juvenile figures lithographed; each in envelope, 12 assorted in package..... .70

Novelty Valentines

VA1100

VA1101

VA1104

VA1102

Per 100

VA1100—SMALL CUTOUTS—With various juvenile designs, highly embossed; 100 assorted in a box..... .74

VA1101—CUTOUT WREATH—With forget-me-nots and roses, with various juvenile designs; 100 assorted in a box..... 1.04

VA1102—EMBOSSED HEART—With comic figures; 100 assorted in a box..... 1.10

VA1103—HEARTS—Highly embossed, with juvenile designs; 100 assorted in a box..... 1.10

Per gro.

VA1104—NOVELTY STANDUP—Highly embossed, beautiful designs of juveniles, cupids, etc.; one gross assorted in 24 dozen..... 2.10

VA1105—ORIGINAL NOVELTY—A magic charge from a heart to a juvenile design; one gross assorted in a box.. 2.16

VA1106—JUVENILE DESIGNS—In various poses with tissue paper, honeycomb body; one gross assorted in a box 3.75

VA1105

VA1106

Per 100

VA1107—CUTOUTS—Juvenile figures, the girls' dresses draped with crepe paper, in various tints, each with the name of the subject printed on back; cuts in envelope, 25 in box..... 9.00

VA1108—NOVELTY MONKEY—With tissue paper body, holding in its paw a heart, with the inscription on the color, "Don't Monkey With My Heart"; each in envelope, 25 in box..... 9.00

VA1108

VA1102

VA1107

Pull Valentines—With Envelopes

VA1116

VA1117

Per doz.

VA1116—PULLING CARDS — With forget-me-not background and various juvenile designs; each in envelope, 12 assorted in package..... .80

VA1117—NOVELTY PULLS — In various shapes, with pink flowers and tissue roses, cupids and juvenile figures; each in envelope, 12 assorted in package..... .90

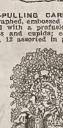
VA1120

Per doz.

VA1120—PULLING CARDS — With lithographed, embossed floral background with a profusion of floral designs and cupids; each in envelope, 12 assorted in package..... 1.08

VA1118

VA1118—PULLING CARDS — With fancy shaped blue forget-me-not backgrounds, highly embossed with gold trimmings and floral designs, with cupids and juvenile figures; each in envelope, 12 assorted in package..... .90


VA1121

VA1121—FANCY-SHAPED PULLING CARDS—With cupids, roses and tissue ornamentations; each in envelope, 12 assorted in package..... 1.60

VA1119

VA1119—PULLING CARDS — With blue embossed background interlaced with cupids and flowers and signs; each in envelope, 12 assorted in package..... 1.00

VA1122

VA1122—PULLING CARDS — With lithographed, embossed background, floral baskets and vases, combined with juvenile figures and tissue roses; each in envelope, 12 assorted in package..... 1.60

Pull Valentines (Without Envelopes)

VA1108

VA1109

Per gro.

VA1108—PULLING CARDS—Assorted with various juvenile designs; one gross assorted in a box..... 2.00

VA1109—SELECTION OF PULLING CARDS—Highly colored and embossed, with children's figures and floral decorations; one gross in a box..... 3.74

VA1202

VA1202—THREE PART PULLER—With mottoes. Cutout heart background with flowers, cupids and doves. 12 designs. Size, 12x14. Packed 1 gross in box..... 1.74

Pull Valentines (With Envelopes)

VA1123

Per doz.

VA1123—OBLONG PULLING CARD—With a house in the background, and cupids and other floral ornaments; each in envelope, 12 assorted in package..... 2.00

VA1124

VA1124—LARGE PULLING CARD—With a background of roses, and abundance of flowers and juvenile figures; each in envelope, 12 assorted in package..... 2.00

VA1128

VA1128—PULLING CARD NOVELTY—When opened, showing airplane with juvenile figures, and a combination of flower beds in the foreground; assorted designs; each in envelope, 12 assorted in package..... 2.80

VA1126

VA1126—PULLING CARD—Showing horse and wagon in the background, with beds of forget-me-nots and juvenile designs; each in envelope, 12 assorted in package..... 2.80

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

VA1800—VALENTINE CARDS—Per 100
Twelve assorted designs of cupids in combination with floral effects, floral scenes, etc. All with appropriate valentine verses. Printed in offset colors, facsimile of water color. Size 3½x4¾. 50 assorted in box, envelopes to match..... 5.00

VA1799—VALENTINE FOLDERS—
Size 2x4. Twelve designs of hearts and flowers printed in beautiful colors with gold and colored borders. Packed with envelopes to match, 50 assorted in box..... 6.00

VA1801—VALENTINE FOLDERS—
Size 2x4. Assortment consists of ten different Kid subjects printed in bright colors on white linen finish stock with clever captions and sentiments in the inside. Packed with envelopes to match, 50 assorted in box..... 5.00

VA1802—VALENTINE FOLDERS—
Size 2x4. Two comic Kid subjects printed on white linen finish stock in bright colors with snappy captions on the outside and verse inside. Packed 50 assorted in box. 5.00

VA1803—VALENTINE CARDS—Size 3½x4¾. This assortment consists of twelve different designs, hand painted on water and buff and blue stock, with appropriate clever verses. Packed with envelopes to match, 50 assorted to the box 8.00

VA1804—VALENTINE CARDS—Size 3½x4¾. Four designs of hearts, flowers, etc., hand painted on blue and buff finish stock with clever sentiments and colored borders. Packed with envelopes to match, 50 assorted to a box..... 5.00

ARTISTIC

DISTINCTIVE

VA1811—VALENTINE BOOKLETS—Three hand-colored designs, showing pretty poetic scenes, old-fashioned girl and group of cupids. On ripple surface gold-bordered card. Date marked, valentine greeting on cover, verses on insert. Tied with red silk ribbon. Size 5¾x7¾. 36 assorted in box, envelopes to match. 50.00 Per 100

VA1806—VALENTINE CARDS—Six-teen beautiful designs of hearts, birds, flowers, hand painted on white and blue stock with floral, white Friendship frostings, embossed and gold bevel edged. Packed with envelopes to match, 25 to a box..... 10.00 Per 100

VA1802—VALENTINE CARDS—Eight assorted designs. Hand-colored on pink card with dainty pink border. Unusual verses. Size 4x6, 25 assorted in box, envelopes to match..... 10.00 Per 100

VA1803—VALENTINE CARDS—Eight assorted designs of comic valentines, three-fold second sheets, designs, combined with texts especially designed to correspond. Pretty comics, which will not give offense. Hand-colored on white card with red border. Size 4x7, 25 assorted in box, envelopes to match..... 10.00

VA1805—VALENTINE BOOKLETS—Ribbon tied. Size 4½x6¼. Twelve clever designs of hearts entwined, with cupids, flowers, etc., hand painted on white frosted and blue velour stock with colored borders. Ribbon tied inserts with Friendship sentiments. Packed with envelopes to match, 25 assorted to a box..... 10.00

VA1804—VALENTINE BOOKLETS—Seven designs, hand-colored, showing cupids angling for hearts, hearts and flowers, cupid, saints and sinners, etc. Valentine greeting on cover, inserts with verses. Tied with red silk ribbon. Size 3½x4¾, 25 assorted in box, envelopes to match..... 12.00

VA1807—VALENTINE FOLDERS—Size 4x6¼. consisting of four charming designs, hand painted on white and blue stock with floral and sentiments to Mother, Father, Wife and Husband. Fancy flags, gold bordered. Packed with envelopes to match, 25 to a box..... 10.00

VA1501—VALENTINE BOOKLETS—Six assorted designs of cupids, hearts, etc., Hand-colored on pink cardboard with insert to match. Clever greetings on covers, suitable verses on insert. Tied with ribbon. Size 3½x4¾. 25 assorted in box, envelopes to match..... 10.00

VA1805—VALENTINE FOLDERS—Three hand-colored designs. Valentine greetings embossed on outside, verses on inside. Size 3½x4¾. 25 assorted in box, envelopes to match..... 12.00

VA1806—VALENTINE BOOKLETS—Three hand-colored designs. Valentine greetings embossed on cover. One design each for "husband," "father," "father and mother," with text on insert, red silk ribbon. Size 3¾x4¾. 25 assorted in box, envelopes to match 16.00

VA1807—VALENTINE BOOKLETS—Ten hand-colored designs of cupids, pretty girls, birds, etc. A beautiful and delightful assortment of Valentine greetings with inserts with verses. Tied with red silk ribbon. Size 3½x4¾. 25 assorted in box, envelopes to match 16.00 Per 100

VA1808—VALENTINE BOOKLETS—Eight hand-colored designs, showing old-fashioned lads, fine heart scenes, birds with flowers, cornucopia of roses, etc. Valentine greetings on cover. "To Mother," "To My Wife," "To Sister," "To Daughter," appropriate texts on insert, tied with ribbon. Size 4¾x6¼. 25 assorted in box, envelopes to match..... 28.00

VA1809—VALENTINE BOOKLETS—Seven hand-colored designs showing young couple in window, cupids, groups of pretty girls, etc. Quaint old-fashioned valentine greetings on covers, verses on inserts, ribbon tied. Size 5¾x7¾. 25 assorted in box, envelopes to match..... 25.00

VA1810—VALENTINE BOOKLETS—Three handsome designs of hearts, with cupids, flowers, brooks, etc. Valentine greetings on cover, verses on insert, ribbon tied. Size 5¾x7¾. 25 assorted in box, envelopes to match..... 34.00

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

Valentine and Easter Cards

Valentine Post Cards

Per 100

VA1700—VALENTINE POST CARDS—Eight comic designs in bright colors. Packed 100 assorted in a box ..... .90

Per 100

VA1703—VALENTINE POST CARDS—Printed in beautiful bright colors. Eight designs consisting of four children and four flower and bird subjects with clever sentiments. Gold bevel edge. Packed 100 assorted in a box 1.50

VA1701—VALENTINE POST CARDS—Printed in beautiful bright colors. Eight designs consisting of four children and four flower and bird subjects. Packed 100 assorted in a box ..... .90

VA1702—VALENTINE POST CARDS—Eight comic designs printed in bright colors with clever captions. Gold bevel edge. Packed 100 assorted to a box 1.50

Valentine Tallies

TP2341 TP2342

Per 100

TP2340—VALENTINE — Two clever designs showing Dutch boy and girl; one where the boy offers his heart; the other the girl spurning it. Printed in pink and blue. Single cards with backs printed for scoring 2.20

TP2341—VALENTINE — Cupids in song and dance, surrounded by heart. Two designs. Printed in red and blue. Single cards with backs printed for scoring 2.20

TP2342—VALENTINE—Two designs of cupids flying balloons in sea of clubs and cupids delivering bouquet of flowers at door to which is fastened an arm of sunday decorated with roses. Facsimile of water color. With extra back for three scores, auction bridge, 500 and points 3.50

Valentine Place Cards

Per 100

TP2340—VALENTINE — SEATED CUPID READING VALENTINE—with red heart in the top left corner. Facsimile of water color. Cut out design. Easel attached 5.00

TP2341—VALENTINE—A CLEVER CUPID LOOKING SURPRISED AT THE RESULT OF ARCHERY—A bow to one hand and the bent arrows at his feet, with the target, a heart, in corner of card. Cut out design. Facsimile of water color. Easel attached 5.00

TP2342—VALENTINE—A BASHFUL YOUNG MISS—Who hands aside. Facsimile of water color. Cut out design. Easel attached 5.00

Easter Cards, Folders and Booklets

Per 100

EC100—EASTER CARDS—Sixteen assorted designs. Steel die embossed in two colors. All with embossed verses. Size 2¾x4¼. Envelopes to match. 50 assorted to box 4.50

EC101—EASTER CARDS—Twelve assorted designs. All embellished with various spring flowers, including Easter lilies. Printed in offset. Facsimile of water color. All with well selected verses. Size 3¼x4½. Envelopes to match. 50 assorted in box 5.00

EC102—EASTER FOLDERS—Size 3x4. Soft color effects on white linen stock with gold borders. Eight designs. Packed with envelopes to match, 25 in box 5.00

EC103—EASTER FOLDERS—Size 3x4. This assortment consists of ten designs, printed in colors on white stock with colored borders. Envelopes to match, 50 assorted in box 5.00

Per 100

EC104—EASTER FOLDERS—Size 3x4. Twenty designs, printed in bright colors to give water color effect, on white stock with gold borders. Envelopes to match. 50 assorted in box 5.00

EC105—EASTER CARDS—Size 3¼x4¼. Hand painted on blue linen and lavender linen stock with colored borders. Twenty designs. Envelopes to match, 50 in box 5.00

EC220—EASTER CARDS—Six assorted designs. Steel die embossed in pink, blue and green. With excellent texts embossed in black. On white panaled card 3¼x4¼. Dainty and pretty. Envelopes to match, 25 assorted in box 2.00

EC221—EASTER CARDS—Sixteen assorted designs. Steel die embossed in white and buff panaled cards, 3¼x4¼. Verses embossed in black. Envelopes to match, 25 assorted in box 2.00

Per 100

EC225—EASTER BOOKLETS—Ribbon tied, size 2¾x4. Ten designs, hand painted on blue linen finish, white linen finish and white ripple stock with colored borders. Envelopes to match, 25 in box 9.00

EC223—EASTER BOOKLETS—Ribbon tied, size 2¾x4. Ten hand painted designs on lavender linen stock. Packed with envelopes to match, 25 in box 9.00

EC224—EASTER CARDS—Size 4¼x2¾. Four hand painted subjects on pale green stock, paneled and gold bevel edged. Envelopes to match, 25 to a box 2.00

EC225—EASTER FOLDERS — Size 4¼x3¼. Hand painted on white ripple and lavender linen stock. Eight designs. Top flap of folder in fancy shapes with colored borders. Envelopes to match, 25 to a box 9.00

Per 100

EC230—EASTER BOOKLETS—Eight-een assorted designs, hand tinted. On tinted card board, helio, pale green and pink. Texts on covers. Appropriate verses on inserts. Tied with ribbon. Size 3x4. Envelopes to match, 25 assorted in box 10.00

EC231—EASTER CARDS—Six assorted hand-colored designs. On white card stock, with fancy edge cut. With texts and title embossed. Size 2¾x3¾. Envelopes to match, 25 assorted in box 10.00

EC232—EASTER CARDS — Eight hand-colored cards. With white chenot texts. Size 2¾x3¾. White envelopes with slightly deeper tinted border. Envelopes to match, 25 assorted in box 10.00

EC240—EASTER BOOKLETS—Eight assorted hand-colored designs. Embossed greeting on cover. Tinted with suitable verses. Tied with dainty silk ribbon. Size 2¾x4¼. Envelopes to match, 25 assorted in box 12.00

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

Baseball Gloves and Accessories

Goldsmith's Catchers' Mitts

Per doz.
N8823—Boys' size. Strong chrome tanned leather palm and fingers. Khaki back. Well padded. Laced at thumb 18.68

Per doz.
N8824—Good quality black leather throughout. Red cloth binding. Well padded 29.52

Each
N8825—Medium size gloves of white chrome tanned glove leather. Leather front and fingers with red cloth binding. Well padded. Tan leather back. Full laced edge. Laced thumb. Buckle and strap at wrist 2.94

Each
N8826—Good grade chrome tanned leather throuout. Well padded. Laced edge for re-arranging of padding. Laced at thumb. Goldsmith patented wrist protector 3.62

Basemen's Mitts

Per doz.
N8817—A glove for the small boy. leather palm with leather fingers. Khaki back. Leather laced at thumb. Cloth bound edge. Buckle and strap 15.68

Per doz.
N8818—Olive palm and fingers, leather palm, khaki back. Three quarter laced. Buckle and strap 23.52

Each
N8519—Medium size. White chrome tanned palm, front and fingers, back of good quality glove leather. Three-quarter laced edge. Well padded. Buckle and strap at wrist 2.62

Each
N8520—A strong substantial mitt of good quality buff mitten leather throughout. Well padded. Three fitting lace lines. Full welted. Three quarter laced edge. Goldsmith patented wrist protector 3.72

Each
N8521—An especially fine medium priced mitt made with genuine buff horsehide palm and fingers. Good quality olive leather back. Three quarter laced edge. Correctly padded throuout. Goldsmith patented buckle protector 5.08

Each
N8522—A special model representing an unusual value made of the highest quality genuine tan horsehide throuout. High grade kid lining. The felt pad is arranged to produce a ready-formed ball holding pocket. Three quarter laced edge. Professional panel back. Patented wrist protector. A well balanced mitt 8.92

Goldsmith's Catchers' Mitts

Each
N8527—Palm and fingers made of good quality buff mitten leather. Double stitched. Well padded with full laced edge. Goldsmith patented wrist protector 4.30

Each
N8528—An attractive well built mitt. Black cowhide back and fingers, heavy tan leather palm and lining. Well padded to form a natural ball pocket. Full laced edge with tan leather lacing. Goldsmith patented wrist protector 5.08

Goldsmith's Catchers' Mitts

Each
N8529—An exceptional mitt. Genuine russet cowhide front and fingers, back and binding of heavy tan leather. Well padded with full laced edge. Double stitched throuout. Patented thumb lacing for adjusting ball pocket 6.14

Each
N8530—Finger-grip model. A modeled mitt of selected tan cowhide. Double stitched throuout. Laced edge with rawhide lacing for adjusting padding. Patented wrist protector. An exceptionally fine model 7.04

Each
N8531—Scoop model of excellent wearing qualities. Choice heavy russet cowhide, double stitched and well padded. Full laced edge. Deep, roomy, self-breaking, ready-to-use pocket. Goldsmith patented wrist protector. A high-grade, medium priced mitt 10.28

Each
N8532—Made of genuine selected russet cowhide. Thin edge scoop model. Light in weight and fits the hand snugly. Asbestos felt pad. Fully laced edge. Goldsmith patented wrist protector prevents chafing and prevents glove from turning 12.44

BASE BALL ACCESSORIES

Catchers' Body Protectors

Each
N8610—Heavy canvas cross stitched and firmly padded and stuffed. Leather bound back and side shoulder straps. Will give excellent protection 6.50

N8611—Professional model. Made of strong khaki, cross stitched firmly padded and stuffed to conform to all the various shoulders and fits the body perfectly. The elastic adjustable back and shoulder straps 9.34

Catchers' Leg Guards

N8613—LEG GUARD — Heavy moulded leather knee cap. Felt lined. Leg piece made of light but strong leather. Gray felt padded, covered with heavy white canvas. Per pair 9.34

Goldsmith Baseball Uniforms

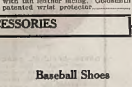
Worn by Major and Minor League Teams throughout the country. Made of the highest grades of baseball flannel, pre-shrunk and cut and sewn to stand tailored to individual measurements.

See our special uniform catalog for actual samples of material, grades and prices, sent free upon request.

Baseball Bases

Per set of 3
N1575—BASE BALL BASES—Heavy white canvas, firmly filled, pads top. Complete with strap and spikes 14.00

Baseball Shoes



Made of Glazed Cost Skin and has a Carbon Steel Plate inserted between the soles, and the spikes are riveted through the plate, making it impossible for them to come loose or push through the sole.

	Each
N1750—Size 6½	6.50
N1751—Size 7	6.50
N1752—Size 7½	6.50
N1753—Size 8	6.50
N1754—Size 8½	6.50

Gymnasium Shoes

Per pair
GYMNASIUM SHOE—Leather insole and leather sox lining, upper made of grain horse hide leather. Sole is made of chrome tan cowhide. Stain star worn by the wearer.

O1736—CHILDS GYMNASIUM SHOE Sizes 11, 12, 13, 1, 2	3.00
O1737—LADIES' GYMNASIUM SHOE Sizes 3½, 4, 4½, 5	3.00
O1738—MENS GYMNASIUM SHOE— Sizes 5½, 6, 6½, 7, 7½, 8, 8½, 9½, 10, 10½, 11	3.00

Uniform Rolls

Each
N1855—UNIFORM ROLL—Tan colored khaki duck; leather handle and trimmings; shoe compartment 5.50

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

Grippit
Sticks it

GRIPPIT—Is more than a paste or mucilage. Mounts photographs and paper without wrinkling. Also sticks cloth, leather, rubber, etc.

Per doz.
1 dozen tubes in box 3.92

Tip-Tap-Top Mucil-Glue

Per doz.
C12—TIP-TAP-TOP MUCIL-GLUE—1½ oz., superior quality mucilage put up 1 dozen to a box 1.46

KWIKSTIK

Per doz.
*C15—Patented Top prevents mucilage from drying. Sanitary bottle. Always ready for instant use. Best quality gum arabic, ½ oz. Packed 2 dozen in attractive display cabinet 1.60

Knox-Tarnish
A New Cleaning Paste

Per doz.
C25—KNOX TARNISH—A white antiseptic paste; cleans, polishes and preserves aluminum, nickel, brass, silver, gold, glass, and chinaware, imparts a fine lustre. Removes wear stains, finger marks, etc., from white enamelled and reed furniture..... 3.96

Le Page's

C15 C27 Per doz.
*C26—1 oz. glass bottles, with metal spreader, 1 dozen in box..... 3.12
*C27—Self-spreading, collapsible tubes, small size, 1 dozen in box..... 3.12

C28

	Each	Per doz.
C30—Gills, in tin cans, with adjustable brush	.44	4.70
C31—Half pints, in patent tin cans	.72	7.84
C32—Pints, in patent tin cans	1.18	13.32
C33—Quarts, in patent tin cans	2.16	23.52
C35—Gallons, in patent tin cans	8.46	70.56

Sanford's Liquid Glue

C43B C43S
1 ounce.

Dozen in Display Box. Always ready for use. Mends everything, wood, glass, china, crockery, etc.

Per doz.
*C42S—Tubes 2.04
*C42O—Bottles 2.04

IT is to the advantage of Dealers to order from McClurg's as we carry complete lines of merchandise in everything they are liable to need. This saves both the making of many orders and the delay incident to re-ordering.

Order from McClurg's—NOW.

Mucilage Bottles

C22-3

Reservoir fine flint glass, enameled caps, with large brushes.

Per doz.
C22—5 oz., ½ dozen in package..... 6.18
C23—10 oz., ½ dozen in package..... 4.80

Prevents all evaporation, contents never dry up or thicken, brush never bakes fast to the bottle.

Per doz.
C33—Glass, finely nickel plated top, with brush and blade, removable cap; capacity 2 ounces..... 8.64

MUCILAGE BOTTLES -- SPONGE CUPS -- MOISTENERS

Sponge Cups

Per doz.
C18—FOUNTAIN SPONGE CUP—Does not require filling oftener than once a month. Perfects automatic in its action. Moisture is distributed uniformly. Cup measures 2 inches in diameter; each in box 7.92

C13

Per doz.
C13—Twist design, diameter 3 inches..... 1.74

Per doz.
C10—Heavy glass, 3-inch, plain bankers 1.70

Moisteners

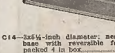
Per doz.
C1—Fine flint glass with felt, will not drip, used for sealing envelopes, stamps, etc.; length, 4⅛ inches..... 2.74

C9

Per doz.
C8—PRESS GLASS—Cup, with rubber sponge, size of cup 2x1⅛ inches..... 4.36
C18—RUBBER SPONGE..... 1.40

Per doz.
C6—DIXIE MOISTENER—Glass with sponge and German silver top. Will not rust; 2¾-inch base; ½ dozen in box..... 8.24

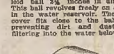
Per doz.
C14—3x5¼-inch diameter; neat glass base with reversible felt top; packed 4 in box..... 8.24



Per doz.
C8—Pressed glass, ground glass roller, size 4½x2, each in box..... 8.32

Per doz.
C4—VICTOR—Pressed glass, felt roller, which will retain moisture for a long time; size of base 4x2⅛; each in box..... 12.36

Per doz.
C7—BALL MOISTENER—Consists of a heavy crystal glass base 3½ inches by 4 inches, an aluminum top, size 3 inches by 2¾ inches; open in the center for a red celluloid ball 2¾ inches in diameter. The ball floats on the water in the water reservoir. The metal cover fits close to the ball, thus preventing dirt and dust from filtering into the water below..... 21.16



Each
C2—THE IDEAL MOISTENER—Consists of a reservoir and a rotating cylinder, both made of glazed white porcelain. Reservoir can be replenished without disturbing machine. Size of cylinder 3 inches, size of reservoir 2¾x4¼ inches; packed one each in corrugated box..... 1.98

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

Inkwells and Inkstands

C81 —Bankers' loose cap, 2½ inches square ..... Per doz. 2.12

C303-3 C824

	Per doz.
C302-2—Stoppered glass for carmine ink, diameter, 2 inches	4.80
C827 —2-in. square, pressed glass with cover	2.04
C828 —2½-in. square, pressed glass with cover	3.14
C829 —3-in. square, pressed glass with cover	6.30
C830 —3½-in. square, pressed glass with cover	10.08
C1001—4½-in. square, single cut glass	7.04
C1003—2½-in. square, single cut glass	2.89
C1006—3½-in. square, single cut glass	11.84
C1008—3 -in. square, single cut glass	18.00

PRACTICAL, OR HOTEL SAFETY With Cork in Bottom

C832 and C831 C971 to C975

	Per doz.
C832—Small glass, 2½ inches in diameter	2.16
C831—Large practical all glass	3.02
C827—Round, 2¼x2¼ inches	3.02
C972—Medium, round, 2¾x3¾ inches	4.32
C973—Same as C972, 2¾x3¾ inches	2.76
C974—Large, round, diameter 4¼ in.	7.38
C975—Medium, square base, 2¾x2¾	4.74
Extra stoppers for Safety Inkwell	.78

Made of glass, has patented rubber stop on bottom with a patented double clamp, making it impossible for the cork to fall out, easily cleaned.

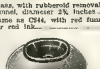
	Per doz.
C887—2 inches high, 2½ inches in diameter	7.08
C888—2 inches high, 3 inches in diameter	8.49

SPOTLESS—The only absolutely non-spillable, non-evaporating, dust-proof inkwell, especially adapted to hotel use.

	Per doz.
C4852—2½x2¾ inches, square	3.32
C4853—3 inches, round	3.82

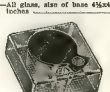
	Per doz.
C842—Round crystal glass, size 2 inches, black composition top	7.08
C843—Same as C842, with red top	7.08

	Per doz.
C844—Glass, with rubberoid removable funnel, diameter 2¾ inches	5.68
C845—Same as C844, with red funnel for red ink	6.66



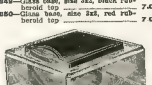
	Per doz.
C2102—All glass, size 2½ inches	5.18

	Bbl doz.
C2104—All glass, size of base 4½x4½ inches	16.00



	Per doz.
C4685—Black, size 2x2x1¾; revolving cover, glass base	8.50
C4687—Red, size 2x2x1¾, revolving cover, glass base	8.50

	Per doz.
C849—Glass base, size 3x3, black rubberoid top	7.08
C850—Glass base, size 3x3, red rubberoid top	7.08



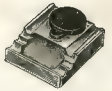
	Per doz.
C4618—PARAGON INKSTAND—Glass base, sliding rubberoid cover	10.20

DOUBLE INKSTAND FOR 2 COLORS

	Per doz.
C4615—PARAGON—New style, dust-proof, holds both red and black ink, glass base, rubberoid cover, sanitary, easily cleaned, stands are lettered on each side, slight move to the right for black ink and to the left for red ink	16.64

C4614

	Per doz.
C4615—Glass base single ink stand pen rack, sliding rubberoid cover	16.30
C4617—Glass base, double section for black and red ink	2 08



	Per doz.
C848—Glass base, pen rack in front and on side, size 6x5½, black top	10.50

	Per doz.
C840—Square glass, pen racks on all sides, size 3½ inches, black pen dip	9.20
C841—Same as C840, with red dip	9.20

	Per doz.
C3101—Pressed glass base, low shape, black rubber funnel, size 3½x	10.92
C3102—Same as No. C3101, red funnel for red ink	13.24

	Per doz.
C4626—PARAGON INKSTAND—Glass base, with pen rack, black rubberoid hinged cover, size 3x4½	11.78
C4628—Same as C4625, with red cover	11 70

	Each
C4632—PARAGON INKSTAND—Glass base with pen rack, oak finish, glass well; 6x6 in	2.20

	Per doz.
C834—For black ink, crystal glass, and hard rubber, diameter 2½ inches	6.16

	Per doz.
C835—For black ink, heavy pressed glass, 2½ inches square	10.60

	Per doz.
C836—Crystal glass, size 2 inches, with protected hard rubber funnel	21.20

Lakeview Inkstand

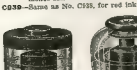
	Per doz.
C886—LAKEVIEW—Heavy pressed glass, fancy shape, 3½ inches square, for black ink, hard rubber top	7.05

	Per doz.
C833—For black ink, crystal glass and hard rubber, diameter 2¾ inches	8.64

New Improved Sengbusch, Self-Closing

C918 C919

	Each
C938—Round pressed glass, hard rubber fittings, easy, natural dip of the pen gives you always the same amount of clean, fresh ink. It is always ready for the pen and always fresh. Diameter 2½ inches	2.34
C939—Same as No. C938, for red ink	2.34



C913 C914

C912-C914?

	Each
C910—Heavy pressed glass, hard rubber fittings, diameter 2 inches, size of top 2½ inches. A new improvement has been added, making this article absolutely reliable at all times: it is air tight and keeps ink fresh until all is used	2.64
C911 Same as No. C910, red top	2.64
C914—Round, diameter 2 inches, black top	2 64
C915—Same as No. C914, red top	2 64
C912—Square, size 3x3 inches, black top	3.02
C913—Same as No. C913, red top	3.02

Cut Glass

	Each
C4647—Size 3x3 inches, black top	3.50
C4648—Same as No. C4647, red top	3.50

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

The Improved Gardner

HEAVY PRESSED GLASS

C854 and C855 C859

Per doz.

C854—For black ink, 2½ inch cube..... 16.12

C855—For red ink, 2½-inch cube..... 16.12

C853—For black ink, size 3x3x3, with pen rack 17.64

Dust-proof, non-evaporating, supplies just enough ink, keeps ink always fresh, hard rubber front.

Per doz.

C851 For black ink, size 3x3x3 ..... 17.64

C852—For red ink, size 3x3x3..... 17.64

Metal Inkstands

Per doz.

C4484—Maroon finish, size of base 3x4, ¾ dozen in package..... 1 76

Per doz.

C4492 Maroon finish, size of base 4x6, ¼ dozen in package..... 2.62

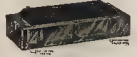
Per doz.

C4806—Maroon finish, size of base 3½x5½ 1 76

Each

C4814—Maroon finish, size of base 3½x5½ 2.46

The "Duplex" Inkstand



Size 6¼ inches long and 3 inches wide.

Per doz.

C1011—THE "DUPLEX"—Two reservoirs with a single black vulcanized sliding cover. Glass base, handsome cut and polished top. The cover has a pin rack 17 64

Paragon Inkstand

Each

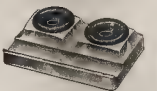
C4630—PARAGON INKSTAND—Double glass base, with pen rack in front and pin tray in center; black and red hinged rubbered cover; size 5¼x2¾..... 2.46

Per doz.

C826—Double, red and black tops, pen rack in front and place for pins, clips, etc.; size 3x7..... 17 64

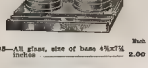
Per doz.

C827—Size 5¾x7¾, crystal glass, tops of Vulcanite rubber provide receptacles for pins and clips..... 17.64



Per doz.

C825—Size 5x7, crystal glass, red and black, rubber top, with straight open dip 17.64

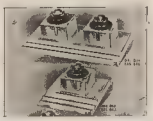


Each

C3105—All glass, size of base 4¾x7¾ inches 2.00

Each

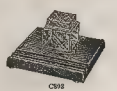
C4624—Double automatic, all glass, pen rack attached, black top for black ink and red for red ink 2.46



Each

C802—Crystal glass base with No. C3S6 inkstand 3.14

C803—Crystal glass base with one each red and black funnel No. C3S5 inkwell 3.88



C892

6x4 inches, fitted with 2¼-inch pressed inkwell,

Per doz.

C892—Oak base 19.35

C893—Mahogany base 21.20

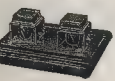
C894

For single desk, fitted with 2½-inch pressed inkwells. Size 6x9 inches.

Each

C894—Oak base 2.35

C895—Mahogany base 2.84



For double desk, fitted with 2½-inch pressed inkwells. Size 9x8 inches.

Each

C897 Mahogany base 2.74

C888—Wood base with No. C842 ink stand 2.00

Each

C889—Wood base with one each No. C842 and No. C843 inkstands... 2.04

Each

C890—Wood base with sponge cup and one each No. C841 and No. C842 inkstands 3.88

Each

C880—Oak, fitted with one C3S6 well, size 6x8 ..... 2.36

Each

C932—Crystal glass base with single Sengbusch inkstand, cut in as shown 3.02

Each

C933—Double Sengbusch inkstand with crystal glass base, as above 7.82

C916

Fitted with one 3-inch Sengbusch inkstand.

Each

C916—Oak base 5.86

C917—Mahogany base 6.22

C918

Fitted with one black and red 3-inch cut glass Sengbusch inkstand.

Each

C918—Oak, for single desk 10 70

C919—Mahogany, for single desk..... 11.12

C920—Oak, for double desk..... 11 46

C921—Mahogany, for double desk 12.10

C922

Fitted with cut glass sponge cup and two 3-inch cut glass inkstands.

Each

C922 Oak, for single desk 12.10

C923—Oak, for double desk..... 13.08

Fitted with cut glass 3-inch octagon sunk in Sengbusch inkstand.

Each

C924—Oak base 8 88

C925—Mahogany base 9.22

Fitted with two cut glass 3-inch octagon sunk in Sengbusch inkwells.

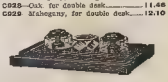
Each

C926—Oak, for single desk..... 10.72

C927—Mahogany, for single desk 11.12

C928—Oak, for double desk..... 11.46

C929 Mahogany, for double desk..... 12.10



C931

Fitted with cut glass sponge cups and two 3-inch octagon sunk in Sengbusch inkstands.

Each

C930—Oak, for single desk..... 12.10

C931—Oak, for double desk..... 13.08

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

Desk Accessories and Mail Bags

Pin Trays

C809—Composition, assorted black and red polished, diameter 3 inches, 12 in package ..... Per doz. 2.60

C 202

C202—Square corners, single size 2¼x2¼x1¼ inches high ..... Per doz. 2.00

C203

C203—Square, double compartments, crystal glass 4x3 inches, 1¾ inches high ..... Per doz. 4.00

C204—Three-hole pin and paper fastener tray, crystal glass, 6x3 inches, 1¾ inches high ..... Per doz. 6.04

Pen Trays

C319

C299 326

Pressed glass pen trays, fluted design rack with grooves for holding pens.

	Per doz.
C319—Size 9x2¾ ins., ¾-in. high	2.52
C299—Size 12x3 ins., ¾-in. high	2.52
C326—Size 9x3 ins., ¾-in. high	3.44

Combination Pen and Pin Tray

C221—Size 5x8¼, 3 compartments for pins and one compartment for pens and pencils ..... Per doz. 3.00

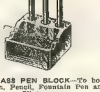
Pen Racks

C245

C208—PEN RACK—As cut, crystal glass, size 3¼x2¾, inches, 1 inch high ..... Per doz. 3.36

C206—PEN RACK—As cut, crystal glass, size 5¼x2¾ inches, 1¾ inches high ..... Per doz. 5.88

C207—CRYSTAL GLASS PEN RACK—Slanting as cut, size 6¼x3¾x1¾ inches high ..... Per doz. 9.00



C225—GLASS PEN BLOCK—To hold Pen, Pencil, Fountain Pen and Pins or Clips. ..... Per doz. 3.96

Desk Pad and Pencil Holder

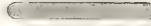
C2—EVERREADY PAD AND PENCIL HOLDER With flexible arm, scratch pad and holder attached..... Per doz. 11 40

Pencil Holder

C1 EVER-READY PENCIL HOLDER—With flexible arm nickel finished, solid brass with green felt, will not scratch desk or table; length of flexible arm 14 inches, diameter of base 2½ inches. Per doz. 9 44

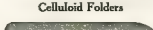
PAPER KNIVES AND FOLDERS

Celluloid Paper Knives
Thick Handle—Thin Blade



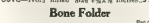
C20C—Ivory finish, size 8x¾ inches. Per doz. 2 74
C21C—Ivory finish, size 8x¾ inches 4.60

Celluloid Folders



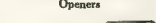
C34C—Ivory finish size 7½x¾ inches. Per doz. 3 04

Bone Folder



C6—Bone folder, 6x¾ inches Per doz. 3.60

Paper Knives and Envelope Openers



C101 Muckle, nickeled steel, length 7 inches ..... Per doz. 2.50

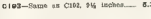
Paper Knives and Envelope Openers

C100—Steel, nickel finish, length 9 inches ..... Per doz. 2.80

C102—Nickel plated blade and ferrule, black rubberoid oval handle, 7½ inches ..... Per doz. 4 45

C103—Same as C102, 9¼ inches..... 5.36

C104—Nickel plated blade, 7¼ inches, white bone handle..... 3.50

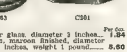


C105—Same as C104, 9¼ inches..... 5.84

Paper Weights

C83 C301

C63—Clear glass, diameter 3 inches. Per doz. 1.34
C201—Iron, maroon finished, diameter 3¾ inches, weight 1 pound..... 3.60



C104—Clear glass, recess in bottom, size 3¼x4 ..... Per doz. 2.16

C64—"DON'T PARK HERE" PAPERWEIGHT—Base and stand are white enamel, sign has red background with letters in white "Don't Park Here" Height, 5 inches. Dozen 7 84

TALKING MACHINE NEEDLES

Wall-Kane Needle Assortment

C80—Each needle guaranteed to play ten records, 60 packages in display carton; including: medium loud, and extra loud; per carton of 60, 10c packages. Per cent. 5.88

Wall-Kane Needles

Each Needle Guaranteed to Play 10 records on any machine

	Per dz. pkgs.
C81—Extra Loud	1.16
C82—Medium	1.16
C83—Loud	1.16

Pen Racks

C216—Spiral pen rack, black enamelled base, with 4-in nickel wire. 1 dozen in package ..... Per doz. 1 68

C2—Spiral brass, length 6¼ inches, 12 in package ..... Per doz. 1.40

C213—Diamond K bronzed iron frame, coppered wire length 3¾ inches, height 2¾ inches. 6 in package. Per doz. 3.70

C4804—PEN RACK—Made of bronze iron, width 4¾ inches. ¼ dozen in box ..... Per doz. 4 36

C220—ADAIR PEN RACK and paper weight combined. The spring is detachable, and the solid glass base may be used alone, it has groove in base for pen holder... Per doz. 5.88

Miss Comfort Widney Chair Pad

Made of A Quality, All Wool Felt. Moves as you move, but never leaves the chair. Fastened without straps. Instructions with each pad. Each

C21 For the extra large office arm chair, size 21½x18¾..... 2.04

C22—For the ordinary size office arm chair, size 18x16¾..... 1.96

C23—For straight front stenographer's chair, size 14½x15½ 1.96

No-Shine Chair Pad

Adjustable to any chair, reversible, ties with strap under chair Each

C11—Size 13½ inches, brown..... 2.04
C12—Size 12 inches, brown..... 1.84

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

Easter Novelties

Cotton Chicks

N26200—COTTON CHICK — Yellow and white with bead eyes, pink wire feet; 1 gross in box 1½ inches long. Per gro. 2.00

N26201—Same ¼ gross in box, 2¼ inches long 4.50

N26202—Same, ½ gross in box, 2½ inches long 9.00

N26203—Same, 1 gross in box, 2½ inches long 19.20

N26204—COTTON CHICK 4 assorted colors, with bead eyes, pink wire feet; 1 gross in box, 1½ inches long 2.40

N26205—Same, ¼ gross in box, 2½ inches long 4.50

N26206—Same, ½ gross in box, 2½ inches long 9.60

N26207—Same, 1 gross in box 3 inches long 19.20

Yellow Cotton Ducks

N26208—FINE YELLOW COTTON DUCK with long curved neck, open bill and head feather wings and webbed feet; ½ gross in box, 4 inches long. Per gro. 18.80

Cotton Roosters

N26211—COTTON ROOSTER—Yellow and white, with red comb and red feather wings and tail, pink legs, green wire feet; ½ gross in box, 2½ inches long. Per gro. 9.60

N26212—Same, 1/12 gross in box, 5½ inches long 19.20

Cotton Rabbits

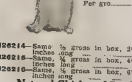
N26213 — COTTON RABBIT — Holding yellow carrot, with green feather tops, pink ears and eyes, 1 gross in box, 2 inches long. Per gro. 2.00

N26214—Same, ¼ gross in box, 2½ inches long ..... Per gro. 4.80

N26215—Same, ½ gross in box, 4½ inches long 9.60

N26216—Same, ¼ gross in box, 6¼ inches long 18.80

Natural Chick and Duck



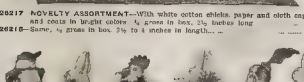
N26209—NATURAL STUFFED CHICK—With glass eye and wire feet; 4 dozen in box, 4 inches long. Per doz. 2.40

N26210—NATURAL STUFFED DUCK—With glass eye and wire feet, 1 dozen in box; 4 inches long 3.80

EASTER ASSORTMENTS

N26217 NOVELTY ASSORTMENT—With white cotton chicks, paper and cloth caps and coats in bright colors; ¼ gross in box, 2½ inches long ..... Per gro. 9.20

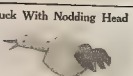
N26218—Same, ½ gross in box, 2½ to 4 inches in length 19.00



N26219—FANCY ASSORTED COTTON ROOSTERS, DUCKS, CHICKS AND RABBITS—With wreath carrot and balancing chick; ½ gross in box, 4½ to 5 inches in length ..... Per gro. 19.20

N26221—ASSORTED CINDERELLA SLIPPERS WITH COTTON CHICK, DUCK, ROOSTER AND RABBIT; ½ gross in box ..... Per gro. 24.00

Duck With Nodding Head



N26229 PAPER DUCK—With nodding head, feather wings, red open bill and red webbed feet, 8½ inches long; 2 dozen in box ..... Per doz. 2.00

Rabbit Candy Boxes

N26276—BROWN PAPER RABBIT—Assorted, three positions. Height of Sitting Rabbit is 5 inches. Packed 1 dozen to the box ..... Per doz. 1.60

N26277—BROWN PAPER RABBIT—Assorted, three positions, sitting, standing and running. Glass eyes, candy box on bottom. Height of Sitting Rabbit is 6¼ inches. Packed 1 dozen to box 3.60

Rooster Candy Box

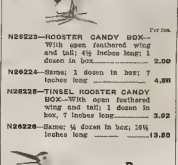
N26223—ROOSTER CANDY BOX—With open feathered wing and tail; 4½ inches long; 1 dozen in box ..... Per doz. 2.00

N26224—Same; 1 dozen in box; 7 inches long 4.80

N26225—TINSEL ROOSTER CANDY BOX—With open feathered wing and tail; 1 dozen in box, 7 inches long 3.92

N26226—Same; ¼ dozen in box; 10½ inches long 13.80

Paper Storks



Per doz.

N26227 — PAPER STORK—White with red; feathered tail, red feet and bill; 1 dozen in box, 9¾ inches long 1.60

N26228 — PAPER STORK—White with gold wings, red feather tail with red feet and red open bill, 1 dozen in box, 9¾ inches long 2.80

Paper Birds

N26232—BLUE FLYING BIRD—With yellow breast, with moving feather wings and wire spring hanger, 1 dozen; size 7x11 ..... Per doz. 3.80

N26233 Same, ½ dozen in box; size 9½x13 ..... 9.00

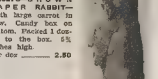
N26230—ASSORTED BIRDS—Six kinds and colors, canary, stork, robin, duck, dove and pigeon, paper with stationary wings and wire spring hanger; ½ dozen in a box, size 6x7 inches 1.60

N26231 Same, 1 dozen in box, size 8x11 inches 4.50

N26234—FLYING WILD DUCK—With moving feather wings and wire spring hanger; ½ dozen in box; size 11x13 ..... 12.00

Paper Birds

N26278—BROWN PAPER RABBIT—With large carrot in paw. Candy box on bottom. Packed 1 dozen to the box. 5½ inches high. Per doz 2.80



N26279—BROWN PAPER RABBIT—With basket on back. Glass eyes, candy box on bottom. Height 6¼ inches. Packed 1 dozen to the box ..... Per doz. 3.80

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

Easter Novelties, Terry Cloth, Velvet and Plush Toys

EASTER NOVELTIES

Per doz.
N26250—BROWN PAPER RABBIT—With cart of wood, paper wheels. Packed 1 dozen to the box. Length over all is 8¾ inches 3.80

Per doz.
N26281—PAPIER MACHE ROOSTER—With feather tail, attached to cart. Packed 1 dozen to the box. Length over all 6¼ inches 1.80

Per doz.
N26282—RUSTIC FENCE NOVELTY—With two small rabbits fastened on sides. Packed 1 dozen to the box. Length 4½ inches. Height 3 inches 1.80

Per doz.
N26283—PAPIER MACHE ROOSTER AND CHICK ON LOG—Packed 1 dozen to the box. 4 inches long, 5 inches high 1.68

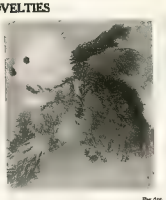
VELVET RABBITS—Assorted colors, pink, white and blue, with bell, glass eyes, sitting position.

	Per doz.
N26181—Length, 5½ inches	9.00
N26182—Length, 8¾ inches	15.00

N26193—VELVET COVERED RABBITS—Assorted colors, pink, white and blue, with voice and glass eyes, sitting position; length, 7½ inches 12.00

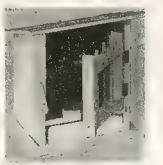
N26194—PLUSH COVERED RABBITS—Assorted colors, pink, white and blue, with voice and glass eyes, sitting position; length, 7½ inches 17.70

Per doz.
N26284—PAPIER MACHE ROOSTER ON PAPER STUMP—Packed 1 dozen to the box. Height, 7 inches 1.20

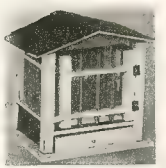


Per doz.
N26285—FUR RABBIT—With carrot in mouth, bright ribbon around neck. Packed 1 dozen to the box. About 6 inches high 2.40

N26265—CLOTH HEN AND ROOSTER—With feather tail. When wound up, the hen or rooster, runs along the floor. Packed ½ dozen to the box. 9¾ inches high and 8 inches long 9.00



Per doz.
N26287—PAPIER MACHE COVERED ROOSTER IN COOP—When door opens rooster cries. Small candy box on bottom. Packed ½ dozen to box. Size of coop is 8 inches by 5 inches. Coop has red brick roof 4.00



N26288—PAPIER MACHE COVERED ROOSTER IN COOP—When door opens rooster cries. Small candy box on bottom. Packed ½ dozen to box. 9½ inches high, 6½ inches by 4½ inches wide 8.00

VELVET COVERED DUCKS—Assorted yellow, pink, white and blue, with voice and glass eyes.

	Per doz.
N26195—Length, 5¾ inches	9.00
N26196—Length, 7¼ inches	12.80

PLUSH COVERED DUCKS—Assorted colors, yellow, pink, white and blue, glass eyes, voice, and with feet.

	Per doz.
N26183—Length, 4¾ inches	9.00
N26184—Length, 6¾ inches	17.20

N26190—PLUSH COVERED DUCKS—Assorted colors, yellow, pink, white and blue, glass eyes, mechanical voice and is on wheels, height, 6½ inches 19.20

Terry Cloth Toys

N26243-45 N26244 N26245-45 Per doz.

N26242—TERRY CLOTH RABBIT GIRL—Decorated in bright colors, height 15 inches 12.00

N26243—TERRY CLOTH RABBIT BOY—Decorated in bright colors, height 12 inches 12.00

N26244—WHITE TERRY CLOTH RABBIT—Standing position; height 8½ inches 12.00

N26245—WHITE TERRY CLOTH RABBIT—Sitting position, height 6½ inches 12.00

N26246—BROWN TERRY CLOTH RABBIT—With basket on back height 9½ inches 19.00

Velvet and Plush Toys

N26191

N26191—VELVET COVERED RABBITS—Assorted colors, pink, white and blue, has glass eyes, and in position with voice. Height to tip of ear, 10 inches 9.00

Per doz.

N26192—PLUSH COVERED RABBITS—Assorted colors, pink, white and blue, with voice and glass eyes, standing position, height to tip of ear, 11 inches 17.70

VELVET RABBITS—Assorted colors, pink, white and blue, with ball voice and glass eyes, standing position

	Per doz.
N26179—Height to tip of ear, 7½ inches	9.00
N26180—Height to tip of ear, 10½ inches	17.70

N26182

VELVET COVERED CELLULOID BABY FACE RABBITS—In standing position, assorted white, pink and blue. Packed 1 dozen to box.

N26189—Height to tip of ear, 8 inches. Per doz.	8.00
N26186—Same as N26187, plush covered, height 10 inches	12.00
N26187—Same as N26186, velvet covered, height 13 inches. Per doz.	16.80

VELVET COVERED DUCKS—Assorted yellow, white, pink and blue, with glass eyes, have feet, but no voice.

	Per doz.
N26187—Height, 6 inches	9.00
N26188—Height, 6 inches	9.00
N26182—Height, 7 inches	16.00

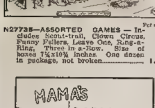
PRICES SUBJECT TO CHANGE WITHOUT NOTICE

Per doz.

N27760—OUR DONKEY PARTY—On heavy paper, colored, size of sheets 16x24 inches, each in envelope..... 1.44

Per doz.

N27734—MY DUST—Substantially made, well illustrated in colors on finished board. Played with a cane duster, same sent. Size, size 13x17 inches. One dozen in package, not broken..... 1.86

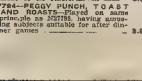


Per doz.

N27738—ASSORTED GAMES — Includes Scout-trail, Clown Circus, Funny Fishers, Leave Out, Ring-a-Ring, Three in a Row. Size of boxes 7¼x10½ inches. One dozen in package, not broken..... 1.86

Per doz.

N27735—ASSORTED GAME — Includes Mamma's Darling, Oh Mint, Asey-Ducey, African Game Hunt, Pay or My Heart, and Scout Trail. Size of boxes 9¾x13¾x1¾ inches. ¼ dozen in package, not broken... 3.92



Per doz.

N27783—PEGGY PUNCH FORTUNE TELLING—3¾ hole board with key. Brief and simple instructions for playing the game are printed on it. The board is passed from host to guest, who, after punching out a slip, reads it aloud for the amusement of all others..... 3.84

N27784—PEGGY PUNCH, TOAST AND ROASTS—Played on same principle as N27783, having amusing subjects suitable for after dinner games 3.84

SPEAK QUICKLY WHEN YOU WANT TO "PASS A BUCK" OR "BUCK" OR "PASS" OR "DARN YOU, YOU'RE IT" OR "PASS THE BUCK" OR "BUCK IT" OR "PASS IT" OR "BUCK" OR "PASS" OR "DARN YOU, YOU'RE IT" OR "PASS THE BUCK" OR "BUCK IT" OR "PASS IT"
"PUT A HAT ON UNCLE WIGGILY"

Per doz.

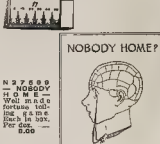
N27822—PUT HAT ON UNCLE WIGGILY—This outfit includes a large picture of Uncle Wiggily printed on heavy paper designed to hang on the wall, and a quantity of paper hats of many styles and colors. Any number may play. Put up in lithographed portfolio. Packed ¼ dozen in package..... 3.84

Per doz.

N27666—IMPROVED TOY MONEY — Has water on both sides and is approved by the U. S. Treasury Department, complete in box. ¼ dozen in package, not broken 4.00

Per doz.

N27811—NOVELTY GAMES—Assorted. Includes Rainbow, Spinning Jenny, Bull Board, Spinning Top, Birthday Game, etc. Size of boxes 9¼x9¾ inches, ¼ dozen in package, not broken..... 4.80



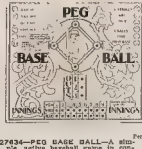
Per doz.

N27840 — GAGA-LOO—9¾x9¾ inches, ¼ doz. in package, not broken. Per doz..... 4.80

N27859 — NOBODY HOME — Well made fortune telling game. Each in box. Per doz..... 6.00

Per doz.

N26897—CHIC-CHIC—Five wooden counters with movable heads attached to string with wooden ball weight fastened on wooden platform with wire handle. Heads move up and down as weight is revolved. Painted in bright colors. Diameter of platform 7½ inches 8.50

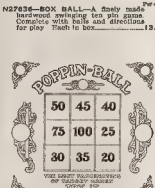


Per doz.

N27634—PEG BASE BALL—A simple, active baseball game in miniature. Two players only. Object of the game to score. The game is played upon a well made raised platform with holes to receive the pegs. The position of the base runner is indicated by the pegs, as well as the "outs" and "innings." The combination of the dice as thrown decide the various plays. Size, size 11¾x20¾. ¼ dozen in package, not broken..... 9.00

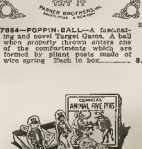
Per doz.

N27723—BIG SIX—INDOOR BASE BALL GAME—Designed and perfected by Christy Mathewson, and able to reproduce all the thrills of the diamond 24.00



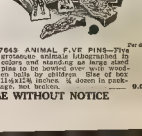
Per doz.

N27636—BOX BALL—A finely made hardwood swinging ten pin game. Complete with balls and directions for play. Each in box..... 13.50



Each

N27684—POPPIN-BALL—A fascinating and novel Target Game. A ball when properly thrown enters one of the comfortsacts which are formed by plant posts made of wire spring. Each in box..... 2.00



Per doz.

N27643 ANIMAL FIVE PINS—Five grotesque animals lithographed in colors and standing as large sized pins to be bowled over with wooden balls by children. Size of box 11¾x12¾ inches. ¼ dozen in package, not broken..... 9.00

Per doz.

N27644—SAMBO FIVE PINS—Five lively and comical darkies are put up in a neat box. Game is played in the style of 10 pins. ¼ dozen in package, not broken..... 13.50
Each

N27649—FIVE WISE BIRDS—A new and comical arrangement of birds sitting on a rail fence. The outfit consists of five birds, a rail fence, mantelpiece and when a bird is hit it falls back and a number appears, which counts as so many points. Each in box 2.30

Per doz.

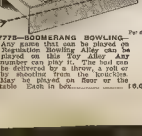
N27638—STRAFE SHARP-SHOOTERS—Containing nine pyramid soldiers and nine cannons, colored with forms. The pistol provided is a patented spring pistol. The soldiers throw small, wooden slugs without reloading. Put up in box with lithographed label. Size 7x10 inches, ¼ dozen in package, not broken..... 6.00

Per doz.

N27775—GAME OF HAPPY HUNTING GROUND—The game includes two rail hunters each armed with a perfectly good shooting gun operated by a spring. A tree, containing several animals ready to be shot, and plenty of wooden ammunition, and other animals which appear in the game. The game, which is furnished complete, will interest in added by tying the wooden bullet to the trigger of the gun by a light thread and thus avoiding the loss of ammunition. Box strongly made. Size of containers 16x21½. In box..... 21.50

Each

N27662—MERRY - GO - ROUND HUNTING GAME—It consists mainly of a center wooden disc about 14 inches in diameter, upon which are mounted and hinged colored images of various wild animals. The idea is to shoot down the figures with a harmless rifle while they revolve on the board. The motive power is provided by a spring motor which when wound up, will continue to revolve for a considerable period. Each in box. 3.80



Per doz.

N27775—BOOMERANG BOWLING—Any game that can be played on Regulation Bowling Alley can be played on this. Size 2½x24 inches. A27
number of players. The ball can be delivered by a throw, a roll or by means of the boomerang. Games may be played on floor or the table. Each in box..... 10.00

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

Fielders' Gloves

It has always been our aim to offer the very best values that can be produced in order to meet the requirements of those who regard quality as the first and essential consideration. Goldsmith Guaranteed Athletic Goods represent the highest quality in material and workmanship and are the accepted standard for discriminating users.

All persons who need anything in the line of athletic goods can safely make a selection by means of this catalog with full assurance that each and every article will give full satisfaction in every respect.

All Goldsmith Guaranteed Athletic Goods carry the iron-clad guarantee, that any article which may prove unsatisfactory or develop a defect during use will be replaced or repaired free of charge if returned, express charges or postage charges prepaid.

ATHLETIC "FIRST—because they—LAST" GOODS

GOLDSMITH GUARANTEED

Per doz.

N8500—TAN LEATHER GLOVE—A glove for the small boy; outseam style, felt padded throughout with leather palm pad..... 1 17 0

Per doz.

N8501—YOUTH'S SIZE GLOVE—Outseam stitching; black leather with leather palm; felt padded..... 18.00

Per doz.

N8502—MEDIUM SIZE GLOVE—Made of tan glove leather with leather palm, felt padded..... 23.52

Each

N8503—FULL SIZE GLOVE—An exceptionally well made glove of good quality buff glove leather, padded with leather, correctly padded 2.84

Each

N8504—LARGE SIZE GLOVE—A glove of good quality white sheepskin, tan welted seams and bindings; palm lined with leather; best felt padding..... 3 11

Each

N8505—WELL MADE GLOVE—A glove of good grade olive glove leather, well padded, leather lined palm, strongly stitched white welted seams, laced wrist..... 3.02

N8506—LARGE SIZE GLOVE—Made of buff chrome tanned leather, full leather lined, black leather welted seams, laced wrist, well padded with flexible felt..... 3.60

Each

N8507—GENUINE BLACK HORSEHIDE GLOVE—Full leather lined, well padded, strongly stitched, leather welted seams..... 3.92

N8508—FULL AND ROOMY GLOVE—Made of the best quality pearl glove leather, with black leather lining, laced wrist; correctly padded with felt to make a natural pocket. A glove that has the right "feel"..... 4.20

N8509—GENUINE DRAB HORSEHIDE GLOVE—Full leather lined, brown leather welted seams and binding; correctly padded for immediate use, laced wrist. A strong well made model..... 4.56

PROFESSIONAL MODELS

Each

N8513—C. L. BIGBEE MODEL—Cream velvet finish horsehide of strong tannage with soft kid lining. No padding in palm assures a firmer grip. Laced wrist for adjustment. The padding is of the scientific kind. Designed by Bigbee of the Pittsburgh "Pirates"..... 5.16

Each

N8515—CLYDE MILAN MODEL—Designed and used by Clyde Milan, star outfielder of the Washington "Senators". Genuine selected stake buff horsehide with full leather lining, tan welted seams, corded welted in thumb and back, full laced wrist for adjustment of padding. "Big league" quality and design..... 9.82

Each

N8516—CHOICE, FLEXIBLE PEARL HORSEHIDE GLOVE—Made in "big league" style. Has full leather lining and strongly stitched leather welted seams, laced wrist. A corking good glove..... 4.98

N8517—OLIVE HORSEHIDE GLOVE—Made of genuine selected olive horsehide that will give unusual service. Full leather lined with tan leather welted seams and binding, well padded throughout, laced wrist. A glove that helps you grab the ball right..... 6.06

Each

N8515—HANS WAGNER MODEL—An extra large, long fingered, easy fitting model, made of the finest tan horsehide, well padded in thumb and heel, stitched throughout with heavy linen thread; leather welted seams; oil tempered by special process, adding life as well as flexibility to the leather. Ready for immediate use, full lined and padded with best quality felt, full laced wrist..... 9.50

Each

N8514—EDDIE ROUSH MODEL—A specially constructed model with extra long fingers, uncommon thumb and forefinger. Selected tan horsehide, leather lined throughout, correctly padded, with full laced wrist. An easy fitting model that will stand up under hard service..... 6.18

Each

N8518—AN EXCEPTIONALLY HIGH GRADE GLOVE—Made of oil tanned horsehide, with full black leather lining. A short fingered model, laced at the wrist, with black leather welted seams, ready-broke for immediate use. An exceptionally well built glove..... 6.06

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

Tennis Rackets, Croquet Sets

Tennis Rackets

N6060-05

N6066-11

FAVORITE TENNIS RACKET—For beginners, a good strong reasonably priced racket. Single center stringing.

	Each
N6080—13½ ounce	2.80
N6081—14 ounce	3.80
N6082—14½ ounce	3.80

LAKEVIEW TENNIS RACKET—Well made racket with regular black walnut throat. Double center stringing.

	Each
N6003—13¼ ounce	4.00
N6004—14 ounce	4.00
N6005—14½ ounce	4.00

ACORN SPECIAL TENNIS RACKET—Concave throat, ash frame shoulders reinforced with green binding. Double center stringing.

	Each
N6006—13¼ ounce	6.00
N6007—14 ounce	6.00
N6008—14½ ounce	6.00

CHAMPION TENNIS RACKET—Frame is made of white ash, with concave, walnut reinforced throat. Shoulders are bound with purple binding. Double center stringing.

	Each
N6009—13¼ ounce	6.00
N6010—14 ounce	6.00
N6011—14½ ounce	6.00

N6013-14

N6013-17

DELIGHT TENNIS RACKET—This racket is made with shaped handle, beveled oval shape frame with reinforced concave throat. Red gut binding on shoulders. Double center stringing

	Each
N6012—13¾ ounce	8.00
N6013—14 ounce	8.00
N6014—14½ ounce	8.00

MATCHLESS TENNIS RACKET—Made of selected white ash with concave throat reinforced with black fiber and purple binding. Fine combed handle, double center stringing, fine quality white, guaranteed gut.

	Each
N6015 13½ ounce	7.50
N6016—14 ounce	7.50
N6017—14½ ounce	7.50

N6018-79

N6023-23

N6024-25

N6027-32

CHALLENGER TENNIS RACKET—Concave throat, slightly beveled selected white ash frame. Shoulders reinforced with colored fiber and two rows of purple gut. Double center stringing, strung with fine quality guaranteed white gut.

	Each
N6018—13½ ounce	9.00
N6019—14 ounce	9.00
N6020—14½ ounce	9.00

SERVICE TENNIS RACKET—Walnut and oak veneer frame reinforced with Wilco fiber. Black and red gut binding. Concave white belly throat. Double strung center

	Each
N6021 13½ ounce	14.00
N6022—14 ounce	14.00
N6023—14½ ounce	14.00

TROPHY TENNIS RACKET—A racket of merit, that is a duplicate of the popular model used by one of the world's famous players. White belly throat. Shoulders reinforced inside and outside with walnut. Four-sided cedar handle strung with fine quality lamb gut Double center stringing Shoulders reinforced with red gut.

	Each
N6024—13½ ounce	14.00
N6025—14 ounce	14.00
N6026—14½ ounce	14.00

VICTOR TENNIS RACKET The construction of this model has been greatly improved for the season of 1923. It is a square, non-beveled frame, reinforced shoulder construction of red fiber and black gut binding. Concave white belly throat, and four-sided cedar handle. Strung with Wilson highest quality "Orchestra" orange gut. Single center stringing.

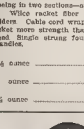
	Each
N6027—13½ ounce	14.00
N6028 14 ounce	16.00
N6029—14½ ounce	18.00

STAR TENNIS RACKET—A racket embodying all that is new in racket construction, and built to meet the requirements of the most exacting player. This racket has been styled by experts "the most beautiful racket in America." A perfect oval model The Wilco fiber reinforcing is carried around the entire frame, the frame being in two sections—an exclusive feature. Wilco racket fiber on outside of shoulders Cable cord wrappings give this racket more strength than you will ever need. Single strung four-sided all cedar handle.

	Each
N6030—13½ ounce	18.00
N6031—14 ounce	18.00
N6032—14½ ounce	18.00

Tennis Racket Cases

	Per doz.
N1452—TENNIS RACKET CASE—Made of double texture canvibrian cloth, khaki color, bound with smooth brown leatherette, full size for large handled rackets, with outside pocket for three balls	15.50
N1453—Same as N1452, with large shoe pocket on back	21 00


N1453

D. C. TENNIS RACKET Frame made of weatherproof ash in shape like Davis Cup, strung with good quality gut, single centre stringe, concave throat, ends forced with dogwood insertion, bound at throat and on frame where the strain comes, 1¼ inch handle, which has special style cushion.

	Each
N1434—Light weight, 13½ ounces	14.00
N1435—Medium weight, 14 ounces	14.00
N1436—Heavy weight, 14½ ounces	14.00

DAVIS CUP TENNIS RACKET—Named in honor of the famous Davis Cup. Made of ash of uniform appearance especially selected, oval frame, with wood reinforcement and black walnut handsome concave throat, single stringing. Every racket is taken with this racket to satisfy the most discriminating player 4¾-inch handle

	Each
N1437—Light weight, 13½ ounces	18.00
N1438—Medium weight, 14 ounces	18.00
N1439—Heavy weight, 14½ ounces	18.00

N1440-42

N1443-45

GOLD STAR TENNIS RACKET Used by National Champions and many prominent players throughout the country The frame is carefully selected for playing quality and balance. Has green binding and reinforcing on the throat, 4¾ inch handle long and narrow shape especially liked by many players and for overhead work, the size The same size throughout players' surfaces, and the shape the player the same grip when playing from back of the court as at the net.

	Each
N1440—Light weight, 13½ ounces	18.00
N1441—Medium weight, 14 ounces	18.00
N1442—Heavy weight, 14½ ounces	18.00

GEORGE WRIGHT E TENNIS RACKET—The shape of each is perfect, stringing of the finest quality English gut and the frames of selected second-growth ash; in fact, it is the last word in tennis racket construction. Made with mahogany laminated concave throat, double stringing, 4¾ inch handle.

	Each
N1443—Light weight, 13½ ounces	18.00
N1444—Medium weight, 14 ounces	18.00
N1445—Heavy weight, 14½ ounces	18.00

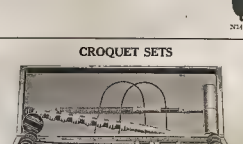
CROQUET SETS

Four Ball Set

	Each
N1100—STANDARD CROQUET. A four ball set, straight arches, in square box with hinged cover. Weight per set, 13 lbs.	3 20

Six Ball Set

	Each
N1102—STANDARD CROQUET—A plain set, mallets oiled, balls and stakes varnished, nine arches, with hook, complete in dovetailed box with hinged cover. Weight per set, 18 lbs.	4.00


N1100-N1102

The game for all ages and classes. Rules are so simple that children can play it. The game has a strong fascination for the elders, and gives them the benefit of moderate exercise without taxing the energy. The following sets will fit all requirements and are remarkably low-priced.

Eight Ball Set

	Each
N1103—STANDARD CROQUET—A plain set, mallets oiled, balls and stakes varnished, nine arches, with hook, complete in dovetailed box with hinged cover Weight per set, 21 lbs.	4.70

Four Ball Professional Set

	Each
N1101—STANDARD CROQUET—Four eight-inch mallets, with short handles, striped balls and mallets two large, handsome stakes, heavy arches with sockets. A desirable set for five players Weight per set, 17 lbs.	7.20

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

DISTINCTIVE FEATURES FOUND ONLY IN THE "GUNN"

FLUSH FRONTS—The solid shelves do not protrude between the doors, eliminating dust collecting ledges found in other cases. FLUSH ENDS—No unsightly iron bands. ARTISTIC DESIGNS. REMOVABLE DOORS. Great convenience in cleaning glass. Non-binding, because they run on roller bearings. DESK SECTIONS—Have large, rigid, writing bed. Pigeon hole interior carefully designed for practical use.

Case No. D1309

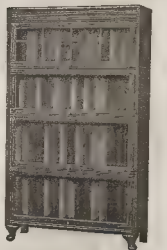
Outside length 34¼ in. Outside height 67¼ in. Consists of flush top, two 9¾ in. and two 11¾ in. Book Sections with Queen Anne Base. Book capacity 10 ft. 8 in. Approximate ship. wt., 125 lbs.

	Each
Price, complete, quartered oak or birch imitation mahogany	60.00
Price, complete, genuine mahogany, paneled ends	75.25

Case No. D1304

Outside length 34¼ in. Outside height 69¾ in. Consists of flush top, one 9¾ in. and two 11¾ in. book sections, standard desk section and Queen Anne base. Book capacity 8 ft. Approximate ship. wt., 105 lbs.

	Each
Price, complete, quartered oak or birch imitation mahogany	79.50
Price, complete, genuine mahogany, paneled ends	95.85



Case No. D1301

Outside length 34¼ in. Outside height 67¼ in. Consists of flush top, two 9¾ in. and two 11¾ in. book sections with Queen Anne base. Top book section has grill door. Book capacity 10 ft. 8 in. Approximate ship wt., 125 lbs.

	Each
Price complete, quartered oak or birch imitation mahogany	61.95
Price, complete, genuine mahogany, paneled ends	74.85

SHIPPED DIRECT FROM FACTORY, GRAND RAPIDS, MICH.

Case No. D501

Outside length 34¼ in. Outside height 67¼ in. Consists of flush top and sanitary base. Two 9¾ in. and two 11¾ in. Book Sections. Book capacity 10 ft. 8 in. Approximate ship. wt., 125 lbs

	Each
Price, complete, quartered oak or birch imitation mahogany	58.00
Price, complete, genuine mahogany, paneled ends	71.20

Case No. D503

Outside length 34¼ in. Outside height 69¾ in. Consists of flush top, desk section. Two 9¾ in. and one 11¾ in. Book Sections. With sanitary base. Book capacity 8 ft. Approximate ship. wt., 105 lbs.

	Each
Price, complete, quartered oak or birch imitation mahogany	77.20
Price, complete, genuine mahogany, paneled ends	93.60

Case No. D61

Gunn Plain Oak Design

Outside length 34¼ in. Outside height 67 in. Plain oak only. Consists of flush top, two 9¾ in. and two 11¾ in. Book Sections and sanitary base. Book capacity 10 ft. 8 in. Approximate ship. wt., 130 lbs

	Each
Price, complete, plain oak	52.00

Standard, Separate Sections

	Each
D50—Top section flush, oak	8.20
D50—Top section flush, imitation mahogany	9.20
D50—Top section flush, genuine mahogany	11.60
D60—Base section sanitary, oak	7.20
D60—Base section imitation mahogany	7.20
D80—Base section genuine mahogany	8.40
9¾-inch book section, oak	10.40
9¾-inch book section, imitation mahogany	10.40
9¾-inch book section, genuine mahogany	12.80
11¾-inch book section, oak	10.40
11¾-inch book section, imitation mahogany	10.40
11¾-inch book section, genuine mahogany	12.80
13¾-inch book section, oak	10.80
13¾-inch book section, imitation mahogany	10.80
13¾-inch book section, genuine mahogany	13.20

BE SURE TO SPECIFY FINISH DESIRED.

The Gunn Sectional Bookcases are finished in medium Dark Soft Colors, Golden Oak, Fumed Oak, Birch, Imitation Mahogany and Genuine Mahogany. Brown Mahogany furnished if desired. All in Dull "Satin" Finish. NUMBER 61 IN PLAIN OAK ONLY.

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

Artificial Bait and Assortments

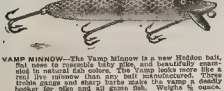
WILDER-DILG LURE—The cork body minnow you have heard so much about; closely imitates the action of a wounded minnow which bass or trout strike viciously when nothing else would get a rise.

	Per doz.
N2377—WILDER-DILG LURE—Bass size. Red head and red feathers. Kraenfel's Coaxer	12.00
N2375—WILDER-DILG LURE—Dark blue head and colored feather. Wildlife Fancy	12.00
N2376—WILDER-DILG LURE—White head, red tail feathers. "Bob Davis" Coaxer	12.00
N2390—WILDER-DILG LURE—Gray head and gray feathers. Zane Grey's Coaxer	12.00
N2391—WILDER-DILG LURE—Yellow head and yellow feathers. "Bob Davis"	12.00

	Per doz.
N2382—WILDER-DILG LURE—Trout size, red head and red feathers	12.00
N2383—WILDER-DILG LURE—Trout size, silver head and gray feathers	12.00
N2384—WILDER-DILG LURE—Trout size, black head and red feathers	12.00
N2385—WILDER-DILG LURE—Trout size, bronze head and bronze feathers	12.00
N2386—WILDER-DILG LURE—Trout size, white head and white feathers	12.00
N2387—WILDER-DILG LURE—Trout size, yellow head and yellow feathers	12.00

THE NEW HEDDON "GAME FISHER" MINNOW—The "Game Fisher" floats while at rest, draws well below the surface in a most wig-wag motion. Equipped with two trebla hooks. Length of body 4¾ inches, weight ¾ ounce.

	Per doz.
N2388—Green scale	15.00
N2389—White body, red head and tail	16.00
N2390—Shiner scale	16.00



VAMP MINNOW—The Vamp Minnow is a new Heddon bait, that vases in irresistible baby pike, and beautifully examples in natural fish colors. The Vamp looks more like a real live minnow than any bait manufactured. Three treble gangs and sharp barbs make the vamp a deadly hooker for pike and all game fish. Weighs ¾ ounce. Length 4½ inches.

	Per doz.
N2392 White body, red eyes and tail	16.00
N2393 New pike scale	16.00
N2394—Shiner scale finish	16.00

ARTIFICIAL BAITS

IKE WALTON SINGLE HOOK MINNOW—This new feather bait is a real killer, both casting and trolling, and the combination of red and yellow is very effective. Practically weedless, and is ideal for use in lily pads and weeds where the big ones lie. Equipped with 3/0 O'Shaughnessy Hook. Length of body 4 inches. Length of tail (feather) 1¾ inches. Weight ¾ ounce.

	Per doz.
N2395—Red and white	16.00
N2396—Pike scale, green and yellow tail	16.00
N2397—Shiner scale, green tail	16.00

SOUTH BEND BASS-ORENO—The Bass-Oreno is a wobbler type of bait, similar in general outline to the wonderful oriental bait, successful in game fish in Japan, India, Africa, Cuba, Paris and wherever much like an inferior bait. Not in action in Bass. This bait while primarily designed for all species of fresh water fish, has also proven effective for salt water species such as Striped Bass, Channel Bass, Bonito, etc. Body is 4¾ inches long. Supplied in 6 standard colors as follows: finishes—guaranteed not to crack. Packed one in a box.

	Per doz.
N7134—Red head and white body	13.60
N7136—Rainbow color	13.60
N7138—Imitation frog color	13.60
N7137 White body with red and green decorations	13.60
N7139—Yellow perch scale finish	13.60

	Per doz.
N7139—Nite-Luming finish	13.60

SOUTH BEND BABE-ORENO—The Babe-Oreno is about the same fine and construction as the Bass-Oreno, only is a smaller and lighter weight bait. Body length is 3¾ inches. Packed one in a box. Furnished in the following colors:

	Per doz.
N7140—Red head and white body	13.60
N7141—Rainbow color	13.60
N7143—Imitation frog color	13.60
N7142—White body with red and green decorations	13.60
N7144—Yellow perch scale finish	13.60

	Per doz.
N7148—Nite-Luming finish	13.60

SOUTH BEND PIKE-ORENO—As its name implies, the Pike-Oreno is designed especially for Wall-eyed Pike and large Pickerel. However, has proven effective for Bass and other game fish—even Muskie. The Pike-Oreno trawls deep, due to its particular construction. The propeller head is fitted with a nickel-plated, solid brass blade, peculiarly shaped and extending below or beyond the head, so that it revolves deep. The tail is weighted with lead, depending upon the speed with which it is reeled. Has the same diving, darting, wobbling action in motion as the famous Bass-Oreno. Body length is 4¾ inches. Equipped with three treble hooks, extra large. Packed one in a box. Furnished in the following enamel finishes:

	Per doz.
N7145—Red head and white body	16.00
N7147 Rainbow color	16.00
N7146—Imitation frog color	16.00
N7148—White body with red and green decorations	16.00
N7150—Yellow perch, scale finish	16.00
N7151 Red head, aluminum color body	16.00

SOUTH BEND SURF-ORENO—The Surf-Oreno is a surface bait which rides high on the water. Its special light saltmixy creates a swirl and darts more alluring to big game fish. Made of special light wood. Body is 3¾ inches long. Packed one in a box. Furnished in the following standard colors:

	Per doz.
N7182—Red head and white body	13.60
N7183—Yellow body with red and green decorations	13.60
N7184—Solid red color with black nose	13.60

SOUTH BEND MIDGET SURF-ORENO—This bait is of the same general design and construction as the Surf-Oreno only is a smaller and lighter weight bait. Body length is 2¾ inches. Packed one in a box. Furnished in the following colors:

	Per doz.
N7185—Red head and white body	13.60
N7186—Yellow body with green and red decorations	13.60
N7187 Solid red color with black nose	13.60

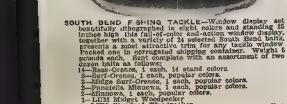
SOUTH BEND MIDGET UNDER WATER MINNOW—Another underwater minnow of the same general design as the standard South Bend Minnow, except being smaller. Equipped with a front spinner only, and three treble hooks. Length of body 2 inches. Packed one in a box. Supplied in the following colors:

	Per doz.
N7188—Yellow and white body	12.00
N7189—Yellow perch, scale finish	12.00
N7190—Rainbow color	12.00

SOUTH BEND THREE TREBLE UNDERWATER MINNOW—This is the standard type of underwater minnow, used for casting or trolling. Equipped with spinner at both front and rear. Treble hooks are connected with counterweak screw-eyes. Special quality enameled finishes are used on this bait. This bait while primarily designed for all species of fresh water fish, has also proven effective for many salt water species. Length of body 2 inches. Packed one in a box. Furnished in the following colors:

	Per doz.
N7191—Red head and white body	13.60
N7192—Yellow perch, scale finish	13.60
N7193—Rainbow color	13.60

ARTIFICIAL BAIT ASSORTMENTS



SOUTH BEND FISHING TACKLE—Window display set beautifully illustrated in colors, size of window display, 16 inches high, 14 inches wide. This window display, which is the result of 24 selected South Bend baits, presents a most attractive trim for any tackle window. Packed one in corrugated shipping container. Weight 5 pounds each. Sent complete with an assortment of two dozen baits as follows:

1—Bass-Oreno, 1 each, 14 stand colors

1—Surf-Oreno, 1 each, popular colors.

2—Midge Surf-Oreno, 1 each, popular colors.

2—Presidents Minnows, 1 each, popular colors.

2—Minnows, 1 each, popular colors.

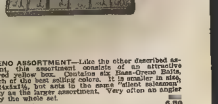
1—Midget Wood pecker.

1—LUM Standard Woodpecker.

	Per doz.
N7182—Window display, complete with baits	27.50

BASS-ORENO ASSORTMENT—A neat, attractive assortment of one dozen South Bend Bass-Oreno Baits, one each of the twelve standard colors. Displayed on the counter on individual display cards. Packed one dozen at once each everyday size. Each bait is packed in a separate box so that when a sale is made the whole set complete is retailed from shelf stock.

	Per doz.
N7183—Assortment	13.60



BASS-ORENO ASSORTMENT—Like the other described assortments, this assortment consists of an attractive colorful display containing six Bass-Oreno Baits, one each of the best selling colors. It is smaller in size, being suitable for the counter, and is the most efficient salesman's assortment as the larger assortment. Very often an angler will buy the whole set.

	Per doz.
N7184—Assortment	6.00

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

Artificial Bait Assortments

BABE-ORENO ASSORTMENT—Contains six Babe-Oreno baits, one each of the most popular colors. Packed in individual boxes as above assortment. Packed one assortment in a container. Weight 1 pound complete.

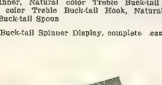
N7185—Assortment ..... each 6.80

N7186—SOUTH BEND PIKE-ORENO DISPLAY BOX This assortment is ideal for counter or show case display or window trim is a neat and attractive Golden Red Yellow Box with black and red printing. Contents are 6 South Bend Pike-Oreno baits of selected good sailing colors. Packed one assortment in a container ..... each 8.00

SOUTH BEND BUCK-TAIL SPINNER DISPLAY—A most attractive display of various South Bend Buck-tail Spinners Mounted on white cards, the red, brown and natural color buck-tails with red wrappings and nickled spinners make a mighty effective showing contrasted against the white In the show case or window, they are sure attention-getters, productive of easy sales

There are sixteen items mounted on two cards Packed one set in a container Each display set is comprised of one each of the following. Pure-Oreno Fly Spoon, Weedless Spinner Hook Natural color, Weedless Spinner Hook, White Weedless Buck-tail Bass Spoon, Natural Buck-tail Bass Spoon, Black Buck-tail Bass Spoon, Natural color Jersey Weedless Buck-tail Spinner, White Buck tail Minnow Spoon, Natural color Single Hook Buck-tail Spoon, Natural color Midget Treble Buck-tail Spoon, Red Weedless Buck-tail Bass Spoon, Brown Buck-tail Fly Spoon, Red Fox Sgrl-Oreno Fly Spinner, Natural color Treble Buck-tail Hook, Natural color Treble Buck-tail Hook, Natural color Treble Buck-tail Spoon

N7187 Buck-tail Spinner Display, complete each 10.00



FUZZ-ORENO BUCK-TAIL FLIES—In small size for Trout fishing as shown here. They come mounted on a perforated card divided into twelve sections permitting the easy removal of individual lures. Makes effective show-case display and frequently results in sale of entire set.

N7188— ..... dozen 4.80

FUZZ-ORENO BUCK TAIL FLIES—Without spinners, mounted on perforated card, divided into twelve sections permitting easy removal of individual lures. Hook size 1/0. Makes attractive display in show case

N7189— ..... dozen 4.80

CALLMAC BASS BUGS—Original, genuine, no-slip body. The famous Callmac Bass and Trout Bugs. In the opinion of celebrated angling experts they are considered the most sensational of floating bugs or fly lures Their peculiar design combines feathers and buck-tail hair in fay color contrasts, giving every appearance of a living fly or bug. A patented no-slip hook extends through the cork body, preventing turning or twisting This is the genuine patented no-slip body floating bug originated by Cal J McCarthy

N7190—Assortment Callmac Bass Bug contains one each—Braun's Ranger, body silver, wings golden pheasant and yellow; tail red. Hank's Creation, body silver, wings mallard, red and white, tail red Miss Liberty, body white, wings blue and white, tail red. Oriole, body black; wings yellow; tail fox squirrel. Dixie Carroll, body white with yellow stripes; wings white and orange, tail white. Hampy Long, body red, wings guinea and black; tail yellow. Orange Drake, body orange; wings orange mallard; tail orange. Major Easley, body orange with black stripes; wings cowdung and red; tail white. Mill's Special, body yellow with brown stripes; wings white and yellow; tail white Buckingham's Glory, Body silver, wings brown and white buck-tail; tail red. O'Reilly's Pet, body red, wings red and white buck-tail, tail red Ozark Ripper, body black, wings black, tail black

Per assortment of one dozen 10.40

SOUTH BEND ORENO-BASS FLY—Weighted body; single spinner This lure has a single nickel plated spinner attached Mounted one on a card, four cards connected

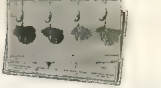
N7191—Hook size, 3/0; spoon size, 3 NP (single spoon) ..... per dozen 4.80

STRAIGHT EYE RINGED—With single spinner, mounted one on a card, twelve cards connected. Packed one dozen in a container Weight ¼ pound per dozen. Furnished in the following assorted fly patterns.

Professor	Wickham's Fancy
Royal Coachman	Reuben Wood
Col Fuller	McGinty
Red ibis	Cowdung
Brown Palmer	Parmacheene Belle
Black Gnat	Gray Hackle

N7193—Feathered Fly Spinner, hook size, 8, spoon size, 0; per dozen 5.60

N7194—Feathered Fly Spinner, hook size, 1/0, spoon size, 3, per dozen 5.60



SOUTH BEND ORENO-BASS FLIES—Are tied on extra strong, hollow point, bronzed, ringed eye Sproat hooks with heavy tied inverted wings and enameled, waterproofed weighted bodies. Used with a single or tandem spinner and pork rind it presents a well proven irresistible lure Mounted one dozen on card assorted Supplied in six standard patterns as follows: Red Ibis, White Miller, March Brown, Yellow May, Black Gnat, Parmacheene Belle

N7192—Hook size, 3/0, (in about six patterns! ..... per dozen 7.20

SOUTH BEND TROUT FLIES—Gut snelled Highest grade workmanship fancy feathered trout flies, tied on best quality TT eye hollow point, bronzed Sneck hooks with mist color gut snell. Put up six on a card. Packed one dozen in box Furnished in the following eighteen standard popular patterns. Specify pattern and hook size. If preferred, assorted will be so furnished, but not less than half-dozen each of a pattern and size. Silver Doctor, Professor, Royal Coachman, Queen of Waters, Gray Hackle, Yellow Coachman, McGinty, Black Gnat, Cowdung, Grizzly King, Scott Green, Ibis, Parmacheene Belle, Brown Palmer, Cahill, White Miller, Yellow May, Cal Coachman.

N7196—South Bend snelled flies, hook size 10 ..... per dozen 4.00

DISPLAY CARD OF SET OF 18 PATTERNS SOUTH BEND TROUT FLIES—A handy display card which promotes fly business. Contains set of eighteen patterns South Bend snelled trout flies. Supplied only in hook size No 16. Packed six cards in a container

N7196—Sample Card of 18 Patterns South Bend Snelled Flies ..... per card 4.00

SOUTH BEND FEATH-ORENO MINNOW The genuine original feather minnow designed by Ben. Winchell. A floating fly rod lure with the perfect action of imitating a crippled minnow, which angling authorities concede to be very attractive and alluring for bass and other species of fresh water game fish Hook size is 1/0 hollow point bronzed of special improved design that makes this lure superior in hooking qualities. The straight eye ringed hook permits attaching spinner etc. for underwater fishing Body is cork, which will neither slip nor twist. Highest quality of design, materials and workmanship throughout

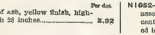
The contents of assortment is one each of following twelve popular standard patterns' Red Ibis with White Tail, Royal Coachman, Gray Hackle with Red Tag, Silver Doctor, The Cole, Grizzly King, Yellow Drake, Brown Hackle, Parmacheene Belle, White Miller, Lord Baltimore, Blue Jay.

N7230—Per assortment 10.40

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

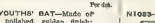
Baseball Bats, Basketball Accessories, Volley Balls

Boys' and Youths' Baseball Bats



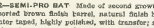
Per doz.

N1035—BOYS' BAT—Made of ash, yellow finish, highly polished, average length 26 inches..... 2.92



Per doz.

N1081—JUNIOR LEAGUE YOUTHS' BAT—Made of ash, flame burnt, highly polished, golden finish; average length 32 inches..... 7.00



Per doz.

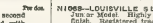
N1082—SEMI-PRO BAT Made of second growth ash, assorted brown finish barrel, natural finish handle, ebony taped, highly polished, with transfer; assorted lengths, 32 to 36 inches..... 14.10

Per doz.

N1083—KING OF THE FIELD—Made of second growth ash, new golden finish, highly polished, with new transfer; assorted lengths, 32 to 36 inches..... 14.10

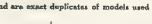
Per doz.

N1084—TY COBB JUNIOR MODEL—Highly polished, flame burnt finish, with transfer; Junior size of this famous bat, length 32 inches..... 14.10



Per doz.

N1085—BABE RUTH JUNIOR MODEL—Highly polished, golden flame burnt; Babe Ruth autograph on each bat, length 32 inches, Junior model of this famous bat..... 14.10

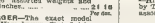


Per doz.

N1086—LOUISVILLE SLUGGER—Eddie Collins Jun or Model. Highly polished golden flame burnt finish. Registered trademark photo and autograph of Eddie Collin. Length 32 inches, assorted weights..... 14.10

Louisville Slugger Baseball Bats

Are made by hand of extra selected second growth North Side Mountain White Ash, straight grain, and are exact duplicates of models used by the leading sluggers of the baseball world.



Per doz.

N1069—LOUISVILLE SLUGGER, MAN'S BAT—Made of second growth ash, new special burnt, oil finish, hand turned, taped handle assorted weights and assorted lengths, 32 to 36 inches..... 24 16

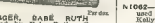
N1070—LOUISVILLE SLUGGER—The exact model used by Jake Daubert. New brown flint finish, highly polished. Extra small handle and high weight registered trademark photo and autograph of Jake Daubert Assorted weights and assorted lengths, 32 to 36 inches..... 31.76

Per doz.

N1087—LOU SYLLE SLUGGER, MAN'S PROFESSIONAL LEAGUE BAT—Made of second growth ash, straight grain hand turned, flame burnt, shellac finish highly polished, assorted weights and assorted lengths, 32 to 36 inches..... 23.52

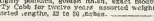
Per doz.

N1088—LOUISVILLE SLUGGER, BABE RUTH MODEL—Exact model used by Babe Ruth; oil tempered finish, Babe Ruth autograph on each bat, assorted lengths, 32 to 36 inches..... 31.76



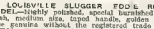
Per doz.

N1068—LOUISVILLE SLUGGER—Eddie Collins' model, flown stained, highly polished small handle and weight proportioned, registered trademark photo and autograph of Eddie Collin. Assorted weights and assorted lengths, 32 to 36 inches..... 31.76



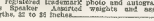
Per doz.

N1060—LOUISVILLE SLUGGER, TY COBB MODEL—Highly polished, golden finish, exact model used by Ty Cobb for twelve years; assorted weights and assorted lengths, 32 to 36 inches..... 31.76



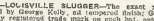
Per doz.

N1081 LOUISVILLE SLUGGER FOD'L ROUSH MODEL—Highly polished, special burnished dark finish, medium size, taped handle, golden knob; Fod'l Roush's autograph, registered trade mark of Fod'l Roush length 32 to 35 inches, assorted weights..... 31.76



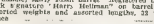
Per doz.

N1071—LOUISVILLE SLUGGER—Tris Speaker model Highly polished specially flowed burnt-golden finish, registered trademark photo and autograph of Tris Speaker Assorted weights and assorted lengths, 32 to 36 inches..... 31.76



Per doz.

N1062—LOUISVILLE SLUGGER—The exact model used by George Kelly, oil tempered finish; George Kelly registered trade mark on each bat, assorted weights and assorted lengths, 32 to 36 inches..... 31.76

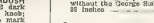


Per doz.

N1072—LOUISVILLE SLUGGER—Harry Hellmann model Highly polished oil ash finish this tapering handle, fairly small barrel Registered trademark & statute "Harry Hellmann" on barrel and Assorted weights and assorted lengths, 32 to 36 inches..... 31.76

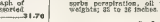
Per doz.

N1063—LOUISVILLE SLUGGER, HANK GOWDY MODEL—Special taped handle, golden finish, assorted we ghts, 32 to 36 inches..... 31.76



Per doz.

N1064—LOUISVILLE SLUGGER, GEORGE SISLER MODEL—Highly polished, gray finish, cross stamped without the George Sisler trade mark, length, 32 to 36 inches..... 31.76



Per doz.

N1065—LOUISVILLE SLUGGER, MAJOR LEAGUE SPECIAL CORK GRIP—Eliminates vibration, absorbs perspiration, oil tempered finish, assorted weights, 32 to 36 inches..... 31.76

Indoor Bat

Per doz.

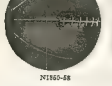
N1066—INDOOR BAT Made of ash, oil tempered flame burnt, polished, length, 33 inches..... 11.76

Playground Bat

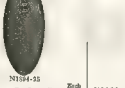
Per doz.

N1067—PLAYGROUND BAT Made of hard wood golden finish polished, medium size, especially designed for playground use, length 32 inches..... 10.60

BASKET BALLS AND ACCESSORIES



N1850-48



N1894-35

Each

N1850—A good wearing ball, full size. Good quality pebble grain sheepskin, backed with heavy duck. Complete with gray gum bladder..... 5.80

N1861—Good quality genuine cowhide backed with heavy canvas. Full size. Heavy linen cord stitching. Complete with pure gray gum bladder..... 7.80

N1852—Made of prime quality full weight American basket ball cowhide lined with heavy waxed linen thread. Regulation size and weight Pure gray gum bladder, leather lace and lacing needle. 13 30

N1894-35 OFFICIAL BASKET BALL—Made to Stag Steadi-T Guaranteed to fit frames. Correct in size shape and weight Used and endorsed by men with the Official Rules. Made of the finest imported English Pressed Tempered Hide basket ball leather. Backed with two heavy specially constructed linings which prevent all stretch. All seams are stitched with seven-ply waxed linen cord. Each ball packed separately in a sealed box with pure gray gum bladder leather lace and lacing needle..... 17.80

N1896—BASKET BALL BLADDERS—For use in N1850 and N1851 Basket Ball..... 1.00

N1898—BASKET BALL BLADDERS—For use in N1852 and N.894 Basket Ball..... 1.90

N1160

N1160—BASKET BALL GOALS—Drop forge iron Official in size and construction. Six-inch extensions. Complete with nets..... 9.00

Per pair

N1859—KNEE PADS—Combined knee pad and elastic bandage Padded with circular white felt strips Lightness in weight with maximum protection..... 2.36

Now is the time to order your Athletic Goods and be in time for the Spring Rush.

N1855-48

BASKET BALL PANTS Good quality khaki, invisible free hang w big pads Button front.

	Each
N1855—Size 28 to 32	2.00
N1856—Size 34	2.20
N1857—Size 36	2.20
N1858—Size 38	2.20

Volley Balls

Each

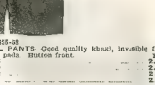
N1848—An extremely serviceable and durable ball of pearl leather, reinforced with duck lining Correct in size, shape and weight. Leather lace and pure gray gum bladder..... 4.60

N1845—An excellent ball of fourteen panel leather Constructed on the Lawne-piece pattern, which insures perfect shape Heavy duck lining Complete with pure gray gum bladder..... 5.30

Each

N1847—Made on the official four-piece pattern of the finest tan calf-skin Patented outside stitching which prevents stretch as well as wear on the seams Heavy duck lining. With pure gray gum bladder..... 7.80

Volley Ball Bladder



Each

N1896—For use in N1845, N1846, N1847 volley ball and N1849 and N1851 soccer footballs..... 1.00

Volley Ball Net

Each

N1466—VOLLEY BALL NET Length 27 feet, three feet high, twelve thread 1½ inch square mesh mounted top and bottom on heavy cord 3.30

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

Printing Outfits and Picture Puzzles

PRINTING OUTFITS

Per doz.

N27705—EXCELSIOR PRINTER—Consists of a 5A, 6A font of rubber type (Capitals and small letters), 2 full sets of figures, a hinged cover, self-inking pad, size 2x3¾ inches, a pair of steel tweezers, and a 7 line holder with black anodized handle. Size of box, 11x8½ inches, ½ dozen in package. 22.80

N27706—RUBBER TYPE PRESS—Consists of wooden base, on which a swinging rubber type holder is attached, together with self inking pad, a pair of steel tweezers and a 4A font of rubber type and figures. Size of box 8¾x7 inches. One dozen in package. 6.00

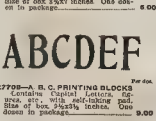
Per doz.

N27703 MOTHER GOOSE PICTURE PUZZLE SERIES—Contains six Clara M. Burd pictures. Each box includes one puzzle neatly made up and carefully sawed. Container has a picture on each of two sides. Titles of pictures follow: Little Miss Red Riding Hood, Little Miss Muffet, Mary Quite Contrary, Tommy Tucker, Dido a Cock Horse, Little Boy Blue. 1 dozen in package, not broken 2.80

N27758—T NY TOT SERIES PICTURE PUZZLE—Our Tiny Tot Series is made up of six delightful pictures, viz.: Mother Goose, The Lighthouse, At Woodbridge, The Quiet Brook, Camping, The Sailboat. The Waterfall. A duplicate picture of the puzzle appears on the cover of the box, mounted in a nicely printed frame. This printed design is made to match the puzzle, so that it may be used as the top of the box. Each contains sawed right with transparent glassine. Each puzzle is cut into 20 pieces, ½ dozen in package, not broken. Size of box 7¾x5½ 4.80

Per doz.

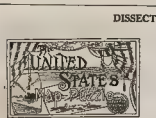
N27709—A. B. C. PRINTING BLOCKS—Contains Capital Letters, figures, etc., with self-inking pad. Size of box, 9¾x8¾ inches. One dozen in package. 7.80



Per doz.

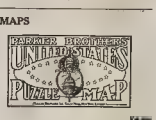
N27708—A. B. C. PRINTING BLOCKS—Contains Capital Letters, figures, etc., with self-inking pad. Size of box, 9x4¾ inches. One dozen in package. 9.00

DISSECTED MAPS



Per doz.

N27659—DISSECTED MAP—United States, cut out on state lines in wood. Size 19x11¾ inches. ½ dozen in package, not broken. 4.50

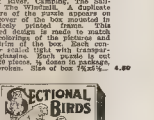


Per doz.

N27661—DISSECTED MAP—United States, three-ply wood, cut on nearly cut on state lines. ½ dozen in package, not broken. 18.00

Each

N27649—ANIMAL PUZZLE—Embodies animals, 6 kinds, lithographed in colors, mounted on two sides of board. Size 10½x7¼ inches. Packed ½ dozen in a package, not broken 7.80



Per doz.

N27539—SECTIONAL BIRDS AND ANIMALS—Six birds lithographed in colors and mounted on heavy pulpboard. Picture has name of bird or animal printed in large letters. Each cut in irregular pattern and wrapped in tissue paper. Size 6¾x5½ inches. Six in package, not broken. 7.84

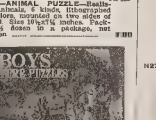
Per doz.

N27660—DISSECTED MAP—United States, cut out on state lines in special heavy cardboard. Size 9¼x 12¾ inches. ¼ dozen in package, not broken 9.00

Per doz.

N27662—UNITED STATES MAP—Dissected. Most three-ply stock, nicely cut on state lines, each map individually sawed with such care that the states when fitted together closely show the cutting which made them separate pieces. Each in box 2.30

N27662—UNITED STATES MAP—Dissected. The best and most nicely cut U. S. map. On special three-ply stock, about ⅛ inch thick and cut with fine saws. The parts fit with the utmost nicety. Cut on state lines. When put together the junction of the line is hardly perceptible. Each in box... 3.00



Per doz.

N27655—PICTURE PUZZLE—A new series of puzzles, 6 to the box, 6 kinds in series, wrapped in glassine paper. Novel and brightly colored. ½ dozen in package, not broken 4.80

N27656—PICTURE PUZZLE—Six different subjects assorted, carefully cut out on special heavy cardboard. Size of box 10¼x7¾ inches. ½ dozen in package, not broken 9.00

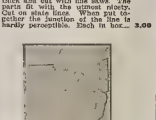
N27657 PICTURE PUZZLE—Six different subjects assorted, printed with great care, and cut out of excellent heavy cardboard. Size of box 11¼x8¼ inches. ½ dozen in package, not broken 12.50

Per doz.

N27548—PETER RABBIT SERIES—Contains Mother Richmond Puzzle, Little Boy Blue, Santa Claus, Playing Ball, Peter Rabbit Puzzle, Puss in Boots puzzle. Size 9¾x13 inches. ½ dozen in package, not broken. 9.00

Per doz.

N27768—UNITED STATES MAP PUZZLE—Accurate map, printed in bright colors. It is mounted on a heavy composition board with bright paper edging and back sheet and the pieces sawed out on scroll saw. Each piece is numbered on the cover of the container... 2.80



Kerb

N27760—OHIO DISPLAY MAP PUZZLE—Large map measuring 20 inches long and 16 inches wide. Printed in several bright colors, mounted on composition board with bright paper edging and back sheet and the pieces sawed out on scroll saw. The outside frame around the counties is left in one solid border to which is firmly attached on the under side a piece of white pulp board 2 1-2 x 3 1-2 and forms a support which when folded back will securely hold the puzzle in position. This is a good puzzle for public schools, substantial and very accurate. A duplicate map is mounted on the cover of the container... 2.20

N27770—MICHIGAN DISPLAY MAP PUZZLE—Same as N27760, with state of Michigan as subject..... 2.20

N27771—ILLINOIS DISPLAY MAP PUZZLE—Same as N27760 with state of Illinois as subject..... 2.20

N27772—IOWA DISPLAY MAP PUZZLE—Same as N27760, with state of Iowa as subject..... 2.20

N27773—MISSOURI DISPLAY MAP PUZZLE—Same as N27760, with state of Missouri as subject..... 2.20

Per doz.

N27764—JUVENILE SERIES PICTURE PUZZLE—Attractive picture puzzle, suitable for newer color combinations. Each box contains one puzzle sawed right by 25 pieces. Transparent glassine is used to seal pieces in box. The subjects are all of fowls or animals. ½ dozen in package, not broken 4.50

N27755—OLYDOOR SERIES PICTURE PUZZLE—This series contains of ten pictures of the following subjects: A Rural Inn, The Old Mill, The Old Homestead, The Old Lighthouse, Mother's Helper, A Quiet Brook, Printed in artistic colors by the off-set process high grade. The puzzles are made of combination board with nicely colored edging and backing. Each puzzle contains sawed by hand 20 pieces, carefully sawed and cleaned, then sealed with transparent glassine. Size of box 7¾x5¾ inches, ½ dozen in package, not broken 9.00

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

Puzzles, Holiday Signs, Roulette Wheels

Picture Puzzles

Per doz.

N27567—ON THE FARM SERIES. This series is made up of four subjects as follows: The Pet Rooster, An Enemy in Camp, The Cow Boy, and Fishing Time. The pictures in this set are Ribo graphed and the figures are large. Made of high grade composition board with bright edging and back sheet. It is cut into 12 pieces, carefully cleaned and sealed with gelatine. A duplicate picture giving the same number, pieces, etc., is printed on the back and on the cover of each box. Size of box 16x13, ¼ dozen in package, not broken..... 13.50

Per doz.

N27581—TWILIGHT EXPRESS — A complete train, consisting locomotive, baggage car, day coach, sleeping car, dining car and observation car. When put together, these six cars form a train over nine feet long, with a scene background Size 18¾x2¼ inches. Each in package 12.00

Per doz.

N27582—CIRCUS PUZZLE—The pictures in this box show alluring scenes under the great tent. Size 12¾x18¾ inches. Each in package 12.00

Per doz.

N27583—THREE BEARS—This puzzle shows the Three Bears inviting the perusing, consuming upon the porridge, and the discovery by the Golden Hair in the Little Bear's bed. Beautifully lithographed Size 12¾x18¾ inches. Each in package 12.00

Each

N27589—SCROLL PICTURE PUZZLE Beautifully made and cut out of wood. 5 subjects mounted in each box. Size of box 11x14 inches. Each wrapped separately 2.80

Matt and Jeff Puzzle

Object— To Separate the Two Parts.

Solution—Take hold of the two loops, using the thumb and finger of each hand. Swing the loop in the left hand to the left and across the left loop. The former left loop will now be on the right side. Press the two parts toward each other at the same time turning the part, now on the right side, away from you and the other side toward you and they will come apart.

Per gro.

N28334—MUTT AND JEFF PUZZLE Each in envelope with Illustration, imprint and directions..... 9.00

Over-the-Top Puzzle

Object—To Remove the Link from the Rings.

Solution—Hold puzzle with one ring above the other and with the loop in opening connecting them pull from upper ring to right and then drop off. Reverse these operations to replace.

Per gro.

N28335—OVER THE TOP PUZZLE— Each in envelope with illustration, imprint and direction..... 9.00

Horse-Shoe Puzzle

Object—To Remove the Center Horse Shoe.

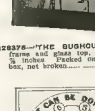
Solution—Hold the ends of the two large horse-shoes, one with each hand, with the flat sides facing up. Move the right hand away from the body and then bring the ends of the horse-shoes downward and toward each other as far as they will go and the center horse shoe will come off easily.

Per gro.

N28336—HORSESHOE PUZZLE— Each in envelope with Illustration, imprint and directions..... 9.60

Per gro.

N28376—THE BUGHOUSE—Metal, frame and glass top, size 6x6¾x¾ inches. Packed one dozen in box, not broken..... 12.00



Per doz.

N27547—14 PUZZLE—One of the most fascinating puzzles ever devised. Played with wooden counters on a numbered board, the object being to remove the 14 from the board and by jumping and land the last one on the 14 in the center. Lithographed label in colors. Size 7¾x7¾ inches. Packed 4 dozen in a package, not broken..... 4.80

NOVELTY PUZZLES

Per doz.

N27727—WUDPEG SOLITAIRE GAME—Consists of box 7x4 inches and 1 inch deep. Containing a play-board and 32 bright colored pegs 4.00

Per doz.

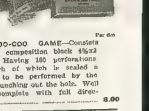
N27718—PUZZLE PEG—A novel solitaire game. Played by one and makes fun for all the onlookers that can stand around. Played on disc 6¼ inches in diameter, with 31 wooden pegs. Well made full directions printed on bottom of disc. Put up each in attract ve box..... 7.84

Per doz.

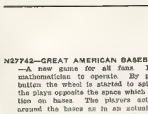
N27685—PICTURE POCKET GAME—Animals head, feet, figure or Tshaped cards, etc., set into pockets on the Pocket Card. The object is to find (capture) these animals when presented in the pockets. ¾ dozen in package, not broken..... 9.00

Per doz.

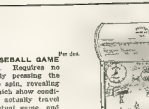
N27742—GREAT AMERICAN BASEBALL GAME—A new game for all fans. Requires no mathematician to operate. By pressing the button the wheel is started to spin, revealing the plays opposite the space which show condition on bases. The players actually travel around the bases as in an actual game, and are governed by the same rules. Means for automatically recording runs, outs, innings, strikes, balls and final score. Each game in carton 10.00



ROULETTE WHEELS



N27725



N27739

N27741

Per gro.

N27729—POCKET ROULETTE WHEEL—Having numbers 1 to 12, 9 and 00, set in metal frame, 4¾x2½ inches, painted black, red and green. Complete with composition ball. 2 dozen in package not broken..... 9 20

Per doz.

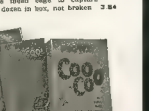
N27720—KIDDIE ROULETTE—This is a complete roulette outfit. Wheel is made of metal, 5½ inches in diameter, furnished with green cloth layout 16x26 inches. Each in set box..... 12.80

Per doz.

N27729—COOTIE GAME JUNIOR—Metal box 12x24 inches, glass top, through which the "Cootles" may be seen. The idea is to induce the cootles, by tipping the box, to enter a small chamber in end of box, and be captured. 1 dozen in package not broken..... 12.80

Per doz.

N27791 -COOTIE GAME—Larger edition of N27729 size of box 24x12 inches, well made, has four cootles, and wire mesh cage to capture them. 1 dozen in box, not broken 3 84



Per doz.

N27792—COO-COO GAME—Consists of small composition block 4¾x2 inches. Having 180 perforations into each of which is inserted a "stake" to be performed by the person punching out the hole. Well made, complete with full directions..... 8.00

Per doz.

N27741—MINIATURE ROULETTE—Small but complete. Wheel is set in nicely finished base, 4 inches in diameter, is of burnished and dull nickle. Figures in red, black and green. Paper layout complete with directions, each in neat box 27.40

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

Spelling Boards, Toy Town Games

Letters and Anagrams

*27530—ANAGRAMS — "Letters." In this edition the letters are printed on heavy cardboard, and put up in box. Size 6¼x8½ inches. Packed six a package, not broken 4.50

*27531—ANAGRAMS—Letters may be made to lay flat or stood upright on edge, in the remaining 150 letters. Size 8x11 inches. Packed one dozen to package, not broken 9.00

N27625—MAGNETIC LETTERS, NEW—Four fish poles, with magnets, are used to fish the letters out of the pan. The players aim to get as many letters as possible in a minute to fish and three minutes to form any words they can with what letters they have stolen. Each in box 18.00

Spelling Boards—Continued

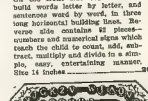
N27727—EZY ART—Consists of model surfaces, drawing surfaces, and two folding wings. Contains 96 models including 64 simple model drawings of familiar objects, complete alphabet, numbers and simple words. When in use wings form an easel permitting board to set in upright position with drawing surface flat. One of good chalk with each board. Size of model surface 6½x8 inches, drawing surface 12½x18, wings, 7¾x8 inches 17.50

Spelling Boards

N27728—READER SPELLER COUNTER BOARD—Counters, movable letters for word building on front side, and 44 movable letters and arithmetical signs for counting and problems on reverse side. Light in weight and free from sharp edges. Size 11 inches. 17.28

N27730—PROBLEM BUILDER—Contains forty-four movable letters on one side and numerical number of figures on the other, all made for little children to handle easily. Size 13¾x3 ..... 21.50

N27731—WORD AND PROBLEM BUILDER—A double faced educational board that provides a practical sight reader, word and sentence builder, and problem builder. On the front side the child can build words letter by letter, and sentences word by word, in three long horizontal building lines. Reverse side contains 61 pieces—numbers and numerical signs which teach the child to count, add, subtract, multiply and divide in a simple, easy, entertaining manner. Size 14 inches 26.40



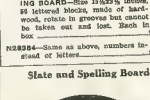
N28335—THE UNIVERSAL SPELLING BOARD—Size 13½x8¾ inches, 98 lettered blocks, made of hardwood, retain in grooves but cannot be taken out and lost. Each in box 20.00

N28334—Same as above, numbers instead of letters 20.00

Blackboard

N27729—BUSY WORK BLACKBOARD—A child can transfer the guide-lines of the picture with a blackboard by tapping lightly with blackboard eraser, forcing the chalk dust through the stencil onto the blackboard. Made of heavy card board. Size of drawing surface 12 x11 inches. With directions and stencils 3.70

Slate and Spelling Board



N27728S—SLATE AND SPELLING BOARD—Contains a complete set of numerals, an alphabet and an extra set of vowels. Size 10 inches 9.00

N27740—LITHOGRAPH BACK SLATE—Sixty-four characters for spelling and arithmetic, two lines for building words and with back lithographed picturing a circus 15.00

Size 13 inches

Spelling Boards—Continued

N27739—COMBINATION SLATE AND SPELLING BOARD—On one side a double line of words to be placed on the buttons. Both letters and figures are given and are chosen from the teacher's manual to develop right method of reading. The other side of the slate has letters and numerals that makes play of arithmetic, spelling, etc. Both sides are slates and can be written and drawn upon. Size 13 inches 24.00

Toy Town Games

N27716—TOYLAND STOP AND GO SIGNAL—This facsimile in miniatures of the regulation traffic semaphore. It is made of wood and nicely colored. 2½ feet high. Each packed separately 6.00

N27725—TOY TOWN TELEGRAPH OFFICE—Outfit for complete Day, Night letter and cable telegraph service, envelopes and toy money. Master code, telegraph instrument, ticker, lithographed cardboard office, 9¼ inches in package, not broken 9.00

N27625—TOY TOWN TELEGRAPH OFFICE—Comes with toy telegraph instrument, which Morse Code as used in the telegraph offices, also cable explanation; day, night-letter and cable telegraph blanks, envelopes and toy money, a lithographed cardboard office in which toy money is paid out and which toy telegram, pencil and canceling stamp with pad and a ready cash desk in package, not broken 18.50

N27623—TOY TOWN AIRSHIP—A new novelty this year, containing dirigible airships with hangars, and airplane sheds. ¼ dozen to package, not broken 9.00

N27627—POST OFFICE GAME—Small but complete. Outfit consists of Postoffice front, letter carrier cap, mailing equipment, etc. ¼ dozen to package, not broken 9.00

N27628—POST OFFICE GAME—With Postoffice front, letter carrier cap, in addition to the letter writing and mailing equipment. Size 16¼ x9¾ ¼ dozen in package, not broken 13.50

N27624—TOY TOWN GARAGE—A completely outfitted garage with various kinds of automobiles to suit the young chauffeur amateurs in size and occupation. ¼ dozen in package, not broken 9.00

N27622—TOY TOWN RAILROAD—A small but complete outfit. Contains conductor's hat, whistle, tickets, punch, and material necessary for the operation of same. Size of box 10½x2¾x1¼ inches. ¼ dozen in box, not broken 9.00

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

Jack Straws

Per doz.
N27857—JACK STRAWS—76 colored "straws" in six different forms, wax tube, cradle and hooks with different colored handles comprise the implements for this Jack Straw game. Each has a distinctive value which gives added interest to the game. Size 6¾x9⅝ inches. Packed ¼ dozen in package, not broken..... 4.50

Per doz.
N27809—MAGNETIC JACK STRAWS —Attractive edition, with good variety of straws and one magnet. Size 5⅛x8⅝ inches. ⅛ dozen in package, not broken..... 4.50

Per doz.
N27810—MAGNETIC JACK STRAWS —Introduces new feature, the straws being held in place and lifted from the board by a small magnet in wrong box. Size 5¾x9⅛ inches. Packed ⅛ dozen in package, not broken..... 8.00

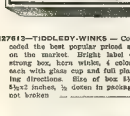
Per doz.
N27858—JACK STRAWS—A fine set of plain uncolored "straws" of unique forms of each one numbered. Size 6x8¾ inches. Packed ¼ dozen in package, not broken.... 7.84

Per doz.
N27666—FUN IN A HARDWARE STORE—This is really a new and novel idea in Jack Straws. Instead of the familiar wood pieces, metal rings, hooks and other pieces are substituted. This game is played with a magnet. A very artistically colored label covers a good substantial box. ¼ dozen in box, not broken..... 9.00

TIDDLEDY WINKS

Per doz.
N27612—TIDDLEDY WINKS — Complete with horn snappers in three colors, and wood cup, ¼ dozen in package, not broken..... 1.50

Per doz.
N27616—HOP SCOTCH, TIDDLEDY WINKS—A Tiddledy- Winks novelty game played on a large printed felt mat, with polished bone winks, snappers, etc. Each in box..... 16.80



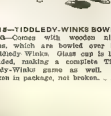
Per doz.
N27613—TIDDLEDY-WINKS — Concedes the best popular priced set on the market. Bright label on strong box, horn winks, 4 colors, each with glass cup and full playing directions. Size of box 5¾x 5¾x2 inches, ½ dozen in package, not broken..... 3.84

Each in box
N27617—COMPLETE TIDDLEDY-WINKS—A new number combining five of our famous Tiddledy-Winks games in our large box. Beautifully made, bright and attractive. Size 11⅞x8½x2¼ inches. Each in box..... 2.70

Per doz.
N27623—THE FAIRIES' CAULDRON —This is an entirely new and novel application of our famous Tiddledy-Winks games. The material and make-up of this new article is of the same high standard and quality that stamps all our goods and the game is played in the quick-moving Home on the mantel. Size of box 7¼x8¼ inches. ¼ dozen in package, not broken..... 9.00

Per doz.
N27614—TIDDLEDY-WINKS—A good edition, with colored polished winks and glass cup. ½ dozen in package, not broken..... 3.00

N27624
HOP IN THE TUB—Tiddledy-Winks quality. 12 winks and a tub if possible, or if they miss the tub, they come back on the specially prepared card. Either way a score is obtainable. Size 11x11½x3 ½ ozs. Good goods, size, not broken..... 3.00



Per doz.
N27618—TIDDLEDY-WINKS BOWLING—Comes with wooden nine pins, which are bowled over by Tiddledy Winks. Glass cup is included, making a complete Tiddledy-Winks game as well. ⅛ dozen in package, not broken..... 4.00

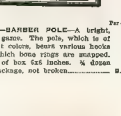
Per doz.
N27624—CLOCK TIDDLEDY WINKS—Has an additional educational feature. Twelve highly colored cups are arranged in a circular design and by snapping the winks from one cup to another, the various numbers are learned. Size 14½ inches square. Each in box..... 12.00

RING AND DISC GAMES

Per doz.
N27795—PITCH-EM WINKS—A table horse shoe game. Each shooter uses two small aluminum horse shoes, shooting them toward a center stake by means of round aluminum disks. The center stake, which consists of a green plate (enameled) with a nickel-plated post attached, is placed in the center of the table. Horse shoes are shot from opposite sides of the table from small felt pads which are provided. Scoring is the same as in the good old game of "Horse Shoes." Each in box..... 4.00

Per doz.
N27719—CROKINOLE DISCS—24 hardwood discs, 12 black and 12 white in box..... 6.50

Per doz.
N27840—OVER THE FENCE—The above game. The floor of the game upon one side of the fence bears a green foil. The game is of the Tiddledy Winks type and winks are popped over the fence and count according to the space in which they land. Box size 18x9⅜, ¼ dozen in package, not broken.. 4.50



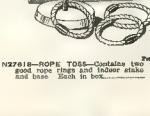
Per doz.
N27821—BARBER POLE—A bright, jolly game. The pole, which is of bright colors, bears various bucks at which bone rings are snapped. Size of box 6x6 inches. ¼ dozen in package, not broken..... 2.00

Per doz.
N27717—CARROM RINGS—10 polished hardwood rings in 4 colors, in box; for use on combination game boards..... 6.50

Per doz.
N27625—RING THE PIN—A board or screen mounted with brass hooks counting for different numbers made for the purpose of catching the round bone rings which are snapped at it. Each in box..... 12.50

RING TOSS GAMES

Per doz.
N27523—QUOITS—Contains one stake with base and is played with rope rings, being equally appropriate for the parlor, piazza, or lawn. Packed ¼ dozen in package, not broken. Four in package, not broken..... 4.50



Per doz.
N27618—ROPE TOSS—Contains two good rope rings and indoor stake and base. Each in box..... 6.00

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

Toy Town Games, Fish Ponds and Lotto

Each

N27630—TOY TOWN RAILROAD—A new number this year. A novel, entertaining item for children, combining metal in trains, cars, and engines, etc. Each in box..... **2.40**
Per doz.

N27276—TOY VILLAGE—Has cloth hinged cardboard houses and one lithographed sheet of figures, with tin basis for the mixes, and ground work for the whole set. Size of box, 19x14¼ inches. ¼ dozen in package, not broken..... **12.00**

Per doz.

N27745—THE BOY TOY MAKER—Contains every essential for making wooden toys and novelties. It is equipped with a round steel coping saw with extra blades, brad awl, file, soft wood joining plan, tracing, coloring, and sand papering materials, and a set of full size pattern designs of toys, and novelties in cardboard box..... **19.20**

TOY TOWN GAMES

Each

N27746—THE BOY TOY MAKER—Contains all the material and tools described in N27745 with the addition of a hand paper hook, ruler, larger supplies of wood, colorplates, and a ladder, in strong cardboard box..... **2.80**

Per doz.

N27631—SUNNY MONDAY WASHING SET—Comprises set containing 1 tub, 1 rubber mat, 1 soap holder, clothes pins, clothes line, wringer, an iron and stand and various soaps and washing compounds. The game appeals strongly to little girls who are thus able to wash the dolls' clothes. It is the best article of the kind made. Size of box 13¼x8 inches. Each in box **21.00**

Each

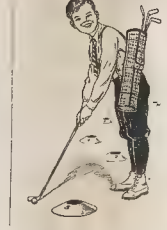
N27632 BIG SUNNY MONDAY WASHING SET—This new edition of Sunny Monday comes equipped with fittings sufficient in size for the requirement of any child. The outfit comes packed in a box 13¼ inches square. All the large wooden parts are finished in white. Table top Chinese Red; gilt ornaments. The set is very complete. Each in box..... **4.00**

TOY GOLF OUTFIT

Per doz.

N27731—TOY GOLF OUTFIT—Miniature equipment for playing golf. Consists of one golf bag, 3 clubs, 1 folding lawn and two balls, each in box..... **17.60**

TOY GOLF OUTFIT



Each

N27732—INDOOR AND OUTDOOR GOLF OUTFIT—Golf equipment in miniature. Consists of small golf bag, 3 clubs, 27 inches long, two balls and 6 metal "holes." Assembled in Lithographed box, size 22x9¼..... **2.75**

Lotto

Per doz.

N27625—LOTTO—A good low priced edition. Contains 8 cards and 48 wood counters. Lithographed label Size 13x8¾ inches. Twelve in package, not broken..... **1.60**

Per doz.

N27626—LOTTO—A regular priced edition. Full set of round counters, 24 cards, and glass markers. Size 6x8¾. Six in a package, not broken..... **4.80**

N27627—LOTTO—A good trunk style in wood frame box, containing 24 cards, 96 wooden counters, glass markers, and wood dobbers. Size 8¾x14¼ inches. ¼ dozen in package, not broken..... **9.00**

Per doz.

N27628—LOTTO—Wood frame box made in shape of small trunk. Contains 24 cards, wood counters, 24 cards, wood counters and glass markers. Size 14x8 inches. Packed each in package..... **13.00**

N27629—LOTTO—An excellent set, contains 24 cards, wood counters, glass markers, and wood dobs in three colors for playing Lotto. Fuel Wood frame box, with hinged cover, and lithographed label. Size 9½x13½ inches. Packed each in package..... **8.00**

Fish Ponds

N27642—FISH POND—A low priced edition, containing eight fish, two poles and lines. Lithographed fiddle paper and label. Size 8¾x13¾ inches. Packed six in package. Per doz..... **3.84**

N27643—FISH POND—Twenty-two fish, two poles, box made with built-up tray, with slots to which to place the fish. Size 8¾x13¾ inches. Packed 24 to dozen in package, not broken. Per doz..... **8.00**

N27681—WHIRLPOOL FISH GAME—A mechanical spring motor propels the fish. Fish are put in the fish as inserted. The idea is to try to hook the fish while they are in motion. Fish poles with hooks are also furnished. Each in box..... **3.60**

Per doz.

N27844—FISH POND—Extra large. Contains 46 cardboard fish, four poles with lines and hooks; box made with built-up tray Size 12x20¾ inches. Packed one in a package..... **16.80**

Per doz.

N27845—MAGNETIC FISH POND—A very good edition, containing lithographed cardboard well, 2 poles with string and magnet, 2 fish. Lithographed label Size 9¼x13¾ inches Packed ¼ dozen in package, not broken..... **8.60**

Lotto

Per doz.

N27737—U. S. GEOGRAPHICAL LOTTO—Game uses 27 cards, each card representing a section of the United States showing 10 cities; 240 small lotto cards are used. 27 cards bear the name of one of the cities, and 13 blanks in box, size 6x8¾ inches..... **8.00**

Per doz.

N28370—ALPHABETICAL LOTTO—Consists of 10 large game cards, each 8¾x13¾ inches, printed on heavy cardboard, 130 cards in all—200 letter checks. Size 12¾x8¾x1¾ inches..... **7.92**

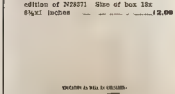
N28372—ALPHABETICAL LOTTO—Consists of 10 large game cards, each 8¾x13¾ inches, printed in 10 subjects in all—200 letter checks. In box, size 12¾x8¾x2¼ inches..... **12.00**

Lotto

Per doz.

N28371—NUMERAL LOTTO—Consists of 10 large game cards, assorted colors, printed on both sides, 40 distinct games in Addition, Subtraction, Multiplication, and Division. 240 Numeral Checks, etc. Put up in beautifully lithographed box. Size 12¾x8¾x2¼ inches..... **7.92**

N28376—NUMERAL LOTTO—Larger edition of N28371. Size of box 18x 8¾x1 inches..... **12.00**



Per doz.

N28372—PICTORIAL LOTTO—Consists of 10 large game cards, assorted colors, printed on both sides, 40 distinct games in Addition, Subtraction Multiplication, and Division—240 numeral checks, etc. Put up in beautifully Lithographed box. Size 12¾x8¾x2¼ inches..... **7.92**

N28375—PICTORIAL LOTTO—Larger edition of N28372. Size of box 18x8¾x2¼ inches..... **12.00**

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

Clocks

One Day Clocks

0600—PUNTA—Height, 2¼ inches; width, 4 inches; dial, 2 inches; case, mahogany finish; movement, 1-day timepiece ..... Each 3.20

0613—IDEAL—Height, 4¾ inches; width 3¾ inches. 1 inch porcelain dial, beveled glass; dull mahogany finish; hand rubbed case, one day time movement ..... Each 5.04

0618—ARGOS—Height, 4 inches; width, 6 inches; 2 inch porcelain dial, metal case finished in rose gold, bronze or silver, movement, 1-day timepiece ..... Each 5.86

0610—INDEE—1-day time; height, 3¾ inches; width, 2¾ inches; dial, 2 inches; case, solid brass, finished in nickel, old brass or copper ..... Each 3.20

0614—IDA—Height, 3½ inches; width 2⅝ inches; 2 inch porcelain dial, beveled glass, dull mahogany finish, hand rubbed case, one-day timepiece ..... Each 5.28

0620—PRESTO—Height, 3¾ inches, width, 6 inches, dial, 3 inches, case, mahogany finish; movement, 1-day, intermittent alarm ..... Each 6.24

0612—ZETUS—Height, 3¼ inches; width, 3¼ inches; 2 inch porcelain dial; metal case finished in old brass or bronze, movement, 1-day time ..... Each 3.04

0616—ION—Height 4 inches; width, 3 inches 2 inch porcelain dial beveled glass; dull mahogany finish, hand rubbed case, 1-day timepiece ..... Each 5.86

0617—The above clock fitted with white radium dial as illustrated 7.66

0621—GREELEY ALARM—Height, 4½ inches, width, 3¾ inches; 1¾ inch white dial; 1-day intermittent alarm which rings every 20 seconds for 5 minutes, has silent switch, cases are hand rubbed, dull mahogany finish ..... Each 8.46

Eight Day Clocks

0622—ADEN—Height, 4¼ inches, width, 3 inches; dial, porcelain, 2¼ inches; finish, French bronze, old brass and rose gold; movement, 8-day timepiece ..... Each 9.20

0625—TAMBOUR No. 5—Height, 9 inches, width, 12 inches, dial, convex glass, 6 inches, case, mahogany finish, movement 8-day half hour strike, cathedral gong ..... Each 14.74

0628—TAMBOUR No. 62—Height, 9¼ inches; width, 14 inches; dial, convex glass, 6 inches; case, mahogany finish; movement, 8-day half hour strike, cathedral gong ..... Each 16.16

0623—CORNING—Height, 8¾ inches; width, 9¾ inches; dial, 6 inches; case, solid oak or mahogany finish, movement, 8-day half hour strike; cathedral gong ..... Each 10.46

0626—TAMBOUR No. 60—Height, 9 inches, width, 12 inches, dial, convex glass, 6 inches, case, mahogany finish, movement, 8-day half hour strike, cathedral gong ..... Each 14.74

0629—TAMBOUR No. 13—Height, 8¼ inches; width 10¾ inches; movement, 8-day half-hour strike, cathedral gong; polished plate; dial, silver finish, 4 inches cut seat, beveled convex glass ..$7.90

0624—ALSTON—8-day half hour strike; cathedral gong; height, 10¾ inches; width, 8¾ inches, 6 inch metal dial, bowed glass; mahogany finish or golden oak ..... Each 16.56

0627—AUTHOR—8-day half hour strike, cathedral gong; height, 9 inches, width, 14¾ inches; 6 inch metal dial bowed glass, mahogany finish or golden oak ..... Each 19.50

0630—TAMBOUR No. 19—Height, 9 inches, width, 15 inches, movement, tank and gong, 8-day half hour strike, cathedral gong; plates and wheels polished; dial, porcelain, 3 inches cast seat; beveled convex glass; solid mahogany case ..$42.70

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

One Day Alarm Clocks

C190 C194

Each

C190—Height, 6¼ inches; width, 4¼ inches; dial, 4 inches. Case, seamless brass, nickel plated. A very reliable alarm clock..... 1.66

C195—SLUMBER STOPPER—Height, 5¾ inches; width, 4¼ inches; dial, 3½ inches, convex glass. Case nickel plated. Has silent switch on top. A very neat and popular pattern of the higher grade alarm clock 2.90

C192 C194-204

Each

C192—TATTOO—Intermittent. Height, 5¼ inches; width, 4¼ inches, dial, 4½ inches. Is the pioneer of all intermittents. Case, seamless brass, rolled front, nickel plated. 4-inch bell metal gong on back. Alarm rings and stops in 20 second intervals for 4 minutes unless the short set switch is turned to silent..... 3.70

C194—JUNIOR TATTOO—Height 3 inches, width 2¾ inches, dial 2 inches; case 2¾ inches wide, seamless brass. Knurled front with a 2-inch bell metal gong on back, nickel plated finish; one-day alarm rings intermittently every 20 seconds for 4 minutes, fitted with an "alarm" or "silent" switch 4.32

C204—JUNIOR TATTOO—Full radium..... 5.88

C206

Each

C206—TYPHOON ALARM—One-day alarm movement. Rings intermittently every 20 seconds for 15 minutes, has silent switch on top. 4½-inch seamless brass case, nickel plated finish with metal gong on back, 4¼-inch dial with bevel glass; height, 5¾ inches..... 4 06

C202 C203

Each

C202—THE CONQUEROR ALARM—Nickel plated case, 4¼ inches, seamless brass, 3-inch metal gong on back, one-day alarm, intermittent alarm, ringing at intervals of 20 seconds for 10 minutes, with a continuous alarm for a period of about 6 minutes, can be changed to either by switch, also has silent switch, height 7½ inches, width 5¼ inches, diameter of dial 4¼ inches..... 4.78

C203—BROWNIE—Intermittent Alarm. Alarm rings for 5 minutes intermittently in 20-second intervals. Height, 4 inches; width, 3¾ inches, dial, 2¾ inches. Seamless brass, nickel plated..... 4.70

One-Day Alarm

C205 C188

Each

C205—SLUMBER STOPPER—Full Radium Black Dial One-day alarm. Height, 5¾ inches; width, 4¼ inches; dial, 3½ inches. Case, nickel plated. Has silent switch on top. A very neat and popular pattern of the higher grade alarm clock..... 4.46

C198—AUTOMATIC 8-DAY ALARM—Runs and alarms for 8 days with one winding. Height, 7¾ inches; width, 5¼ inches. Arabic figured, 4¾ inches. Case nickel, seamless brass, heavily nickel plated. The alarm is loud and clear tonal. It rings until it is stopped. Has plunger 8-day automatic alarm..... 7 84

Eight-Day Alarm

C207

Each

C207—SIGNAL AUTOMATIC—Full Radium Black Dial. Runs and alarms eight days. Requires no night attention. The alarm is a loud, lusty "zeit" to ring every 24 instead of 12 hours. Height, 6¾ inches; width, 5 inches, dial, 4¾ inches. Heavy roll rust. Seamless brass case, finely nickel plated. 4¼-inch bell with spewing for silent-ing hammer. This clock is the result of years of constant improvement in clock making. It has a number of special features in connection with the 8-day alarm, it is the most efficient alarm clock ever made..... 10.82

Library and School-Room Clocks

C610

WOOD LEVER WALL CLOCK—Polished in solid golden oak or mahogany. Movement is an 8-day timepiece, lever (no pendulum), and the clock does not have to hang level, but will run in any position.

Each

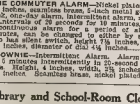
C600—8-inch Arabic figured dial..... 11 42

C600½—12-inch Arabic figured dial..... 13 92

C602

Each

C602—DROP OCTAGON—Height, 22 inches; width, 14 inches, 10-inch Arabic dial, eight-day pendulum movement timepiece. Solid oak or mahogany case..... 12.10



C603

Each

C603—BALCONY—Height, 18 inches; width, 16 inches; 12-inch Arabic dial. Fitted with reliable 8-day pendulum time movement. Solid oak or mahogany case..... 15 36

C604 C605

Each

C604—REFEREE—Height, 33½ inches, width, 16 inches, dial, 12 inches. Eight day pendulum time movement. Case, solid oak or mahogany..... 18.36

C605—BANJO—Height, 33½ inches, width, 18½ inches, 12-inch dial, with a reliable pendulum movement. Solid golden oak case. Eight-day time..... 14 64

C618 C607

Each

C606—MIRADA—Height, 28¾ inches; width, 12 inches, dial, silver finish, 8 inches. Case, mahogany finish, beveled glass. Movement, 8-day half-hour strike, cathedral gong..... 27.24

C607—WARING—Height, 33 inches, width, 11½ inches, 8-inch silver finish dial. Case, mahogany finish. Decorated glass panels. Movement, 8-day half-hour strike cathedral gong..... 23.50

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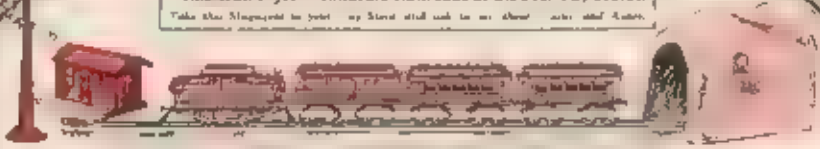
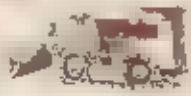
Stop for Water

Danger!

A full line of both electrically and mechanically operated American Flyer Miniature Railroads at the best Toy Stores.

Take this Magazine to your Toy Store and ask to see these and other Auto and Autos.





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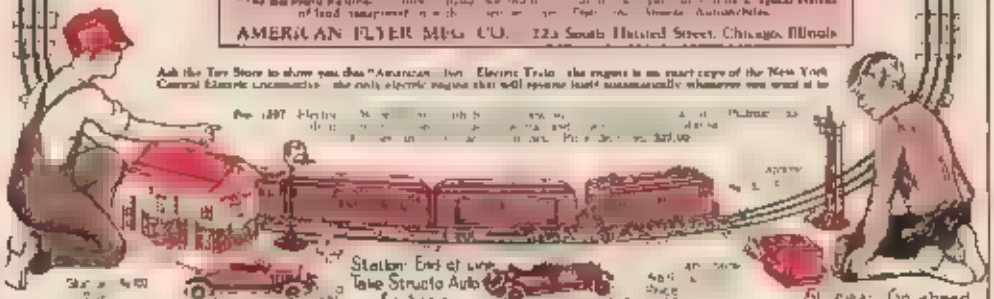
Ask the Toy Store to show you the "American Flyer" Electric Train—the engine is an exact copy of the New York Central Electric Locomotive—the only electric engine that will reverse itself automatically whenever you want it to.



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Take Structo Auto
for home

All aboard! Go ahead.

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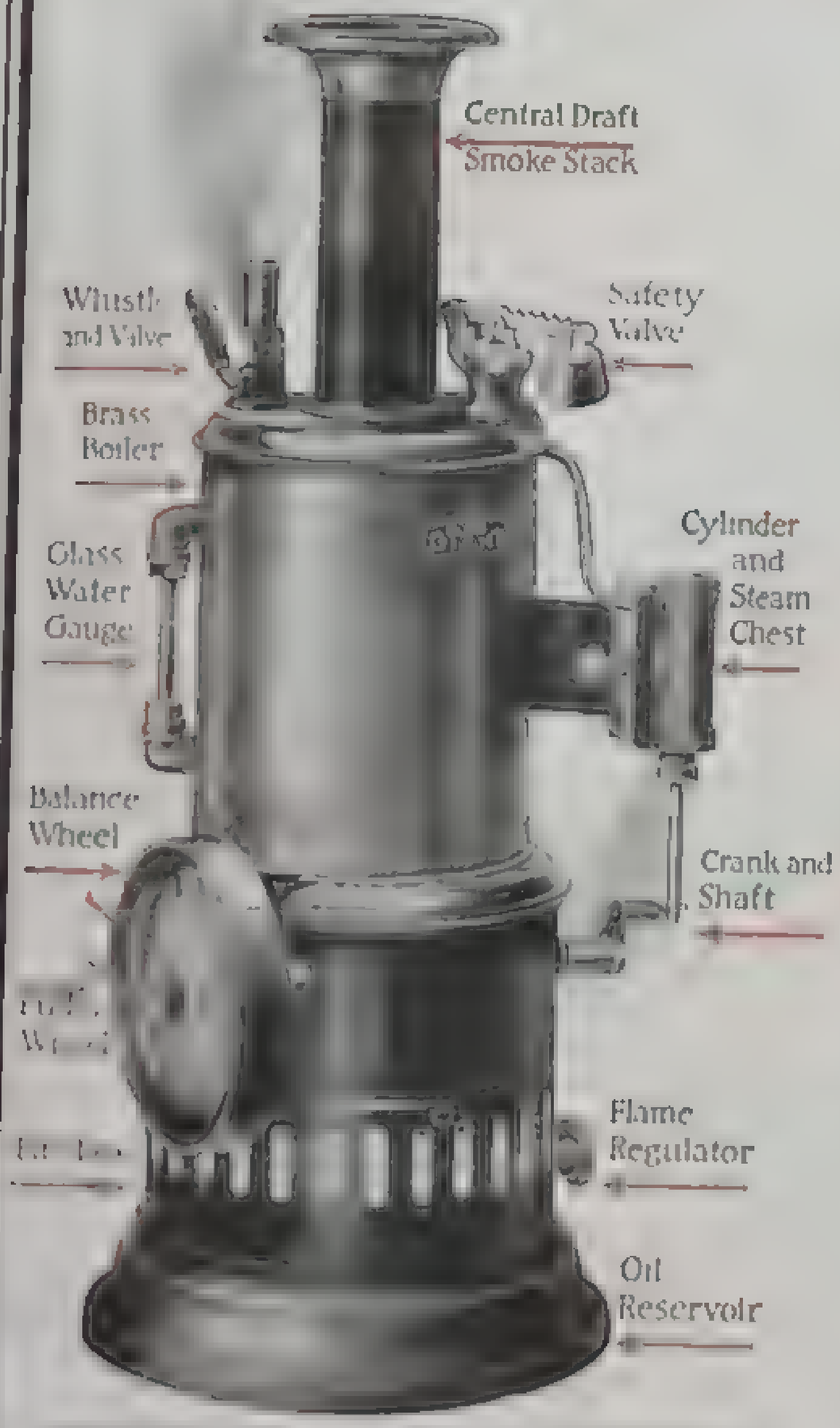
Ordinary Kerosene Used as Fuel



For Young Engineers

EVERY young engineer ought to own one of these superb engines. It will not only afford hours of pleasure, but in many [illegible] will develop a taste for mechanical work and engineering [illegible] is designed for running toy machinery at a high rate of [illegible], such as machine shops, mills, forges, etc., can easily be made by the boys. They will thus enjoy both the making and the running of their plant. Power can be transmitted to the machine shop or mill through an attached pulley wheel, with a cord for a belt.

Runs Toy Machinery

BOYS, just think of the fun you can have running this engine [illegible] toy machinery for it! There will be no dull times, even on stormy days, if you have a "Big Giant" in the house. When steam is up the "Big Giant" will develop horse power sufficient to run the buzz saw described on this page and many of the Meccano models, as well as the toy machinery you can make. The engine will also supply steam for a shrill blast of the whistle whenever the engineer so desires. Besides the fun you can have in this way, you will learn many things about steam power and machinery that may help you later in life.

DESCRIPTION

The illustration does not show the full size of the engine. It stands eleven inches [illegible] inches in that and [illegible] is full speed [illegible]. It has a safety valve, [illegible] gauge that will always indicate the exact [illegible] a large balance wheel and other necessary [illegible] for toy machinery now on the [illegible]. The following important [illegible] The boiler is now [illegible], the water gauge; brass whistle base [illegible] finely finished, free from danger of [illegible] for boys offered.

How to get a "Big Giant" Engine

Ask [illegible] to give you his subscription for The [illegible] one year. Send the address to us with the subscription price and 5 cents extra and we will present you with the "Big Giant" steam engine. The subscription must be one that has not been upon our books during the past year, and it cannot be your own. The subscription price is $2.50.

[illegible] will be sent pleased to pay them for getting new subscriptions. When you have got the "Big Giant" steam engine it $2.75.

Young engineers always find the "Big Giant" interesting.

SPECIAL OFFER *Buzz Saw*

This toy (not illustrated) is made of metal throughout, japanned in an attractive color, is strong and durable, and is operated by extending a cord from its pulley wheel to the pulley wheel of the engine.

HOW TO GET IT. [illegible] extra we will include the buzz saw with the "Big Giant" steam engine, when ordered as a premium. [illegible] the buzz saw [illegible] the Engine.

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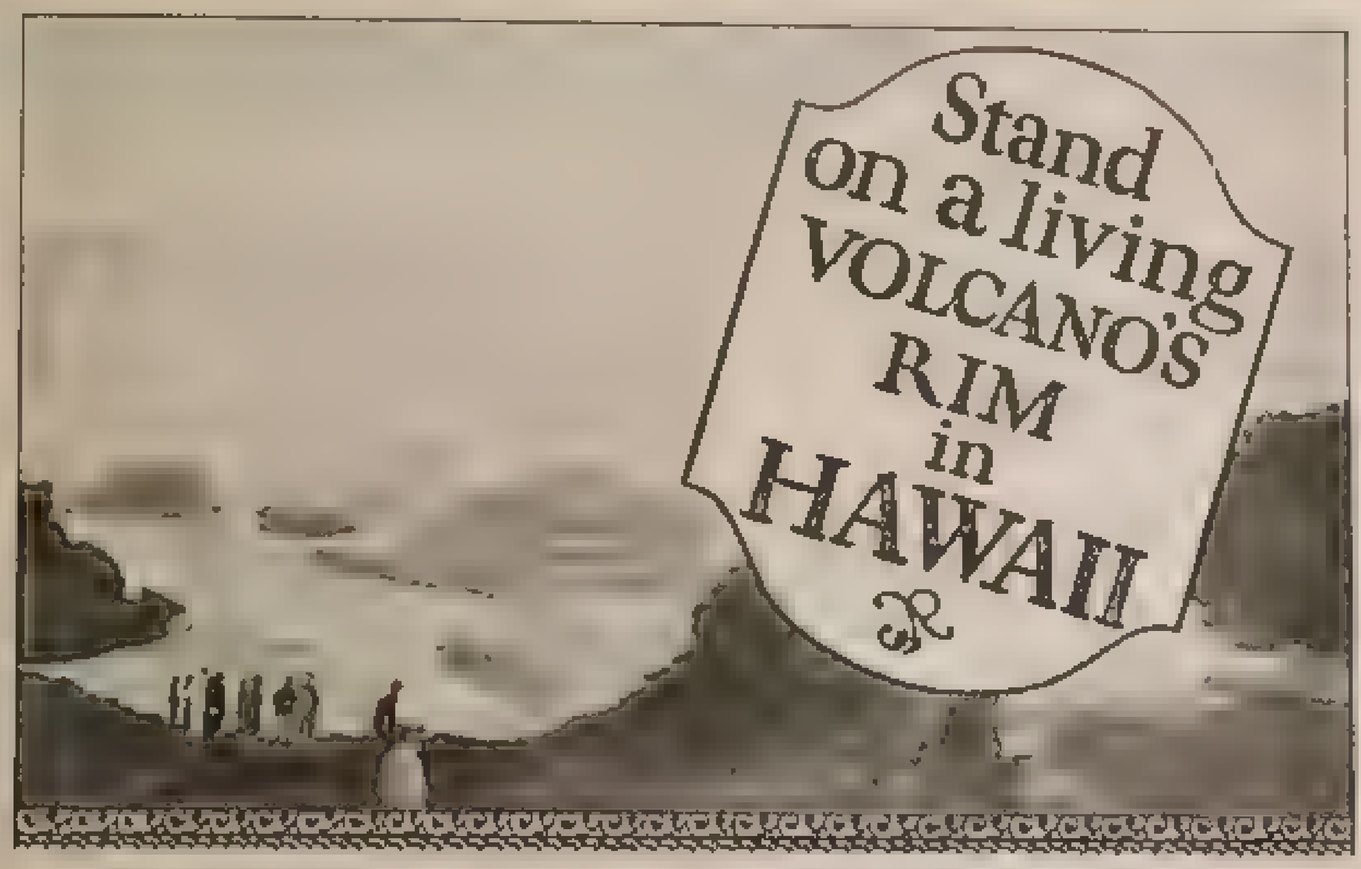

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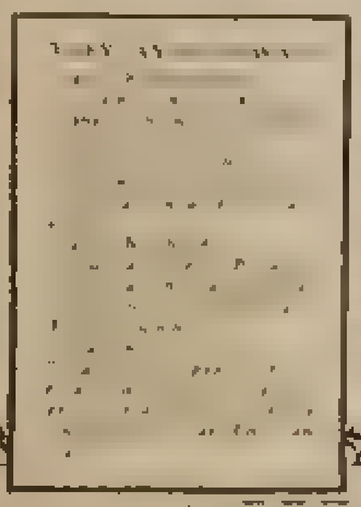

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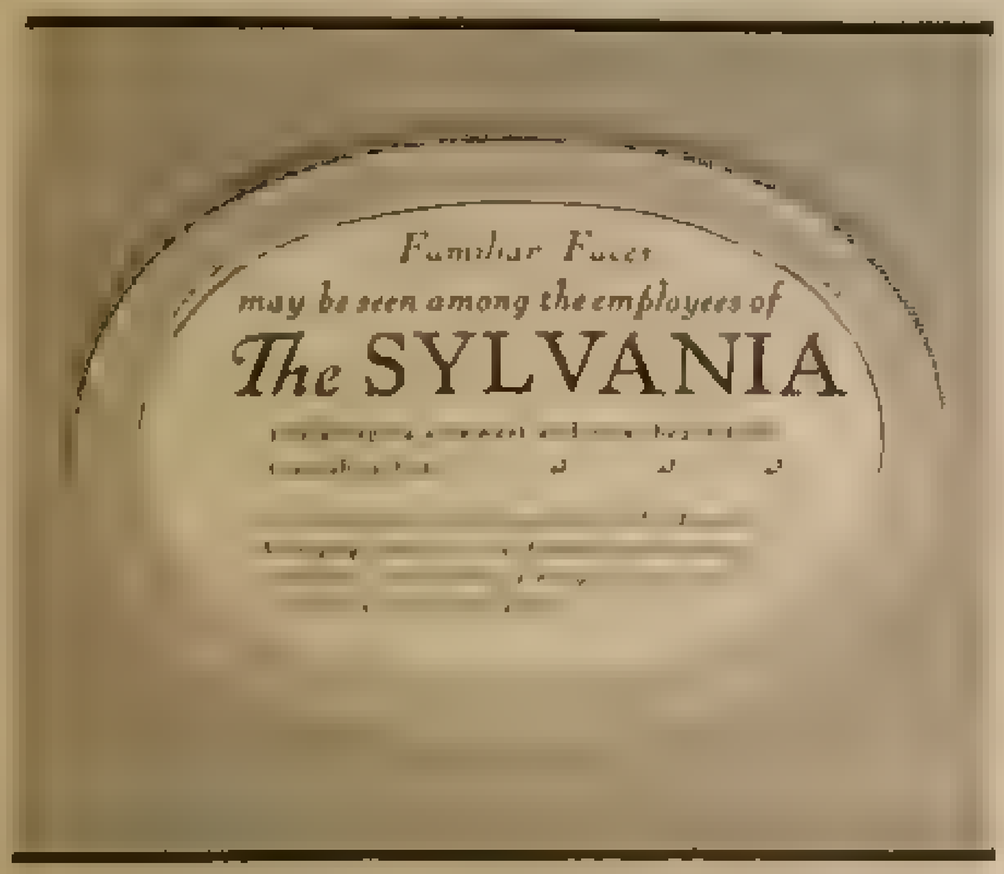

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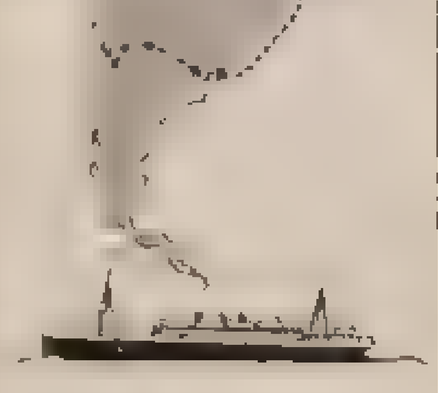

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LIONEL ELECTRIC TOY TRAINS
& Multivolt Transformers

WELL FORTIFIED

CREAM
OF
WHEAT
High in energy
Easily Digested
WELL FORTIFIED

Give Thanks This Day
Goode People for
Cream
of Wheat
And For The health
And happiness That
Come With Eating It
Thanksgiving.

Give Thanks This Day
Cream of Wheat
And For The Health
Come With Eating It

WHEEL GOODS

MODERATE IN PRICE

NUMEROUS ORIGINAL IDEAS

SEND US A SAMPLE ORDER - NO RISK

SHAPLEIGH HARDWARE CO.

ESTABLISHED 1843

ST. LOUIS, U. S. A.

June 9 1923

For Class Use Only

The COUNTRY GENTLEMAN

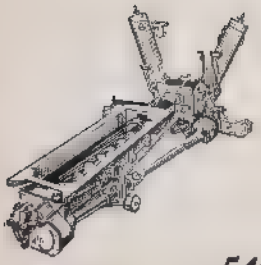
For the AMERICAN FARM AND ITS FAMILY

THE NEGRO MOVES NORTH—By E. V. Wilcox

Partial reproduction of a double-page advertisement announcing installation of our 5000th Stoker on Erie Railroad locomotive No. 3160, included in same order as the one below.

40 NEW ERIE MIKADOS DUPLEX STOKER-FIRED

ON THE Erie Railroad, Duplex Stokers are firing the entire lot of 40 new Mikado locomotives recently built and placed in service.



One of these locomotives, No. 3160, has received prominent mention as that on which the 5000th Stoker produced and sold by us in the last ten years, was installed.

Over 100 of our Stokers are giving satisfactory service on Erie freight locomotives. In addition to this, 31 Erie passenger engines (Pacific type) are Duplex Stoker-fired.

5400 of our Stokers in Service on 79 Railroads

-"because the Promise has been Performed"

LOCOMOTIVE STOKER COMPANY

Main Office and Works: Pittsburgh, Pa.

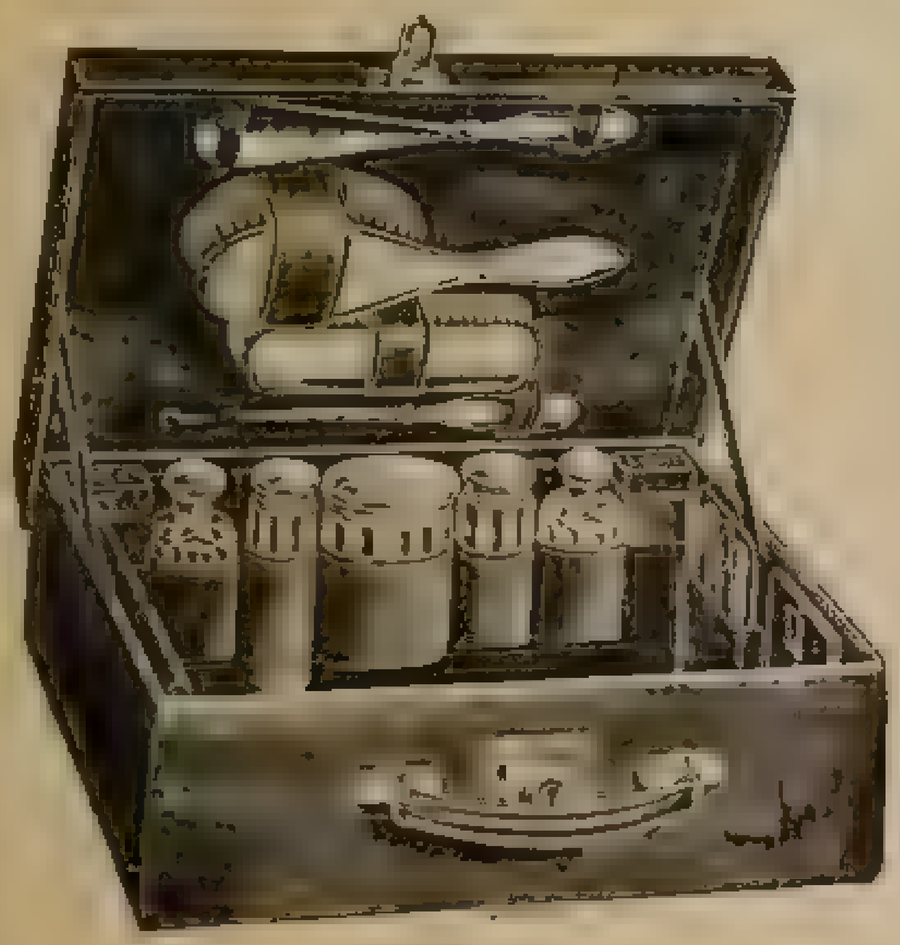
50 Church Street
NEW YORK

Munsey Bldg.
WASHINGTON

Railway Exchange Bldg.
CHICAGO

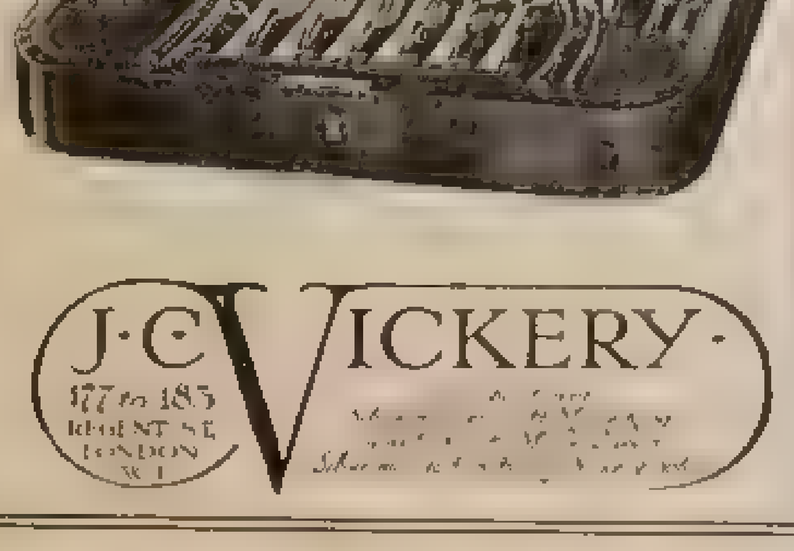
When I became a man, I put away childish things."

American Visitors to London are Cordially Invited to Call at Vickery's—The Finest Collection of Novelties in Europe.
Highest Quality. Moderate Prices.



A Vickery Dark Brown Morocco Dressing Case for a Lady [illegible]

$125



$50

J·C VICKERY
177 to 183
REGENT ST
LONDON
W. 1

The NEW MONTEREY
NORTH ASBURY PARK, N. J.
Directly on the Ocean
The Resort Hotel Pre-Eminent
American Plan Capacity 700 Now Open

ELYSEE
EAST 56TH ST
THE IDEAL RESTAURANT
MAX A. HAERING PRES.
C.E. FRANCATELLI TREAS.
TEL PLAZA 0191-0192-0865

A Home and Income
For You in Sunny Florida

Be Independent—Own a Grapefruit and Orange Grove—A Truck or Poultry Farm. Increase Your Income

You Can Start a Grove Today Under Our New Plan

Develop a profit-earning fruit farm without leaving your present position—provide for your future. A small payment now and a few dollars invested each month

A profit-producing fruit grove is a permanent investment and provides protection against old age.

THE RIGHT LAND
IN THE RIGHT LOCATION AT
THE RIGHT PRICE

We Have It—Any Size Farm

These splendid lands are suburban to Tampa, the metropolis of South Florida. Here you find the most healthful, the most delightful climate in North America. For ten years we have been right here helping develop Hillsboro—the banner agricultural County of Florida, and we are still here to serve you and to help you obtain the farm you want, on very easy payments extending over 2 or 3 years' time to suit.

Groves Developed for Non-Residents

If you want to remain in your present position for a few years we can develop a grapefruit and orange grove for you. When you are ready we will clear your land, furnish fruit trees, plant and care for your grove until you are ready to look after it.

We Raise Our Own Guaranteed Citrus Trees in Our Own Nurseries

This insures every purchaser the best fruit trees that can be grown. This also insures a successful grove. We can save you money on planting and caring for your grove.

$300.00 to $500.00 Per Acre Profit

This is not an unusual return for truck farmers in the Famous Tampa district. All kinds of vegetables can be grown. Big prices are paid for early potatoes, Winter cabbage, Bermuda onions, tomatoes, celery and dozens of other vegetables during the Winter and early Spring when the north is covered with ice and snow. Strawberries, Melons, and other small fruits also yield large profits.

Write for Facts About Sunny Florida

IT COSTS YOU NOTHING TO LET US PROVE TO YOU that we have the land you want—in the location you want—at a price you can afford to pay and on the easiest terms you can imagine. Let us show you.

Fill out and mail us the coupon today and receive our large descriptive book FREE!

NORTH TAMPA LAND CO.

Suite 510 Monon Bldg. CHICAGO

Coupon for FREE Book on Florida

NORTH TAMPA LAND CO.
Suite 510 Monon Bldg., CHICAGO

Please send me your large illustrated Book, "The Call of the Southland," on choice Citrus Fruit and Truck Farms suburban to Tampa, Florida, and information on how I can have a grove developed on the monthly payment plan. P.M 2-23

Name

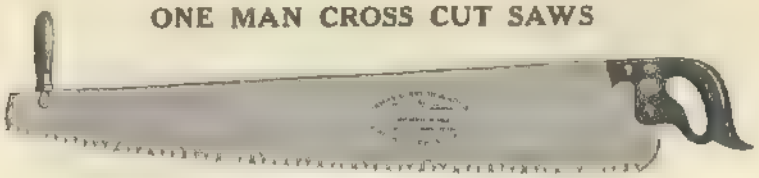
St. No

City

State

ALBANY HARDWARE & IRON CO.

ONE MAN CROSS CUT SAWS



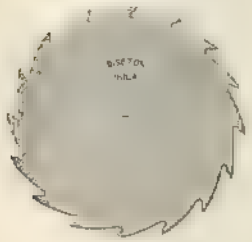
No. 2 Champion Tooth, With Supplementary Handle

Length, feet	3	3½	4	4½	5
Width at butt, inches	6¾	7	7¼	7½	7⅝
Packed in bundle	3	3	3	3	3
Weight, pounds	11½	13¾	16	19½	23
Each	$3.60	4.20	4.80	5.40	6.00

No. 2 Lance Perforated Tooth, With Supplementary Handle

Length, feet	3	3½	4
Width at butt, inches	7⅜	7½	7⅝
Packed in bundle	3	3	3
Weight, pounds	12	14¼	17½
Each	$4.05	4.75	6.00

CIRCULAR SAWS



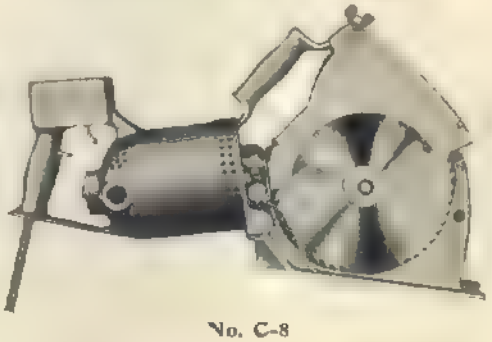
Disston

Extra quality, patent ground and tempered. Solid tooth.

Owing to the variety of diameters and gauges these saws are for Factory Shipment.

Diam	Thickness	Hole	Each	Extra for Each Gauge Heavier
6 in	18 ga.	¾ in.	$3.30	.07
8 in	18 ga.	⅞ in.	4.40	.10
10 in	16 ga.	1 in.	5.60	.20
12 in	15 ga.	1 in.	7.00	.30
14 in.	14 ga.	1⅛ in.	8.50	.40
16 in	14 ga.	1⅛ in.	10.50	.50
18 in	13 ga.	1¼ in.	12.50	.60
20 in	13 ga.	1⅛ in.	15.00	.75
22 in	12 ga.	1⅛ in.	17.50	.90
24 in	11 ga.	1⅛ in.	20.50	1.05
26 in	11 ga.	1⅜ in.	24.00	1.25
28 in	10 ga.	1½ in.	28.00	1.50
30 in	10 ga.	1½ in.	32.00	1.75
32 in.	10 ga.	1⅝ in.	36.50	2.00
34 in.	9 ga.	1⅝ in.	41.00	2.25
36 in	9 ga.	1⅝ in.	47.00	2.60

ELECTRIC SAFETY SAWS



No. C-8

Operated by pressing trigger switch, releasing same stops flow of current.

Aluminum body. Every part interchangeable. Heavy duty ball bearings throughout. 110 or 220 volt universal motor. Extension cord and plug for standard sockets.

Thumb screw at top of safety guard permits adjustments for cutting depths.

Cross-cut, rip, or combination cross-cut and rip blade must be specified.

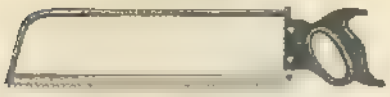
No. A-6 has only one handle.

No.	Blade	Cuts	Weight	Each
C-6	6 in.	0 to 1½ in.	11 lbs.	$145.00
C-8	8 in.	0 to 2½ in.	20 lbs.	160.00
C-12	12 in.	0 to 4¼ in.	30 lbs.	230.00

Weights are of saws only, box not included

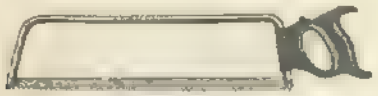
Nos. C-6 and C-12 for factory shipment

KITCHEN SAWS



No. 0 Standard

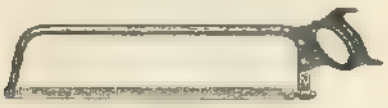
No.	Back	Blade	Packed	Weight Per Doz.	
0	⅜ in. round	12 x ¾ in.	½ doz.	5 lbs.	$8.00
0	⅜ in. round	14 x ¾ in.	½ doz.	5½ lbs.	8.40
0	⅜ in. round	16 x ¾ in.	½ doz.	6 lbs.	9.00



No. 1000 Economy

No.	Back	Blade	Packed	Weight Per Doz.	
1000	½ x ¼ in. oval	12 x ¾ in.	½ doz.	4¾ lbs.	$7.80
1000	⅝ x ¼ in. oval	14 x ¾ in.	½ doz.	5 lbs.	8.25
1000	½ x ¼ in. oval	16 x ¾ in.	½ doz.	5½ lbs.	8.50

BUTCHER'S SAWS



No. 1 Disston

No.	Back	Blade	Packed	Weight Per Doz.	
1	¾ x ⅜ in. oval	20 x 1¼ in.	⅓ doz.	11 lbs.	$34.00
1	¾ x ⅜ in. oval	22 x 1¼ in.	⅓ doz.	11 lbs.	34.50
1	¾ x ⅜ in. oval	24 x 1¼ in.	⅓ doz.	11 lbs.	36.60

No. 7 Disston

No.	Back	Blade	Packed	Weight Per Doz.	
7	1 x ¼ in.	20 x ⅝ in.	⅓ doz.	11⅓ lbs.	$31.68
7	1 x ¼ in.	22 x ⅝ in.	⅓ doz.	12¼ lbs.	32.70

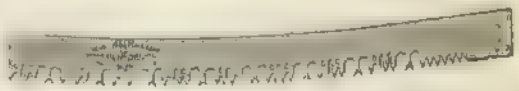
No. 15 Disston

No.	Back	Blade	Packed	Weight Per Doz.	
15	⅜ x ¼ in.	18 x 1 in.	⅓ doz.	8¾ lbs.	$30.75
15	⅜ x ¼ in.	20 x 1 in.	⅓ doz.	9¾ lbs.	31.60
15	⅜ x ¼ in.	22 x 1 in.	⅓ doz.	10¾ lbs.	32.70
15	⅜ x ¼ in.	24 x 1 in.	⅓ doz.	12 lbs.	34.60

CROSS CUT SAWS

No. 286 Triumph Champion Tooth Narrow Back

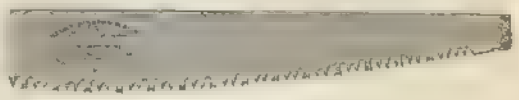
Length, feet	4½	5	5½	6
Center width, inches	3¼	3½	3½	3¼
Weight, pounds	2¾	3½	4	4½
Each	$3.00	3.30	3.70	3.90



No. 492 Triumph Lance Perforated Tooth Narrow Back

Two gauges thinner on back than on tooth edge

Length, feet	5	5½	6
Center width, inches	3¼	3¾	3¾
Weight, pounds	4	4½	5
Each	$4.50	4.88	5.25



No. 1 Champion Tooth Wide Back

Four gauges thinner on back than on tooth edge

Length, feet	5	5½	6
Center width, inches	7	7¼	7½
Weight, pounds	5	6½	7
Each	$5.75	6.30	6.90

No. 1 "V" or Tenon Tooth Wide Back

Four gauges thinner on back than on tooth edge
Length 5½ ft., center width 7 in., weight 6¼ lbs.
... each, $6.15

No. 450 "Caribou" Straight Back, For Felling and Buck Sawing

Four gauges thinner on back than on tooth edge
Length 5½ ft., center width 5 in., weight 4¾ lbs.
..... each, $9.00

No. 489 "Oriole" Wide Back

Five gauges thinner on back than on tooth edge
Length 5½ ft., center width 6½ in., weight 5⅝ lbs.
..... each, $9.00

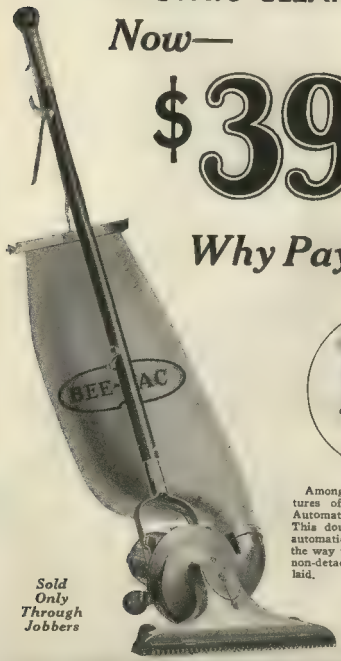
BEE-VAC

ELECTRIC CLEANER

Now—

$39.75

Why Pay More?



Among the many exclusive features of the BEE-VAC is its Automatic Swing-Back Brush. This double, self-cleaning brush automatically swings back out of the way when not needed. Being non-detachable, it cannot be mislaid.

Sold Only Through Jobbers

Ask Your Jobber

for his frank opinion of the new and improved BEE-VAC. Chances are he'll tell you that he sells more BEE-VACS than any other high-grade cleaner. Jobbers everywhere are recommending the BEE-VAC as the greatest money-making opportunity in years.

At the new low price of only $39.75, the BEE-VAC has met with an enthusiastic reception from dealers and users alike. Our series of full-page advertisements in the Saturday Evening Post brought us an avalanche of orders. Now that the high quality and moderate price of the BEE-VAC is firmly established in the public mind, an even greater volume of business should result.

Begin to Cash In Now

With the BEE-VAC on your floor you are prepared to meet every form of competition. In appearance, durability and cleaning efficiency, it is the equal of cleaners costing $10.00 to $25.00 more. Begin now to get your share of the big profits that this cleaner is producing for wide-awake dealers. A single demonstration of the BEE-VAC will convince any thinking person that it is useless to pay more when you can't buy more.

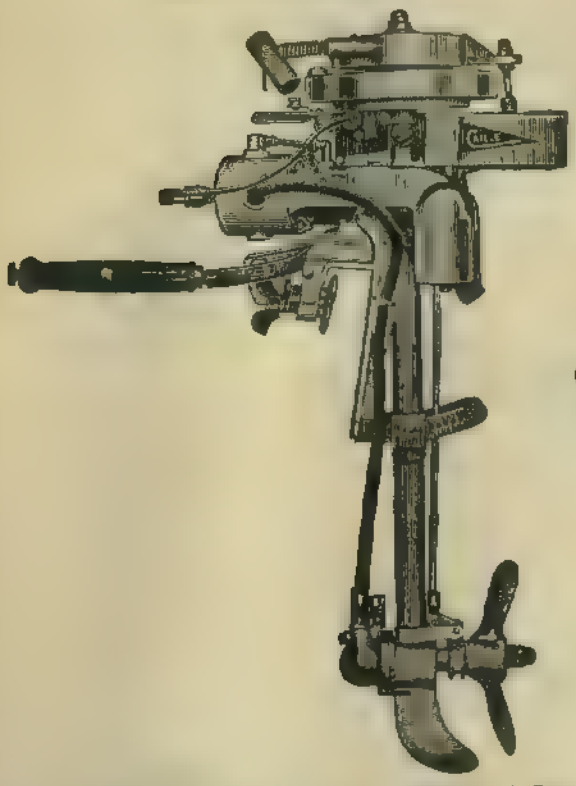
Your jobber carries the BEE-VAC. He is prepared to quote discounts that permit of big profits and make immediate deliveries. Write or wire him—today!

BIRTMAN ELECTRIC COMPANY
Dept. B-43
Lake and Desplaines Streets Chicago

Say you saw it in GOOD HARDWARE

ROWBOAT MOTORS

CAILLE FIVE-SPEED



This is the only Motor built with a five speed Control; 2 speeds ahead; a trolling speed and a full speed at which the ordinary rowboat will be driven at about 8 miles per hour. A slow reverse is furnished together with full reverse. In neutral position, the motor runs idle while the boat lies still. This is the only motor equipped with neutral position. Can be reversed immediately without first going into a speed ahead. Equipped with mechanical starter. The starting device is furnished only with the 5 Speed Models. The extension shaft and adjustable horn permits adapting the motor to a high stern boat or to a boat with the stern cut at an acute angle.

Can be used in either fresh or salt water without any change in equipment. Parts are machined to measurements or limitations of thousandths of an inch according to S. A. E. Standard. A Cord is attached to each motor, requesting the ultimate purchaser to return the cord to the factory to register the motor so that they have on file the name and address of the owner of every motor, each motor being identified by the serial number. Each motor is fully guaranteed by the manufacturers.

SPECIFICATIONS

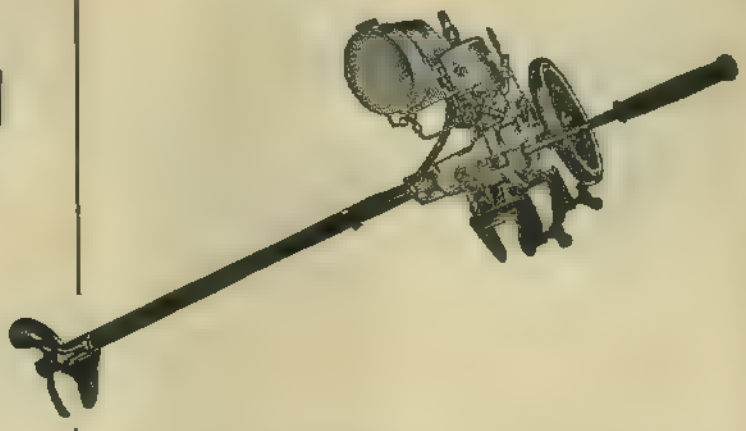
Bore 2⅜ in., Stroke 2½ in., 750 R. P. M., 2 H. P.
Propeller 9½ in. diamter, 12 in. pitch.
Built-in Flywheel Magneto.
Weight each 85 lbs.
Weight packed for shipment 105 lbs.

No. T7640—No starter with Magneto Ignition, each $198.00

T7641—With starter Magneto Ignition only $234.00

ONE IN A CASE

CAILLE LIBERTY DRIVE



This is the only genuine tilting motor on the market. Will tilt automatically when passing over shoals, shallows or sunken obstructions. A strut or skeg protects the propeller from damage. The motor may be tilted by pressing down on the steering handle or tiller. Equipped with a weedless propeller. Weeds may wrap around propeller or shaft and can be quickly thrown off by tilting the motor and allow the propeller to revolve free of water for a few seconds. Equipped with knapsack form of fuel tank which is practically indestructible. Machined as carefully as the 5 Speed model. Not equipped with starting device. These motors will drive a boat faster than others due to direct drive from Crank shaft to propeller without passing power thru the medium of gears. Will give a speed of 2 to 9 miles per hour in a 16 ft. rowboat in quiet water. Furnished with battery or magneto ignition. Equipped with conventional type of Berling Magneto. This motor is fitted with bracket for square stern, adjustable bracket for pointed stern may be had on special order at an additional charge.

The Liberty Drive Motor develops about 2 H. P. The motor, complete, weighs 72 lbs. It can be taken apart and carried in two sections, if desired. It comes to you carefully crated and ready to run. It is fully guaranteed. Weight each 75 lbs.

Weight Packed for shipment 105 lbs.

No. F7642—With Battery Ignition★ ....each $135.00

No. F7643—With Magneto Ignition★ ....each 171.00

Salt Water Fittings, extra★ .....each 11.70

ONE IN A CASE

★ **Items Marked Thus ★ Are Shipped From Factory Only.**

ROWBOAT MOTORS

COLLE NEPTUNE

A substantially built rowboat motor of standard design to meet the ideas of the conservative buyer.

Heavy Frame with two thumb screws clamps motor to rowboat in a minute and is adjusted to most any height, thickness or pitch of stern.

Motor is Reversible and will run either forward or backward. A turn to right starts motor; to reverse, turn to left, with a little practice can be reversed on spark.

Motor Speeds—From 150 to 800 R. P. M. controlled by timer lever extending under fly wheel. Press button on timer instantly stops motor.

Solid Bronze Propeller of semi-weedless type protected by strut.

All Under Parts of Bronze. The Only Metal Which is Impervious to Salt Water Corrosion.

Plunger Pump equipped with strainer, located on gear housing keeps motor cool in hottest weather.

Water cooled aluminum muffler and exhaust manifold cast in one unit.

Gasoline Tank of heavy tern plate, reinforced, with seams well soldered. Shut-off cock between gas tank and carburetor.

All Bearings of Phosphor Bronze, same formula as specifed by government.

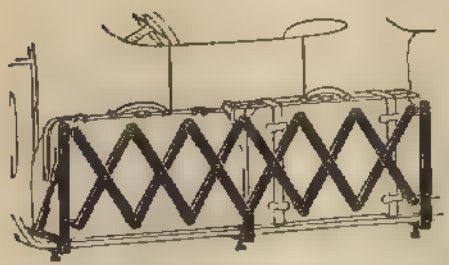
Chrome Nickel Steel Gears contained in water tight housing, packed with grease, shipping w't 100 lbs.

No. F7644—Battery ignition, with waterproof battery and coil box complete, each★ $153.00

No. F7645—Magneto built in fly wheel★ ..... each 171.00

ONE IN A CRATE

LUGGAGE CARRIERS



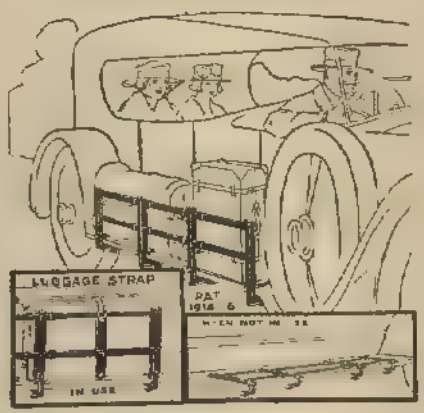
Body of carrier made of heavy steel, 1 in. wide, ⅛ in. thick. End pieces 1 in. wide and ⅛ in. thick, making it very substantial, are held to body of carriers by high grade steel bolt 5/16 in. thick. Each cross member held together at both ends and in center by a rivet. Each rivet has washer between members making it easily opened and closed.

Does not rattle if fastened securely. Adjustable to 6 feet. Finished in black, heat baked enamel and will not rust. Folds up into a very compact form and can be placed in tool box or under seat when not in use.

No. 5896—W't per doz. 144 lbs., each $2.60

SIX IN A CRATE

LUGGAGE CARRIERS



MARQUETTE

Fits any car. Can be adjusted to any length running board. Folds down neatly when not in use. Well made from the best grade of steel, black japanned. Nothing to break or get out of order.

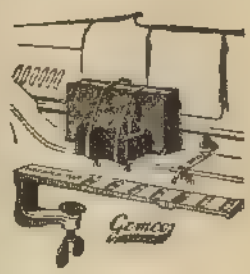
No. 5897—5 ft., size adjustable from 36 in. to 60 in., w't each 6 lbs., each $4.60

No. 5898—5 ft., size furnished complete with 3 straps, w't each 9 lbs., each $6.00

No. 5899—4 ft., size adjustable from 27 in. to 36 in., w't each 6 lbs., each $4.00

ONE DOZEN IN A CRATE

GEMCO LUGGAGE CARRIER



No. 5900—Fastens securely to the running board of any automobile by means of two thumb screws. Suit cases, bags or packages of any size are quickly strapped into place or removed as desired. They do not touch body of the car, scratch or rattle, w't per pair, 4 lbs., per set, complete with straps $3.20

ONE SET OF TWO IN A BOX

★ Items Marked Thus ★ Are Shipped From Factory Only.

STUTZ SIX

Touring Car	$1995
Roadster	1995
Sedan	2550

STUTZ *Speedway* FOUR

Roadster	$2450
Touring Car	2640
Bearcat	2765
Sportster	2790
Bulldog	3115
Coupe	3490

Prices f. o. b. Indianapolis—Tax Extra

The Sign of the Genuine

THIS SYMBOL IN ANY ADVERTISEMENT MEANS: SEE "CHILTON AUTOMOBILE DIRECTORY" FOR COMPLETE BUYING INFORMATION

Overshadowing Price Appeal

If prices are a determining factor in the conduct of the automobile business, the Stutz Motor Car Company of America, Inc., with its new Stutz Six and famous Speedway Four models, takes a commanding place.

Never has there been a better opportunity to sell cars of recognized distinction and exclusive appeal at prices that so completely dispel competition.

The Stutz Six at its phenomenal prices is the acknowledged leader in the field of quality sixes. From the standpoint of appearance, performance, and prestige, it is to be compared only with cars selling for many hundreds of dollars more. Both open and enclosed models set new standards of value.

The Stutz Speedway Four—long since acclaimed America's pre-eminent sport car—now is offered at prices that emphasize more than ever its exceeding value. From its very nature, it anticipates the desires of a certain class of select motorists which no other car so completely fulfills.

Combine these striking merchandising advantages of the new and enlarged Stutz line of popularly-priced Sixes and exclusive Speedway Fours with the superior financial and industrial strength of the parent company, and the new and advanced selling franchise for distributors and dealers and the overshadowing appeal of the Stutz line as a *business-getter* and *profit-maker* immediately as well as for the future is at once apparent.

Consequently, the Stutz franchise is in active demand by leading merchants everywhere. We are assigning new territory daily. Write or wire for particulars.

STUTZ

STUTZ MOTOR CAR COMPANY *of* AMERICA, Inc.

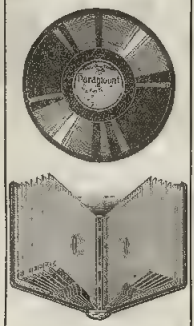
Indianapolis, Indiana, U. S. A.

DUE NET NOV. 1, 1923

Sell Phonographs and Saxophones on Time Payment Plan

NO INVESTMENT—You Can Get a Sample Phonograph FREE

10 Records and Album FREE with Sample Phonograph



Ten "Paramount" Records and one 12-pocket Album FREE with Sample Phonograph.

Special Offer Includes Ten "Paramount" Records and One 12-Pocket Record Album — F R E E!

The Records and Album Are Free Whether You Earn the Free Sample or Not

HERE'S THE PLAN

Order the New Console Type Phonograph listed below (with which we include FREE ten "Paramount" Records and one 12-pocket Record Album). Your order will be recorded on our ledger as—

Due Net November 1st, 1923

If by that date you have purchased 5 additional "GRAND OPERA" Phonographs (any models) and paid for them when due, according to our regular terms, you will receive a credit memorandum canceling the charge for the sample phonograph.

New Console Type

"GRAND OPERA" PHONOGRAPH

Retail Price $135.00

F8731— 34 in. high, 36 in. long, 22 in. wide, double spring Heinaman motor, nickel plated tone arm and fittings, 12 in plush covered turntable, beveled edge, 5 ply veneer BROWN MAHOGANY cabinet, hand rubbed and polished, five compartments for records. 1 in case, 165 lbs.

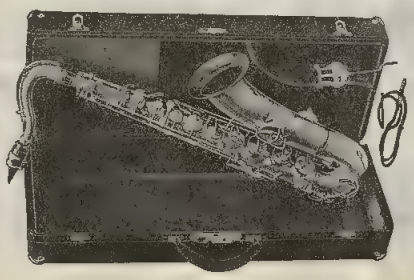
Each

$69.50

Queen Anne Period Design

"GRAND OPERA" C MELODY SAXOPHONES

NO INVESTMENT — Your Sample FREE if You Sell 5 other Saxophones



Order one of these Saxophones and we will record it on our ledger as

Due Net November 1st, 1923

If by that date you have purchased 5 additional "GRAND OPERA" Saxophones and paid for them when due, according to our regular terms, you will receive a credit memorandum canceling the charge for the sample saxophone.

Built in low pitch and has the **new single octave key.** Keys inlaid with mother of pearl. Supplied with silver plated music rest, mouthpiece reed holder with protecting cap, one reed and carrying strap. Each in long grain keratol case.

F8300—Brass, highly polished, with flannel lined case. C Melody. Each, **$69.00**

F8301—Silver plated, with velvet lined case. C Melody. Each, **83.00**

F8302—Silver plated, gold bell, with velvet lined case. C Melody. Each, **87.00**

Saxophones in any key for outfitting orchestras can be secured at a big saving. Write for prices.

"GRAND OPERA" PHONOGRAPHS

Equipped With Universal Tone Arm—Plays All Records Without Extra Attachments

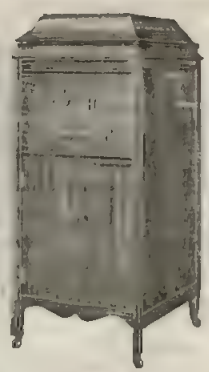
These cabinets are finished the same as real high grade furniture. All panels are inserted in a continuous frame which acts as reinforcement and makes them absolutely wearproof, a feature which is found only in highest grade models of recognized make. The tone chambers are of all wood construction, producing clear mellow tones. Machines are equipped with high grade motor, 12 in. turntable with beveled edge plush surface, Universal tone arm, tone control, piano hinge top, double doors with five spaces for records. Mahogany cabinets are 5 ply veneer, hand rubbed and polished, quartered oak cabinets are waxed finish. Each machine is fully guaranteed.

Ht. 48 in., width 19 in., depth 21½ in., double spring worm gear motor, 12 in. turntable, nickel plated tone arm and parts, automatic stop, piano hinge top. 1 in case, 125 lbs.

F8726—Brown mahogany
F8727—Fumed oak
F8729—Golden oak
Each **$45.00**

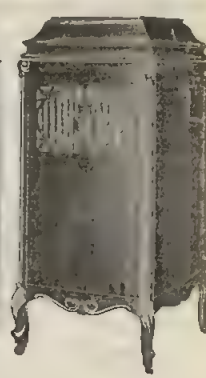
Ht. 45 in., width 21 in., depth 22 in., double spring micrometer adjusted motor, 12 in. turntable, nickel plated tone arm and parts, automatic stop, piano hinge top, solid carved legs. 1 in case, 135 lbs.

F8706—Brown mahogany
F8707—Fumed oak
F8709—Golden oak
Each **$57.50**



Ht. 50 in., width 22 in., depth 25 in., double spring micrometer adjusted motor, 12 in. turntable, nickel plated tone arm and parts, automatic stop, piano hinge top, solid carved legs, hand carved corner posts. 1 in case, 160 lbs.

F8711—Brown mahogany
F8712—Fumed oak
F8714—Golden oak
Each **$65.00**



Ht. 51 in., width 23 in., depth 26 in., triple spring micrometer adjusted motor, 12 in. turntable, nickel plated tone arm and parts, automatic stop, piano hinge top, hand carved posts on top and bottom, carved grill. 1 in case, 165 lbs.

F8716—Brown mahogany
F8717—Fumed oak
F8719—Golden oak
Each **$87.50**

CONSOLE TYPE PHONOGRAPHS

Attractive and up-to-date designs. Console type phonographs are becoming more popular every day

Ht. 51 in., width 23 in., depth 26 in., triple spring motor, 12 in. turntable, gold plated tone arm and parts, automatic stop, piano hinge top, lock and key, hand carved corner posts on top and bottom. 1 in case, 190 lbs.

F8721—Brown mahogany
F8722—Fumed oak
F8724—Golden oak
Each **$98.00**

Queen Anne Period Design

Ht. 34 in., length 40 in., width 23 in., high grade double spring Holtzman motor, piano hinged top, 13 in. plush covered turntable, tone arm and all parts nickel plated, automatic stop, cabinet reinforced throughout, 5 ply mahogany veneer, hand rubbed polished and finished, compartments on each side of tone chamber for records. 1 in case, 190 lbs.

F8736—Brown mahogany Each, **$78.00**

Georgian Period Design

Ht. 34 in., width 45 in., depth 24 in., multiple spring motor, 12 in. turntable, gold plated tone arm and parts, automatic stop, all wood tone chamber, speed regulator, special tone modifier. Plays all records without extra attachment. Fully guaranteed. 1 in crate, 200 lbs.

F8696—Mahogany Each, **$125.00**

SHOTGUN SHELLS

REMINGTON GAME LOADS

Furnished Only in the Famous Nitro Club Wetproof Shells, With Soft or Chilled Shot, Loaded With Smokeless Powder.

If Chilled Shot Loads are Wanted, Specify the Word "Chilled" After Load Number. The "Nitro Club" shell is primed with the Remington No. 33 Primer with battery cap. It is loaded on automatic machines, which insures uniformity and exactness in all particulars.

GROUSE

Recommended for **Grouse**, Partridge, Prairie Chicken, Pheasant, Dove, Rabbit, Duck, Squirrel.

Gauge	Loaded with	List price per 1000 Chilled shot	Soft shot
12	No. 7 shot	$52.25	$49 25
16	No. 7 shot	48.00	45 00
20	No. 7 shot	47.50	44 50

SNIPE

Recommended for **Snipe**, Rail, Plover, Woodcock, Quail.

Gauge	Loaded with	List price per 1000 Chilled shot	Soft shot
12	No. 9 shot	$51 00	$48 00
16	No. 9 shot	48 00	45 00
20	No. 9 shot	47 50	44 50

SQUIRREL

Recommended for **Squirrel**, Rabbit, Duck, Crow.

Gauge	Loaded with	List price per 1000 Chilled shot	Soft shot
12	No. 6 shot	$51.00	$48 00
16	No. 6 shot	48.00	45.00
20	No. 6 shot	47.50	44.50

RABBIT

Recommended for **Rabbit**, Squirrel.

Gauge	Loaded with	List price per 1000 Chilled shot	Soft shot
12	No. 6 shot	$49 25	$46 25
16	No. 6 shot	46 25	43.25
20	No. 6 shot	45 75	42 75

BUCK SHOT

Recommended for **Deer**, Black Bear, Wolf, Riot Purposes, Guard Duty.

Gauge	Loaded with	List price per 1000
12	Buck shot	$55 75

Shot Size No. 0 Eastern. 12 pellets in this load

TRAP

Powder specifications accepted for **Trap Loads Only**. Choice of E. C., Deadshot and Du Pont powder.

Gauge	Loaded with	List price per 1000 chilled shot
12	Trap load No. 7½ CH	$52 75

Twenty-five in a box; 500 in a case. Weight per case, 12-gauge, 60 lbs.; 16-gauge, 50 lbs.; 20-gauge, 45 lbs.

SHOTGUN SHELLS

REMINGTON GAME LOADS

Furnished Only in the Famous Nitro Club Wetproof Shells, With Soft or Chilled Shot, Loaded With Smokeless Powder.
If Chilled Shot Loads are Wanted, Specify the Word "Chilled" After Load Number. The "Nitro Club" shell is primed with the Remington No. 33 Primer with battery cap. It is loaded on automatic machines, which insures uniformity and exactness in all particulars.

DUCK

Recommended for **Duck,** Hawk, Crow, Rabbit Partridge, Prairie Chicken, Grouse

Gauge	Loaded with	—List price per 1000— Chilled shot	Soft shot
12	No. 5, 6 or 7½ shot	$52 25	$49 25
16	No. 5, 6 or 7½ shot	48 25	46 25
20	No. 5, 6 or 7½ shot	47 50	44 50

Specify size of shot

HEAVY DUCK

12 gauge Remington **Heavy Duck Loads,** recommended for **Duck,** Brant, Jack Rabbit

20 gauge Remington **Heavy Duck Loads,** recommended for **Duck,** Pheasant, Rabbit, Partridge, Grouse, Prairie Chicken

Gauge	Loaded with	—List price per 1000— Chilled shot	Soft shot
12	No. 4, 5 or 6 shot	$55 25	$52 25
20	No. 6, 7, or 7½ shot	50.50	47.50

Heavy Duck Loads in the 20 gauge are furnished in 2¾-inch shells

Specify size of shot.

Special Note—The 12-gauge and 20-gauge **Heavy Duck** loads, the 16-gauge **Duck** load and 12-gauge **Goose** load are loaded especially for long range shooting. When the birds are flying high these **Remington Long Range** loads will pull them down

Twenty-five in a box; 500 in a case. Weight per case, 12-gauge, 60 lbs.; 16-gauge, 50 lbs.; 20-gauge, 45 lbs

GOOSE

Recommended for **Goose,** Fox, Turkey, Raccoon.

Gauge	Loaded with	—List price per 1000— Chilled shot	Soft shot
12	No. 2 shot	$55 25	$52 25

QUAIL

Recommended for **Quail,** Dove, Woodcock, Rail, Plover, Snipe

Gauge	Loaded with	—List price per 1000— Chilled shot	Soft shot
12	No. 8 shot	$51.00	$48 00
16	No. 8 shot	48 00	45 00
20	No. 8 shot	47 50	44.50

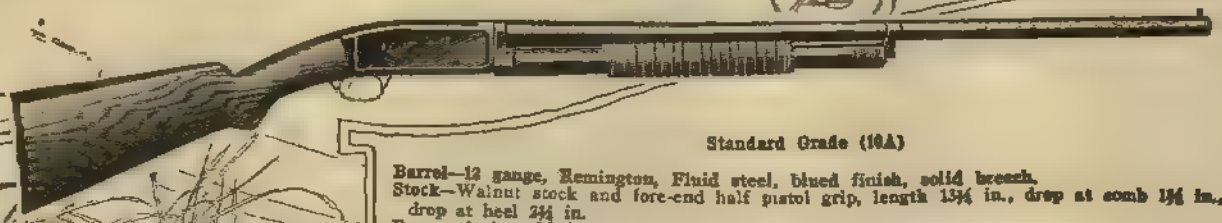
DOVE

Recommended for **Dove,** Quail, Rabbit, Partridge, Grouse, Woodcock, Plover, Rail.

Gauge	Loaded with	—List price per 1000— Chilled shot	Soft shot
12	No. 7½ shot	$51.00	$48 00
16	No. 7½ shot	48.00	45 00
20	No. 7½ shot	47 50	44 50

REMINGTON

REPEATING HAMMERLESS



Standard Grade (10A)

Barrel—12 gauge, Remington, Fluid steel, blued finish, solid breech.
Stock—Walnut stock and fore-end half pistol grip, length 13¾ in., drop at comb 1½ in., drop at heel 2½ in.
Frame—6 shot, Model 1908, bottom loading.

No. 150—Plain barrel, 28, 30 or 32 in., full or modified choke bored, w't 7½ lbs ..each $ 89.30
No. 160—Plain barrel, 26 in., cylinder bored, w't 7½ lbs. .....each 85.30
No. 150R—Raised matted rib, 30 in. full choke bored, w't 7¾ lbs. .....each 100.90
Any other length or drop of stock to order★.....additional $24.00

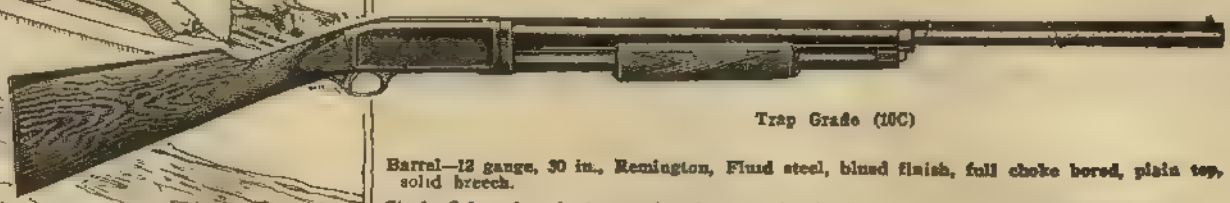
Trap Special Grade (10S)

Barrel—12 gauge, 30 in., Remington, Fluid steel, blued finish, neatly matted its entire length, full choke bored, solid breech.

Stock—American walnut, neatly checkered, straight grip and fore-end, length 14 in., drop at comb 1½ in., drop at heel 2 in.

Frame—6 shot, Model 1908, bottom loading.

No. 170—Matted barrel, w't about 7¼ lbs. .....each $101 70
No. 170R—Raised matted rib, w't about 7¼ lbs. .....each 117.25



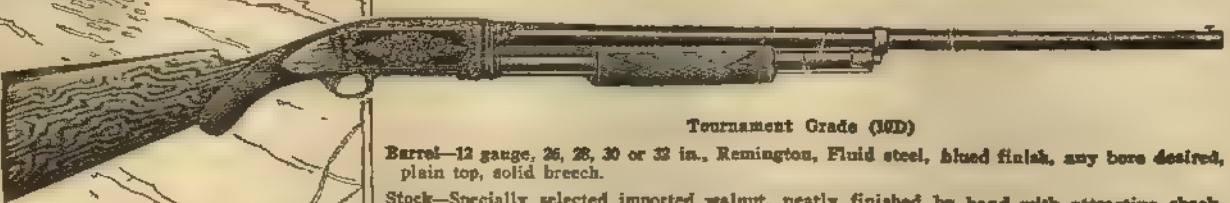
Trap Grade (10C)

Barrel—12 gauge, 30 in., Remington, Fluid steel, blued finish, full choke bored, plain top, solid breech.

Stock—Selected curly imported walnut neatly checkered, straight grip and fore-end, length 14 in., drop at comb 1½ in., drop at heel 2 in.

Frame—6 shot, Model 1908, bottom loading.

No. F175—Plain barrel, w't about 7¼ lbs.★ .....each $116.60
Stocks will be made to order without charge in lengths from 13½ to 15 in., drops at comb from 1½ to 1¾ in. and at heel from 2 to 2½ in.★
No. F175R—Raised matted rib, w't about 7¼ lbs.★ .....each $132.20



Tournament Grade (10D)

Barrel—12 gauge, 26, 28, 30 or 32 in., Remington, Fluid steel, blued finish, any bore desired, plain top, solid breech.

Stock—Specially selected imported walnut, neatly finished by hand with attractive checkering, half pistol grip, length 13¾ in., drop at comb 1½ in., drop at heel 2¼ in.

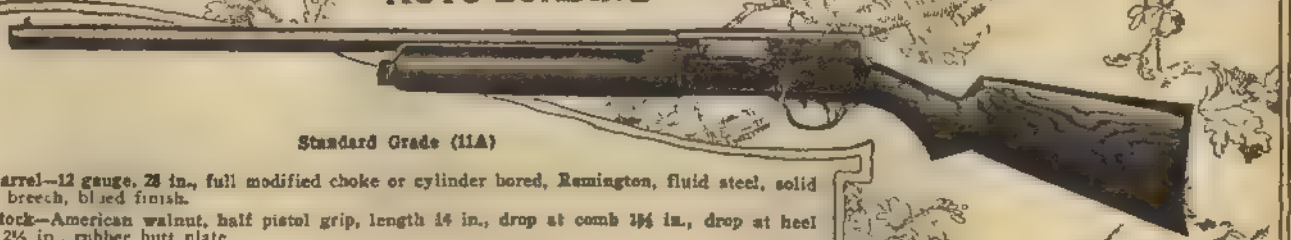
Frame—Receiver and barrel finished in a rich scroll, hand engraved, all working parts hand polished, 6 shot, Model 1908, bottom loading.

No. F180—Plain barrel, w't about 7¼ lbs★ .....each $163 00
Will furnish made to order without additional charge, straight or pistol grip stock in any dimensions desired.
No. F180R—Raised matted rib, w't about 7¼ lbs.★ .....each $178.60

★ Items Marked Thus ★ Are Shipped From Factory Only.

SHOT GUNS

AUTO-LOADING



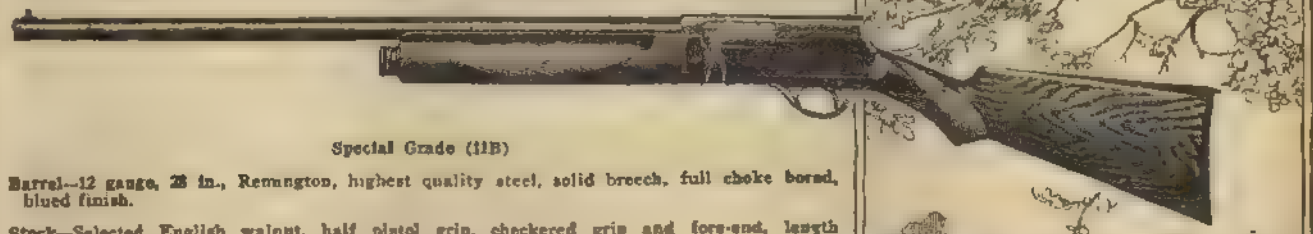
Standard Grade (11A)

Barrel—12 gauge, 28 in., full modified choke or cylinder bored, Remington, fluid steel, solid breech, blued finish.

Stock—American walnut, half pistol grip, length 14 in., drop at comb 1⅝ in., drop at heel 2½ in., rubber butt plate.

Frame—Take-Down, 5 shot, automatic side ejection, blued.

No. 1P—Plain barrel, w't about 7¾ lbs. .. ..each $100.90
No. 1PR—Raised matted rib, full choke bored, w't about 7¾ lbs. . ... each 116 50
No. 1PB—28 in., full choke bored with extra 26 in. cylinder bored barrel . .. each 142 25
Made in 12 gauge only. Barrels longer than 28 in. cannot be furnished.
Any other length or drop of stock to order★..... . . . .additional $24 00



Special Grade (11B)

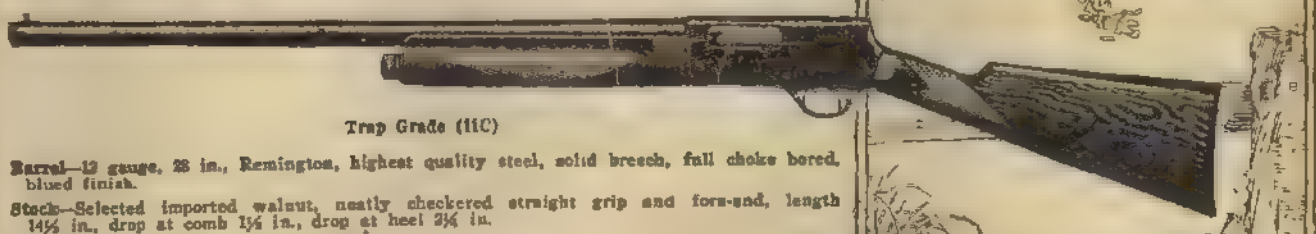
Barrel—12 gauge, 28 in., Remington, highest quality steel, solid breech, full choke bored, blued finish.

Stock—Selected English walnut, half pistol grip, checkered grip and fore-end, length 14 in., drop at comb 1½ in., drop at heel 2½ in., rubber butt plate.

Frame—Take-Down, 5 shot, automatic side ejection, blued.

No. 2P—Plain barrel, w't about 7¾ lbs. .. . . . . .each $123 05

Any other length or drop of stock to order★..... .. ..additional $24 00



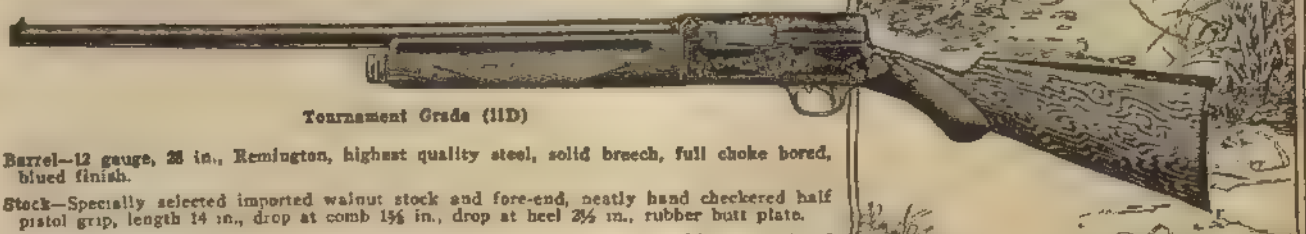
Trap Grade (11C)

Barrel—12 gauge, 28 in., Remington, highest quality steel, solid breech, full choke bored, blued finish.

Stock—Selected imported walnut, neatly checkered straight grip and fore-end, length 14½ in., drop at comb 1⅝ in., drop at heel 2¼ in.

Frame—Take-Down, 5 shot automatic side ejection, blued.

No. 3P—Plain barrel, w't about 7¾ lbs.★ .... each $123 05
No. 3PR—Raised matted rib, w't about 7¾ lbs .... each 138 60
Any other length or drop of stock to order★... . ...additional $24 00



Tournament Grade (11D)

Barrel—12 gauge, 28 in., Remington, highest quality steel, solid breech, full choke bored, blued finish.

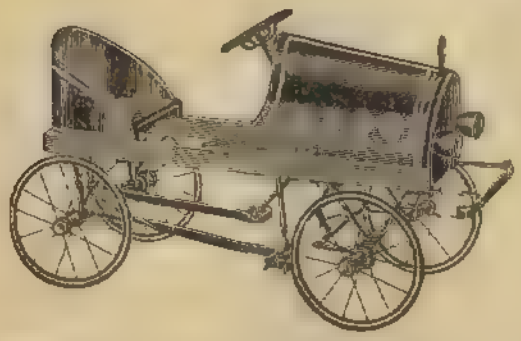
Stock—Specially selected imported walnut stock and fore-end, neatly hand checkered half pistol grip, length 14 in., drop at comb 1⅝ in., drop at heel 2½ in., rubber butt plate.

Frame—Receiver and barrel finished in rich scroll hand engraved, all working parts hand polished, 5 shot, automatic side ejection, Take-Down, blued.

No. 4P—Plain barrel, w't 7¾ lbs.★ .....each $194.50
No. 4PR—Raised matted rib .....each 210 10

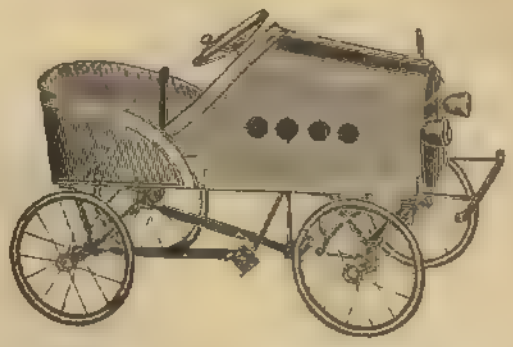
Will furnish made to order without additional charge straight or pistol grip stock in any dimensions desired.

AUTOMOBILE WAGONS



No. N600—Body 11x30 in., stencilled Reo; finished in red, or blue with brilliant striping and decorating; wheels 10 in. with ⅞ in. rubber tires and nickel plated hub caps. Equipped with knuckle joint steering gear bumper, iron rim steering wheel, self starter button, two imitation wooden headlights and motormeter. Running gears finished in black enamel, wheels finished in bright red enamel, w't per doz. 456 lbs.,
per dozen $117.90

ONE IN A CRATE

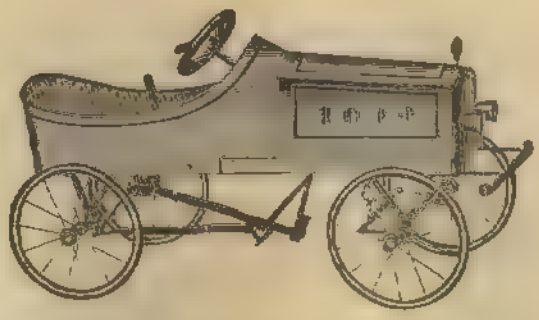


No. N601—Body 12x20 in., stencilled Dodge; finished in red, gray, blue or yellow with brilliant striping and decorating; wheels 10 in. with ⅞ in. rubber tires, with nickel plated hub caps; equipped with shifting lever, knuckle joint steering gear, wood rim steering wheel with nickel plated gas lever attachments, motormeter, self starter button, two imitation wooden headlights and bumper; running gears finished in black enamel, wheels finished in red enamel, w't per doz. 540 lbs.,
per dozen $152.70

ONE IN A CRATE

No. N384—Body 12x36 in., stencilled Paige; finished in red, grey, blue or yellow, with brilliant striping and decorations; wheels 10 in. with ⅞ in. rubber tires and nickel plated hub caps; equipped with shifting lever, knuckle joint steering gear, nickel plated gas lever attachment, motormeter, self starter button, two imitation wooden headlights; running gear finished in black enamel, wheels in red enamel, w't per dozen 588 lbs.,
per dozen $162.70

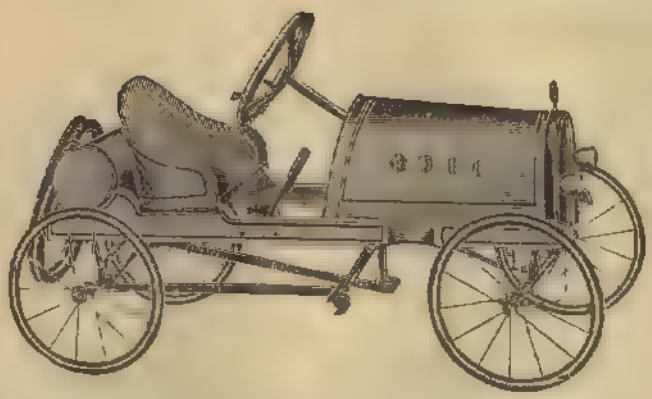
ONE IN A CRATE



No. N603—Body 13x38 in., stencilled Nash; finished in red, blue, yellow or gray with brilliant striping and decorating; wheels 12 in. with ⅞ in. rubber tires and nickel plated hub caps; equipped with shifting lever, knuckle joint steering gears, wood rim steering wheel with nickel plated gas lever attachments, motormeter, self starter button, two imitation wooden headlights, bumper, adjustable seat; running gears finished in black enamel, wheels finished in red enamel, w't per doz.
per dozen $209.40

ONE IN A CRATE

AUTOMOBILE WAGONS



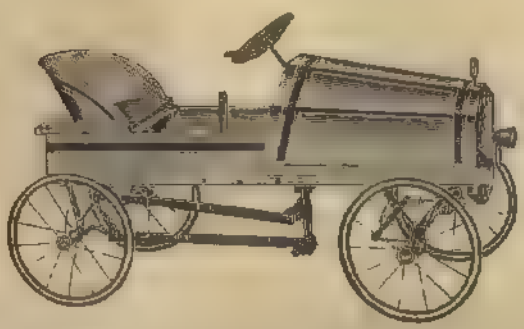
Stencilled No. 6, finished in red, gray, blue or yellow with brilliant striping and decorating. Barrel hubs with ⅜ in. rubber tires and nickel plated hub caps.

Equipped with shifting lever, gas tank, two spare tires, nickel plated gas lever attachment, self starter button, two imitation wooden headlights. Running gear and wheels in black enamel.

No. N387—Wheels 14 in., w't per doz. 660 lbs., per dozen $249 90

No. N386—Body 13×43 in., wheels 12 in. and with knuckle joint steering gear, w't per doz. 636 lbs., per dozen $215.10

ONE IN A CRATE



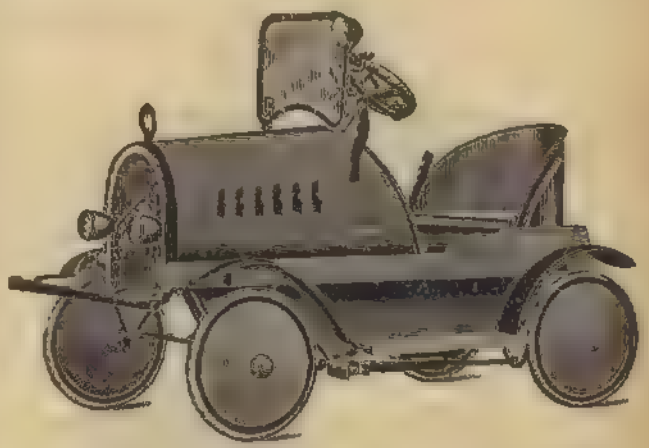
Finished in red, gray, blue or yellow with brilliant striping and decorations. Wheels 12 in. barrel hub, with ⅜ in. rubber tires and nickel plated hub caps.

Equipped with shifting lever, knuckle joints steering gear, nickel plated steering rod, with wood wheel and nickel plated gas lever attachment, motormeter, self starter button, two imitation wooden headlights, seat adjustable to two positions. Running gear and wheels in black enamel.

No. N392—Body 13×42 in., w't per dozen 660 lbs., per dozen $215.10

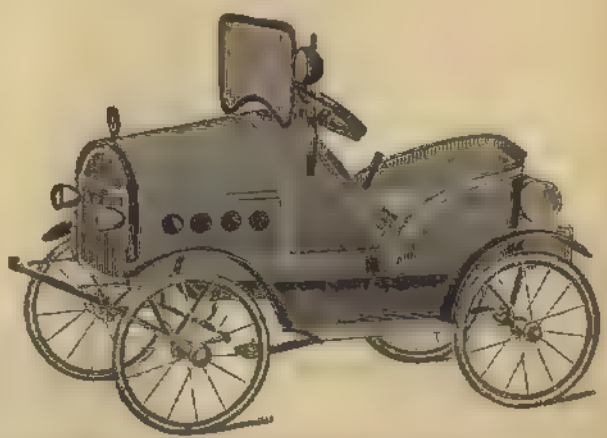
No. N391—Body 14×36 in., shipping w't per doz. 588 lbs., per dozen $180.00

ONE IN A CRATE



No. N6024FC—10×2 in. rubber tired ball bearing single disk wheels, painted red and striped black. Body 12×36 in., finished in assorted colors, with striping to harmonize. Knuckle-joint gear, black enameled. Gear shift. Wood rim steering wheel. Self-starter button. Two imitation wood lamps. Nickel plated gas lever attachments. Motor meter. Nickel plated hub caps. Crown fenders, black enameled. Nickel plated form fitting windshield. Spotlight and horn. Packed set up complete with wheels off. Weight per doz. 780 lbs. .....per dozen $287.00

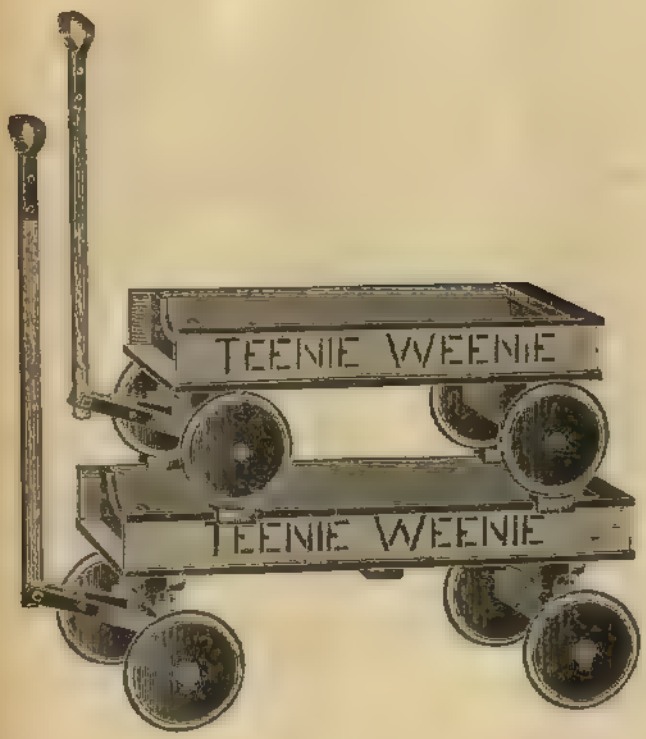
ONE IN A CRATE



No. N602FC—12×2 in. rubber tired barrel hub wheel red enameled. Body 13×38 in., finished in assorted colors, with striping and decorating in fancy colors. Knuckle-joint gear, black enameled. Gear shift. Wood rim steering wheel. Self-starter button. Two imitation wood lamps. Nickel plated gas lever attachments. Motor meter. Bumper. Nickel plated hub caps. Gas tank. Crown fenders, black enameled. Nickel plated form fitting windshield. Spotlight and horn. Packed set up complete with wheels off. Weight, per doz. 756 lbs. .....per dozen $305.40

ONE IN A CRATE

TEENIE WEENIE COASTERS



Sturdy little wagons built to stand rough treatment by the little folks.

Wheels solid hard maple painted red, bodies natural varnish finish, trimmed in red. Bolsters ⅞ in. hard maple, 5/16 in. iron axles, nickel plated hub caps loop grip handles, heavy wrought iron tongue holders. Well braced throughout.

WITHOUT RUBBER TIRES, PLAIN WOOD WHEELS

Nos.	N290	N291
Size of body, in.	9½x20	10½x24
Size of wheels, in.	4½	5
W't per doz., lbs.	96	162
Per dozen	$28.50	40.40

WITH ½ IN. RUBBER TIRES, DISC WHEELS

Nos.	N2906	N2916	N2926
Size of body, in.	9½x20	10½x24	12x30
Size of wheels, in.	4	5	5
W't per doz., lbs.	96	162	175
Per dozen	$35 60	47.50	59 40

ONE-SIXTH DOZEN IN A CARTON
WE DO NOT BREAK CARTONS

Hibbard COASTER WAGONS

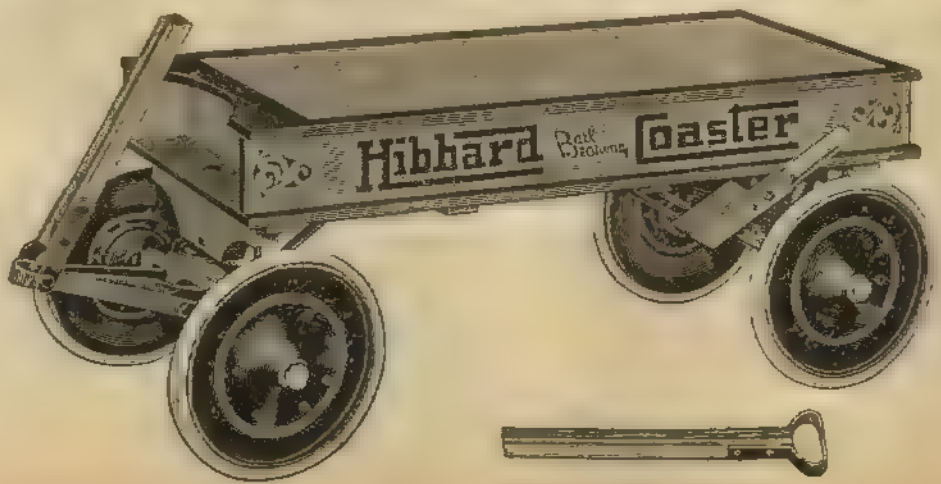
WITH BALL BEARING WHEELS.

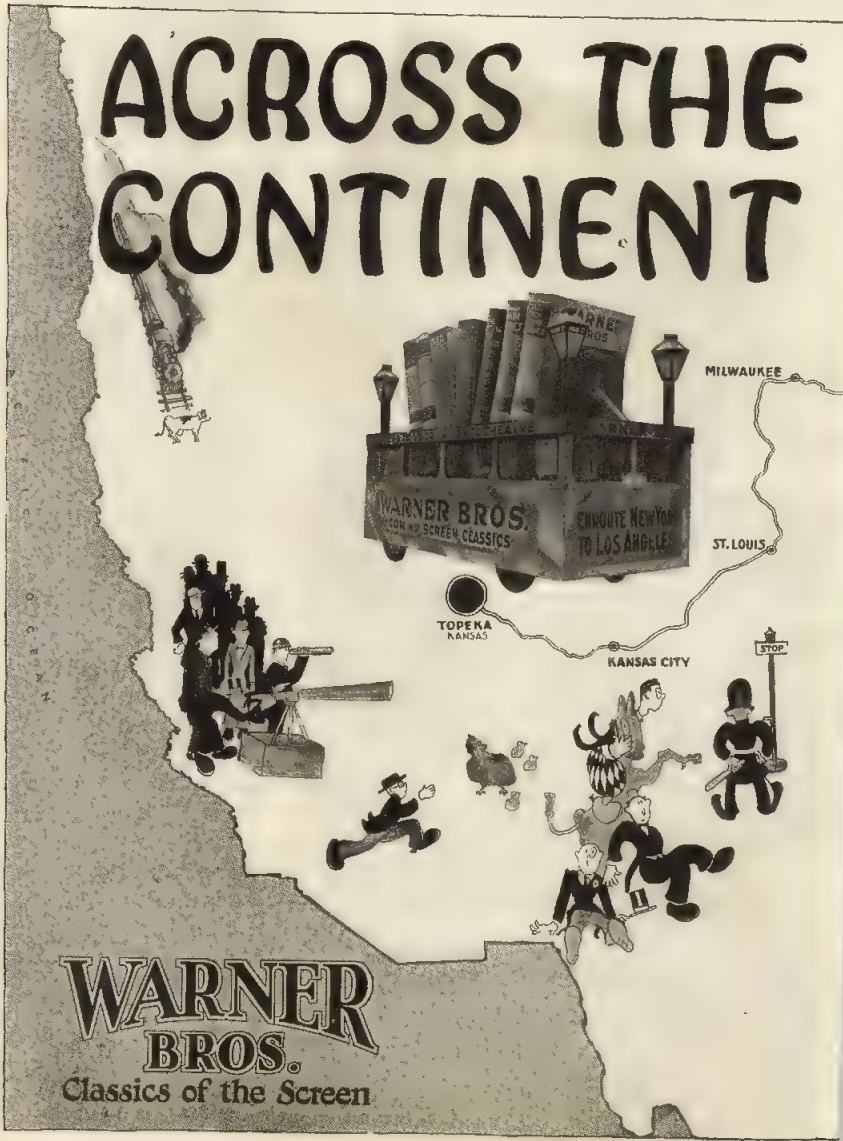
Body, handle and brace of well seasoned hardwood, varnished, red enameled single disk rubber tired ball bearing wheels malleable iron hub caps and bands. A1 selected stock gears, securely braced to body with 1/32x1 in. round edge iron and 9/16 in. round steel axles. Extra heavy malleable iron and hardwood steering gears.

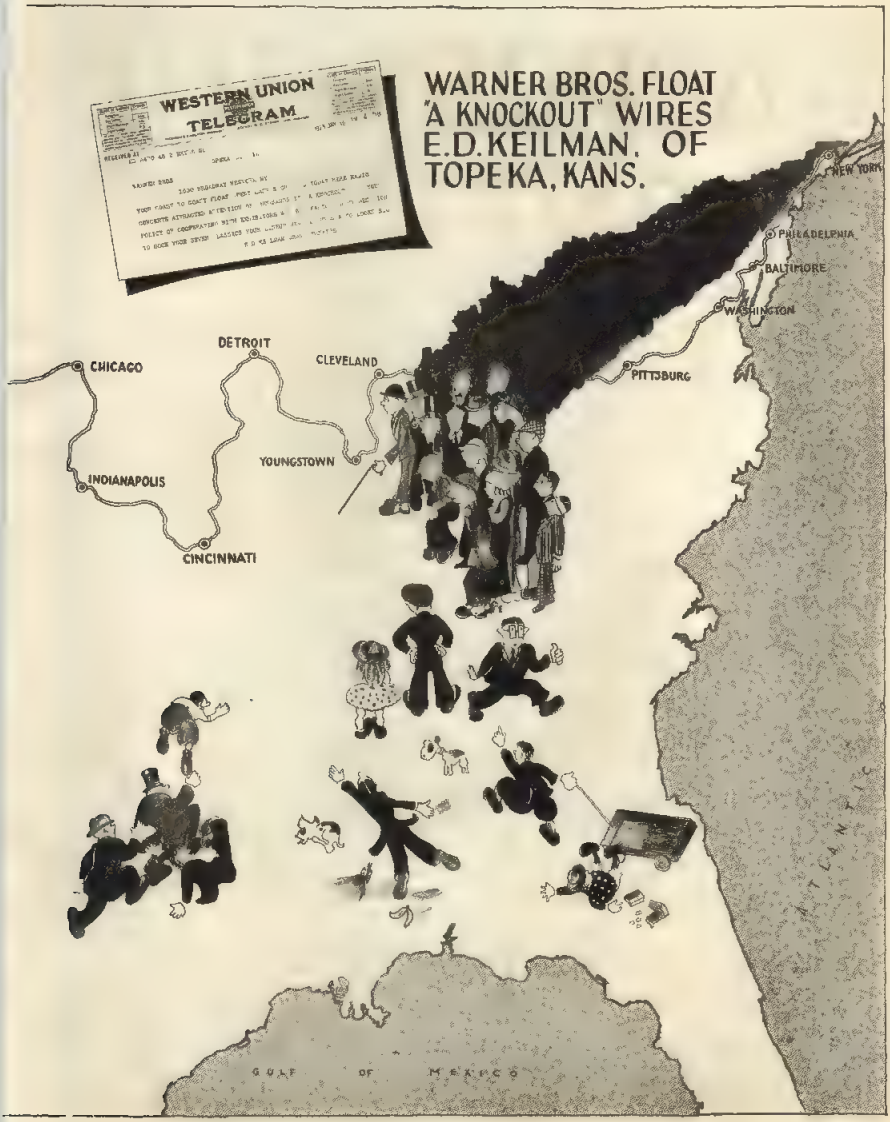
Nos.	N320	N321
Height of body, in.	4½	4½
Body, in.	13x28	14x32
Wheels, in.	8x1¾	8x1¾
Shipping w't doz., lbs.	350	400
Per dozen	$99.40	122.50

Nos.	N322	N323
Height of body, in.	4½	4½
Body, in.	16x36	18x40
Wheels, in.	10x1¾	10x1¾
Shipping w't doz., lbs.	432	480
Per dozen	$136.00	148.00

ONE IN A CARTON




ACROSS THE CONTINENT
WARNER BROS.
CLASSIC OF SCREEN CLASSICS
ENROUTE NEW YORK TO LOS ANGELES
MILWAUKEE
ST. LOUIS
TOPEKA KANSAS
KANSAS CITY
STOP
WARNER BROS.
Classics of the Screen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WARNER BROS. FLOAT "A KNOCKOUT" WIRES E.D. KEILMAN. OF TOPEKA, KANS.
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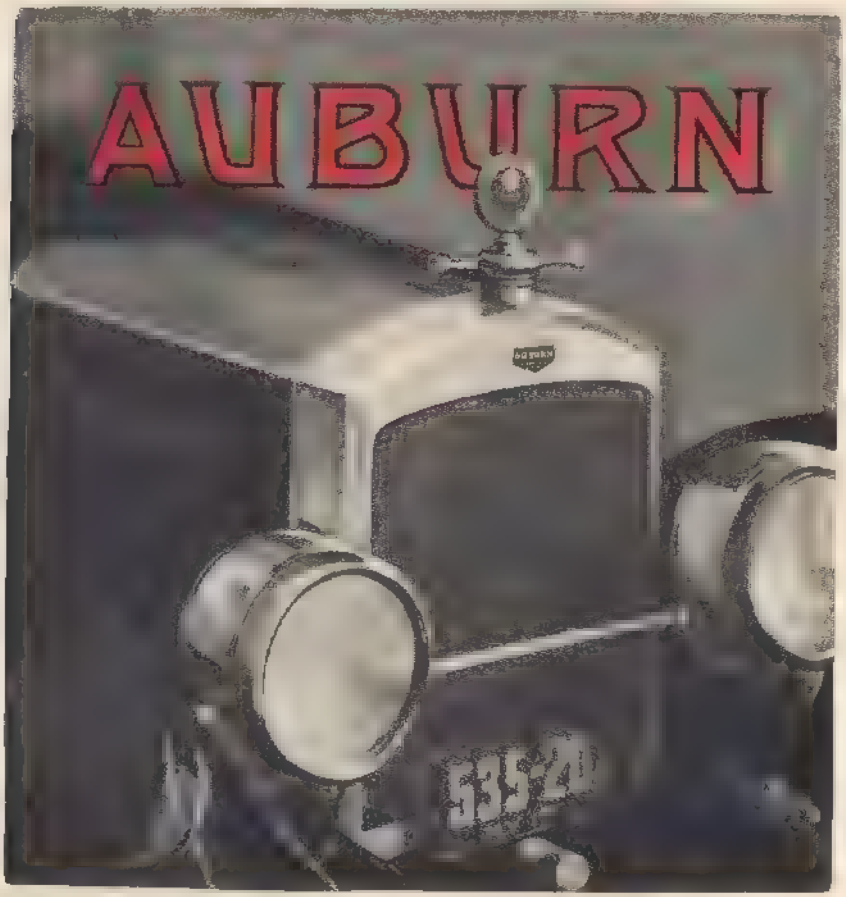
CINCINNATI
GULF OF MEXICO



The Car that went Over Big at the New York Show

THIS SYMBOL IN ANY ADVERTISEMENT MEANS: SEE "CHILTON AUTOMOBILE DIRECTORY" FOR COMPLETE BUYING INFORMATION

AFTER all it is the public that determines which cars shall be most profitable for dealers—and no one who saw the enthusiasm of the crowds about the Auburn display at the New York Show can doubt that here is a franchise that means unusual dealer profits for 1923.

Its completeness, now that it includes a smaller Six of all the usual Auburn beauty and distinction, makes the Auburn line available to a great new public which has wanted a car of Auburn quality and reputation, in this compact and economical size. This new Auburn is made in Touring and Touring Sedan types.

Old men in the trade said it was the finest line by far that Auburn had ever shown in the twenty-three years of its successful history. The new body lines of the Standard Auburn Sixes have added even greater attractiveness and salability to a car that has always been unusual in its appeal.

The Brougham, the Sport, with its many splendid color options, the Sedan and the permanent top Touring car, meet every desire of that great market which wants something more in a motor car than mere transportation. A range of prices and models to meet every demand. $1095 to $2245—values unsurpassed.

Auburn is putting behind its product during 1923 a volume of sales producing effort that exceeds anything in its history.

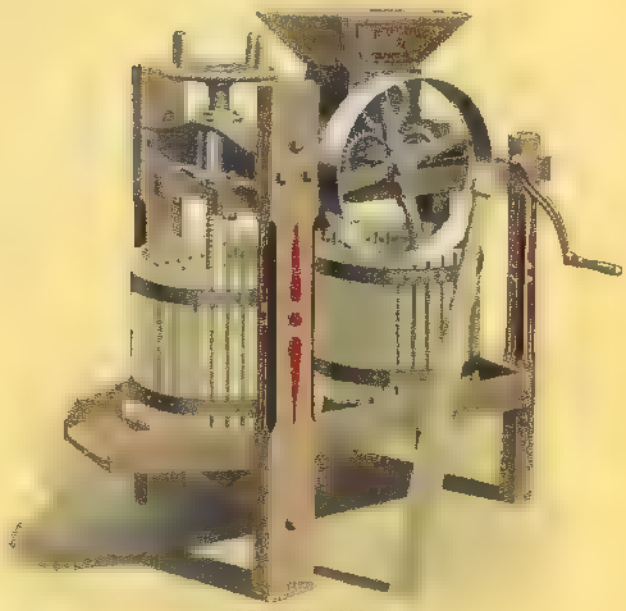
There will be a full year's campaign in full pages in The Saturday Evening Post, liberal co-operation in newspaper advertising, outdoor display and a variety and quality of printed helps that fill every dealer need.

See the Auburn. Estimate for yourself the selling appeal of this splendid and now wonderfully complete line. Ask for the details of the advertising and selling helps, learn about the new liberal non-expiring contract and find out whether your territory is open.

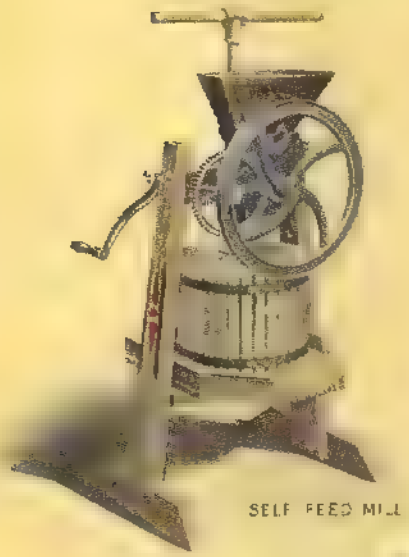
An Auburn franchise means big profits for you in 1923

AUBURN AUTOMOBILE COMPANY
AUBURN, INDIANA

JUNIOR AND MEDIUM MILL
Nos. W11 and W12



SENIOR MILL
No. W13



SELF FEED MILL
No. W14½

No. W18

No. W19

No. W17

No. W16

FRUIT OR WINE PRESSES

Varnished hardwood frames, poplar trough, strong hardwood tub with heavy staves machine-riveted to wrought iron bands, heavy iron cross-head, steel press screw with cast iron socket and hand wheel with grips. Bottom board, follow board, press block and press lever furnished with each press.

Nos.	W16	W17
Size	Junior	Medium
Height, in.	40	44
Tub, inside diam., in.	11	12½
Tub, height, in.	10	12
W't, each, lbs.	75	100
Each	$20.00	[illegible]

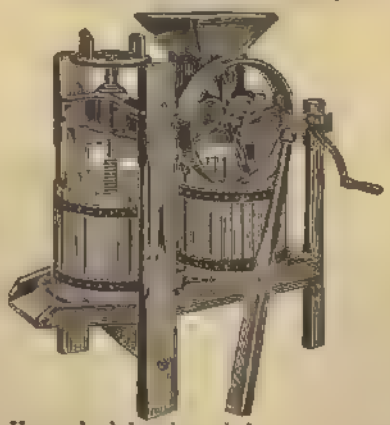
Nos.	W18	W19
Size	Senior	Extra Large
Height, in.	51	60
Tub, inside diam., in.	15½	19
Tub, height, in.	14	18
W't, each, lbs.	170	225
Each	$36.00	.....

Varnished hardwood frame and trough, securely bolted hardwood tub, with heavy staves riveted to wrought iron bands, steel press screw, with cast socket or step and hand wheel.

No. W15—Family, height 36 in., inside diam. of tub 12½ in., height of tub 12 in., w't each 70 lbs., each $15.50

SHIPPED KNOCKED DOWN

CIDER OR WINE MILLS



Varnished hardwood frame, securely bolted, removable hardwood hopper and lever, heavy cast iron cross-head, heavy pulley 2½x15 in. for power or as balance wheel for hand operation. Patented Self-Aligning, Easy Adjusting Bearings. Steel press screw with cast iron follower and hand wheel with grips, steel shafts, cast iron roll casing with one cutting and two adjustable grinding rolls, triple geared, cast iron crank with wood grip, two plain hardwood tubs with heavy staves machine riveted to wrought iron bands, poplar trough, neatly striped and varnished. All mental parts painted gray trimmed in gold.

No. W11—Junior, capacity two to four barrels of cider per day. 45 in. high, 13½x29½ in. trough, 10½ in. tubs, 1¼x18½ in. press screw, 28 in. lever, 12½x14 in. hopper, floor space required 20½x32 in., w't each 180 lbs. .....each $43 50

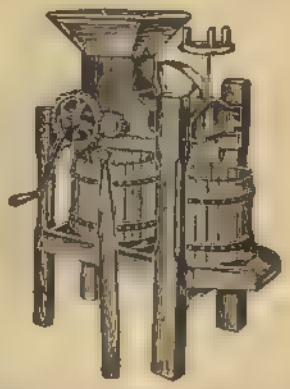
No. W12—Medium, capacity three to six barrels of cider per day. 46 in. high, 16x33½ in. trough, 12½ in. tubs, 1¼x20½ in. press screw, 28 in. lever, 13x14 in. hopper, floor space required 22x34 in., w't 235 lbs., each $51.00

EXTRA GRINDER HEADS

These heads include the Hopper and all grinding parts of the respective mills, mounted on hardwood sills, to set on barrel cask.

Nos.	W1	W2	W3
Size	Junior	Medium	Senior
Hopper, in.	12½x14	13x14	13½x15½
Height, in.	22½	23½	31½
W't each, lbs.	118	137	215
Each	$24.00	28.00	42.00

CIDER OR WINE MILLS



Varnished hardwood frame, securely bolted, removable hardwood hopper and lever, heavy cast iron cross-head, heavy pulley 3½x18 in. two cranks for hand operation. Patented Self-Aligning, Easy-Adjusting Bearings. Steel press screw with cast iron follower and hand wheel with grips, steel shafts, cast iron roll casing with one cutting and two adjustable grinding rolls, triple geared, cast iron cranks with wood grips, two plain hardwood tubs with heavy staves machine-riveted to wrough iron bands, poplar trough, neatly striped and varnished. All metal parts painted gray trimmed in gold.

No. W13—Senior, capacity six to ten barrels of cider per day. 51 in. high, 19½x41½ in. trough, 15½ in. tubs, 2x23½ in. press screw, 38 in. lever, 15½x13½ in. hopper, floor space required 28x44 in., w't 341 lbs. .....each $76.00

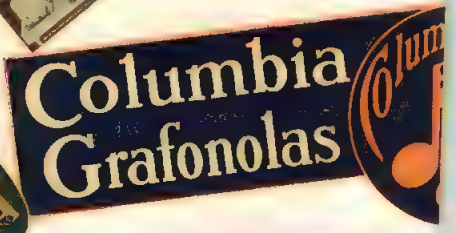
SELF FEED

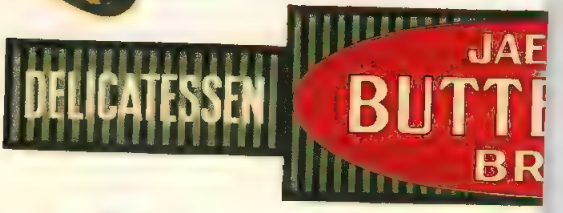
Height 45 in., hopper opening 8½x14 in., bottom board 17x20½ in., tub 12 in high, 14 in. diam. outside, press screw 1¼x24½ in.

This sturdy single tub mill has a very efficient grinding device and WILL HANLDE ALL SIZES OF APPLES WITHOUT CLOGGING OR BEING FORCED. The Self Feed has no complicated parts to get out of order, is equipped with a large balance wheel and operates very easily.

No. W14½—W't 180 lbs. ..each $30.50

Contact Advertisin





The Original Bel
used by America's m

17 MADISON AVENUE
NEW YORK

IMPORT SIG

at the Point of Sale

an Window Signs
successful advertisers

COMPANY 56 E. RANDOLPH STREET CHICAGO

AMBASSADOR PATTERN

Grey Finish

Successfully combining the elements of correct outline with simplicity and originality of decoration

Six in Box, Prices per Dozen

5+4800.	Tea Spoons	@ 9.18	5+4802.	Soup Spoons	$19.26
5+4801.	Dessert Spoons ..	17.74	5+4804.	Dessert Forks, flat handles.	17.74
6+4802.	Table Spoons	18.36	5+4806.	Dinner Forks, flat handles..	18.36

5+4805. Bouillon Spoons, six in blue velvet lined box, per set, $12.36

Hollow Handles, Nickel Silver Silver Soldered. Six in Flannel Roll, Prices per Dozen

5+4807.	Dinner Knives	$33.78	5+4809.	Dessert Knives	$23.18	5+4811.	Dinner Forks $28.78
5+4808.	With Stainless Blades	31.30	5+4810.	With Stainless Blades	30.86	5+4812.	Dessert Forks 20.16

Solid Handles—Six in Racked Box, Prices per Dozen—Modeled Handles

6+4813.	Dinner Forks.	$12.10	5+4814.	Dessert Forks	$11.62	5+4815.	Dinner Knives. $15.02
						5+4816.	With Stainless Blades, S. & S., $21.90
						5+4817.	Dessert Knives. $14.60

AMBASSADOR PATTERN

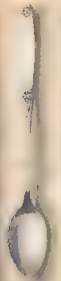
Illustrations One-Third Scale

5+4818
Coffee Spoons,
Set of six, $4.32

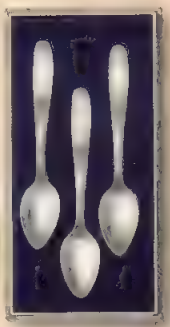
5+4820
Butter Knife and Sugar Shell, Per set, $3.46

5+4821
Sugar Shell, Each, $1.63

5+4822
Butter Knife, bent handle, Each, $1.85



5+4823
Iced Tea Spoon,
Per Dozen,
$12.36



5+4824
Orange or Grape Fruit Spoons,
Set of six, $5.54

5+4825
Salad Forks, Individual,
Set of six, $9.18

5+4819
Sugar Tongs,
Each, $3.36

5+4826. Baby Spoon, bent handle and Food Pusher,
Per set... . ---

5+4830. Child's Set, 3 pieces, Embossed Solid Handle Knife,
Per set $3.46

5+4831. Child's Set, 3 pieces,
Per set . . $3.76

5+4832. Child's Set, 3 pieces, Nickel Silver, Silver Soldered, Hollow Handle Knife, Per set, $4.59

5+4833. Cold Meat Fork, small, Each, $1.96

5+4834. Cold Meat Fork, large, Each $2.43

5+4835
Butter Spreaders
Set of six, $7.51

5+4827
Ice Cream Forks,
Set of six, $7.30

5+4828. Berry Spoon, Small, each.. .$3.33

5+4829. Berry Spoon, Large, each.... $3.78

HERALDIC PATTERN

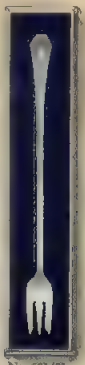
Illustrations One-third Scale

Fancy pieces in genuine velvet-lined Gift Boxes without extra charge

No. 717/81 Salad Forks, individual
Set of six, $9.18

No. 751/81
Cheese Server
hollow handle
Each, $3.27

No. 615/81
Berry Spoon
Each, $3.76



No. 681/81
Pickle Fork
long, or Olive
Fork
Each, $2.09

No. 652/81 Butter Spreaders
Set of six, $7.51

No. 727/81
Baby Spoon, bent handle, and
Food Pusher, per set, $2.30

No. 624/81 Coffee Spoons
Set of six, $4.59

No. 714/81 Cucumber or
Tomato Server, each, $4.17

No 604/81
Butter Knife and Sugar Shell
Per set, $3.48

No. 608/81
Sugar Shell
Each, $1.63

No. 609/81
Butter Knife, bent handle
Each, $1.85

Iced Tea
Spoon
Per dozen
$13.36

No. 593/81 Child's Set, 3 pieces
With Nickel Silver, Silver
Soldered, Hollow Handle Knife
Per set, $4.59

No. 596/81 Child's Set, 3 pieces
With Embossed Solid Handle
Knife, per set, $3.48

No. 116/81 Child's Set, 3 pieces
Per set, $3.76

No 647/81 Orange or Grape
Fruit Spoons, set of six, $5.84

c 6-22

HERALDIC PATTERN

Illustrations One-third Scale

Fancy pieces in genuine velvet-lined Gift Boxes without extra charge

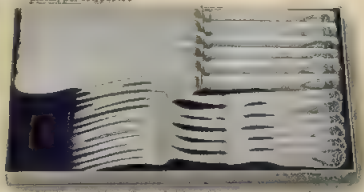
No. 636/81 Game Set, H.H.
2 pieces, per set, $15.02
No. 733/81 Bird or Steak Set
H.H., 2 pieces, per set, $9.38
No 734/81 Bird or Steak Set
H.H., 3 pieces, per set, $13.36
No 657/81 Carving Set, H.H.
3 pieces, per set, $19.60

No. 611/81
Gravy Ladle, each, $2.92
No. 610/81
Cream Ladle, each, $2.23
No. 613/81 Medium
Ladle, each, $9 04

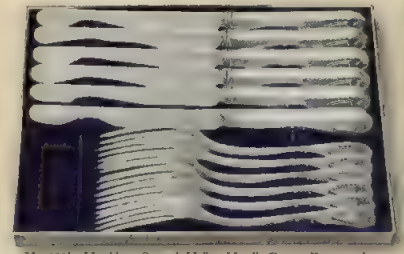
No. 662/81
Cold Meat Fork
Each, $2.43

No. 622/81
Oyster Forks
Set of six, $6.05

No. 621/81
Pie or Ice Cream
Server, hollow handle
Each, $5 98



No. 174½ Heraldic Six each No 59 Dinner Knives and No. 56 Modeled Handle Dinner Forks, per set, $13 56
No 175½ Heraldic. Dessert, per set, $13.14
No 170½ Heraldic Six each No. 56 Modeled Handle Dinner Knives and Heraldic Flat Handle Dinner Forks, $16.68
No. 171½ Heraldic. Dessert, $15 44



No. 158½ Heraldic Six each Hollow Handle Dinner Knives and Flat Handle Dinner Forks, per set, $23.58
With Stainless Blades, $24.82
No. 159½ Heraldic. Dessert, per set, $22.94
With Stainless Blades, $24.20

NO. 12 ROUND END KNIVES AND FORKS

Solid Handle
Bright or Satin

Dinner Forks $10.84 Dessert Forks $10.44

Six in Ratched Box
Prices per Dozen

Dinner Knives .....$10.54 Dessert Knives $10.44

No. 154½ Six each No. 12 Dinner Knives and Forks, per set, $10 84

No. 157½ Dessert, per set, $10.44

c 6.32

OLD COLONY PATTERN

French Grey, Bright Trimmed

Note the pierced handle and sterling effect of the design. Its popularity stamps it as one of the most remarkable patterns ever produced

Six in Box, Prices per Dozen

5+4920	Tea Spoons	$ 9.15	5+4922	Soup Spoons	$18.36
5+4921	Dessert Spoons	17.74	5+4924	Dessert Forks, La. handles	17.74
5+4923	Table Spoons	18.36	5+4925	Dinner Forks, flat handles	18.36
5+4926	Bouillon Spoons, six in blue velvet lined box, per set, $6.55				

Hollow Handles, Nickel Silver, Set in Sawdust, Six in Flannel Roll, Prices per Dozen

5+4927	Dinner Knives	$28.78	5+4929	Dessert Knives	$28.16	5+4931	Dinner Forks $28.78
5+4928	With Stainless Blades	31.30	5+4930	With Stainless Blades	30.66	5+4932	Dessert Forks 28.16

5+4933 Breakfast Knives $26.58

Solid Handles, Set in Racked Box, Prices per Dozen

5+4934	Dinner Knives	$12.10	5+4936	Dinner Forks	$12.10
5+4935	Dessert Knives	11.68	5+4937	Dessert Forks	11.68

OLD COLONY PATTERN

Illustrations One-third Scale

5+4939 Baby Spoon and Fork, short handle
Per set, $2.50
5—4939 Baby Spoon short handle
Each, $1.25
5+4940 Baby Fork short handle
Each, $1.25

5+4941
Butter Knife and Sugar Shell, per set, $3.45
5+4942 Sugar Shell
Each, $1.63
5+4943 Butter Knife bent handle, each, $1.85

5+4944
Pickle Fork long, or Olive Fork
Each, $2.09

5+4945
Child's Set, 2 pieces
Per set $3.75
5+4946
Child's Set, 3 pieces
With Embossed Solid Handle Knife, per set, $3.45
5—4947
Child's Set 3 pieces
With Nickel Silver, Silver Soldered Hollow Handle Knife
Per set, $4.50

5+4948
Orange or Grape Fruit Spoons, set of six, $5.84

5+4949
Coffee Spoons
Set of six, $6.95

5+4950
Sugar Tongs
Each, $2.36

5+4951 Ice Cream Spoons
Set of six, $5.94
5—4952 Ice Cream Forks
Set of six, $7.90

5+4953
Berry Spoon
Each, $3.78

5+4954
Iced Tea Spoon
Per dozen
$12.36

5+4955
Salad Forks, individual
Set of six, $9.18

5+4956
Butter Spreaders
Set of six, $7.61

INTERNATIONAL SILVER CO.

Ansco Junior Folding Cameras

For Any Roll Film of Standard Make

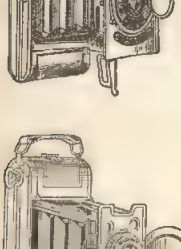
The Ansco Junior Series has been created for the purpose of supplying cameras that give maximum quality for minimum cost. They are made in three sizes: **No. 1A takes pictures size 2¼x4¼ inches; No. 2C takes pictures size 2⅞x4⅞ inches; No. 3A takes Post Card size, 3¼x5½ inches.**

These cameras are covered with best seal grain composition leather, have genuine leather bellows, superior spool holder, aluminum bed and back, two tripod sockets, vertical and horizontal foot rests. Furnished with self-leveling finder.

5+6441	**1A, Size 2¼x4¼-in. Pictures,** Single Achromatic Lens, Actus Shutter.	**$23.75**
5+6442	**1A, Size 2¼x4¼-in. Pictures,** Rapid Rectilinear Lens, Actus Shutter..	**27.45**
5+6443	**1A, Size 2¼x4¼-in. Pictures,** Anastigmat Lens F 7.5, Bionic Shutter..	**36.60**
5+6444	Carrying Case, Sole Leather, for above Cameras.....	**7.10**
5+6445	**2C, Size 2⅞x4⅞-in. Pictures,** Single Achromatic Lens, Actus Shutter..	**29.25**
5+6446	**2C, Size 2⅞x4⅞-in. Pictures,** Rapid Rectilinear Lens, Actus Shutter..	**32.90**
5+6447	**2C, Size 2⅞x4⅞-in. Pictures,** Anastigmat Lens F 7.5, Bionic Shutter..	**42.00**
5+6448	Carrying Case, Sole Leather, for above Cameras.....	**7.10**
5+6449	**2A, Size 3¼x5½-in. Pictures,** Single Achromatic Lens, Actus Shutter .	**32.00**
5+6450	**2A, Size 3¼x5½-in. Pictures,** Rapid Rectilinear Lens, Actus Shutter	**36.60**
5+6451	**2A, Size 3¼x5½-in. Pictures,** Anastigmat Lens F:7.5, Bionic Shutter .	**45.70**
5+6452	Carrying Case, Sole Leather, for above Cameras.....	**8.00**

Ansco Vest-Pocket Film Cameras

For Any Roll Film of Standard Make



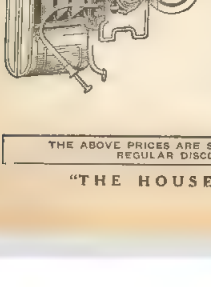
Ansco Vest Pocket Cameras stand today at the pinnacle of photographic success, distinctive in style, equipment and photographic capability. It is so small, so flat, that it can be slipped into vest, coat or hip pocket, ready for instant use.

Ansco Vest Pocket No. 0

Takes pictures 1⅝x2½ inches. Covered with fine seal grain leather. Weighs 10½ ozs. **Self opening and self focusing.** One pressure on the metal button extends and locks the bellows and, as the lens is always in focus, the camera when opened is ready for action. Fitted with single achromatic or Rapid Rectilinear lens and Actus Shutter.

5+6453	With Single Achromatic Lens	**$13.70**
5+6454	With Rapid Rectilinear Lens	**16.50**

For Films for Above Cameras See Page 263



Ansco Vest Pocket No. 2

Takes Pictures 2¼x3¼ Inches

This is a focusing camera and is supplied either with Ansco Anastigmat lens, working at F 6.3, or Modico Anastigmat lens, F 7.5, in Extraspeed Bionic shutter. **An anastigmat lens is of little value unless it can be used at full opening, which cannot be done without focusing.**

It can be used as a fixed focus camera by setting the distance at twenty-five feet and using the F 16 diaphragm opening.

The camera is fitted with a hinged watch-cover lid to protect the lens, has both vertical and horizontal brilliant view-finders, stationary footrests for support in either upright or horizontal position, heavily nickeled metal parts and genuine morocco grain black leather covering. The side arms are so supported within the body of the camera that when extended they afford, by means of their knife-joint tension, absolute rigidity in the lens plane. This is a feature, found in no other folding camera that does not have a platform or bed support.

5+6455	With Ansco Anastigmat Lens, F:7.5, Bionic Shutter.....	**$36.60**
5+6456	With Ansco Anastigmat Lens F.6.3, Bionic Shutter.....	**45.70**
5+6457	Carrying Case with Shoulder Strap.....	**8.90**

For Films for Above Cameras See Page 263

Folding Ansco Cameras

For Any Roll Film of Standard Make

These cameras are round-cornered, made of aluminum and covered with the best grade of seal grain leather, and are divided into three different classes, embracing in each class three of the most popular sizes, designated as Nos. 1A, 3 and 3A Folding Ansco (Symmetrical Class), Nos. 1A, 3 and 3A Folding Ansco (f 7.5 Anastigmat Class).

To make the Ansco series quickly and accurately adjustable for pictures the long way of the film or plate, the cameras are provided with a new patented finder—an exact radius finder, which automatically reverses the position of its plane to correspond with the focal plane of the Ansco; in other words, so that the shape and field of the picture seen of a miniature size in the finder will be identical with the actual picture to be taken on the film. There is, therefore, no chance of cutting off a pretty girl's head or leaving out a tree or other object intended to be shown in the picture.

The automatic adjustable focusing scale is another feature worthy of consideration, for with it changes necessary for different distances are made quickly and with remarkable precision. It may be set for a definite focal distance, and the bellows locked at that point automatically, but if after drawing out the bellows it is found desirable to change the distance, it can be done instantly by shifting the lever.

No. 1-A Folding Camera

Symmetrical Class—Size of Picture 2½x4¼ Inches

5+6458	With Symmetrical Lens U. S. 4 and Bionic Shutter	$34.70
5+6459	Carrying Case, sole leather	7.10

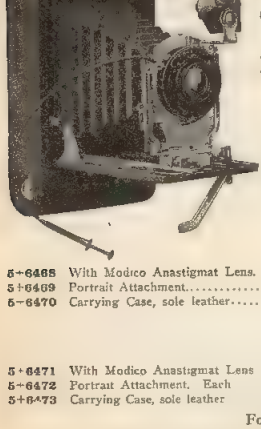
No. 1-A Folding Camera

Anastigmat Class—Size of Picture, 2½x4¼ Inches

The advantage of this class lies in the lens equipment. The cameras are fitted with a Modico Anastigmat lens, F:7.5, which is a little faster than the Symmetrical lens and the equal in definition, flatness of field, and freedom from astigmatism of the most expensive Anastigmat lens. Absolutely perfect definition, as everyone knows, is always desirable, while extreme speed is necessary only occasionally

5+6460	Price with Modico Anastigmat Lens F:7.5 and Ilex Universal Shutter	$43.90
5+6461	Carrying Case, sole leather. Each	7.10

For Films for Above Cameras, See Page 263



Nos. 3 and 3A Ansco Folding Cameras

Same General Description as Above

No. 3 Folding Ansco

Symmetrical Class

Size of Pictures, 3¼x4¼ Inches

5+6462	With Symmetrical Lens. Speed U. S. 4 and Ilex General Shutter	$34.70
5+6463	Portrait Attachment	1.50
5+6464	Carrying Case, sole leather	7.10

No. 3-A Folding Ansco

Symmetrical Class

Size of Pictures, 3¼x5½ Inches

5+6465	With Symmetrical Lens; Speed U. S. 4 and Ilex General Shutter	$41.10
5+6466	Portrait Attachment	1.50
5+6467	Carrying Case, sole leather	8.00

Folding Ansco Cameras No. 3—3-A

Anastigmat Class

The advantage of this class lies in the lens equipment. The cameras are fitted with a Modico Anastigmat lens, F:7.5, which is a little faster than the Symmetrical lens and the equal in definition, flatness of field, and freedom from astigmatism of the most expensive Anastigmat lens. Absolutely perfect definition, as everyone knows, is always desirable, while extreme speed is necessary only occasionally.

No. 3 Ansco

Size of Pictures, 3¼x4¼ Inches

5+6468	With Modico Anastigmat Lens. F:7.5 and Ilex Universal Shutter	$43.00
5+6469	Portrait Attachment	1.50
5+6470	Carrying Case, sole leather	7.10

No. 3-A Ansco

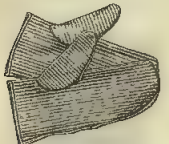
Size of Pictures, 3¼x5½ (Post Card)

5+6471	With Modico Anastigmat Lens F:7.5 and Ilex Universal Shutter	$50.30
5+6472	Portrait Attachment. Each	1.50
5+6473	Carrying Case, sole leather	8.00

For Films for Above Cameras, See Page 263

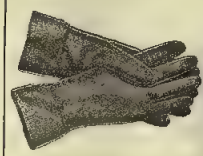
ARMY AND NAVY GOODS

White Corduroy Mitten



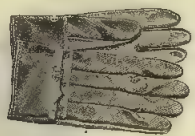
7D550—Heavy white corduroy, warm and serviceable, will outwear any two other cloth mittens. Inseam cut, set-in thumb, turned hem. 1 doz. in bdl.
Doz. **90c**

Khaki Wool Knit Gloves



All Wool Knit Glove—Fulled wool, made under Government supervision, strictly first, set-in thumb, extra long double cuff khaki color. Cannot be manufactured today for less than $3.50 per doz. Sold sizes 9, 10 and 11. SPECIFY SIZES.
7D7183—1 doz. in bdl. Doz. **$2.00**

Leather Faced Glove



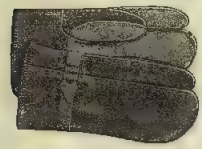
7D542—8 oz. olive drab canton flannel heavy fleece nap, 3 seam back, heavy split leather full palm and ¾ thumb, soft gauntlet cuff with adjustable back strap. WORTH ABOUT $4.00 DOZ. 1 doz. in bdl. Ship's delayed
Doz.

One Finger Unlined Mitten

7D504—No. 1 full grain yellow horsehide palm, thumb and full forefinger, self wrist pad split back and gauntlet with adjustable back strap. Assrd sizes. 1 doz. in bdl.
Doz. **$4.50**

Wool Lined Winter Work Mitten

Our Navy's best and warmest mitten—worth about $10.50 a doz.



7D575—Highest quality, heavy wool lined, 1 finger mitten, very heavy leather split palm and ¾ thumb, special heavy olive drab canvas back and cuff, adjustable leather buck strap. 1 doz. in bdl.
Doz. **$5.50**
Lots of 4 doz. " **5.25**

Army Work Hat

6AD80—Assrd. OLIVE DRAB, KHAKI and BLUE denim, 6-8 crown, crusher style, stitched brim, heavy sweat band, wide deep seams. Assrd sizes 6¾ to 7⅞. 1 doz. in bdl.
Doz. **80c**

Regulation Army Overseas Cap

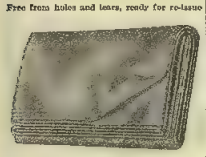
6AD85—OLIVE DRAB, all wool regulation army overseas cap. Knows the world over. Assrd. sizes 6⅞ to 7⅝. 1 doz. in pkg.
Doz. **90c**

Army Felt Hat

6AD14—High grade fur felt, OLIVE DRAB, staple block can be worn in different shapes, 2¾ in. stitched flat brim, 5¾ in. crown, 10 line fancy silk band and bow, 4 eyelets, heavy reeded leather sweat, gutchoil lace tie-strings. These are new and Class B hats that were ready for re-issue, all guaranteed in first class condition. They cost the Government from $18.00 to $27.00 per doz. Solid or assrd sizes 6¾, 7, 7⅛. SPECIFY SIZES.
½ doz. in box
Doz. **$9.00**

"Class B" Emergency Army Blankets

Free from holes and tears, ready for re-issue



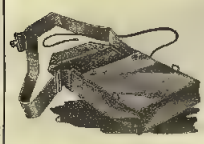
9D2065—Aver. 60x80, weight 4 to 4½ lbs., OLIVE DRAB, 75% wool, washed & scrubbed, overlock stitched edges.
Each. **$2.95**

New Gray Blanket

75% or More Wool

9D3010—65x86, 4½ lbs., OXFORD GRAY, new stock, contains 75% or more pure wool, heavy compact nap, black mercerized overstitched ends. American Woolen Co's product, priced considerably below all other Government goods.
Each. **$3.75**
Lots of 25. " **3.50**

The Bag of a Thousand Uses



8A180—10x10, unused empty Government gas mask bag, waterproof khaki, snap flap, web carrying strap. 25 in pkg.
Each **10c**

Officers' Trunk Kit Bag

8A915—Army OLIVE DRAB double filled waterproofed 12 oz. canvas, 24 in. long, 13 in. high, 13½ in. wide strongly sewed throughout, 1½ in. heavy web straps, nonrust adjustable buckles. Has carrying all for camping just the kind of a trunk that can be strapped on the running board of a car, selling at one-third of today's manufacturing cost.
each **$1.75**

Web Belt

7D4066—⅜ in. OLIVE DRAB extra heavy web, metal cap prevents fraying, detachable and adjustable Government regulation metal buckle. Will outwear 3 ordinary belts. Assrd sizes 32 to 40. 1 doz. in bdl.
Doz. **80c**

Black Sewing Silk

No. 5 Size D black sewing silk U. S. Navy standard 16-ounce pure silk superfine finish, warranted never fade silk, 100 yds on spool. 1 doz. in pkg.
Doz. **$0.95**
Lots of 10 doz. " **.94**

Army Medical Belt

5A972—U. S. Medical Corps belt with 10 pockets of first aid necessities including gauze, 2 yds. 1 in. adhesive tape, hand flask, etc. belt has many uses after contents are exhausted. Worth $2.00 or more.
Each. **$1.00**

New Army Barrack or Laundry Bag

N3080—30x24 in., extra heavy brown, white and blue duck and denim, strongly made, heavy rope drawstring top with strong brass eyelets.
Assrd 1 doz. in bdl
Doz **$4.00**

Handled Axes

2H7421—3 to 4½ lbs. fitted with high grade hickory handles all the best standard makes at half price. "Kelley" "Plumb" etc. New axes which have not been used but the finish is marred from handling and some are rusted.
1 doz. in bdl
Doz **$8.50**

SEE pages 400-402 for Comparison Assortments of Spring Textiles.

ARMY AND NAVY GOODS

FIRST QUALITY ARMY GOODS FOOTWEAR

Made for the U. S. Government and include the following well known makes. Hoods' Bullseye, Ball Band, U. S. Rubber Co's, Goodrich Rubber Co's and Lambertville Rubber Co's brands.

Men's 4 Buckle All Rubber Arctic

5K8000—Railroad walrus, "First Quality Army Goods," entire surface dull black rubber coated waterproof and sanitly cleaned, extra heavy sole and heel, re-inforced toe and back 4 buckle snow excluding. W width sizes 7 to 12.

12 pr. lots, 1-7, 1-8, 1-9, 3-10, 2-11, 1-12. Pr. **$1.70**

Singly, " **1.85**

When ordering less than 12 pairs, sizes must be based on above scale.

Men's Four Buckle Felt Top Arctic

5K8001—"Portland," 4 buckle, extra heavy black rubber sole and heel, reinforced back cashmerette uppers, wide widths, 12 prs in case assd. as follows, 2-9, 2-7, 2-8, 2-9, 2-10 and 1-11 Sold in case lots only. Pr **$2.50**

8 Eyelet Lace 15 Inch All Rubber Shoe

W width railroad sole and heel, full rubber surface, water and snowproof heavy knit lining, uses an all-around service shoe especially for miners, dairymen, railroad and lumber camp work.

Open Stock—1 pr. in carton. SPECIFY SIZES

5K7001 Sizes 7, 8, 9, 10 and 11. ... Pr. **$2.50**

Case Asst 12 prs., assd sizes in case ... Pr. **$2.25**

5K7005 Asstd. 3 prs. each, sizes 7, 8 and 9; two size 10, one size 11. (Total $27.00)

U. S. Army Surplus Work Shoe

6K7005—Heavy duty, solid leather throughout, unlined, grain uppers, smooth surface inside for foot comfort, heavy stitched, half bellows tongue, solid brass eyelets, 3 full grain leather soles running through to back of heel, grain leather insole, sewed and pegged.

Pr. **$2.15** Lots of 24 prs., Pr. **$2.00**

Note: These shoes were bought from the Government and on their size asst. which runs approximately, as follows on 24 pr. lots: 1 pr. 6½, one 7½, two 8½, three 9, four 9½, four 10, four 10½, two 11, two 11½ and one 12. On orders for less than 24 prs. we will furnish best asst. possible on above basis. Some small sizes are light Goodyear marching shoes with light soles.

Men's Rubber Hip Boot

6K8060—Duck vamp, first quality army goods, dull black rubber surface, heavy weight sole and heel, fusion lining, knee patch top with strap, wide width, sizes 8 to 11.

12 pr. lots, 4-8, 5-9, 2-10, 1-11. Pr. **$2.65**

Singly, " **2.80**

When ordering less than 12 pairs, sizes must be based on above scale.

Extra Size "Bull Durham" Smoking Tobacco

Here is that well known brand that pays you an exceptionally big profit.

1Y8404—"Bull Durham," 1⅝ oz., extra size pkg contains ⅛ oz. more than the regulation 1½ oz. pkg and costs you less. ¼ doz. pkgs in carton. (Total $3.12) Doz. pkgs. **78c**

"Tuxedo" Smoking Tobacco

Famous brand that makes a big 15 center for you.

1Y8413—"Tuxedo," 1⅝ oz. tins, 2 doz. in pkg

Doz. **$1.15** Grs. **$13.20**

Do you know how to put pressure on profit payers? See page 395

Each Bar Bears This Imprint "Made by The Palmolive Co."

SENSATIONAL SOAP VALUES

Each Bar Bears This Imprint "Made by The Palmolive Co."

To Sell For 2 for 5c—5c—and 10c

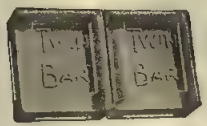
"Fairy Queen"

2 for 5c Seller

1Y5600—2½ oz., fine quality milled stock, well scented, pink, white and green colors. Assid. 1 gro. in case.

Gro. **$2.75**

"Twin Bar" Cocoanut Hard Water



1Y5603—5 oz., cocoanut hard water soap, variegated color, well scented, will not injure delicate skin, lathers freely in all waters. 3 doz. in case.

Doz. **45c** Gro. **$5.25**

Rose Glycerine Transparent

Extra fine quality rose scented, very desirable for delicate skin.

1Y5606—4½ oz., square cake. 3 doz. in box.

Doz. **45c** Gro. **$5.25**

1Y5607 8¼ oz., square cake. 3 doz. in box.

Doz. **83c** Gro. **$9.45**

Almond and Cocoa Oil

Special 10c Seller

1Y5605—8 oz., square cake, extra well scented, pure stock, lemon, cocoa and almond cocoa. Assid. 3 doz. in case.

Doz. **83c** Gro. **$9.45**

"Big Five" Assortment

1Y5601—4 oz., oblong cake, high grade milled stock, elder flower, geranium, rose, glycerine and oatmeal. Assid. 1 gro. in case.

Gro. **$4.80**

"Jumbo Four" Assortment

1Y5602—4½ oz., oval cake, highly milled stock, elder flower, geranium, rose and oatmeal. Assid. ½ gro. in case

Gro. **$5.40**

"Jumbo Ten" Assortment

1Y5604—8¼ oz. (full half pound bar), pure milled stock, well scented, geranium, lemon and rose. Assid. 3 doz. in case.

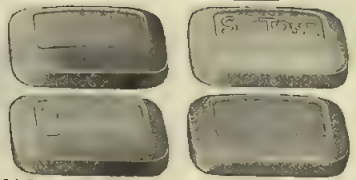
Doz. **85c** Gro. **$9.75**

THE BIGGEST SOAP VALUES THAT MONEY CAN BUY

Toilet soaps in new weights at new low prices. Every number is a big repeater

"REMMER'S PARAGON" TOILET SOAPS

"Arban"—2½ oz., pure French floating cake, with stand carnation and bouquet, assorted purple, pink and white. Retails for 5c.
IX5621—4 gro. in case.
Gro. **$2.75**



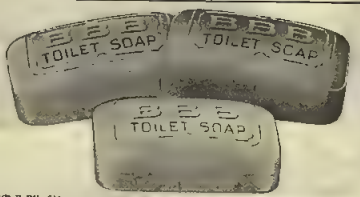
"Soft Tone"—square cake, pure milled stock, assorted with hand-free bouquet and oatmeal.
IX5622—½ gro. in case.
Gro. **$4.80**

Lemon Cocoa Hardwater Castile—5 oz., pure cocoanut oil stock, lemon odor, lemon color
IX5624—3 doz. in case.
Doz. **45c** Gro. **$5.25**

"National Bath"—4½ oz. oval cake, high grade French milled stock, scented, rose, violet, buttermilk and oatmeal assorted
IX5623—Assrd. 3 doz. in case.
Doz. **45c** Gro. **$5.25**

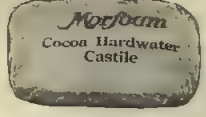
"Paragon Palm"—4 oz. square bar, made entirely of oil from cocoanuts, palm nuts and olives, pure milled stock
IX5625—3 doz. in case.
Doz. **44c** Gro. **$5.15**

"Paragon" Castile Soap—4 oz. square cake, white, with floral stock, almond scented
IX5627—3 doz. in case
Doz. **44c** Gro. **$5.15**



"B-B-B"—6½ oz. square cake, French milled stock, rose, witch hazel and bouquet, IX5628 Assrd. 3 doz. in case
Doz. **84c** Gro. **$9.50**

Mechanics' Tar Soap—5 oz. oval cake, French milled stock, with pine tar and powdered pumice.
IX5626—3 doz. in case.
Doz. **44c** Gro. **$5.15**



"Morfoam" Hardwater Cocoa Castile—8 oz., pure white cocoanut oil soap.
IX5629—3 doz. in case.
Doz. **83c** Gro. **$9.45**

"Paragon Peroxide"—5½ oz. round cake, highest quality and purity oxidizing peroxide, transparent wrapper. 1 doz. in box
IX5630—3 boxes in case (no less sold).
Doz. **79c** Gro. **$9.00**

"Paragon" Washrag Castile—3 oz. square bar, milled stock, each cake wrapped with knitted wash cloth, bonded.
IX5631—3 doz. in case.
Doz. **83c** Gro. **$9.45**

RUBBER GOGGLE

Per Dozen

No. RG.—Made of Fine Quality Red Rubber... ..... **$12.00** --- ---

One dozen in a box. Weight, per dozen, about ½ pound.

EYE PROTECTORS

Two-inch Round German Silver, Riding Bow Frame, Special Bridge, Fine Amber Glass Used in Gunning, Fishing, Automobiling. Also Very Fine for Traveling on Land or Water.

Per Dozen

No. 100—With Case..... **$7.50** --- ---

One pair in a flat case.

ALBEX

Large Curved Lenses in Amber For Grinders, Trainmen, Machinists Also for Automobilists and Sportsmen. The Patented Features Render Complete Protection with Perfect Comfort to the Wearer. The Eyes are Protected from All Points. There is No Pressure on the Nose or Face or Cutting of the Ears The Protectors are Substantial Yet So Built that They May Be Worn with Constant Ease. The Lenses May Be Replaced.

Per Dozen

No. A1—With Case..... **$16.00** --- ---

One pair in an oval top case.

GOGGLES

DUST

Medium Size Aluminum Cups, Wedge Shaped, Giving Wide Angle of Vision Good Quality Leather Masks. Slightly Smaller than No. 15. Stout Elastic Cord Clear Flat Glasses.

	Per Dozen
No. 10	$1.80 -- --

One dozen in a box. Weight, per dozen, about ½ pound.

JUMBO

Large Size Aluminum Cups, Wedge Shaped to Give Wider Angle of Vision. Large Leather Masks. Clear Curved Glasses.

	Per Dozen
No. 20	$3.00 --- ---

One dozen in a box. Weight, per dozen, about ¾ pound.

STORMER

Aluminum Cups of such a Large Size that Goggle Can be Worn Over Ordinary Size Spectacles and Eye-glasses, Giving Wearer an Unobstructed Distant Vision. Unusually Large Mask to Protect Face from Storms Stout Elastic Cord. Clear Flat Glasses

	Per Dozen
No. 25	$4.25 --- ---

One in a carton, one dozen in a box. Weight, per dozen, about 1¼ pound.

BERKSHIRE

Large Size Aluminum Cups, Wedge Shaped to Give Wider Angle of Vision. Clear Curved Glasses. Extra Quality Leather Masks, Assorted Grains and Colors in Each Dozen Bound with Velvet Most Popular Goggle of the Season

	Per Dozen
No. 35	$6.00 --- ---

One dozen in a box. Weight, per dozen, about ¾ pound.

SLIP-OVER

Aluminum Cups Large Enough to be Worn Over Ordinary Size Spectacles and Eye-glasses, Giving Wearer Perfect Vision Clear Curved Glasses. Mask is 4 Inches Wide, Protecting the Face from Storms, and is Made of Fine Selected Tan Ooze Russet Grain and Black Seal Leather. Six of Each Color Leather in a Dozen. Stitched and Tooled. Adjustable Band

	Per Dozen
No. 50	$10.00 --- ---

One in a carton, one dozen in a box Weight, per dozen, about 2¼ pounds.

BICYCLE SIREN ALARMS

MAJESTIC

Attaches to left side of front fork by Bracket with two Bolts and Nuts. Is operated by the pulling of a Heavy Cord, One End of which is attached to a lever on the Siren and the Other End to the Handle Bar. This brings the Roller in contact with the tire and the Alarm gives forth a Melodious Whistle of Great Intensity.

	Per Dozen
No. 10—Nickel Plated. Diameter, 3 inches. Width, 1⅜ inches. Two in a box. Weight, per box, about 1¼ pound.	**$14.50** --- ---

BICYCLE HORNS

Spun Brass Bell and Bend, diameter of Bell, 2¼ inches. Length over all, 7½ inches. Best Quality Rubber Bulb, diameter, 2½ inches.

	Per Dozen
No. 3 Nickel Plated. One in a box. Weight, per dozen, about 5½ pounds.	**$22.00** --- ---

Built like an Automobile Horn and makes a similar sound. All Working Parts run on Hardened Steel Bearings and are built to last for years.

	Each
No. SHH One in a box. Weight, each, about 5 ounces	**$3.00** --- ---

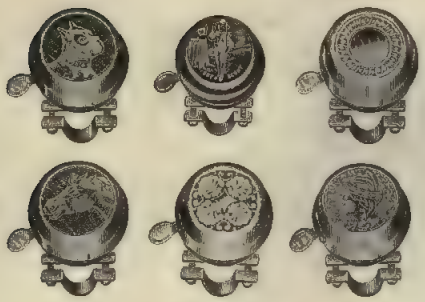
Spun Brass Bell, diameter, 2½ inches. Length over all, 9½ inches. Best Quality Rubber Bulb, diameter, 2½ inches.

	Per Dozen
No. 18—Nickel Plated. One in a box. Weight, per dozen, about 4½ pounds.	**$15.00** --- ---

Spun Brass Bell, diameter, 1⅞ inches. Length over all, 9 inches. Good Quality Rubber Bulb, diameter, 1½ inches.

	Per Dozen
No. 15—Nickel Plated. One in a box. Weight, per dozen, about 2¼ pounds.	**$10.00** --- ---

BICYCLE BELLS



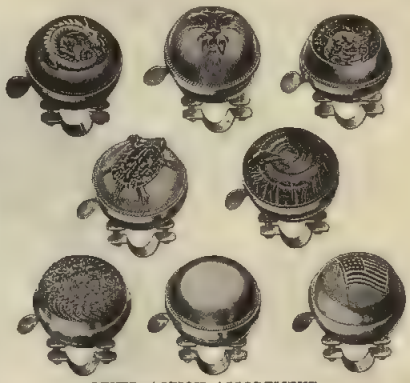
MASCOT ASSORTMENT

This assortment is made up of the Bells illustrated above, and, besides being the lowest-priced assortment on the market, it is sure to sell quickly because the designs particularly appeal to youth. Packed, one dozen Bells in a container, each dozen made up of three each of the Horse, Bull-dog and Boy Scout Bells, and one each of the Pocahontas, Grecian and Scroll designs. This assortment is absolutely new this season.

Per Dozen

No. M. A. ..... **$5.50** --- ---

One in a carton, one dozen in a box.
Weight, per dozen, about 1¼ pounds.



LEVER ACTION ASSORTMENT

2¼-inch Screw Clamp. Made of Superior Bell Metal, Highly Finished in Silver Nickel and Brilliant Enamel. Put up in assortments of one dozen.

Per Dozen

No. Z00 ..... **$6.00** --- ---

One in a carton, one dozen in a box
Weight, per dozen, about 4½ pounds.

PUSH BUTTON ASSORTMENT

2¼-inch Screw Clamp. Enameled in Colors or Nickel Finish. Continuous Ringing. Cast Bell Metal Gong. Assortment contains three each of the above Bells.

Per Dozen

No. P. ..... **$10.00** --- ---

One in a carton, one dozen in a box. Weight, per dozen, about 6 pounds.

BICYCLE TIRE CHIMES

SANDOW

The Sandow Tire Chime is a Siren Type Alarm which is attached to the Front Fork of a Bicycle. By Pulling the Cord running from the Handle Bar to the Whistle, the Fly Wheel is brought in contact with the Front Tire causing the Inner Drum to Revolve, which gives a Loud Shrill Penetrating Noise. Sturdily constructed, simple in operation.

Per Dozen

No. S. T. C.—Sandow Tire Chime. ..... **$10.00** --- ---

One in a box. Weight, per dozen, about 9 pounds.

Period Cane Chairs and Rockers—SOLID MAHOGANY

The pieces shown on this page are made only in solid mahogany throughout. The refinement embodied in these chairs and rockers is made possible only by the skilled workmanship and the genuine wood used. The lines are particularly distinctive and dignified. The soft brown finish of the pure mahogany wood adds charm to the home. The genuine double strand finely woven cane back and seat make the rockers attractive and appealing.

The period designs are very faithfully carried out. The comfort these articles insure is remarkable.

Hand Rubbed Finish

Solid mahogany. Cane seat and back. Finished brown, dull rubbed. Weight, 25 lbs.

No. 1612 /14 Rocker. Each $36.20
No. 1612½/14 Arm chair to match. Each..... 35.20

Solid mahogany. Cane seat and back. Finished brown, dull rubbed. Weight, 25 lbs.

No. 3050 /14 Rocker. Each $37.50
No. 3050½/14 Arm chair to match. Each 36.50

Shipped from Chicago Warehouse

Solid Mahogany. Cane seat and back. Finished brown, dull rubbed. Weight, 25 lbs.

No. 1755 /14 Rocker. Each $60.50
No. 1755½/14 Arm chair to match. Each 59.50

Solid mahogany. Cane seat and back. Finished brown, dull rubbed. Weight, 25 lbs.

No. 1858 /14 Rocker. Each $49.00
No. 1858½/14 Arm chair to match. Each..... 48.50

Upholstered Period Chairs and Rockers of the Highest Class

Dame Fashion's demand is for the beautiful period models shown below and quality is of utmost importance. We have limited our showing to only the finest of solid mahogany.

Hand Rubbed Finish

Solid mahogany. "Auto" box spring seat (removable) Back and seat upholstered with good grade velour, damask or tapestry. Finished brown mahogany. Weight, 30 lbs.

No. 53 /15 Rocker. Each $30.00
No. 53½/15 Arm chair to match. Each..... 28.00

Solid mahogany. Spring seat, web bottom Upholstered with good grade velour, damask or tapestry Finished brown mahogany. Beaded front posts. Weight, 30 lbs.

No. 2001 /15 Rocker. Each $71.50
No 2001½/15 Arm chair to match. Each..... 70.50

Shipped from Chicago Warehouse.

Solid mahogany Spring seat, web bottom. Upholstered with good grade velour, damask or tapestry Finished brown mahogany. Weight, 50 lbs.

No. 3086 /15 Rocker. Each $54.00
No. 3086½/15 Arm chair to match. Each..... 53.00

Solid mahogany. Spring seat, web bottom. Back and seat upholstered with good grade velour, damask or tapestry Finished brown mahogany. Weight, 50 lbs.

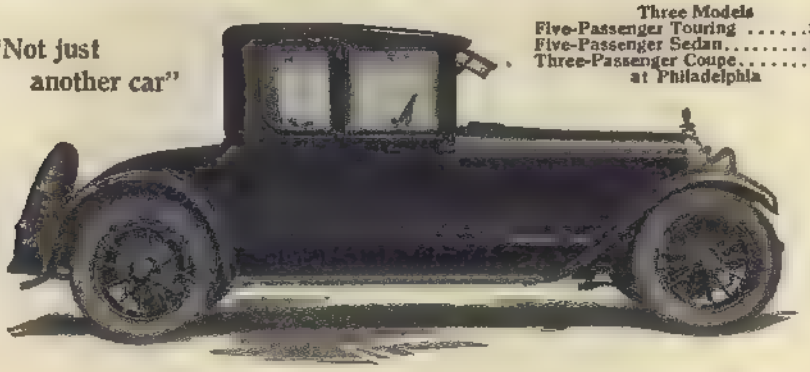
No. 1869 /15 Rocker. Each $62.00
No. 1869½/15 Arm chair to match. Each..... 61.00

READ CAREFULLY—Do Not fail to specify what material and color is desired in upholstering material.

The Beautiful, Powerful, Air-Cooled FOX

"Not just another car"

Three Models
Five-Passenger Touring $2975
Five-Passenger Sedan..... 3975
Three-Passenger Coupe..... 3975
at Philadelphia



A Car With a Reason for Being

The FOX meets the long-standing demand for a car with the beauty and power of the best water-cooled types, plus the admitted advantages of air cooling. In all truth, the FOX is "not just another car."

A noted designer of noted cars, D. McCall White, predicted overhead camshafts and overhead valves for the cars of the *future*. He further prophesied an increase in the number of air-cooled cars. FOX is air cooled and it has overhead valves, operated by an overhead camshaft now—*today!*

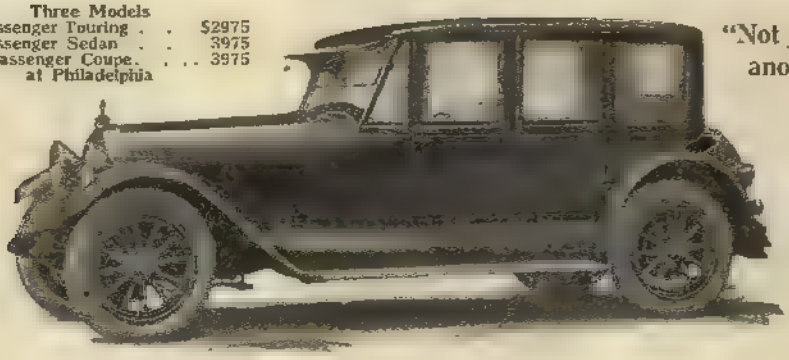
The FOX cannot overheat and it cannot freeze! FOX perfected air cooling is the result of Mr. Fox's war experience with the air-cooled machine gun. He applied the principle to the automobile with marked success. Compare the FOX with ANY car!

FOX MOTOR CAR COMPANY
PHILADELPHIA

THIS SYMBOL IN ANY ADVERTISEMENT MEANS: SEE "CHILTON AUTOMOBILE DIRECTORY" FOR COMPLETE BUYING INFORMATION

The Beautiful, Powerful, Air-Cooled FOX

Three Models
Five-Passenger Touring . . $2975
Five-Passenger Sedan . . 3975
Three-Passenger Coupe. . . . 3975
at Philadelphia



"Not just another car"

A Car that is Unusual

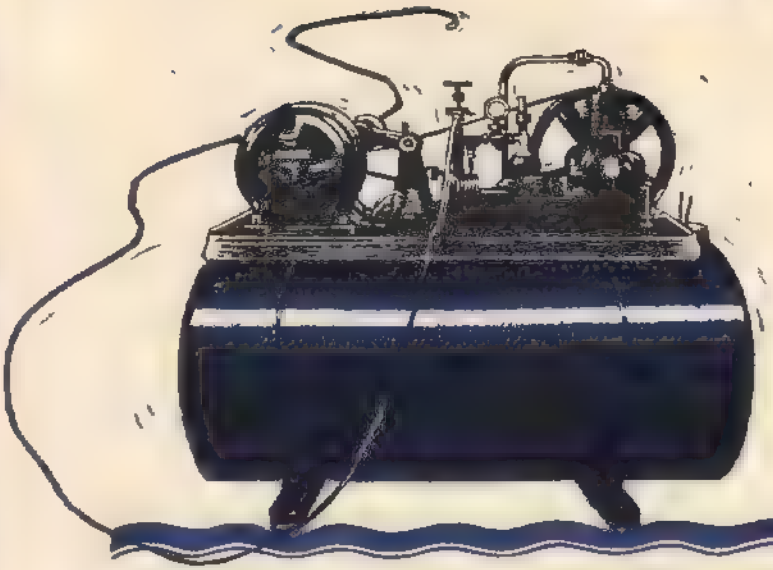
There is nothing ordinary or conventional about the looks of the FOX. Its lines are distinctive—a fact apparent to the uninitiated. Its finish is really the last word in fine coach building. Unusual!

Six silent cylinders develop 50 horse-power, to sweep you along the straightaways and up the stiffest grades with ease and agility. Cradled in luxurious comfort, the road is the FOX owner's to dominate at will.

The FOX franchise appeals to the best class of dealer-representation. There are still some valuable territories to be assigned, and we suggest that you write, wire or telephone for our proposition. This, of course, places you under no obligation to go further into the matter.

FOX MOTOR CAR COMPANY
PHILADELPHIA

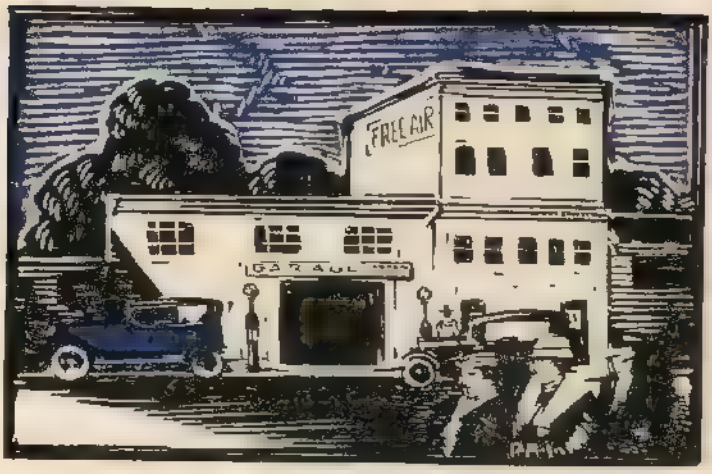
THIS SYMBOL IN ANY ADVERTISEMENT MEANS: SEE "CHILTON AUTOMOBILE DIRECTORY" FOR COMPLETE BUYING INFORMATION



KELLOGG
AIR EQUIPMENT

Beyond Compare for Pumping Air

KELLOGG
Manufacturing Co.
Rochester, N. Y.



BETTER AIR SERVICE

TO make your air compressors show a profit it is necessary to install something more than a pump, a tank, and a motor.

Years of knowing how plus years of studying your problems are back of every Kellogg Compressor—they are trouble-proof, fool-proof and require practically no attention.

The Kellogg organization is geared to see that every Kellogg Compressor works all day, every day, year in, year out, it is equipped to render complete satisfactory service.

Ask us about the Kellogg line and what we mean by "Air Service."

KELLOGG
COMPRESSORS

Easter Goods

CANDY NOVELTIES

CHOCOLATE MARSHMALLOW NOVELTIES

Penny Seller

2Y1958I — White marshmallow centers, chocolate covered. 120 in box. Box, 78c

5c Seller

2Y1126—6 in. high marshmallow center extra. Large sizes. 24 in box. Box, 80c

CHOCOLATE CREAM EASTER NOVELTIES

5c Sitting Rabbit. Hollow molded cream chocolate covered. 2Y1107—24 in box. Box 85c

10c Sitting Rabbit. Hollow molded cream chocolate covered, decorated with sugar icing. 2Y1109—12 in box. Box, 85c

10c Chocolate Cream Egg. Large size, fancy decorated colored chocolate covered. 2Y1131—12 in box. Box, 85c

5c MARSHMALLOW BASKET

2Y1813—6 in. high, good quality marshmallow, with handle, in colors. 24 in box. Box, 84c

MARSHMALLOW EASTER NOVELTIES

Soft Mazd mallow Fluffy Flocks—Decorated with sugar icing and colors, sugar sand Chicks, rabbits, eggs and birds, assorted in parchment box. 2Y1037—24 in box. Box, 84c

Chickens—Soft marshmallow, yellow sugar frosted, head trimmed with icing in colors. 2Y1048—120 in box. Box, 84c

5c CHOCOLATE EASTER NOVELTIES

5c Chocolate Cross—3½ in., vanilla cream center, carton sealed. 2Y1137—24 in box. Box 85c

5c Rooster—Hollow molded cream chocolate covered. 2Y1106—24 in box. Box, 88c

10c CHOCOLATE EASTER NOVELTIES

10c Rooster—Hollow molded cream chocolate covered, decorated with sugar icing. 2Y1110—12 in box. Box, 85c

10c Chocolate Cross—3 in., vanilla cream center, chocolate coated. 2Y1138—12 in box. Box, 90c

MARSHMALLOW PENNY CANDY NOVELTIES

Rabbit—Soft white marshmallow rabbits, sugared with pink candy eyes. 2Y1152—120 in box. Box, 84c

Chick—Soft yellow marshmallow chicks, sugared colored candy eyes and bill. 2Y1158—120 in box. Box 84c

BUTTER CREAM EASTER NOVELTIES

Barn Yard Mixture

2Y1748—8 designs, high grade butter cream, chicks, chicks, rabbits, roosters, lambs, sheep, etc., in all colors and flavors—vanilla, strawberry, raspberry, chocolate. About 100 pieces to lb. Sold by weight or count—4 pieces for 10c. 30 lbs. in wood pail. Lb 13½c

CHOCOLATE CREAM TWIN CHERRY EGG

Ten Center

2Y3327—2 whole cherries in each egg, very soft cream centers, vanilla flavor. Each egg wax paper wrapped in individual box, decorated in bright colors. 24 in counter display box. Box, $1.50

MILK CHOCOLATE NOVELTIES

Made of pure milk chocolate, hollow mold.

Sitting Rabbit—10 center, 4½ in. high. 2Y1886—1 doz. in box. Doz 84c

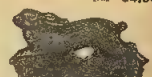
Standing Rabbit—1 doz. in box. 2Y1523—5 center, 4 in. high. Doz $0.90
2Y1307—10 center, 3 in. high. Box, .84

Hen on Nest—10 center, 3½ in. high. 2Y1870—1 doz. in box. Doz 84c

Running Rabbit—25 center, 7½ in. long. 2Y1868—½ doz. in box. Doz. $1.95

Hen on Nest—25 center, 4½ in. high. 2Y1371—½ doz. in box. Box $1.95

Hen on Nest—50 center, 6 in. high. 2Y1373—½ doz. in box. Doz $4.00



Running Rabbit—50 center, 9½ in. long. 2Y1369—½ doz. in box. Doz $4.00

PRICE TICKETS SELL GOODS

MILK CHOCOLATE EGGS

Hollow mold, very attractive, fancy designs scroll work and hand decorations

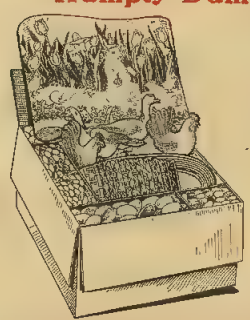
2Y1402—Egg, 5 center, 3 in. long. White decorated figures, doves, rabbits, birds and fancy scroll work. Assid. 2 doz. in box. Box, 42c (Total, 84c)

2Y1304—Egg, 25 center, 4 in. long, trimmed with purple colored ribbon. ½ doz. in box. Box $1.95

2Y1363—Egg, 10 center, 3½ in. long. 1 doz. in box. Doz 84c

2Y1365—Egg, 50 center, 4½ in. long trimmed with purple colored ribbon. ½ doz. in box. Doz $4.00

"Humpty Dumpty" Easter Egg Asst.



Big variety of Eggs with complete window trim—10 ft. crepe paper of Easter design—ducks, roosters and geese—and a quantity of green excelsior. Big Profit Paying Assortment.

2Y110—5 kinds and styles, many colors and flavors. Assortment consists of:
4 feathered birds.
8 baskets in bright colors.

		Total Retail
135 M M Eggs	1 for 1c	....$1.35
420 M M Eggs	2 " 1c	.. 2.10
1080 Cream Eggs	8 " 1c	. . 2.16
1440 Jelly Eggs	7 " 1c	.. 2.06
1064 Jelly Eggs	4 " 1c	. 2.06
Retail value of Eggs ...		$10.83
" " " Premiums .		1.50
Total retail value of asst		....$12.33

Your profit $5.38 Assortment complete, **$6.95**

Easter Goods

CANDLES AND PARTY GOODS

"MIDGET" BIRTHDAY CANDLES

2½ in., genuine stearic wax, burn slowly and brightly. 2 dos in box Asstd 2 dos. boxes in carton.

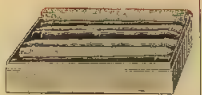
F4089—White	Doz. boxes	36c
F4091—Pink		
F4093—Green		
F4094—Yellow	(Total 6 doz.)	
F4092—Red		

"MONARCH" BANQUET CANDLES

5½ in. long superior quality, twist pattern. Wrapped 1 doz. in box.

F4104—Red	
F4105—Pink	
F4106—Green	Box 21c
F4107—Yellow	
F4108—Violet	
F4110—Dark blue	
F4109—Asstd colors	

TAPERED CANDELABRA CANDLES



12½ in. long, high grade hand roped finish, exceptionally fine solid colors. Biggest selling candle line today. 1 doz. in box. Loose and carton wrapped.

F4120—Orange	F4127—Old rose
F4121—Yellow	F4142—Mahogany
F4122—Gold	F4147—Black
F4123—Pink	F4144—White
F4124—Red	F4145—Lavender
F4125—Dark blue	F4146—Cream
F4126—Green	

Doz. 87c

F4127 ASSTD 2 each, red white pink green dark blue and yellow Doz. 87c

"TWISTED" CANDELABRA CANDLES

8½ in. long high quality twisted wrapped candelabra light blue.

F4184—Yellow	
F4186—Orange	
F4182—Pink	Box of 6 27c
F4188—Red	
F4180—Red	
F4190—Dark blue	
F4191—Old rose	
F4194—Lavender	

SNAPPING MOTTO ASSTS.

F4088 2¾ in. assted styles and colors, finest Dennison crepe paper large ribbon rose decorated, contains hats, metal favors and snappers. Asstd, 3 doz. in box. Doz 37c

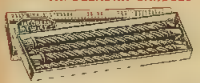
ROSE CAKE CANDLE HOLDERS

For midget candles, on holiday and birthday cakes, etc. Absolutely harmless composition, spiral vase, paper center cup, pin to stick in cake. 100 in box.

F4135—Pink	
F4136—White	BOX of 100
F4137—Red	
F4138—Green	68c
F4139—Yellow	

F4140—Assted proportioned assorted colors. BOX of 100. 68c

JACOBEAN TWIST CANDELABRA CANDLES



13½ in. long, high grade, exceptionally fine solid colors, tinsel wrapped. 4 in box.

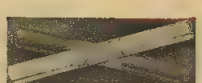
F4131—Pink	
F4133—Dark blue	BOX of 4
F4134—Yellow	
F4132—Green	26c
F4138—Red	

NOVELTY CANDLESTICK

F4088 Metal, 6 in high, 4 in base, assted imitation hammered brass with floral decorations and mahogany finishes. 1 doz in box.

Doz 85c

"LENOX" EASTER CREPE PAPER



"Lenox" Rolls Full size 10 ft. roll, 20 in. wide, extra fine crepe. 10 rolls of color in box.

S186—White	Box
S196—Dark purple	85c

(Total 58c)

Per 100 rolls. $5,40

Easter Ribbon Streamers White and purple combination, 3 in. wide, 45 ft. long, best quality crepe paper stock.

S5217—1 doz. rolls in box. Doz. rolls, 72c

EASTER GREETING CARDS, BOOKLETS AND FOLDERS

5c **Cards and Folders**—50 subjects, average 4¼x3¼, appropriate Easter designs, daintily colored in soft water color effects, tinted and gold borders. Easter greetings and verses.

S5560 Asstd 100 in display cabinet with envelopes. Cabinet, $2,50

10c **Cards, Folders and Booklets**—50 subjects, average 4¼x3¼ deals. Easter designs on high grade white and tinted card stock, hand tinted and soft water color effects, some with tinted borders and silk ribbon tied. Easter verses and texts.

S5561—Asstd, 50 in display cabinet with envelopes. Cabinet, $2,50

10c **Cards and Booklets** 25 subjects, 4x5, cute juveniles, bunnies, chicks, Easter scenes, birds and landscapes, hand colored effects. Linen finish stock, some with borders. Asstd leaflets and cards, each with envelope.

S5212—Asstd, 50 in box. Each, 5c (Total $2 50)

EASTER POST CARDS

S5564—50 subjects, cute chicks, bunnies, floral sprays and vases, Spring landscapes, etc., dainty Easter color effects, appropriate Easter verses and greetings. Asstd. 200 in pkg.

(Total 10c) Per 100, 45c

S5565—52 subjects, cute kiddies, Easter lilies, crosses, churches, country landscapes, etc., with floral decorations, 10 color brilliant water color effects. Easter verses and texts. Asstd 100 in box. Per 100, 65c

EASTER CUT-OUT NOVELTIES

S5914—25 styles, over 4½x5, cute cutout bunnies and Easter decors., hand painted some with real feather trim, parrot easel backs. Each in envelope. Asstd 2's in box.

(Total $1 50) Each, 6c

EASTER CREPE PAPER NAPKINS

S5218—3 styles, 14x14, best quality, heavy weight, fine crepe white paper stock, bunnies, chicks and Easter lily designs in bright colors, gold traced. 100 loaded. Asstd ⅓ M in box.

Per M. $2.75

2 COLOR

Price Tickets

4 for a Cent

SILENT SALESMEN THAT SAY SO MUCH

10¢ 19¢ 25¢ 15¢ $1.00 10¢

Red and black on white and white on black, in the best selling denominations—an unexampled bargain and your chance to save money and sell more goods.

V6090—3½x3½ inch tickets in the following denominations: 5c, 10c, 15c, 19c, 25c, 49c, 59c, 79c, 98c and $1 00

225 Assorted In Package 60c

Fine Oak and Mahogany Hall and Chime Clocks

PRICES EACH

HALL CLOCK
Chime or Strike

No. Price
76 584 Westminster chime . $260.00
68 584 Gong strike . 200.00

Mahogany case. Height 8 ft 2½ in, width 2 ft 5½ in, 8-in. solid dial. 8-in. Ansonia eight-day weight movement, full Westminster quarter chime or hour and half hour gong strike.

Ansonia

HALL CHIME CLOCK
Colonial Style

No. Price
80XM 584 Mahogany case . $300.00

Height, 8 ft 1 in; width 2 ft 5½ in. 8-in. Full Westminster eight-day, quarter-hour chime strike on five steel wire gongs. Brass weights, gilt and silver plated dial, beveled plate glass panels. See errata sheet for latest price.

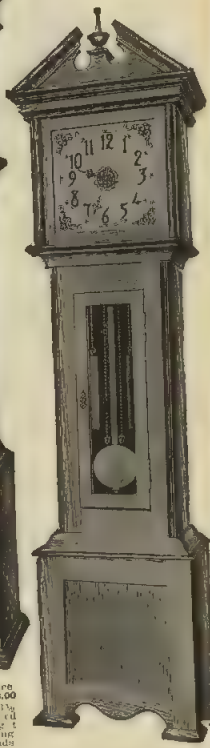
Waterbury.

HALL CLOCK

No. Price
78 584 Mahogany case . $178.00

Height, 7 ft 7½ in; width 2 ft 3½ in. Gilt and silver plated dial. Eight day chain weight movement. Half-hour strike gong. Moon's phases. Beats seconds. See errata sheet for latest price.

Waterbury



HALL CLOCK

No. Price
74M 584 Mahogany case. $117.00

Height 7 ft 4 in; width 2 ft 3½ in. Gilt and silver plated dial. Eight day chain weight, half hour strike gong. Beats seconds. See errata sheet for latest prices.

Waterbury

The cabinet work of our hall clocks is of highest quality, both in materials and workmanship.

Imported Westminster Chime and Half-Hour Strike Hall Clocks

PRICES EACH

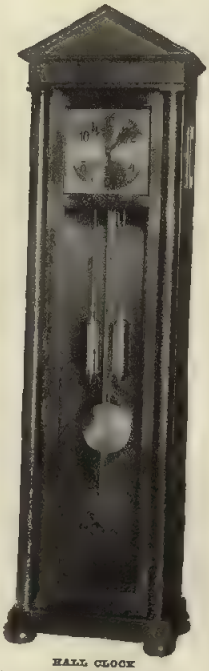
Photographs of hall clocks at prices from $500 to $1500 furnished on request.

HALL CHIME CLOCK

No 1561/563 Mahogany . $350.00

Height 86 in. width 23 in. Fancy dial 12½x12½ in. Eight-day full Westminster quarter-hour chime on nickel rods, hour strikes on full cord four hammers.

"Becker" Weight Movement.



HALL CLOCK

No. 1556/563 Mahogany.. $350.00

Height 86 in. width 14 in. depth, 15 in. Gold dial 12½x12½ in. Eight-day half-hour strike

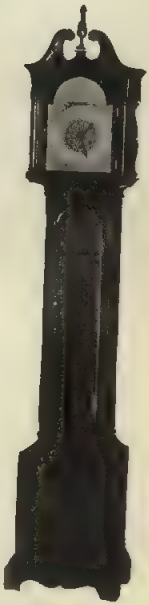
"Becker" Movement.

HALL CLOCK

No 1550 583 Mahogany $130.00

Height 78 in. width, 17 in. depth, 13 in. Gold dial 12½x12½ in. Eight-day half-hour strike.

"Becker" Movement.



HALL CLOCK

No. 1560, 583 Mahogany.. .$200.00

Height 5 ft. 10 in. width 14 in. Bronze dial 12¾x12¾ in. Eight-day Westminster chime.

"Becker" Movement.

The hall clock is more than a time piece. It adds to the home as a furnishing, which is more highly prized by each generation.

KING AIR RIFLES

1909 JUNIOR SINGLE SHOT

Blued finish steel barrel and frame, walnut stock, good sight, perfect action, shoots BB shot, length 29 in., w't per doz. 18 lbs.

No. 5010—Per dozen $14.40

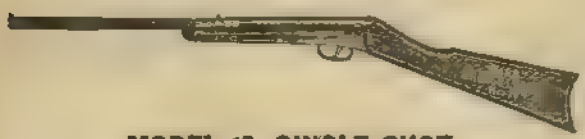
ONE DOZEN IN A CASE

SINGLE SHOT

Lever action, made of one-piece blued finish steel, black walnut stock, carefully adjusted sights, shoots BB shots and darts with accuracy and good penetration, length 31 in., w't per doz. 25 lbs.

No. 5021—Per dozen $24.00

ONE DOZEN IN A CASE

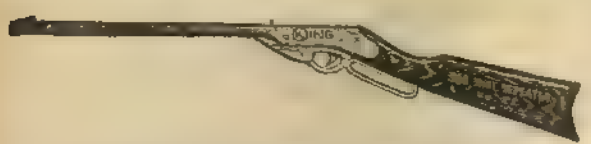


MODEL 17, SINGLE SHOT

The new "King Breech Loading Air Rifle", is the first really good air rifle, at a moderate price, that will shoot darts as well as steel and lead shot with accuracy. It "breaks" about the center of the rifle for loading purposes, has an automatic locking device and is built very substantially. Equipped with a very practical safety trigger. A deep notch in the trigger permits it to "bite" on the lower part of the frame and it is impossible for the plunger to slip off the trigger when gun is cocked. This, however ,does not at all interfere with the pull of trigger, which is very smooth.

No. 5011—Barrel and all metal parts blued, stock of walnut, neatly finished, length over all 32 in., w't per doz. 27 lbs. .....per dozen $32.00

ONE DOZEN IN A CASE



500 SHOT AUTOMATIC REPEATER

Lever action automatic repeater shoots 500 times without reloading, made of best grade highly polished blued steel, with barrel and frame of one piece, walnut stock, open rear sight. Shoots BB Air Rifle shot with accuracy. Length 31 in., all parts interchangeable. W't per doz. 25 lbs.

No. 5022—Per dozen $28.00

ONE DOZEN IN A CASE

KING 1000 SHOT AUTOMATIC REPEATER AIR RIFLES

Lever action, automatic repeater, shoots 1000 BB shots without reloading, made of best grade, highly polished finish blued steel with barrel and frame of one piece, selected black walnut finish stock, carefully adjusted sights. Length 35 inches. This model is identical in appearance to No. 5022 excepting that it is about 4 in. longer and has a heavier stock. W't per dozen about 29 lbs.

No. 5055—Per dozen $32.00

ONE DOZEN IN A CASE

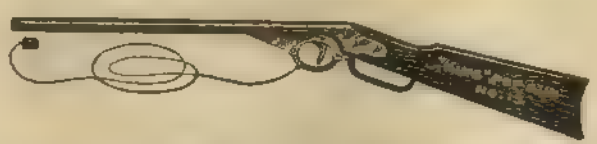
POP GUNS

KING RAPID FIRE

Blued finish on all metal parts, stock and hand piece of polished black walnut, loads automatically, makes a loud report with both forward and backward movement of hand piece, no flying cork, safe, sane and substantial, length over all 27 in., weight 31½ oz. each; weight per dozen 10 lbs., weight per case 36 lbs.

No. 5015—Per dozen $14.40

ONE IN A PASTEBOARD BOX



KING SAFETY LEVER

Lever action, one piece, blued steel barrel and frame, black walnut stock, shoots a cork which is attached to a string and makes a loud report, length 17 in., w't 7¾ oz.

No. 5014—Per dozen $4.00

SIX DOZEN IN A CASE

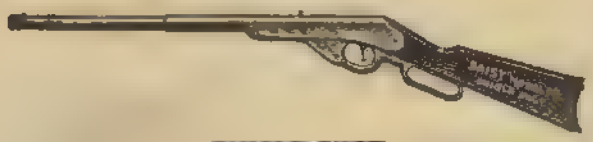
KING LONG DISTANCE

Blued finish steel barrel, black walnut stock, shoots a cork at end of string and makes a loud report, length 21 in., w't 1 lb.

No. 5019—Per dozen $12.00

SIX DOZEN IN A CASE

DAISY AIR RIFLES

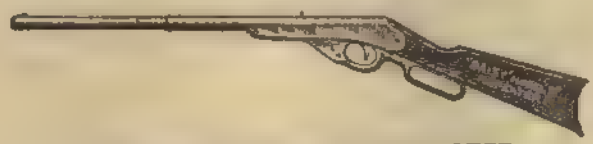


SINGLE SHOT

Lever action, single piece steel barrel, blued finish, walnut finished stock, shoots BB air rifle shot and 17-100 darts, length 31½ in., w't per doz. 29 lbs.

No. 5005—Per dozen $24.00

ONE DOZEN IN A CASE



350 SHOT AUTOMATIC REPEATER

Lever action, 350 shot, shoots BB shot, single piece steel barrel, nickel finish, all parts interchangeable, length 31½ in., w't per doz. 29 lbs.

No. 5007—Per dozen $32.00

ONE DOZEN IN A CASE

500 SHOT AUTOMATIC REPEATER

Lever action, 500 shots, shoots BB shot, working parts of steel and brass, blued finish, black walnut stock, loaded automatically, length 33 in., w't per doz. 40 lbs.

No. 5018—Per dozen $40.00

HALF DOZEN IN A CASE

1000 SHOT AUTOMATIC REPEATER

Magazine Repeater, lever action, magazine holds 1,000 air rifle shot and loads by operating the lever. Turned stock of genuine black walnut, highly polished. Metal parts nickel finish. Shoots with great force and accuracy. This rifle will please all boys. Length 36 in., w't 2 lbs. 9 oz. Packed six in a case, w't 21 lbs.

No. 5012—Per dozen $48.00

MILITARY REPEATER

Lever action, 50 shot, shoots BB air rifle shot, all metal parts finished in gun blue, beautifully walnut finished stock, rear sight open and adjustable, front sight knife type, sling strap and swivel, 45 in. over all, including rubber tipped detachable bayonet, w't per doz. 76 lbs.

No. 5040—Per dozen $80.00

HALF DOZEN IN A CASE

DAISY AIR RIFLES

PUMP ACTION REPEATER

50 shot, shoots BB air rifle shot, metal parts non-rusting gun blue, genuine black walnut stock, hand polished, adjustable sights, length 38 in., w't each 3¾ lbs.

This new pump action repeater operates by pulling the slide toward the stock, the loading action is automatic, fires rapidly from the shoulder, the magazine having a forced feed, is a strong and accurate shooter.

No. 5020—Per dozen $80.00

HALF DOZEN IN A CASE

LITTLE DAISY SINGLE SHOT

Blued finish steel barrel and frame, walnut finished stock, good sight, perfect action, shoots BB shot, length 29 in., w't per doz. 16½ lbs.

No. 5004—Per dozen $14.40

BIG DAISY POP GUN

Nickel finish steel barrel and frame, finished walnut stock, shoots a cork or rubber ball which is attached to a string and makes a loud report, length 17 in., w't 7¼ oz.

No. 5003—Per dozen $12.00

SIX DOZEN IN A CASE

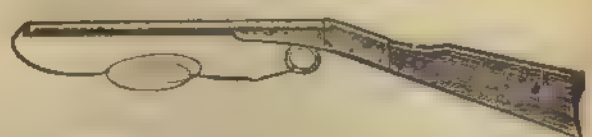
DAISY POP GUN

Blued finish steel barrel and frame, break down model, walnut finished stock, shoots a cork, which is attached to a string. A good, strong noise maker. Put up one in a carton. Length 17 inches, w't 7 ounces each. One gross in a case. Weight 45 lbs., and 5¼ lbs. weight per dozen.

No. 5001—Per dozen $4.00

ONE GROSS IN A CASE

LITTLE DAISY POP GUN



Nickel finish steel barrel and frame, walnut finished stock, shoots a cork which is attached to a string and makes a loud report, put up one in a handsome lithographed carton, length 17 in., w't 7¼ oz.

No. 5002—Per dozen $7.20

SIX DOZEN IN A CASE

OIL LAMPS

AUTOMOBILE

The Neverout

PATENT MIRROR LENS

Forced Draught System. For Medium and Small Sized Cars Made in Full Brass, Highly Polished. If Desired, We Can Furnish the Same in Black Enamel, Nickel Plated, Gun Metal Plated or Combination Finishes at an Additional Cost. Equipped with Double Concave Mirror Lens Reflector—Will Not Break from Heat White Semaphore on Side Burns Kerosene Thirty Hours with One Filling Very Bright Light, Easily Cleaned and Always Retains its Original Brilliancy. Fits the Standard Flat Bracket. Will Stay Lit and Not Shake Loose Under Any Conditions. Absolutely Oil-tight. Diameter of Face, 6 Inches; Extreme Length, 6 Inches; Extreme Height, 10¾ Inches

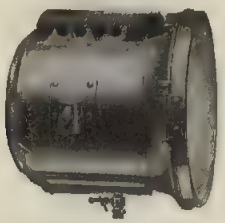
	Each		
No. 56	$12.50	---	---

One in a box.

SEARCHLIGHTS

AUTOMOBILE

The Neverout



PATENT DOUBLE FOCUS

Two Gas Flames. Two Reflectors. Twice as Powerful as the Old-fashioned Kind. The "Neverout" Patent Double Focus Searchlights Burn Acetylene Gas. Aluminum Front Reflector Flange. Equipped with Non-breakable Double Concave Mirror Lens Reflector. Easily Cleaned, Always Bright. Special Two-flame Burner Securely Riveted. Made in Full Brass, Highly Polished, also in Black Enamel, Nickel Plated, Gun Metal Plated or Combination Finishes at an Additional Cost

	Each		
No. 79—Small. Diameter of face, 8¼ inches. Extreme height, 9½ inches. Length, 8½ inches. Diameter of body, 6½ inches	$25.00	----	----
No. 88—Medium. Diameter of face, 10 inches. Extreme height, 10¾ inches. Length, 10 inches. Diameter of body, 7½ inches	34.00	----	----
No. 90—Large. Diameter of face, 10½ inches Extreme height, 11½ inches. Length, 10 inches. Diameter of body, 8¼ inches	42.00	----	----

One in a box.

OIL LAMPS

AUTOMOBILE

The Neverout

FORCED DRAUGHT SQUARE SIDE

Lamp is Full Brass, Highly Polished, Strictly Automobile Style Will Stay Lit and Tight Under Vibration of Largest Touring Cars. Absolutely Oil-tight; No Grease on Surface; Fitted with Combination Prop for Round or Flat Bracket. Extreme Height, 13½ Inches; Polished and Beveled Front Light, 5 x 4½ Inches; Polished and Beveled Side Light, 5 x 4½ Inches. Burns Kerosene Oil and Stays Lit; Fitted with "Neverout" Patent System (With Extra Large Filler); Burning Capacity, Thirty Hours. It Has Full Silver Linings.

	Each
No. 82.....	**$25.00** ---- ----

One in a box.

AUTOMOBILE SIDE LAMP

FORCED DRAUGHT SYSTEM

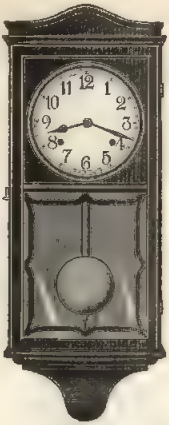
This Lamp is of Handsome Design and Contains an Aluminum Reflector It Burns Kerosene Twenty Hours with One Filling. The Aluminum Reflector Can Be Easily Cleaned, and Lasts Almost Indefinitely Fits the Standard Flat Bracket. Will Stay Lit and Tight Under All Conditions. It is also Oil-tight. Made in Full Brass, Highly Polished Extreme Height, 9 Inches; Diameter of Face, 4 Inches; Width of Lamp, 3½ Inches, Depth of Lamp, 3½ Inches. (Also Furnished in Black Enamel with Brass or Nickel Trimmings at Slight Additional Cost.)

	Each
No. 356—Small Size.....	**$10.00** --- ---

One in a box.

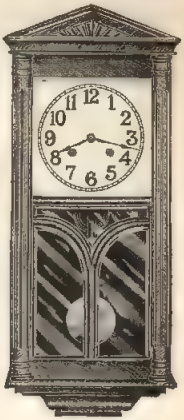
New Haven Wall Clocks

83 6713
MALDO
Each **$26.85**
Height 26 In. Width, 11 In.,
8 inch Silver Dial
Mahogany Finished Case,
Beveled Plate Glass,
8-day, Hour and Half Hour
Cathedral Gong Strike



83 6714
JUNEAU
Each **$21.00**
Height, 20½ In. Width 8 In
6-inch Silver Dial,
Mahogany Finished Case,
8-day, Hour and Half Hour
Cathedral Gong Strike

83+6715
JULIAN
Each **$26.10**
Height, 21 In.; Width, 7½ In.,
6 inch Silver Dial,
Mahogany Finished Case
8-day, Hour and Half Hour
Cathedral Gong Strike



83 6716
MIRADA
Each **$29.00**
Height, 28¾ In., Width 13 In.,
8-inch Silver Dial
Mahogany Finished Case,
Beveled Plate Glass
8-day Hour and Half Hour
Cathedral Gong Strike

SATURN
Height, 34¾ In Width, 15¾ In,
12-Inch Dial Solid Oak or
Mahogany Finished Case.

83+6717	8 Day Spring Time	**$28.25**
83+6718	8 Day Weight Time	**41.25**
83-6719	8 Day Gong Strike	**30.45**

83+6720
LAWTON
8 day Time
Diameter, 6 Inches
Silver Dial Convex Glass,
Oak or Mahogany Case.
Each **$10.90**

WOOD LEVER
8 day Time, Oak or Mahogany
Finished Case

83-6721	6 Inch Dial	**$10.15**
83-6722	8 Inch Dial	**11.90**
83-6723	10 Inch Dial	**13.10**

No. 3043
Height 4' In Width 18¾ In.,
Inlaid Dial Mahogany
Finished Case or Solid Oak.

83-6724	8 Day Gong Strike	**$23.20**
83-6725	30 Day Time	**26.35**

THE ABOVE PRICES ARE SUBJECT TO THE REGULAR DISCOUNT

IF ANY ARTICLE PROVES UNSATISFACTORY, RETURN AT ONCE. WE WILL EXCHANGE OR REFUND MONEY.

"THE HOUSE OF QUALITY, SERVICE AND SATISFACTION"

Regulators, Store and Office Clocks

12-INCH BALCONY

Height, 15 inches; width, 15 inches; dial, 12 inches.

B3+6726 Oak or Mahogany.....**$16.00**
B3+6727 White Enamel **18.90**

12-INCH GALLERY

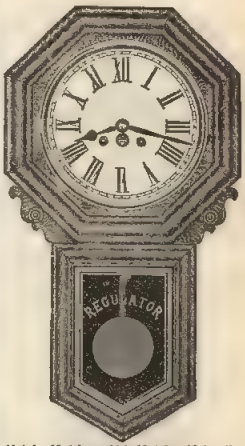
Height, 16 inches; width, 16 inches; dial, 12 inches.

B3+6728

Oak or Mahogany **$16.00**
White Enamel . **18.90**

Height 24 in., width 10½ in. 12 in. dial
Solid Oak Case

B3+6729 8 Day Time **$13.75**
B3+6730 8-Day Strike . **15.25**



Height 33½ in., width 18½ in., 12 in. dial
Solid Oak Case.

B3+6733 8-Day Time **$15.25**
B3+6734 8-Day Gong Strike **17.45**

Height 35 in., width 16 in., 12 in. dial. Oak or Mahogany Finish

B3+6731 8-Day Time **$16.00**
B3+6732 8-Day Gong Strike **18.20**

THE ABOVE PRICES ARE SUBJECT TO THE REGULAR DISCOUNT.

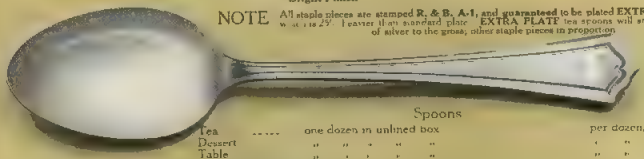
IF ANY ARTICLE PROVES UNSATISFACTORY, RETURN AT ONCE. WE WILL EXCHANGE OR REFUND MONEY.

SILVER PLATED ON NICKEL SILVER | TRADE **R.&B.** MARK | BRIGHT FINISH

THE IDEAL PATTERN

Bright Finish

NOTE All staple pieces are stamped R. & B. A-1, and guaranteed to be plated EXTRA PLATE. Weights 29 Teaspoons and Tablespoons of silver to the gross, other staple pieces in proportion



Spoons

Tea	one dozen in unlined box	per dozen, $3 48
Dessert	" " " " "	" " 6 24
Table	" " " " "	" " 6 96
Five O'Clock Tea	" " " " "	" " 3 48
Five O'Clock Tea	half " " lined "	" " 4.30

Flat Handle Forks

Medium	one dozen in unlined box	per dozen, $6.96
Dessert	" " " " "	" " 6.24

Illustrations Actual Size

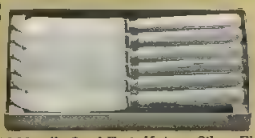
Solid Handle Steel Knives, Silver Plated

R. & B. 12 dwt., Medium size, per dozen, $9.40 — R. & B. 6 dwt., per dozen, $7 40
R. & B. 12 dwt., Dessert " " " 9.20 — R. & B. 6 dwt " " 7 20

Packed one half dozen in box

No. 185. Child's Set

Three pieces in lined box . per set, $1.36



Solid Handle Steel Fruit Knives, Silver Plated

Packed one-half dozen in box . . . . per dozen, $5.90

Cold Meat Fork

One in lined box . . . . . each, $1.18

No. 183. Butter Knife and Sugar Shell

Two pieces in lined box . . per set, $1.36

Berry Spoon

One in lined box . . . . . each, $1.58

Ladles

One each in lined box

Cream, plain		each, $1 08
Gravy, "		" 1 34
Medium Soup		" 1 74

Illustrations One-Third Size

RB6-9

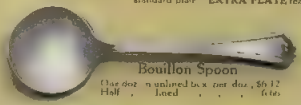
INTERNATIONAL SILVER CO.

SILVER PLATED ON NICKEL SILVER | TRADE **R.&B.** MARK | BRIGHT FINISH

THE IDEAL PATTERN

Bright Finish

NOTE All staple pieces are of our special R. & B. A-1, and guaranteed to be plated EXTRA PLATE, which is 25 % heavier than standard plate. EXTRA PLATE tea spoons will strip 30 dwts. of silver to the gross, other staple pieces in proportion.



Bouillon Spoon

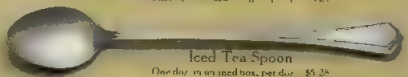
One doz. in unlined box, per doz., $6 12
Half " lined " " " 6 60

Orange Spoon

One doz. in unlined box, per doz. $5 96
Half " lined " " " 6 24

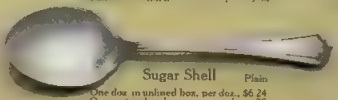
Coffee Spoon

One doz. in unlined box, per doz. $4 26
Half " lined " " 4 54



Iced Tea Spoon

One doz. in unlined box, per doz. $5 28

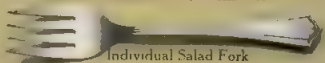


Sugar Shell Plain

One doz. in unlined box, per doz., $6 24
One each in lined " each 70

Butter Knife, Twist Handle

One doz. in unlined box, per doz. $6 [illegible]
One each in lined " each 78



Individual Salad Fork

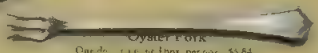
One doz. in unlined box, per doz. $8 06
Half " lined " " " 8 62

Soup Spoon

One doz. in unlined box, per doz. $6 72
Half " lined " " 7 08

Butter Spreader

One doz. in unlined box, per doz., $5 98
Half " lined " " 6 38

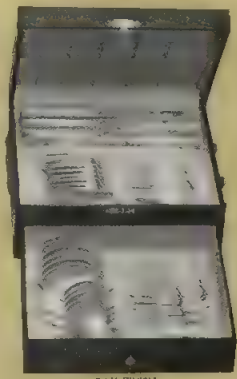


Oyster Fork

One doz. in unlined box, per doz. $5 84
Half " lined " " 6 40

Baby Spoon

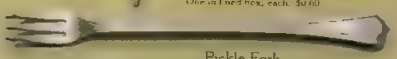
One in lined box, each, $0 60



Baby Set
Spoon and Food Pusher
Per set, $1 20

Food Pusher

One in lined box, each, $0 60



Pickle Fork

One in lined box, each, $0 75
Twelve in unlined box, per doz., 8 06

Illustrations One-Half Size

OAK FINISH

No. 148. In Oak Chest, twenty-six pieces, containing Six Tea Spoons, six Table Spoons, six Solid Handle Medium Knives, six Medium Forks, one Butter Knife, one Sugar Shell $17 00
No. 145. Same as above in Flat Leatherette Case 15 06
No. 179. Same as above in Blue Compact Case.. 16 18
No. 181. Same as above in Paper Chest 15 32
Above sets with 12 dwt. Knives add $1 00 Ext per set

No. 150. Six Medium Knives in rack box, 12 dwt. Knives, per set $8 18
Six Medium Forks " with 6 dwt. Knives, " " 7 18

No. 150D. Six Dessert Knives in rack box, 12 dwt. Knives, per set $7 72
Six Dessert Forks " with 6 dwt. Knives " " 6 72

Illustration One-Third Size

RB6-10

INTERNATIONAL SILVER CO.

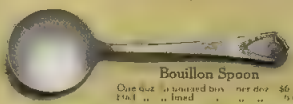
SILVER PLATED ON NICKEL SILVER

TRADE **R.&B.** MARK

FINISHED IN FRENCH GRAY

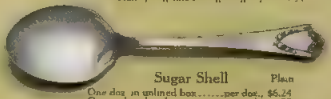
THE JEWEL PATTERN

NOTE All staple pieces are stamped R. & B. A-1, and guaranteed to be plated EXTRA PLATE, which is 25% heavier than standard plate. EXTRA PLATE on a spoon will amp 50 dwts. of silver to the gross, other staple pieces in proportion.

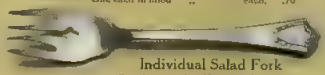


Bouillon Spoon
One doz. in unlined box . . per doz. $6.12
Half " " lined " " " 6.66

Coffee Spoon
One doz. in unlined box . . per doz. $3.26
Half " " lined " " " 3.54



Sugar Shell Plain
One doz. in unlined box . . . . . per doz., $6.24
One each in lined " . . each, .70



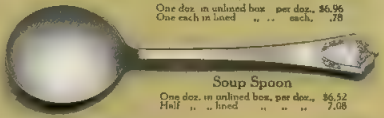
Individual Salad Fork
One doz. in unlined box, per doz., $8.06
Half " " lined " " " 8.62

Butter Spreader
One doz. in unlined box per doz., $5.98
Half " " lined " " " 6.38

Orange Spoon
One doz. in unlined box . . per doz., $5.96
Half " " lined " " " 6.24

Iced Tea Spoon
One doz. in unlined box . per doz., $5.28

Butter Knife, Twist Handle
One doz. in unlined box per doz., $6.96
One each in lined " " each, .78



Soup Spoon
One doz. in unlined box, per doz., $6.52
Half " " lined " " " 7.08

Oyster Fork
One doz. in unlined box per doz., $5.84
Half " " lined " " " 6.40

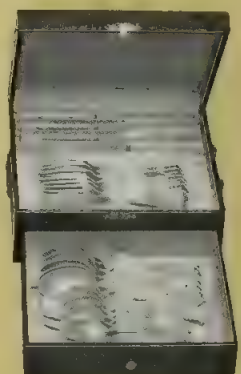
Baby Set
Spoon and Food Pusher
Per set, $1.20

Baby Spoon
One in lined box, each, $0.60

Food Pusher
One in lined box, each, $0.60

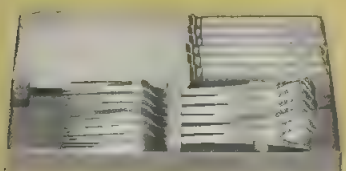
Pickle Fork
One in lined box . . . . each, $0.75
Twelve in unlined box, per doz., 8.06

Illustrations One Half Size



OAK CHEST

No. 148. In Oak Chest twenty-six pieces, containing Six Tea Spoons, six Table Spoons, six Solid Handle Medium Knives, six Medium Forks, one Butter Knife, one Sugar Shell . . . $ 75.00
No. 145 Same as above in Flat Leatherette Case 15.00
No. 181 Same as above in Paper Chest 3.32
Above sets with 12 dwt. Knives, add $1.00 list per set



No. 150. Six Medium Knives } in rack box, 12 dwt. Knives, per set, $8.18
Six Medium Forks } with 6 dwt. Knives. per set, 7.16

No. 150D. Six Dessert Knives } in rack box, 12 dwt. Knives, per set, $7.72
Six Dessert Forks } with 6 dwt. Knives. . . . . per set, 6.72

Illustration One-Third Size

RB6-'12

INTERNATIONAL SILVER CO.

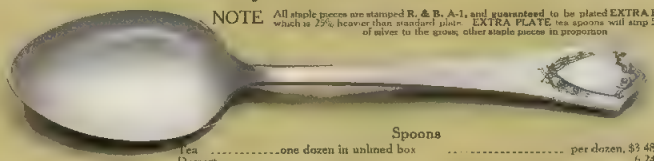
SILVER PLATED ON NICKEL SILVER

TRADE **R.&B.** MARK

FINISHED IN FRENCH GRAY

THE JEWEL PATTERN

NOTE All staple pieces are stamped R. & B. A-1, and guaranteed to be plated EXTRA PLATE, which is 25% heavier than standard plate. EXTRA PLATE tea spoons will strip 50 dwts. of silver to the gross; other staple pieces in proportion



Spoons

Tea	one dozen in unlined box	per dozen, $3 48
Dessert	" " " " "	" " 6 24
Table	" " " " "	" " 6 96
Five O'Clock Tea	" " " "	" " 3 48
Five O'Clock Tea, half	" " lined	" " 4 30

Flat Handle Forks

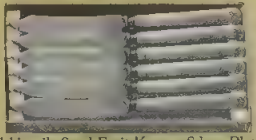
Medium	one dozen in unlined box	per dozen, $6 96
Dessert	" " " " "	" " 6 24

Solid Handle Steel Knives, Silver Plated

Illustrations Actual Size

R & B 12 dwt., Medium size, per dozen, $5 40 — R & B 9 dwt., per dozen, $3 40
R & B 12 dwt., Dessert " " 9 30 — R & B 6 dwt., " " 7 20

Packed one half dozen in box



No. 185. Child's Set

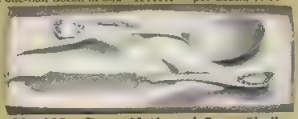
Three pieces in lined box ---per set, $1.36

Solid Handle Steel Fruit Knives, Silver Plated

Packed one-half dozen in box ------- per dozen, $5 90

Cold Meat Fork

One in lined box ---------- each, $1 18



No. 183. Butter Knife and Sugar Shell

Two pieces in lined box------- --per set, $1 36

Berry Spoon

One in lined box -- each, $1 68

Ladles

One each in lined box

Cream, plain ----------	each, $1 08
Gravy "	" 1 34
Me[illegible] Size	" 3 74

Illustrations Actual Size

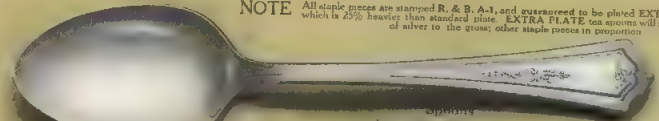
SILVER PLATED ON NICKEL SILVER

TRADE **R.&B.** MARK

FINISHED IN FRENCH GRAY

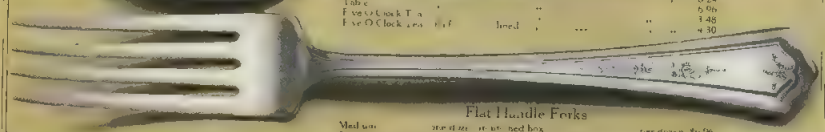
THE MANOR PATTERN

NOTE All staple pieces are stamped R. & B. A-1, and guaranteed to be plated EXTRA PLATE, which is 25% heavier than standard plate. EXTRA PLATE tea spoons will strip 50 dwts. of silver to the gross; other staple pieces in proportion



Spoons

Tea	one dozen in lined box	per dozen $3 48
Dessert	" " "	" 5 24
Table	" " "	" 5 06
Five O'Clock Tea	" " "	" 3 48
Five O'Clock Tea	Half lined "	" 4 30



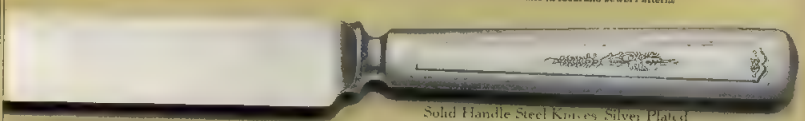
Flat Handle Forks

Medium	one dozen in lined box	per dozen $6 96
Dessert	" " "	" 5 24

Hollow Handle Breakfast Knives

Per dozen $23 40

Furnished also in Ideal and Jewel Patterns

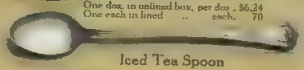


Solid Handle Steel Knives, Silver Plated

R & B 2 dwt. Medium Blade, per doz. $3 48 C & S 3 dwt. per dozen $7 44
R & B 12 dwt. Dessert " " 2 60 R & B 12 dwt. " " 7 20

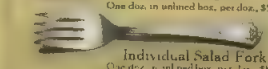
Sugar Shell Plain

One doz. in unlined box, per doz. $6.24
One each in lined " each, 70



Iced Tea Spoon

One doz. in unlined box, per doz., $5.28



Individual Salad Fork

One doz. in unlined box per doz. $8 06
Half " lined " 8 6

Cold Meat Fork

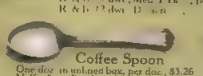
One in lined box each $1 [illegible]

Pastry Fork

One in lined box, each $1 38

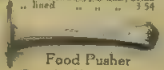
Pickle Fork

[illegible] per dozen $5 28



Coffee Spoon

One doz. in unlined box, per doz. $3.26
Half " lined " 3 54



Food Pusher

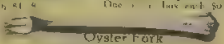
One in lined box, each, $0.60

Solid Handle Steel Fruit Knife

Packed one-half dozen in box per dozen, $5 90

Baby Spoon

One in lined box each $0 60



Oyster Fork

One doz. in lined box, per doz. $5 64
Half " " " 3 0

Butter Knife, Twist Handle

One doz. in unlined box per doz. $6 96
One each in lined each 78

Butter Spreader

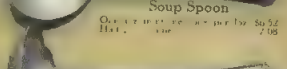
One doz. in unlined box per doz. $5 98
Half " " 3 06

Orange Spoon

One doz. in unlined box per doz. $5 96
Half " " 3 24

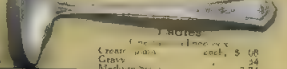
Bouillon Spoon

One doz. in unlined box per doz. $6 12
Half " " 3 66



Soup Spoon

One doz. in unlined box per doz. $6 52
Half " " 3 66



Ladles

Cream	one in lined box	each, $ 68
Gravy	" " "	" 54
Medium Soup	" " "	" 3 74

RBG 7

INTERNATIONAL SILVER CO.

SILVER PLATED ON NICKEL SILVER

TRADE **R.&B.** MARK

FINISHED IN FRENCH GRAY

THE MANOR PATTERN

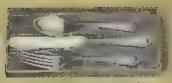
NOTE All staple pieces are stamped R. & B. A. 1., and guaranteed triple plated EXTRA PLATE, which is 25% heavier than standard plate. EXTRA PLATE tea spoons will strip 50 dwts. of silver to the gross, other staple pieces in proportion.

No. 179. In Blue Compartment Case, twenty-six pieces, containing Six Tea Spoons, six Table Spoons, six Solid Handle Medium Knives, six Medium Forks, one Butter Knife, one Sugar Shell. $16.18

Twenty-six piece set same as above with 12 dwt. Knives $17.18

No. 183. Butter Knife and Sugar Shell

Two pieces in lined box ..... per set, $.56



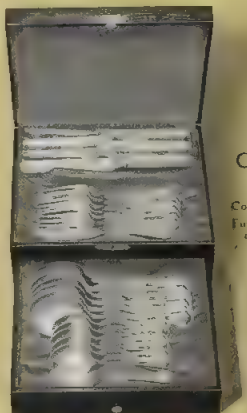
No. 185. Child's Set

Three pieces in lined box per set, $1.36

No. 150. Six Medium Knives } in rack box, 12 dwt. Knives, per set, $8.18
Six Medium Forks } with 6 dwt. Knives per set, 7.18

No. 150D. Six Dessert Knives in rack box, 12 dwt. Knives, per set, $7.72
Six Dessert Forks } with 6 dwt. Knives..... per set, 6.72

Illustration One-Third Size



No. 148. In Oak Chest, twenty-six pieces, containing Six Tea Spoons, six Table Spoons, six Solid Handle Medium Knives, six Medium Forks, one Butter Knife, one Sugar Shell $12.09

No. 145 Same as above in Full Leatherette Case 15.06

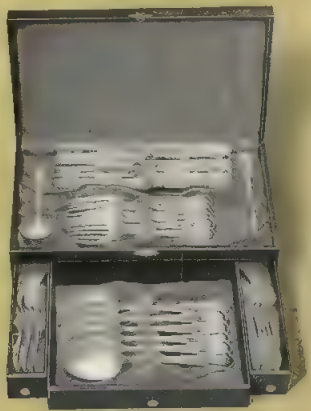
No. 181 Same as above in Paper Chest 15.32

Above sets with 12 dwt. Knives, add $1.00 list per set

All Combination Sets

Complete with ware

Furnished also in Ideal and Jewel Patterns



No. 194 In Blue Compartment Case, twenty-six pieces, containing Six Tea Spoons, six Table Spoons, six Solid Handle Medium Knives, six Medium Forks, one Butter Knife, one Sugar Shell $6.18

Twenty-six piece set same as above with 12 dwt. Knives $17.18

RB6-8

SILK HOSIERY MEN'S AND WOMEN'S

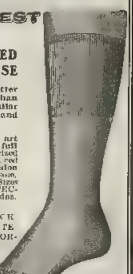
FOOT REST
MEN'S ART SILK PLATED HOSE

They wear better and look better than any hose of similar price—the sales and resales prove it.

250 needle, heavy art silk plated, full seamless, reversed rib top, high spliced heel and toe, extension top, double sole, elastic looping. Sizes 9½ to 11½. SPECIFY SIZES. ½ doz. in box.

1D2319-1—BLACK
1D2319-2—WHITE
1D2319-3—COR-DOVAN
Doz.

$4.50



MEN'S ART AND PURE SILK HOSE

220 needle, full seamless (except 1D1060), mercerized rib top, high spliced heel and extension toe, double sole, elastic looping. Sizes 9½ to 11½. SPECIFY SIZES.

Note: "Base" brand hosiery will be billed at prevailing market prices on date order is received, whether higher or lower than here named

VALOR Art silk ½ doz. in box
1D1680-1—BLACK
1D1680-2—COR-DOVAN.
Doz. **$4.25**

"Bear" Brand—Baron art silk plated ½ doz. in box
1D1740-1—BLACK.
1D1740-2—WHITE.
Doz. **$4.25**

"Bear" Brand—"Dearborn" pure thread silk, ½ doz. in box
1D1030-1—BLACK.
1D1030-3—COR-DOVAN.
Doz. **$6.00**

VALOR Pure silk ½ doz. in box.
1D1312-2—WHITE.
Doz. **$6.25**

VALOR Pure thread silk fine gauge, full fashioned, ½ doz. in box
1D1060-1—BLACK
1D1060-2—WHITE
Doz. **$9.00**

WOMEN'S ART AND PURE SILK HOSIERY

All have seamed leg, wide double welt, high spliced heel and extension top, double sole and elastic looping. Sizes: 8½ to 10. SPECIFY SIZES.

VALOR 250 needle, 16 in., art silk boot, cotton top. ½ doz. in box.
1D1620-1—BLACK.
1D1620-2—WHITE.
1D1620-3—COR-DOVAN
Doz. **$4.50**

VALOR 260 needle, 19 in. art silk boot, fashion marks, mercerized top. ½ doz. in box.
1D1372-1—BLACK.
1D1372-3—COR-DOVAN
Doz. **$7.00**

"Bear" Brand—Paramount 205 needle, 17 in. boot, art silk plaited on thread silk, mercerized top. ½ doz. in box
1D1544-3—COR-DOVAN
Doz. **$6.50**

VALOR 240 needle, art silk boot, fashion marks, 8 in., art silk plated top. ½ doz. in box
1D1705-1—BLACK
1D1705-3—COR-DOVAN
Doz. **$5.40**

VALOR 260 needle, 20 in. boot, art silk plated on pure silk, fashion marks, mercerized top. ½ doz. in box
1D1660-1—BLACK.
1D1660-3—COR-DOVAN
Doz. **$6.75**

WOMEN'S FULL FASHIONED INGRAIN SILK HOSIERY

Fine gauge, full fashioned, wide double welt, high spliced heel and toe, double sole.

Sizes: 8½ to 10. SPECIFY SIZES

VALOR 19 in. ingrain silk boot, mercerized top. ¼ doz. in box.
1D1940-1—BLACK
1D1949-3—COR-DOVAN
Doz. **$21.00**

VALOR Ingrain silk entire length. ¼ doz. in box.
1D1701-2—WHITE
1D1701-3—COR-DOVAN
Doz. **$24.00**

VALOR Nearingrain silk entire length, purple top. ½ doz. in box
1D1958-1—BLACK
Doz. **$33.00**

WOMEN'S OUT SIZE SILK HOSIERY

Seamed leg, mercerized top, wide double welt, high spliced heel and extension toe, double sole, elastic looping.

Sizes: 9 to 10½. SPECIFY SIZES

VALOR 240 needle, 16 in. thread silk boot, fashioned ankle, fashion marks, mercerized top. ¼ doz. in box
1D1158-3—COR-DOVAN.
Doz. **$9.00**

"2001" VALOR 260 spring needle fabric, 18 in. pure thread silk boot, fashion marks, mercerized top. ¼ doz. in box
1D2001-1—BLACK
1D2001-2—WHITE
1D2001-3—COR-DOVAN
Doz. **$12.00**

VALOR 260 spring needle fabric, pure thread silk entire length, fashion marks. ¼ doz. in box.
1D1625-1—BLACK
1D1625-3—COR-DOVAN.
Doz. **$16.50**

"1550" VALOR FULL FASHIONED SILK HOSE

Patented Flare Top

It is the dependability and reliability of this extra quality hose that makes every customer who buys a pair come back for more

Fine gauge 19 in. thread silk boot, full fashioned, mercerized pointed top, wide double welt high spliced heel and toe, double sole. Sizes 8½ to 10. SPECIFY SIZES. ¼ doz. in box

1D1550-1—BLACK.
1D1550-2—WHITE.
1D1550-3—COR-DOVAN

Doz. **$19.50**

VALOR 240 needle 16 in. art and thread silk boot, fashion marks. ¼ doz. in bx
1D1501-3—COR-DOVAN
Doz. **$9.00**

VALOR 260 spring needle, 20 in thread silk boot, fashion marks ¼ doz. in box.
1D2602-1—BLACK
1D2602-3—COR-DOVAN
Doz. **$13.50**

VALOR 22 in ingrain silk boot, mercerized top, full fashioned. ½ doz. in box.
1D3600-1—BLACK
Doz. T.O.

WOMEN'S COTTON HOSE

WOMEN'S HEM TOP COTTON HOSIERY

Sizes: Regular 8½ to 10, out sizes 9 to 10½. Regular sizes unless stated. SPECIFY SIZES

Note. "Bear" brand hosiery will be billed at prices current at time order is received, whether higher or lower than those here named

1 Lb. 4 Oz—176 needle, carded yarn, spliced heel and patent toe 1 doz in box

1D1840-1 BLACK
1D1840-2—WHITE
1D1840-3—CORDVN
Doz **$1.02½**

1 Lb. 8 Oz—176 needle, full seamless, spliced heel and toe 1 doz. in box

1D1485-1—BLACK

Doz. **$1.25**

VALOR Light wt., 200 needle double carded yarn, full seamless, wide top, high spliced heel and toe, double sole 1 doz. in box.

1D1003-3—CORDVN
Doz. T O

"Burson" — Light wt., fine gauge double carded yarn, lisle finish fashioned in the knitting, no seam down the back or in the sole hem top, high spliced heel and toe, double sole, ½ doz. in box.

1D1894 1—BLACK

Doz **$3.00**

Burson"—Medium wt., fine gauge, combed yarn, lisle finish, hem top, fashioned in the knitting, no seam down the back or in the sole high spliced heel and toe, double sole. ½ doz in box

REGULAR SIZES
1D1354-1 BLACK,
1D1354-3—CRDVN
Doz **$2.75**

OUT SIZES—
1D1147-1—BLACK
Doz. T O

1 Lb. 10 Oz., 176 needle carded yarn, full seamless, rib top, Out sizes, 1 doz in box

1D1306-1 BLACK

Doz **$2.15**

Unmbed Yarn—BLACK
250 needle body good quality combed yarn full seamless, 440 needle rib top, 1 doz. in box

1D1004-1—BLACK
Doz **$2.75**

VALOR Medium wt., 300 needle, combed yarn, lisle finish, full seamless 1 doz in box

REGULAR SIZES—
1D1300-1 BLACK,

1D1309-3—CRDVN
Doz **$2.25**

OUT SIZES
1D1036-1 BLACK,

1D1036-3—CRDVN
Doz **$2.40**

VALOR Light wt., 240 needle, 2 ply mercerized yarn, seamed leg, fashioned ankle, reinforced top, wide top, high spliced heel and extension toe, double sole, elastic looping. ½ doz. in box.

1D1050-1 BLACK
1D1050-2—WHITE
1D1050-3—CORDVN,
Doz. **$4.40**

"Burson" — Light wt., fine gauge, 2 ply mercerized yarn, silk lisle finish fashioned in the knitting, no seam down the back or in the sole, hem top, high spliced heel and toe, double sole. ½ doz. in box

1D1068-1—BLACK,
1D1068-3—CORDVN
Doz **$4.80**

"Burson"—Medium wt., cotton heather, drop stitch, fine gauge, fashioned mercerized ankle, full seamless, hem top, spliced heel and toe ½ doz. in box

1D1345—Brown heather effect

Doz. **$4.50**

VALOR Light wt., fine gauge, 2 ply mercerized yarn, silk Hele finish, seamed leg, fashioned ankle, wide top, high spliced heel and toe, double sole, ½ doz in box

1D1080-1—BLACK
1D1080-3—CORDVN
Doz **$6.25**

1D1081-1 BLACK with lavender striped top ½ doz. in box
Doz. **$6.50**

"BURSON" WOMEN'S COTTON SPORT HOSE

1D1354-1 BLACK mercerized, all-around drop stitch, medium weight, fine gauge two fish eye, black narrow rib, 2 ply mercerized top, sizes 8½ to 10 SPECIFY SIZES ½ doz. in box

Doz. **$7.60**

"Burson" Medium wt., double carded yarn, lisle finish, elastic rib top, fashioned in the knitting, no seam down the back or in the sole, double foot, ½ doz. in box

REGULAR SIZES—
1D1368-1—BLACK
Doz **$4.25**

OUT SIZES
1D1371-1 BLACK,
Doz. **$4.80**

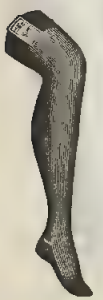
VALOR Medium wt 220 needle 2 ply mercerized lisle yarn, seamed leg, 440 needle rib top, high spliced heel and toe, double sole ½ doz. in box

REGULAR SIZES—
1D1666-1—BLACK
1D1666-2—WHITE
1D1666-3—CRDVN
Doz **$6.00**

OUT SIZES—
1D1669-1 BLACK
1D1669-2 WHITE
Doz **$6.25**

FOUR FAMOUS BRANDS

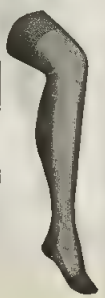
SERVICE STOCKINGS
Double Carded Yarn



Wt. 1 lb 8 oz., 176 needle superdouble carded yarn, lisle finish, full seamless wide hem top 3 thread heel and toe specially reinforced with 2 ply mercerized yarn, elastic looping Sizes 8½ to 10. SPECIFY SIZES 1 doz. in box.

1D1450-1—BLACK
1D1450-2—WHITE
1D1450-3 — CORDOVAN.
Doz **$1.75**

Minuet COTTON HOSIERY
Combed Cotton Yarn

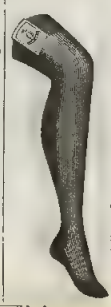


Medium wt., 220 needle, combed yarn, lisle finish seamed leg, wide hem top high spliced heel and toe, double sole, elastic looping Sizes 8½ to 10 SPECIFY SIZES 1 doz. in box.

1D1183-1 BLACK,
1D1183-2—WHITE.
1D1183-3—CORDOVAN

Doz.
$2.25

LADY LISLE MERCERIZED HOSIERY
Mercerized Lisle Yarn



Light wt., 220 needle, fine gauge 2 ply mercerized lisle yarn, seamed leg, fashion marks, wide hem top, high spliced heel and toe, double sole, elastic looping ½ doz in box

REGULAR SIZES—
8½ to 10 SPECIFY SIZES.
1D1040-1 BLACK
1D1040-2—WHITE
1D1040-3 CORDV
Doz. **$4.12½**

OUT SIZES—
9 to 10½ SPECIFY SIZES
1D1041-1—BLACK,
1D1041-2—WHITE
1D1041-3—CORDV
Doz. **$4.37½**

2001 WOMEN'S SILK HOSIERY
Pure Thread Silk

200 spring needle fabric, 12 in pure thread silk boot, seamed leg fashion marks, mercerized wide hem top, high spliced heel and extension toe, double sole elastic looping Sizes 8½ to 10 SPECIFY SIZES ½ doz. in box

1D2001-1—BLACK
1D2001-2—WHITE
1D2001-3 — CORDOVAN
Doz **$12.00**

Smith Non-Tilting Mixers

Smith 4-S, Model C, with low charging platform, gasoline engine.

THERE are two distinct types of Smith Mixers, in all practical sizes the Non-tilting type and the Tilting Type. The difference between the two types is this:

Smith Non-Tilting Mixers are designed so that any portion of the batch can be discharged as desired. The Non-Tilting type is therefore desirable for use with wheelbarrows, trucks, carts, etc., which are not large enough to carry a full batch from the machine at one time.

Smi th Tilting Mixers discharge the entire batch at once and wherever conditions permit this, the Tilting type will be found to be the speediest, most efficient and most economical mixer on the market. It is the only mixer of this type manufactured.

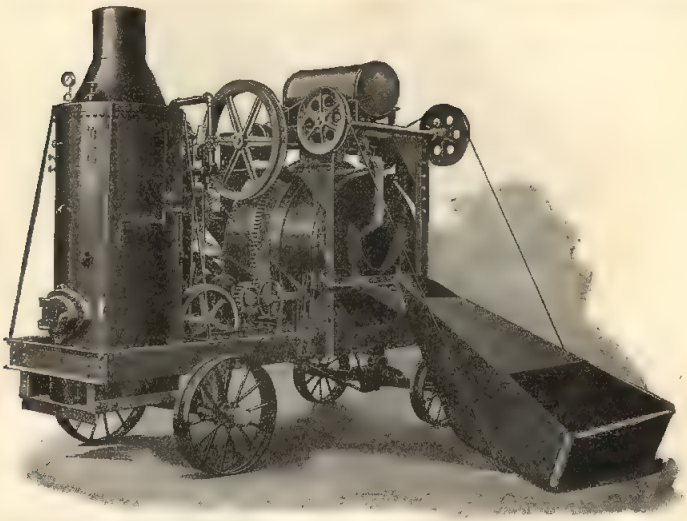
SMITH NON-TILTING MIXERS.

Are made in the following sizes: 4-S, 7-S, 14-S, 21-S and 28-S. Capacities, weights and general information are shown below.

Smith Non-Tilting Mixers Size	4-S	7-S	14-S	21-S	28-S
Capacity in mixed concrete per batch	4 cu. ft.	7 cu. ft.	14 cu. ft.	21 cu. ft.	28 cu. ft.
Capacity in unmixed material per batch, Note 1	6 cu. ft.	11 cu. ft	22 cu. ft.	31 cu. ft.	42 cu ft.
Horse Power used—					
Steam engine		4 H. P.	10 H. P.	14 H. P.	18 H. P.
Steam boiler		5 H. P.	12 H. P.	15 H. P.	20 H. P.
Gasoline engine	3 H. P.	5 H. P.	10 H. P.		
Kerosene	3 H P	5 H P.	10 H. P.		
Electric motor	3 H. P	5 H P	10 H. P.	15 H. P.	20 H. P.
Speed of main drive shaft, R. P. M.	143	90	170	160	154
Speed of drum, R. P. M.	14 7	16	14	13	12
Size of driving pulley, inches	18 x 3½	24 x 5½	28 x 6	28 x 7	30 x 9
Weights—					
On skids with pulley or gears, without power	1320	2420	4715	5500	6535
On skids with steam engine only		2830	5595	6695	7935
On skids with engine and boiler		1466	5595	8810	11465
On skids with gasoline or kerosene engine, housed	1970	3270	6715	7930	
On skids with electric motor, housed	1610	2930	5720	7210	8335
Add for trucks	285	760	985	1400	
Add for power loader	460	695	1625	2000	
Add for gated batch hopper	95	249	285	470	650
Add for low charge attachments	175	198			
Add for standard feed spout	85	190	62	66	70
Add for water tank	55	79	180	180	310

Ask for Bulletins and full information on the Smith line.

Smith Non-Tilting Mixers



Smith 14-S with Steam Engine and Boiler, on Trucks, with Power Loader and Water Tank.

SMITH 14-S MIXER.

THE Smith 14-S is known as the "half yard" mixer. Its speed in loading, mixing and discharge is typical of all Smith Mixers.

It can be furnished on skids or on steel trucks, with power loader, gated batch hopper or standard feed chute, and with gasoline or kerosene engine, steam engine and boiler or electric motor.

See table beneath description of No. 4-S, Model C.

All Smith Mixers, Tilting or Non-Tilting, have the famous Smith End-to-Center mixing action, which thoroughly hydrates every particle of cement and produces perfectly mixed concrete of a very lasting quality.

Boiler plate steel is used in all Smith drums. Twenty-one years of experience have proved this to be the best material—strong, light, durable, tough, cannot be cracked by freezing, cannot be cracked by pounding; developes a polished surface, easy to keep clean.

Heavy duty construction throughout characterizes all Smith equipment.

The complete stock of repair parts carried at Kansas City, insures the best of service always.

SMITH AND WESSON REVOLVERS

New Departure model, hammerless, safety attachment, center fire, rubber stock, double action.

32 cal. adapted for 32 S. & W.; 38 cal. for 38 S. & W. for 38 S. & W.

32 CALIBER, 5 SHOTS

NICKEL PLATED.

No. 32N—3 in. barrel, w't 14¼ oz. .....each $40.80

BLUED.

No. 32B—3 in. barrel, w't 14¼ oz. .....each $40.80

38 CALIBER, 5 SHOTS

NICKEL PLATED.

No. 38N—3¼ in. barrel, w't 17 oz. .....each $44 00
No. 48N—4 in. barrel, w't 17½ oz. .....each 44.00

BLUED.

No. 38B—3¼ in. barrel, w't 17 oz. .....each $44.00
No. 48B—4 in. barrel, w't 17½ oz. .....each 44.00

ONE IN A BOX

Hand ejector, model 1903, jointless frame, simultaneous ejecting round handle, rubber stock, double action.

32 CALIBER, 6 SHOTS

BLUED.

No. 6432—3¼ in. barrel, w't 17¾ oz. . .....each $44.00
No. 6632—4¼ in. barrel, w't 18¼ oz. .....each 44.00
No. 6832—6 in. barrel, w't 20 oz. .....each 44.00

NICKEL PLATED.

No. 6532—3¼ in. barrel, w't 17¾ oz. .....each $44.00
No. 6732—4¼ in. barrel, w't 18¼ oz. .....each $44.00

32 caliber adapted for 32 cal. S. & W. long or short.

ONE IN A BOX

Regulation Police model, new pattern safety hammer block, solid frame, swing-out cylinder, double action, square checkered wood stock.

32 caliber adapted for 32 S. & W. Long, 32 S. & W. and 32 Colt's New Police.

38 caliber adapted for 38 S. & W., 38 S. & W. Gallery and 38 Colt New Police.

32 CALIBER, 6 SHOTS

NICKEL PLATED.

No. 6532SB—3¼ in. barrel, w't 17¾ oz. .....each $46.40
No. 6732SB—4¼ in. barrel, w't 18¼ oz. .....each 46.40
No. 6932SB—6 in. barrel, w't 20 oz. .....each 46.40

BLUED.

No. 6432SB—3¼ in. barrel, w't 17¾ oz. .....each $46.40
No. 6632SB—4¼ in. barrel, w't 18¼ oz. .....each 46.40
No. 6832SB—6 in. barrel, w't 20 oz. .....each 46.40

38 CALIBER, 5 SHOTS

BLUED.

No. 6238SB—4 in. barrel, w't 17¾ oz. .....each $46.40

NICKEL PLATED.

No. 6338SB—4 in. barrel, w't 17¾ oz. .....each $46.40

ONE IN A BOX

Military and Police, model 1902, jointless frame, simultaneous ejecting, round handle, wood stock, double action.

38 CALIBER, 6 SHOTS

BLUED.

No. 6438—4 in. barrel, w't 29 oz. .....each $48 80
No. 6838—6 in. barrel, w't 32 oz. .....each 48.80

NICKEL PLATED.

No. 6539—4 in. barrel, w't 29 oz. .....each $48.80

38 CALIBER, 6 SHOTS

BLUED.

No. 6638—5 in. barrel, w't 30 oz. .....each $48.80

NICKEL PLATED.

No. 6738—5 in. barrel, w't 30 oz. .....each $48.80

38 caliber adapted for 38 S. & W. Special and 38 long Colt's.

ONE IN A BOX

SMITH AND WESSON REVOLVERS

Military and Police, model 1905, jointless frame, simultaneous ejecting, square butt, checkered wood stock, double action.

32/20 caliber adapted for 32/20 or 32 WCF. 38 caliber adapted for 38 S&W Special and 38 long Colts Cartridges.

32-20 CALIBER, 6 SHOTS

NICKEL PLATED.

No. 6532WSB—4 in. barrel, w't 30½ oz. ....each $49.60
No. 6732WSB—5 in. barrel, w't 31½ oz .....each 49.60

BLUED.

No. 6432WSB—4 in. barrel, w't 30½ oz. ....each $49.60
No. 6632WSB—5 in. barrel, w't 31½ oz. ....each 49.60
No. 6832WSB—6 in. barrel, w't 32½ oz. ....each 49.60

38 CALIBER, 6 SHOTS

BLUED.

No. 6438SB—4 in. barrel, w't 29 oz. .....each $49.60
No. 6638SB—5 in. barrel, w't 30 oz. .....each 49.60
No. 6838SB—6 in. barrel, w't 31½ oz. .....each 49.60
No. 6838SBT—6 in. barrel, fitted with special partridge sights, w't 31½ ozs. .....each $56.80

NICKEL PLATED.

No. 6538SB—4 in. barrel, w't 29 oz. .....each $49.60
No. 6738SB—5 in. barrel, w't 30 oz. .....each 49.60

ONE IN A BOX

SINGLE SHOT TARGET PISTOL

This arm contains the new design lockwork which gives a perfect pull.

No. 9022—22 cal., single shot, 10 in. barrel, blued, checked wood stock, shoots 22 short, 22 long and 22 long rifle either black or semi-smokeless, w't 26 oz., each $44.80

ONE IN A BOX

Model 1911, heavy frame target, hand ejector, jointless frame, simultaneous ejecting, double action.

Use 22 short, long, long rifle and extra long cartridges.

No. 6822SBT—22 cal., short, long, long rifle and extra long cartridges, 6 shots, blued, 6 in. barrel, square checkered wood stock, inlaid with S. & W. gold monogram, fitted with S. & W. target sights, w't 23 oz., each $50.40

ONE IN A BOX

Military square butt model, double action, solid frame, swing out cylinder, adapted for 44 S&W Special cartridges.

No. 6844SB—44 caliber, 6 shots, 6½ in. barrel, blued, square butt walnut checked stock with swivel, w't 38½ ozs. .....each $56.00

ONE SET IN A BOX

U. S. Army Model 1917, double action, solid frame, swing out cylinder, adapted for the new 45 AUTO-RIM cartridges or regular 45 Automatic Pistol cartridges WITH CLIPS.

No. 6845SB—45 caliber, 6 shots, 5½ in. barrel, blued, walnut checked square butt stock with swivel, w't 36 ozs., each $56.00

ONE IN A BOX

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE

MOTO-METERS

BOYCE

Indicates When Unseen Parts Lack Lubrication, When Cooling Water is Getting Low, or When There is An Overheated Condition Anywhere Throughout the Mechanism of the Car. A Great Trouble Preventer and Repair Bill Saver. Can Be Attached to Any Radiator Cap in Ten Minutes.

DE LUXE MODEL

This Model is All That the Name Implies, Having Been Designed for the Highest Grade Passenger Cars; The Temperature Tube is One Half inch in Diameter, Having a Broad Column of Red Liquid, Readable at a Great Distance; The Case is Silver Plated, and the Finish of the Entire Instrument is of the Highest Quality of Workmanship; Glass Protected Face; Size, 3⅝x5¾ inches.

Complete with Schlaich Moto-Meter Lock.

	Each	
No. D—De Luxe Model; Weight Each, 20 ozs.	**$22 50**	15.00

One in a Box

STANDARD MODEL

A Perfect Heat-Recording Instrument of the Highest Type, With Extremely Broad Ribbon-Bore Thermometer Tube; Because of its Perfection of Workmanship, the Standard Model Has Been Selected as Regular Equipment on America's Leading Cars; Glass Protected Face; Size, 3⅝x5½ inches.

	Each	
No. 1B—Standard Model; Black Enamel Finish With Nickel Retaining Rings; Weight Each, 1 lb.	**$15 00**	10 00
No. 1N—Standard Model; All Nickel Finish; Weight Each, 1 lb.	**15.00**	10.00

One in a Box

Car Name Plates in Stock

We Can Furnish Without Charge to All Purchasers of De Luxe or Standard Model Boyce Moto-Meters, Special Name Plates for the Following Cars:

Buick	Cadillac	Cole	Hudson	Jordan
Marmon	National	Stutz	Willys-Knight	

UNIVERSAL MODEL

Slightly Smaller Than the Standard Model, Finished in All Nickel. A Very Beautiful Instrument; Beveled Crystal Glass Protected Face Adds to its Appearance; Size, 3x5 inches.

	Each	
No. 4B—Universal Model	**$11 25**	7.50
No. 4BD—Universal Model—Special With Dodge Name Plate; Weight Each, 12 ozs.	**11 25**	7.50

One in a Box

JUNIOR MODEL

This Model is Extremely Handsome in Appearance and Appeals Strongly to Owners of Cars of Medium Size; The Frame of This Instrument is Heavily Nickel Plated and it Has the Same Range of Temperature as the Standard and Universal Models. Open Face Type; Size, 3x4¼ inches.

	Each	
No. 2B—Junior Model; Weight Each, 8 ozs.	**$7 50**	5.00

One in a Box

MIDGET MODEL

Designed Along the Lines of the Higher Priced Models; Fully Nickel Plated and Fitted With Beveled Crystals and Retaining Rings, Front and Back; Size, 2⅝x4 inches.

	Each	
No. M—Midget Model; Weight Each, 6 ozs.	**$5 25**	3 50

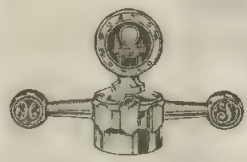
One in a Box

SPECIAL FORD MODEL

This Model is Designed Especially for Use on Ford Cars. It Has a Broad Thermometer Tube Which is Easily Readable Even at a Distance; It is Provided with Beveled Crystals Both Front and Rear and is Finished in Polished Nickel; The Special Ford Cap With Which it is Equipped Makes it An Ideal Instrument; Size, 2⅝x4 inches.

	Each	
No. MF—Special Ford Model; Weight Each, 8 ozs.	**$6 00**	4.00

One in a Box



ARISTOCRAT MODEL FOR THE FORD

Moto-Meter is the Same as Special Ford Model; Equipped with a Special Schlaich Lock Cap Which Not Only Prevents Theft, But Also Serves as a Handsome Ornament.

	Each	
No. MD—Special Ford Model; With Schlaich Lock Cap; Weight Each, 1¼ lbs.	**$10.50**	7.00

One in a Box

TRUCK AND TRACTOR MODEL

The Truck and Tractor Model Boyce Moto-Meter Has Been Designed Especially for Severe Service Conditions, Such as for Use on Trucks and Tractors; Diameter of Thermometer Tube is One-Half inch, Making Breakage Practically Impossible; Frame of the Instrument is Very Substantial, and the Thermometer Tube Thoroughly Protected; Casing is Nickel Plated and, the Tube Has a Broad Red Column of Indicating Liquid, Easily Seen Regardless of Dust Conditions so Often Met With in Truck and Tractor Service; Size, 2⅝x4¾ inches.

	Each	
No. TTB—Truck and Tractor Model; Weight Each, 1 lb.	**$15 00**	10 00

One in a Box

Item Marked ✣ Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory, Long Island City, N. Y.

RADIATOR CAPS

SNAPPY

For Ford Cars

Shows Cap Closed

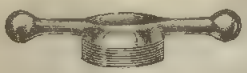
Shows Top Open Ready to Fill

Quick Filling Radiator Cap, Not Necessary to Screw Off Radiator Cap to Put Water in Radiator. Top Has Spring Hinge Which Opens Automatically When Released. Strong Clamp Holds Top Down When Driving. Ball Tip Style Radiator; Cap, 5⅛ inches Wide Made of Special Heavy Alloy Metal; Highly Polished.

Per Dozen

No. SRC—Weight Each, ½ lb..... **$20.00**

Twelfth Dozen in a Box



Made of Special Alloy Metal; Highly Polished; Length, 5 inches

Per Dozen

No. BF—Weight Each, 4 ozs..... **$8.00**

Twelfth Dozen in a Box

Made of Heavy Phosphor Bronze and Heavily Nickel Plated. Ball Tip; Length, Over All, 6½ inches.

Per Dozen

No. B2—Weight Each, ¾ lb..... **$16 00**

Twelfth Dozen in a Box

HUB CAPS

For Ford Cars

ALUMINUM

Neat and Ornamental, Shows Up Fine On a Ford Car. Made of Special Hard Metal and Highly Polished.

Per Dozen

No. 95—Weight Each, 2 ozs..... **$4.50**

Loose

Made of Steel; All Nickel Plated Finish.

Per Dozen

No. 2319—Weight per Dozen, 6 lbs..... **$2.40 1.80**

Loose

RADIATOR ORNAMENTS

Made of Highly Polished Aluminum with Hole Drilled Ready to Attach. Measures 10 inches from Tip to Tip.

Per Dozen

No. 10W—Weight Each, 2 ozs. **$9.00**

Loose

Made of Highly Polished Aluminum with Hole Drilled Ready to Attach. Measures 13½ inches from Tip to Tip.

Per Dozen

No. 13½W—Weight Each, ¼ lb..... **$13.20**

Loose

RADIATOR EMBLEMS

To Attach to Radiator Caps

SPREAD EAGLE

Per Dozen

No. 5410—Nickel Plated Finish; Height, 4 inches, Width, 7 inches; Weight per Dozen, 5 lbs..... **$40.00**

One Dozen in a Box

SHRINER TIGER CLAW

Per Dozen

No. 8065—Nickel Plated Finish; Height, 4 inches; Width, 2¾ inches; Weight per Dozen, 5 lbs..... **$40.00**

One Dozen in a Box

RED CROSS

Per Dozen

No. 8063R—Nickel Plated Body; Red Enameled Cross; Height, 3 inches; Width, 3 inches; Weight per Dozen, 5 lbs..... **$40.00**

One Dozen in a Box

RADIATOR CAPS

SNAPPY

For Ford Cars

Shows Cap Closed

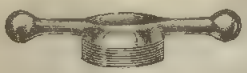
Shows Top Open Ready to Fill

Quick Filling Radiator Cap, Not Necessary to Screw Off Radiator Cap to Put Water in Radiator. Top Has Spring Hinge Which Opens Automatically When Released. Strong Clamp Holds Top Down When Driving. Ball Tip Style Radiator; Cap, 5⅛ inches Wide Made of Special Heavy Alloy Metal; Highly Polished.

Per Dozen

No. SRC—Weight Each, ½ lb..... **$20.00**

Twelfth Dozen in a Box



Made of Special Alloy Metal; Highly Polished; Length, 5 inches

Per Dozen

No. BF—Weight Each, 4 ozs..... **$8.00**

Twelfth Dozen in a Box

Made of Heavy Phosphor Bronze and Heavily Nickel Plated. Ball Tip; Length, Over All, 6½ inches.

Per Dozen

No. B2—Weight Each, ¾ lb..... **$16 00**

Twelfth Dozen in a Box

HUB CAPS

For Ford Cars

ALUMINUM

Neat and Ornamental, Shows Up Fine On a Ford Car. Made of Special Hard Metal and Highly Polished.

Per Dozen

No. 95—Weight Each, 2 ozs..... **$4.50**

Loose

Made of Steel; All Nickel Plated Finish.

Per Dozen

No. 2319—Weight per Dozen, 6 lbs..... **$2.40 1.80**

Loose

RADIATOR ORNAMENTS

Made of Highly Polished Aluminum with Hole Drilled Ready to Attach. Measures 10 inches from Tip to Tip.

Per Dozen

No. 10W—Weight Each, 2 ozs. **$9.00**

Loose

Made of Highly Polished Aluminum with Hole Drilled Ready to Attach. Measures 13½ inches from Tip to Tip.

Per Dozen

No. 13½W—Weight Each, ¼ lb..... **$13.20**

Loose

RADIATOR EMBLEMS

To Attach to Radiator Caps

SPREAD EAGLE

Per Dozen

No. 5410—Nickel Plated Finish; Height, 4 inches, Width, 7 inches; Weight per Dozen, 5 lbs..... **$40.00**

One Dozen in a Box

SHRINER TIGER CLAW

Per Dozen

No. 8065—Nickel Plated Finish; Height, 4 inches; Width, 2¾ inches; Weight per Dozen, 5 lbs..... **$40.00**

One Dozen in a Box

RED CROSS

Per Dozen

No. 8063R—Nickel Plated Body; Red Enameled Cross; Height, 3 inches; Width, 3 inches; Weight per Dozen, 5 lbs..... **$40.00**

One Dozen in a Box

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE

MOTO-METERS

BOYCE

Indicates When Unseen Parts Lack Lubrication, When Cooling Water is Getting Low, or When There is An Overheated Condition Anywhere Throughout the Mechanism of the Car. A Great Trouble Preventer and Repair Bill Saver. Can Be Attached to Any Radiator Cap in Ten Minutes.

DE LUXE MODEL

This Model is All That the Name Implies, Having Been Designed for the Highest Grade Passenger Cars; The Temperature Tube is One Half inch in Diameter, Having a Broad Column of Red Liquid, Readable at a Great Distance; The Case is Silver Plated, and the Finish of the Entire Instrument is of the Highest Quality of Workmanship; Glass Protected Face; Size, 3⅝x5¾ inches.

Complete with Schlaich Moto-Meter Lock.

	Each	
No. D—De Luxe Model; Weight Each, 20 ozs.	**$22 50**	15.00

One in a Box

STANDARD MODEL

A Perfect Heat-Recording Instrument of the Highest Type, With Extremely Broad Ribbon-Bore Thermometer Tube; Because of its Perfection of Workmanship, the Standard Model Has Been Selected as Regular Equipment on America's Leading Cars; Glass Protected Face; Size, 3⅝x5½ inches.

	Each	
No. 1B—Standard Model; Black Enamel Finish With Nickel Retaining Rings; Weight Each, 1 lb.	**$15 00**	10 00
No. 1N—Standard Model; All Nickel Finish; Weight Each, 1 lb.	**15.00**	10.00

One in a Box

Car Name Plates in Stock

We Can Furnish Without Charge to All Purchasers of De Luxe or Standard Model Boyce Moto-Meters, Special Name Plates for the Following Cars:

Buick	Cadillac	Cole	Hudson	Jordan
Marmon	National	Stutz	Willys-Knight	

UNIVERSAL MODEL

Slightly Smaller Than the Standard Model, Finished in All Nickel. A Very Beautiful Instrument; Beveled Crystal Glass Protected Face Adds to its Appearance; Size, 3x5 inches.

	Each	
No. 4B—Universal Model	**$11 25**	7.50
No. 4BD—Universal Model—Special With Dodge Name Plate; Weight Each, 12 ozs.	**11 25**	7.50

One in a Box

JUNIOR MODEL

This Model is Extremely Handsome in Appearance and Appeals Strongly to Owners of Cars of Medium Size; The Frame of This Instrument is Heavily Nickel Plated and it Has the Same Range of Temperature as the Standard and Universal Models. Open Face Type; Size, 3x4¼ inches.

	Each	
No. 2B—Junior Model; Weight Each, 8 ozs.	**$7 50**	5.00

One in a Box

MIDGET MODEL

Designed Along the Lines of the Higher Priced Models; Fully Nickel Plated and Fitted With Beveled Crystals and Retaining Rings, Front and Back; Size, 2⅝x4 inches.

	Each	
No. M—Midget Model; Weight Each, 6 ozs.	**$5 25**	3 50

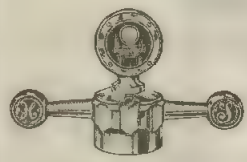
One in a Box

SPECIAL FORD MODEL

This Model is Designed Especially for Use on Ford Cars. It Has a Broad Thermometer Tube Which is Easily Readable Even at a Distance; It is Provided with Beveled Crystals Both Front and Rear and is Finished in Polished Nickel; The Special Ford Cap With Which it is Equipped Makes it An Ideal Instrument; Size, 2⅝x4 inches.

	Each	
No. MF—Special Ford Model; Weight Each, 8 ozs.	**$6 00**	4.00

One in a Box



ARISTOCRAT MODEL FOR THE FORD

Moto-Meter is the Same as Special Ford Model; Equipped with a Special Schlaich Lock Cap Which Not Only Prevents Theft, But Also Serves as a Handsome Ornament.

	Each	
No. MD—Special Ford Model; With Schlaich Lock Cap; Weight Each, 1¼ lbs.	**$10.50**	7.00

One in a Box

TRUCK AND TRACTOR MODEL

The Truck and Tractor Model Boyce Moto-Meter Has Been Designed Especially for Severe Service Conditions, Such as for Use on Trucks and Tractors; Diameter of Thermometer Tube is One-Half inch, Making Breakage Practically Impossible; Frame of the Instrument is Very Substantial, and the Thermometer Tube Thoroughly Protected; Casing is Nickel Plated and, the Tube Has a Broad Red Column of Indicating Liquid, Easily Seen Regardless of Dust Conditions so Often Met With in Truck and Tractor Service; Size, 2⅝x4¾ inches.

	Each	
No. TTB—Truck and Tractor Model; Weight Each, 1 lb.	**$15 00**	10 00

One in a Box

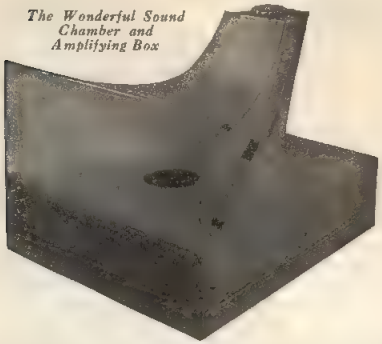
Item Marked ✣ Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory, Long Island City, N. Y.

The Ampliphone

The Only Phonograph with An Extra Sound Chamber

An Exclusive Ampliphone Feature

The Wonderful Sound Chamber and Amplifying Box

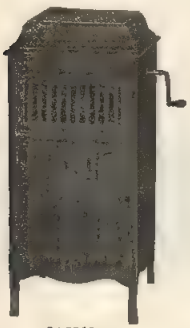


The above illustration represents the sound chamber and amplifying box. This is constructed of the most resonant material known to science. Accommodating itself to every intensity and reflection of sound, greatly enlarging the volume of sound, yet retaining that deep rich tone that gives the Ampliphone that prestige and power of leadership. For depth and volume of tone it cannot be surpassed. It has no metal throat, being made of wood entirely up to where it joins the tone arm. When the sound waves are traveling down the horn reach this opening they are diverted into this sound chamber where each tone is given full chance to vibrate, giving the hearer a smooth tone, appealing clear, well rounded, musical and scientifically true.

On the

Ampliphone

the voice is re-humanized; instruments of brass stand out in perfect individuality and timbre; while stringed instruments have restored to them the vibration essential to satisfying performance.

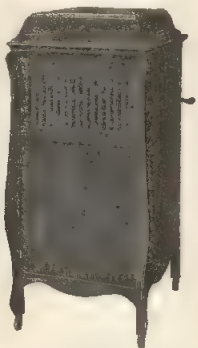


3+6849

MAHOGANY, GOLDEN AND FUMED OAK CABINET

Height, 42 inches. Width, 18½ inches. Depth, 21½ inches. Strong double spring motor. Twelve-inch turntable. Brake and speed regulator. Tone modifier. **All parts highly nickeled.** Universal tone arm playing all makes of disc records without any attachments or universal joints. Shelf filing system

Price, **$133.40**
Retail Price, $110.00
Shipping weight about 180 pounds.



B3+6849½

MAHOGANY, GOLDEN OAK, FUMED OAK AND WALNUT CABINET

Height 45⅝ inches. Width, 21½ inches. Depth 23 inches. Extra strong double spring worm gear motor. Twelve inch turntable. Brake, speed indicator, and regulator. Tone modifier. All parts highly nickeled. Plays all makes of records. Shelf filing system

Price, **$190.00**
Retail price, $158.00

3+6850

MAHOGANY, WALNUT, GOLDEN AND FUMED OAK CABINET

Height, 43⅝ inches. Width, 20⅛ inches. Depth 22⅝ inches. Extra strong double spring worm gear motor. Twelve-inch turntable. Brake, speed indicator and regulator. Tone modifier. **All parts highly nickeled.** Universal sound box and tone arm playing all makes of disc records without any attachments or universal joints. Shelf filing system

Price, **$170.00**
Retail Price, $135.00
Shipping weight about 200 pounds.

THE ABOVE PRICES ARE SUBJECT TO THE REGULAR DISCOUNT.

IF ANY ARTICLE PROVES UNSATISFACTORY, RETURN AT ONCE. WE WILL EXCHANGE OR REFUND MONEY.

"THE HOUSE OF QUALITY, SERVICE AND SATISFACTION"

The Ampliphone

Built on the Same Principle as the Violin, Amplifies the Beautiful Tone Quality of All Selections

3+6851

Mahogany and Walnut Cabinet

Height, 48 inches. Width, 23 inches Depth, 24½ inches. Twelve-inch gold-plated, green plush turntable. Extra heavy perfectly and even tempered spring, s. Worm gear governor drive with bevel gear winding shaft. Speed regulator operated from graduated dial on motor board. Tone modifier. **All parts gold-plated.** Universal sound box and tone arm, playing all makes of disc records with [illegible] attachments or universal joints. Contains albums for the filing of records. Price **$248.50** list. Retail Price, $225.00 net. Shipping weight about 225 pounds

The Ampliphone

will find its place in your home and your heart, your innate love for the true beauty of music instinctively tells you that here is a phonograph that plays as you would play, with an indescribable delicate warmth—and sings as you would sing, with feeling and enchanting sympathy.

This marvelous fidelity to original tone value is attributed to the patented amplifying tone chamber, a triumph of human ingenuity and skill.

WHILE the amplifying chamber greatly enlarges the volume of sound, it is of such sonorous depth and softness, that every quality of music from the Ampliphone is cadenced to unspeakably thrilling sweetness.

3+6852

Mahogany and Walnut Cabinet

Height, 48 inches. Width, 23 inches. Depth, 24½ inches. Twelve-inch turntable. Extra heavy perfectly and even tempered spring worm gear motor with bevel gear type winding shaft. Speed regulator adjustable with graduated dial. Tone modifier. **All parts highly nickeled.** Universal sound box and tone arm playing all disc records without any attachments or universal joints. Contains albums for the filing of records. Price, **$225.50** list. Retail price, $175.00 net. Shipping weight about 225 pounds.

B3+6851½

Mahogany and Walnut Cabinets

Length 32½ inches Height, 31½ inches Depth, 22½ inches. Strong double spring, motor Twelve-inch turntable Brake speed indicator and regulator Tone modifier All parts highly nickeled Plays all makes of records. Drop tray record holder Retail price, $115.00 Price **$195.50**

B3+6852½

Mahogany and Walnut Cabinet

Length 42 inches. Height 38 inches. Depth 24½ inches Twelve-inch gold plated, green plush turntable. Extra heavy double spring worm gear motor with bevel gear type winding shaft. Speed regulator, brake, tone modifier All parts gold plated. Plays all makes of records Contains albums for the filing of records. Retail price, $250.00. Price **$322.00**

THE ABOVE PRICES ARE SUBJECT TO THE REGULAR DISCOUNT.

IF ANY ARTICLE PROVES UNSATISFACTORY, RETURN AT ONCE. WE WILL EXCHANGE OR REFUND MONEY.

Wm. Rogers & Son

"THE BEST AT THE PRICE"

"Reinforced Plate," or an Extra Deposit of Silver, where the Wear Comes

LINCOLN

Bright Finish

Heavy Plate

Dessert Forks
12 in a lined box $ 4 dozen
Medium Forks
12 in a lined box $ 5 dozen

Tea Spoons
12 in a lined box
$5 dozen

Dessert Spoons
12 in a lined box $ 8 dozen
Table Spoons
12 in a lined box $ 12 dozen

Triple Plate

Medium Knives or Forks, Hollow Handle $23 40 doz.
No. 0 Medium Knives, Hollow Handle, Stainless Steel Blade
Dessert Knives or Forks, Hollow Handle
No. 1 Dessert Knives, Hollow Handle, Stainless Steel Blade
Breakfast Knives, Hollow Handle
Medium Knives or Forks, Solid Handle
No. 81 Medium Knives, Solid Handle, Stainless Steel Blade
No. 81 Medium Heavy Solid Handle, Stainless Steel Blade
Dessert Knives or Forks, Solid Handle, and Swaged

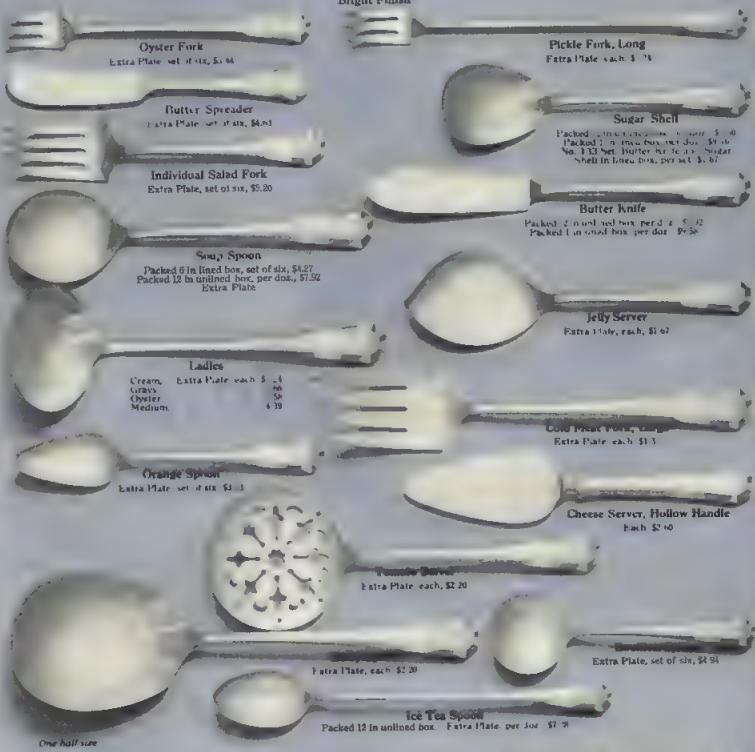
INTERNATIONAL SILVER CO.

Wm. Rogers & Son

"THE BEST AT THE PRICE"

LINCOLN

Bright Finish



Oyster Fork
Extra Plate, set of six, $3.44

Pickle Fork, Long
Extra Plate, each, $ .74

Butter Spreader
Extra Plate, set of six, $4.03

Sugar Shell
Packed [illegible]
Packed 1 in lined box, each doz. $9.36
No. 133 Set, Butter Knife and Sugar Shell in lined box, per set, $ 3.67

Individual Salad Fork
Extra Plate, set of six, $5.20

Butter Knife
Packed 1 in lined box, per doz. $ 7.92
Packed 1 in unlined box, per doz. $6.36

Soup Spoon
Packed 6 in lined box, set of six, $4.27
Packed 12 in unlined box, per doz., $7.92
Extra Plate

Jelly Server
Extra Plate, each, $1.67

Ladles

Cream,	Extra Plate, each $ .74
Gravy	.90
Oyster	.56
Medium	1.19

Cold Meat Fork, Large
Extra Plate, each, $1.31

Orange Spoon
Extra Plate, set of six, $3.03

Cheese Server, Hollow Handle
Each $2.40

Pie Server
Extra Plate, each, $2.20

Extra Plate, each, $2.20

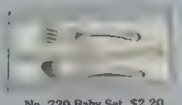
Extra Plate, set of six, $4.94

Ice Tea Spoon
Packed 12 in unlined box. Extra Plate, per doz. $7.70

One half size

Illustrations of sets about one-fifth actual size

No. 500 F Set, in box, $8.74
6 Solid Handle Medium Knives and 6 Flat Forks
No. 504 F with Dessert Knives and Forks . . . $8.44
No. 500. 4 with No. 41 Stainless Steel Knives, 12.60
No. 500/7 with No. 71 Stainless Steel Knives, 12.28



No. 720 Baby Set, $2.20
Flat Handle Baby Spoon, Knife and Fork, in lined box

No. 702 Set, in lined box, $15.92
6 Hollow Handle Medium Knives and 6 Flat Handle Medium Forks
No. 703 with Dessert Knives and Forks, $15.30

INTERNATIONAL SILVER CO.

Ladies' Knitted Bathing Suits

Our Ladies' Bathing Suits are created to meet the demand of discriminating buyers who seek garments entirely out of the ordinary. They are built to an ideal, fit, style and quality paramount, a strictly quality, not a quantity product. The fabric is especially knitted in the finest pure worsteds, in a tight, smooth, even stitch to insure elasticity and shape retaining qualities. Every detail is carefully carried out, each button matches its background, shoulder reinforcements of knitted fabric (not cloth, as is commonly used), extra large double gussets in seats, each suit has a pocket with button flap on trunks Free easy armholes. **Give actual bust measure.**

Ladies' Bathing Suit

One-piece, conservative yet artistic. Two band stripes on skirt. The neck and armholes are also striped in the following colors:

5+7586 Black and Kelly.
5+7587 Myrtle and Scarlet.
5+7588 Peacock and Gold.
Each **$11.40**
5+7589 Hose to match.
Per Pair, **$3.00**

Ladies' Bathing Suit

A very attractive model with V neck, armholes, full belt and one-inch band around the skirt of contrasting colors. Combinations as follows:

5+7590 Navy and White.
5+7591 Scarlet and White.
5+7592 Peacock and Gold.
Each **$12.00**
5+7593 Hose to match.
Per Pair, **$3.00**

Ladies' Bathing Suit

An ultra-conservative model for discriminating trade. Solid colors with V neck, shield sleeves, full belt and bottom of skirt piped in contrasting colors, a short slit in the sides of the skirt, stayed with three cross stripes in colors to match piping In the following color combinations:

5+7594 Black and White.
5+7595 Purple and Gold.
5+7596 Myrtle and Scarlet.
Each **$14.15**
5+7597 Hose to match.
Per Pair, **$3.00**

Ladies' Bathing Shoes

Ladies' 8-inch high white canvas shoe, trimmed in white and buck, soft leather soles Sizes, 3 to 7.
5+7598 Per pair **$3.00**

In ordering these suits, give actual bust measure. It is not necessary to purchase one of these suits larger than actual measure. They are made to fit.

Men's Fine Bathing Suits

Latest Style Models and Color Effects. Prices Each

Fit the Body Snugly and Do Not Hinder the Swimmer's Motions

Our line of Bathing Suit designs are exclusive, sensible and in keeping with the uses the garments are put to. Every detail to make these suits as perfect as possible is utilized. THEY ARE MADE OF PURE WORSTED OF THE FINEST QUALITY, firmly knit in that smooth, elastic stitch, carefully tailored. No seam at waist or in hem, extra large free armhole, narrow shoulder straps. THE UTMOST IN BATHING APPAREL. IN ORDERING GIVE ACTUAL CHEST MEASURE. Sizes 34 to 44.

Men's Suit, one piece, conservative style, plain round hemmed neck, neat border stripe in skirt.

5+7599 Black and White.

5+7600 Oxford and Black.

Each **$9.20**

Men's Suit, one-piece, bound V neck and armholes, broad stripe at the bottom of the skirt, two-button shoulder.

5+7601 Navy and Kelly.

5+7602 Oxford and Gold.

Each **$10.00**

Men's Suit, one-piece, designed for the man who wants a snappy suit of athletic lines. Has knitted belt, V neck, trimmed armholes and skirt of contrasting colors.

5+7603 Navy and White.

5+7604 Purple and Gold.

Each **$11.35**

Men's New Style two piece Bathing Suit. The skirt and supporter are in one piece, which not only supports perfectly but prevents skirt working up, absorbs very little water, dry out quickly and hold their shape. Skirts come either in White, Navy or Maroon. (Specify.) Pants Navy Blue and White belt.

5+7605 Per suit. . . **$10.65**

Rubber Bathing Caps.

5+7606	Men's Plain Diving Caps, pure gray. Each	**$1.00**
5+7607	Men's High Crown Skull Caps. Each	**1.05**
5+7608	Ladies' Plain Diving Caps, all colors. Each	**40**
5+7609	Ladies' Tam Style Caps, have large bow in front, assorted colors. Each	**1.25**
5+7610	Ladies' Plain Diving Cap, has rosette on side, assorted colors. Each	**1.55**
5+7611	Ladies' Fringe Style Caps, assorted colors. Each	**1.20**

Our Bathing Suits are made full size. Give actual measurements

Ayvad's Water-Wings

Learn to Swim by One Trial

5+7612 Ayvad's Water-Wings, plain white great help in swimming. Pair **$0.65**

5+7613 Ayvad's Colored Water-Wings, high quality, superior retention. Pair..... **$0.85**

The Frank Ear Stopple

Fits just inside the ear, something a bather should not be without. An absolute protection against getting water in the ear while bathing, or taking showers. Also used by shooters to deaden the sharp noise.

Made of soft, flexible rubber, and is not injurious to the ear. Specify large, medium or small.

5+7614 For Bathers. Each **$0.80**

Surf Ball

5+7615 Surf Ball. Cork composition, high grade floating surf ball for real water sport.

Each **$0.90**

THE ABOVE PRICES ARE SUBJECT TO THE REGULAR DISCOUNT.

IF ANY ARTICLE PROVES UNSATISFACTORY, RETURN AT ONCE. WE WILL EXCHANGE OR REFUND MONEY.

"THE HOUSE OF QUALITY, SERVICE AND SATISFACTION"

TENNIS RACKETS

WRIGHT AND DITSON'S

Wright & Ditson rackets weighing 13 oz. and over are guaranteed by the manufacturers for 30 days after date of purchase. Rackets on which claim of defect is made must be forwarded for inspection and all transportation charges paid by the sender.

Used by National Champions and prominent players throughout the country. The frame carefully selected for playing quality and balance. Has green binding and trimming on the throat, 5½-inch handle. Long and narrow shape especially adapted for stroke players and for overhead work; handle is the same size throughout playing surface, which gives the player the same grip when playing from back of the court as at the net

No. 37—Gold Star, in weights 13½, 14 and 14½ oz. .....each $18.00

Named in honor of the famous Davis Cup. Made of choicest materials especially selected, oval in shape, dogwood re-inforcement and black walnut laminated concave throat, angle stringing, 5½ in. handle.

No. 35—Davis Cup, in w'ts 13½, 14 and 14½ oz. .....each $18.00

Oval shape with concave white dogwood throat; frame made of well seasoned second growth ash in the new style chamfering, making a fine appearing and durable racket; double center stringing. Red, white and blue binding where strain in playing comes on frame. 5½-inch handle.

No. 34—All American, in weights 13½, 14 and 14½ oz.....each $10.50

Strung with good quality gut, extra center strings, shoulders reinforced, beveled frame, light cherry throat. Very practical racket for medium price. In light, medium and heavy weights.

No. 21—Champion .....each $8.00

This racket has for a long time been one of the most popular among the medium priced rackets. Strung with good quality gut bound at shoulders and on frame where the strain comes. Made in light, medium and heavy weights.

No. 23—Longwood .....each $8.00

Frame made of selected white ash, mahogany throat. Strung with good quality gut, extra strings in center. Reinforced at shoulders with binding. Made in light, medium and heavy weights.

No. 26—Park .....each $4.80

Very popular low priced racket with extra center strings, well finished throughout. Light, medium and heavy weights.

No. 27—Hub .....each $4.00

HIBBARD TENNIS RACKETS

Vantage.

Riverside.

Duchess.

Jackson Park.

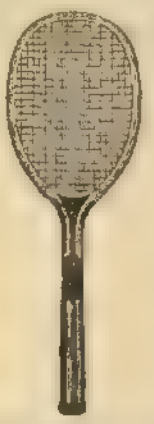
VANTAGE—Concave throat, slightly beveled, selected white ash frame, shoulders reinforced with oak strip and two rows of red binding. Double center stringing, with imported guaranteed white gut, cedar handle, w't 13 to 14½ oz. .....each $9.90

RIVERSIDE—Oval shaped white ash frame with convex white holly throat piece, shoulders reinforced with red fibre and two rows of red binding, double center stringing of fine quality white guaranteed gut, w'ts 13 to 14 oz. .....each $6.70

DUCHESS—Made of selected white ash with shaped handle especially for girls, beveled oval frame with reinforced concave throat, red gut binding on shoulders and double center stringing of white guaranteed gut, w't 12½ to 13½ oz. .....each $6.30

JACKSON PARK—Frame copied after an English racket, made of selected second growth white ash, low cut walnut throat reinforced with red fibre, shoulders wound with red binding, strung with finest Oriental gut, w't 13 to 14½ oz. .....each $5.00

STERLING—Made of selected white ash, with concave throat reinforced with oak strip and purple binding, fine combed handle, double center stringing feature using fine quality of gut w't 13 to 14½ oz., each $7.50



CHICAGO—New model with concave throat, shoulders reinforced with green binding, ash frame, double center stringing, oriental gut, w't 13 to 14½ oz., each $4.20

WASHINGTON PARK—Strong made racket with black walnut throat, double center stringing, reinforced with red shoulder binding, strung with oriental gut, w't 13 to 14 oz., each $3.60

BUCKINGHAM—Made of selected ash, full sized frame, walnut throat, close stringing with good oriental gut, good, strong, reasonably priced racket, single center stringing, w't 12½ to 14 oz. .....each $3.00

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE

A. C. SPARK PLUGS

A. C. TITAN—S. A. E. REGULAR

Regular Equipment on Apperson, Durant Six, Haynes to 1921, Marmon, Mitchell, Stearns-Knight and Templar Passenger Cars. Also Federal and Republic Trucks, and All Cars of the Delco Lighting System.

Each

No. SAET—⅞ inch A. L. A. M. Thread; Small S. A. E. Body **$1 15**

A. C. TITAN CARBON PROOF—S. A. E. REGULAR

Each

No. SAECP—⅞ inch A. L. A. M. Thread; Small S. A. E. Body . . . **$1 15**
One in a Box, Ten in a Carton; Weight 3 lbs.

A. C. TITAN—S. A. E. LONG

Regular Equipment on Durant Four, Oakland 34-B Oldsmobile Six, Saxon, Scripps-Booth Six, and All Nash Cars Up to 1920, and 6 Cylinder Models 1923.

Each

No. SAELT—⅞ inch A. L. A. M. Thread, Small S. A. E. Body with ½ inch Extension **$1.15**

A. C. TITAN CARBON PROOF -S. A. E. LONG

Each

No. SAELCP—⅞ inch A. L. A. M. Thread; Small S. A. E. Body with ½ inch Extension **$1 15**
One in a Box; Ten in a Carton; Weight 3 lbs.

A. C. TITAN—NASH SPECIAL

Regular Equipment on Nash Cars, All Models, 1920, 21, 22 and 4 Cylinder Models 1923; Extra Long with Special Terminal.

Each

No. SAENT—⅞ inch A. L. A. M. Thread; Small S. A. E. Body, Special Terminal; Long Extension **$1 15**

A. C. TITAN CARBON PROOF—S. A. E. EXTRA LONG

Each

No. SAENCP—⅞ inch A. L. A. M. Thread; Small S. A. E. Body; Special Terminal; Long Extension **$1 15**
One in a Box; Ten in a Case; Weight 3 lbs.

A. C. TITAN—REGULAR METRIC

With Carbon Proof Porcelain

Regular Equipment on Essex and Hudson, 1922 Models. Can Also be Used on Duesenberg, Rolls-Royce and Wills-Sainte-Claire.

Each

No. 18MCP—Metric Thread **$1 15**
One in a Box; Ten in a Carton; Weight 3 lbs.

A. C. SPARK PLUG ASSORTMENTS

The A. C. Quick Seller Junior Assortment of Spark Plugs Come in An Attractive Counter Display Case that Will Help the Sale of Spark Plugs. This Assortment is a Wonderful Value, and a Money Maker. Contains 50 Assorted Spark Plugs.

This Assortment Can be Changed to Suit Customers Requirements, if Necessary.

	Principal Cars Using These Types:
10—⅞ Regular.	Cadillac, Cleveland, Maxwell, Paige, Hupp, Dort and Cole.
10—⅞ Long	. . . Buick, Chevrolet, Haynes, Kissell, Etc.
5—S. A. E. Long	. . . Durant Four, Oakland, Oldsmobile, Nash, Saxon.
5—S. A. E. Regular.	. Durant Six, Apperson, Marmon, Mitchell, Studebaker, and Cars of the Delco Lighting System.
10—Dodge. . . .	. Dodge, G. M. C. Trucks, Hanson, Etc.
10—A. C. 1075 . .	. . Ford and Fordson.

Per Assortment

No. ACJA—Display Case; Complete with 50 Assorted Spark Plugs. **$55.20**
One in a Crate

A. C. QUICK SELLER

The A. C. Quick Seller **Holds 140 A. C. Spark Plugs,** Enabling You to Carry a Supply of Each of the 14 Best Selling Types and to Provide Instantly the Correct Plug For Any Make of Motor Car, Truck, Tractor, Motorcycle, Motorboat or Stationary Engine.

By Keeping a Perpetual Inventory of Your Spark Plug Stock, the AC Quick Seller Prevents Loss of Sales. It Shows at a Glance When it is Time to Re-order Any Type of Plug.

In Brief, the AC Quick Seller is a Well Made, Attractively Finished Sales Cabinet that You will be Proud to Have on Your Counter. It is so Built that Every Plug is Visible and Instantly Accessible. That Enables You to Speed Up and Increase Your Spark Plug Sales. It May be Locked to Prevent Loss or Theft.

AC Quick Seller Will be Sent "No Charge" with an Order for 140 AC Spark Plugs.

One Only to a Dealer

A. C. TERMINALS FOR SPECIAL CARS

Terminal for Special Cars as per Illustration Will be Furnished Gratis upon Request When Ordered With An Equal Amount of A. C. Plugs.

A. C. SPARK PLUGS

SPECIAL FOR FORD CARS

Spring Terminal Clip Permits Wire to be Instantly Detached and Re-Connected While Motor is Running. Facilities Testing Spark Plug and Coil. No Nut to be Unscrewed or Lost.

By Merely Unscrewing the Bushing, Plug May Be Completely Disassembled. Only One Gasket is Used; Extra Large Body Porcelain to Withstand Hard Service.

Patented Carbon Proof Porcelain. Saw Tooth Edges Attain Sufficient Heat to Burn Oil Deposits Thus Offering Effective Resistance to Carbon.

Large Electrode Will Last Indefinitely. Special Shape Forms Natural Drain, Preventing Oil Lodging in the Spark Gap.

Each

No. 1075—½ inch U. S. Standard Pipe Thread..... **$0.90**
One in a Box; Ten in a Carton; Weight, 3 lbs.

EXTRA PORCELAINS FOR No. 1075 SPARK PLUGS

Each

No. 1075P—For No. 1075 Spark Plugs..... **$0 45**
One in a Carton; Twenty-Five in a Box; Weight, 1½ lbs.

A. C. TITAN—½ INCH LONG

Regular Equipment on Reo Cars. Recommended for Overland Up to 1914 and Winton Up to 1915.

Each

No. 12LT—½ inch U. S. Standard Pipe Thread with ½ inch Extension..... **$1 15**

A. C. TITAN CARBON PROOF—½ INCH LONG

Each

No. 12LCP—½ inch U. S. Standard Pipe Thread with ½ inch Extension..... **$1 15**
One in a Box; Ten in a Carton; Weight 3 lbs.

A. C. TITAN—⅞ INCH REGULAR

Regular Equipment on Buick Model 35, Cadillac, Chalmers, Cole, Dort, Hudson (to 1921), Hupmobile, Jewett, LaFayette, Liberty, Maxwell, National, Oldsmobile, 8, Paige, Star, and 203 Other Well Known Makes of Passenger Cars, Trucks and Tractors.

Each

No. 78RT—⅞ inch A. L. A. M. Thread..... **$1.15**

A. C. TITAN CARBON PROOF—⅞ INCH REGULAR

Each

No. 78 RCP—⅞ inch A. L. A. M. Thread..... **$1 15**
One in a Box; Ten in a Carton; Weight 3 lbs.

KEEP YOUR STOCK OF AUTO ACCESSORIES UNBROKEN, AND THE TRADE OF THE GOOD MECHANICS WILL COME YOUR WAY.

THE SHAPLEIGH LINE EMBRACES ALL THE BEST SELLING AUTO ACCESSORIES.

IT IS DANGEROUS TO ADVERTISE A "COMPLETE" STOCK OF AUTO ACCESSORIES AND THEN RUN SHORT BECAUSE OF NEGLECT TO SEND A MAIL ORDER.

THE PRACTICAL MAN QUICKLY RECOGNIZES THE BENEFITS TO BE DERIVED FROM USING MAIL ORDERS.

A. C. SPARK PLUGS

A. C. TITAN—⅞ INCH LONG

Regular Equipment on Buick, Chevrolet, Haynes Model 75, Kissel Kar, McLaughlin, Scripps-Booth.

Each

No. 78LT—⅞ inch A. L. A. M. Thread with ½ inch Extension and Special Termina..... **$1.15**

A. C. TITAN CARBON PROOF—⅞ INCH LONG

Each

No. 78LCP—⅞ inch A. L. A. M. Thread with ½ inch Extension and Special Terminal..... **$1.15**
One in a Box, Ten in a Carton; Weight 3 lbs.

A. C. TITAN—⅞ INCH EXTRA LONG BODY

Designed Especially for Haynes Model 75, and Adopted as Regular Equipment on This Car. Can Also be Used on Chandler, White and Willys-Knight.

Each

No. 78XLBT—⅞ inch Extra Long Body..... **$1.15**

A. C. TITAN CARBON PROOF—⅞ INCH EXTRA LONG BODY

Each

No. 78XLBCP—⅞ inch Extra Long Body..... **$1.15**
One in a Box; Ten in a Case, Weight 3 lbs.

A. C. TITAN—DODGE SPECIAL

Regular Equipment on All Dodge Cars; Slightly Longer than ⅞ inch Regular Titan. Can Also be Used on Cunningham and Rickenbacker.

Each

No. 78DT—⅞ inch A. L. A. M. Thread..... **$1.15**

A. C. TITAN CARBON PROOF—DODGE SPECIAL

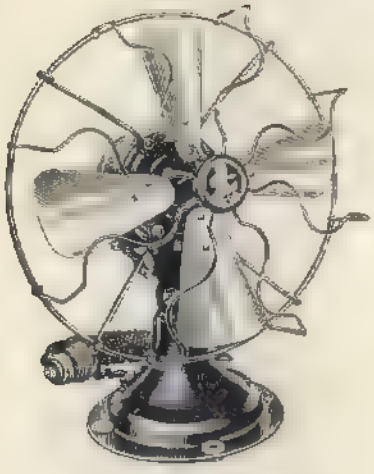
Each

No. 78DCP—⅞ inch A. L. A. M. Thread..... **$1.15**
One in a Box; Ten in a Carton; Weight 3 lbs.

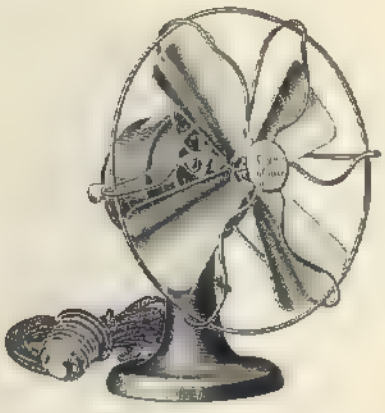
ALBANY HARDWARE & IRON CO.

ELECTRIC FANS

Polar Cub



No. B64, Oscillating

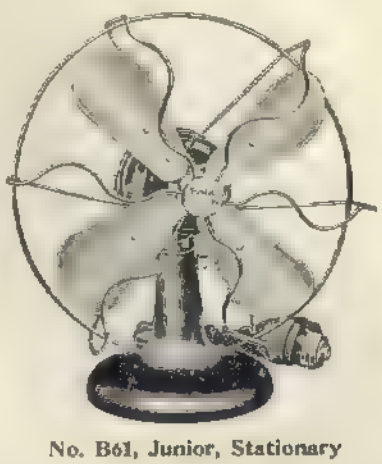


No. B63, Stationary

Universal motors A. C. or D. C. current, 110 volts, 60 cycles or less. Carbon brushes. Self-aligning bronze bearings. Drawn steel shell and base for desk or wall, electrically baked black enamel Black or brass blades with heavy wire guard. Standard cord and two piece plug

No.	Diam.	Height	Width	Speeds	Wattage	Packed	Weight	Each
B64	10 in.	12½ in.	10½ in.	2	25 to 30	1	7 lbs	**$9.95**
B63	10 in.	12½ in.	10½ in.	1	25 to 30	1	6 lbs	**6.50**

No. B62, Senior, Stationary



No. B61, Junior, Stationary

Universal motor A. C. or D. C. current, 110 volts. Self-aligning bronze bearings. Drawn steel shell and base for desk or wall Black finish. Standard cord and two piece plug

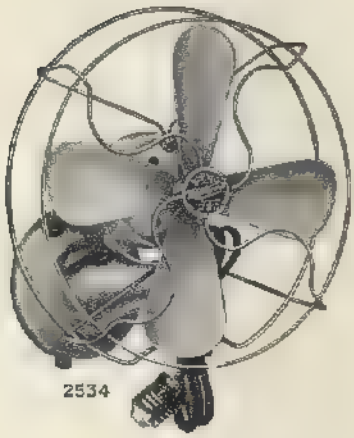
No.	Diam.	Height	Width	Speeds	Wattage	Packed	Weight	Each
B62	9 in.	12½ in.	10½ in.	1	28 to 30	1	6 lbs.	**$4.95**
B61	8 in.	10 in.	8½ in.	1	20 to 25	1	4½ lbs.	**3.95**

Universal motor A. C. or D. C. current, 110 volts, 60 cycles or less. Bronze bearings. Two part drawn steel motor shell, cast iron base. Black finish. Black twisted lamp cord and two piece plug.

ALWAYS SPECIFY VOLTAGE IN ORDERING

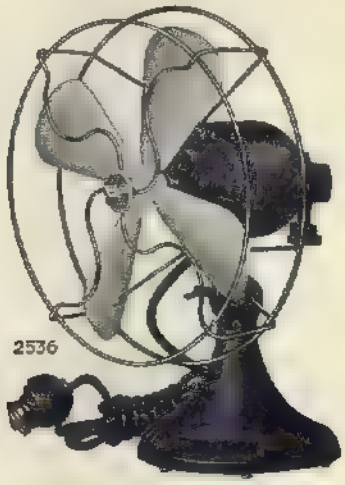
ELECTRIC FANS

Northwind



Type 444

Non-oscillating, convertible for wall or desk. With cord and plug. Light mat brass finish over motor, base, blades and guard. Voltage 100 to 120, current A. C. or D. C.

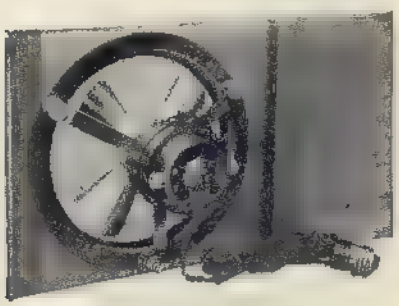


Type 450

Oscillating, for wall or desk. Dull black finish over motor, body, base and guard, blades have light mat brass finish. Voltage 100 to 120, current A. C. or D. C.

Type	Diam.	Speeds	Wattage	Packed	Weight	Each
444	8 in.	2	30 to 40	1	7 lbs.	**$7.50**
450	10 in.	3	50	1	17 lbs.	**15.00**

ELECTRIC VENTILATOR



No. B94

Inserted in the top of the window frame and extended to the proper length. Width 8¼ inches, extends from 18¼ to 36 inches. Natural and gray finish.

Polar Cub Universal motor, 110 volts, A. C. or D. C. current, frame baked in black japan.

Eight foot cord, 2 piece plug.

Packed, 1, weight, 5 lbs.....each, **$4.95**

ELECTRIC SEWING MACHINE MOTOR

"Jack Rabbit"

No bolts, clamps or screws necessary. The machine is driven by friction of rubber covered pulley on motor against hand wheel of machine.

Speed is regulated by foot pressure on self starter.

Polished nickel case, black enameled base. Cord and attachment plug.

Packed, 1, weight, 7 lbs.....each, **$18.50**

ALWAYS SPECIFY VOLTAGE IN ORDERING

ALBANY HARDWARE & IRON CO.

PORTABLE ELECTRIC HEATERS

No. B100 Polar Cub

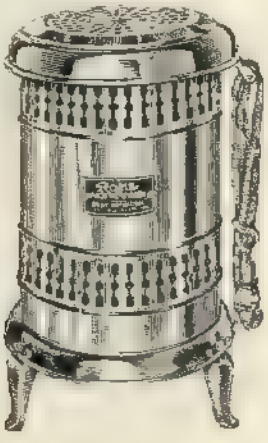
11 inch adjustable burnished, copper reflector. Iron base, back and base black enameled. Underwriter's cord and two piece plug Operates on 110 volts, A.C or D.C., 600 watts.

Packed, 6, weight, 35 lbs. . ..... each, **$2.95**

Homeyer

13 inch, 18 ounce copper reflector. Adjustable stand, 7 foot No. 16 asbestos covered black cord with two piece plug. 600 watts

Packed, 1, weight, 7 lbs ..... each **$5.00**



Rome

All copper body. Top, bottom and legs are nickel plated brass. Circulating air type. Carrying handle. 8 foot heater cord with two piece plug. 660 watt element

Height	Width	Packed	Weight	Each
18½ in.	13¾ in.	1	9 lbs.	**$10.00**

HEATER CORD SET

Six feet of asbestos heater cord with an attachment plug at one end and Universal heater plug at other end Electrically tested and guaranteed as to workmanship and material.

Packed, ⅛ doz., weight, ⅜ lb ..... per doz., **$12.00**

ELECTRIC HEATER ELEMENTS

Polar Cub

Nichrome wire element, screw type, will fit any Edison base heater.

Packed, 12, weight, 2¼ lbs. ..... each **$1.00**

Homeyer

Nine windings of Chromel "A" resistant wire on a porcelain tube.

Packed, 12, weight, 2½ lbs. ..... each, **$1.00**

Rome

Hollow air cooled core wound with finest grade of 'Chromel" wire Fits Edison sockets.

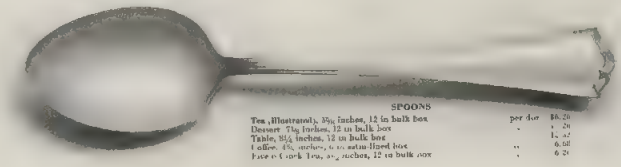
Packed, 6, weight, 1½ lbs ..... each, **$1.25**

ALWAYS SPECIFY VOLTAGE IN ORDERING

"R. WALLACE" SECTIONAL
Silver Plate

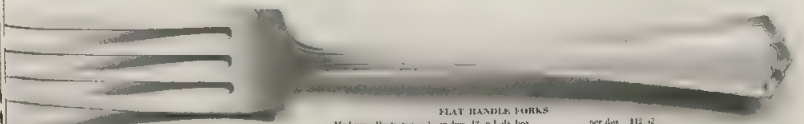
THE HUDSON

The Hudson is an "R. Wallace" Sectional pattern in which the beauty of the Colonial motif is enhanced by a touch of modernism. Here sturdiness is combined with slender grace, and its balance in the hand is as pleasing to the touch as the design is appealing to the eye. The Hudson has the bright finish.



SPOONS

Tea, (Illustrated), 5⅞ inches, 12 in bulk box	per doz	$6.24
Dessert, 7⅛ inches, 12 in bulk box	"	7.20
Table, 8¼ inches, 12 in bulk box	"	12.00
Coffee, 4⅝ inches, 6 in satin-lined box	"	6.60
Place or Cluck Tea, 5½ inches, 12 in bulk box	"	6.24

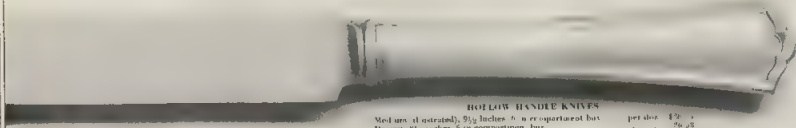


FLAT HANDLE FORKS

Medium (Illustrated), 7 inches, 12 in bulk box	per doz	$12.72
Dessert, 7⅛ inches, 12 in bulk box	"	7.20
Tea, 6¼ inches, 12 in bulk box	"	6.12

SOLID HANDLE FORKS

Medium, 12 dwt., 7⅝ inches, 6 in racked box	per case	$9.00
Dessert, 12 dwt., 7⅛ inches, 6 in racked box	"	9.00

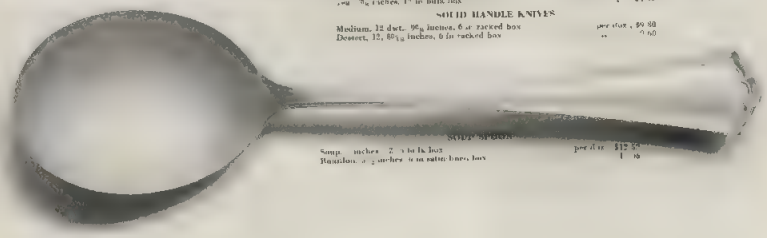


HOLLOW HANDLE KNIVES

Medium (Illustrated), 9½ inches, 6 in compartment box	per doz	$9.00
Dessert, 8⅛ inches, 6 in compartment box	"	6.48
Breakfast, 8¼ inches, 6 in compartment box	"	7.20
Steak, 9⅝ inches, 12 in bulk box	"	24.00

SOLID HANDLE KNIVES

Medium, 12 dwt., 9⅝ inches, 6 in racked box	per case	$9.00
Dessert, 12, 8⅝ inches, 6 in racked box	"	9.00



SOUP SPOON

Soup, 7½ inches, 12 in bulk box	per doz	$12.72
Bouillon, 6¼ inches, 6 in satin-lined box	"	7.20

Illustrations actual size

Gilding 25 per cent extra

"R. WALLACE" SECTIONAL Silver Plate

THE HUDSON

PIE SERVER, HOLLOW HANDLE
One in satin-lined box . . . . . each $4 50

BUTTER KNIFE
One in satin-lined box . . . . . each, $1 36
8352A One Butter Knife and one Sugar Spoon, in satin-lined box . . . . . per set, $2 50

BERRY OR SALAD SPOON
One in satin-lined box . . . . . each, $2 62
8352C One large Salad Fork and one large Salad Spoon, in satin-lined box . . . . . per set, $6 88

SUGAR SPOON
One in satin-lined box . . . . . each $1 [illegible]

OLIVE OR PICKLE FORK
One in satin-lined box . . . . . each, $1 06

BUTTER SPREADER
Six in satin-lined box . . . . . per doz., $10 68

OYSTER FORK
Six in satin-lined box . . . . . per doz., $6 76

LADLES
One in satin-lined box
Gravy, [illegible] inches . . . . . each, $2 [illegible]
Cream, [illegible] inches . . . . . [illegible]
Medium, [illegible] inches . . . . . [illegible]
Oyster, large, [illegible] inches . . . . . [illegible]

INFANT'S SPOON
One in satin-lined box . . . . . per doz., $11 04

INFANT'S FORK
One in satin-lined box . . . . . per doz., $11 04

CAKE [illegible]
One in satin-lined box
Large, ornamented, [illegible] inches . . . . . each $1 [illegible]
Small, [illegible] inches . . . . . [illegible]

SALAD FORK, INDIVIDUAL
Six in satin-lined box . . . . . per doz., $12 [illegible]

SUGAR TONGS
One in satin-lined box . . . . . each, $1 56

SALAD [illegible]
One [illegible] in satin-lined box . . . . . each $1 [illegible]

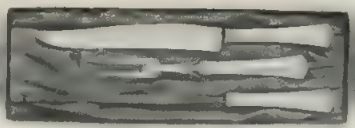
Twelve in bulk box . . . . . per doz. $8 56

Six in satin-lined box . . . . . per doz., $11 00

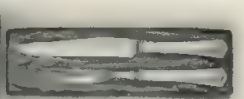
Illustrations one-half actual size

Gilding 25 per cent extra

8354 CARVERS SET, 3 PIECES, HOLLOW HANDLE KNIFE
Illustration one-fifth actual size
One set in satin-lined box . . . . per set, $3 76



8353E MEAT CARVING SET, 3 PIECES, HOLLOW HANDLES, WITHOUT CROSS GUARDS
Illustration one-fifth actual size
One set in satin-lined box . . . . . per set, $17 10



8332C — STEAK CARVING SET, 2 PIECES, HOLLOW HANDLES, WITHOUT CROSS GUARDS
Illustration one-fifth actual size
One set in satin-lined box . . . . per set, $7 50

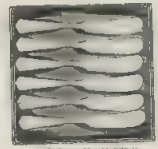
"R·WALLACE" SECTIONAL
Silver Plate

THE HUDSON

COMBINATIONS IN SATIN-LINED BOXES

Illustrations one-fifth actual size

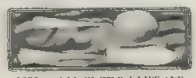
8356E SIX INDIVIDUAL SALAD FORKS
One set in satin-lined box
Per set, $4 26



8356F SIX BUTTER SPREADERS
One set in satin-lined box
Per set, $4 84

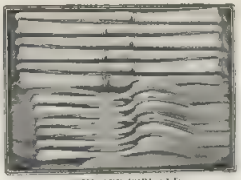
8356D SIX TEA SPOONS
One set in satin-lined box
Per set $4 34

8354R ONE BUTTER KNIFE, ONE SUGAR SPOON AND ONE CREAM LADLE
One set in satin-lined box per set $4 26



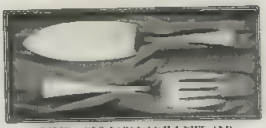
8352A ONE BUTTER KNIFE AND ONE SUGAR SPOON
One set in satin-lined box per set, $2 50

8352 BABY SET
2 PIECES
One set in satin-lined box per set



KNIFE AND FORK SETS
6 Hollow Handle Knives and 6 Flat Handle Forks
Medium glove satin lined box per set, $5 51
Dessert, satin lined box 18 /-
6 Steel Handle Knives and 6 Solid Handle Forks
Mission packed box per set $9 30
Dessert packed box 9 50

8352C ONE LARGE SALAD FORK AND ONE LARGE SALAD SPOON
One set in satin-lined box per set, $6.88

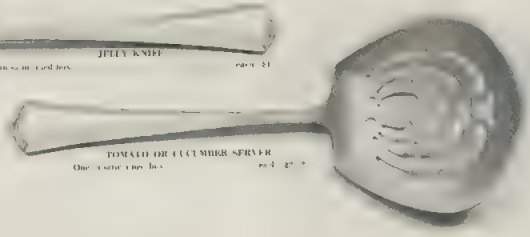


8353R ONE LARGE FISH KNIFE AND ONE LARGE FISH FORK
One set in satin-lined box per set $ 9 42

Illustrations below, three-fourths actual size

BRANCH OR GRAPE FRUIT SPOON
Six in satin-lined box per doz. $9 38

JELLY KNIFE
One in satin-lined box each $1



TOMATO OR CUCUMBER SERVER
One in satin-lined box each $2

AMBASSADOR PATTERN

Illustrations One-third Scale

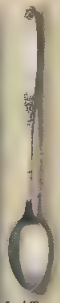
Fancy pieces in genuine velvet-lined Gift Boxes without extra charge

No. 624/84
Coffee Spoons
Set of six, $4.59

No. 604/84
Butter Knife and
Sugar Shell
Per set, $3.48

No. 608/84
Sugar Shell
Each, $1.63

No. 609/84
Butter Knife
bent handle
Each, $1.85



Iced Tea
Spoon
Per dozen
$13.36

No. 647/84
Orange or Grape Fruit
Spoons
Set of six, $5.84

No. 717/84
Salad Forks, individual
Set of six, $9.18

No. 680/84
Sugar Tongs
Each, $2.36

No. 727/84
Baby Spoon, bent handle
and Food Pusher
Per set, $2.50

No. 781/84
Ice Cream Forks
Set of six, $7.30

No. 747/84 Berry Spoon
Small, each, $3.23
No. 615/84 Berry Spoon
Large, each, $3.76

No. 596/84 Child's Set, 3 pieces
Embossed Solid Handle Knife
Per set, $3.48
No. 116/84 Child's Set, 3 pieces
Per set, $3.76
No. 593/84 Child's Set, 3 pieces
Nickel Silver, Silver Soldered
Hollow Handle Knife
Per set, $4.59

No. 666/84
Cold Meat Fork, small
Each, $1.98
No. 662/84
Cold Meat Fork, large
Each, $2.43

No. 652/84
Butter Spreaders
Set of six, $7.51

c 5-22

AMBASSADOR PATTERN

Illustrations One-third Scale

Fancy pieces in genuine velvet-lined Gift Boxes without extra charge

No. 621/84
Pie or Ice Cream Server, hollow handle
Each, $5.98

No. 622 84
Oyster Forks
Set of six, $6.05

No. 722/84
Pickle Fork, short
Each, $1 74

No. 611/84
Gravy Ladle
Each, $2.92

No. 610/84
Cream Ladle
Each, $2.23

No. 612/84
Oyster Ladle
Each, $6.68

No. 613/84
Medium Ladle
Each, $9.04

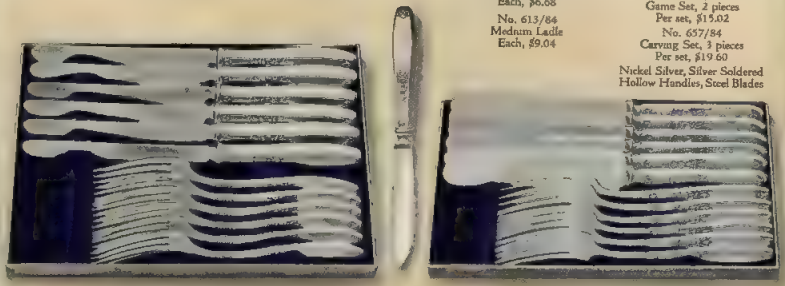
No. 733/84
Bird or Steak Set, 2 pieces
Per set, $9.18

No. 734/84
Bird or Steak Set, 3 pieces
Per set, $13.36

No. 658/84
Game Set, 2 pieces
Per set, $15.02

No. 657/84
Carving Set, 3 pieces
Per set, $19 60

Nickel Silver, Silver Soldered Hollow Handles, Steel Blades



No. 158½ Ambassador. Six each Hollow Handle Dinner Knives and Flat Handle Dinner Forks, per set, $23.58
With Stainless Blades, $24.82

No 159½ Ambassador Dessert, per set, $22.94
With Stainless Blades, $24.20

No. 165½ Ambassador. Six each Hollow Handle Breakfast Knives and Flat Handle Dinner Forks, per set, $23.58

No. 166½ Ambassador Six each Hollow Handle Breakfast Knives and Flat Handle Dessert Forks, per set, $23.16

No. 738/84
Fruit Knife, h. h.
Set of six, $14.39

No 814/84
Fruit Knives
hollow handles
stainless blades
Set of six, $15.75

No. 673/63
Fruit Knives
modeled handles
stainless blades
Set of six, $9.07

No. 154½ Ambassador. Six each No. 62 Dinner Knives and Forks, per set, $12.10

No. 157½ Ambassador. Dessert, per set, $11.68

No. 155½ Ambassador Six each No 62 Dinner Knives and Ambassador Flat Handle Dinner Forks, per set, $15.22

No. 156½ Ambassador. Dessert, per set, $13.98

No. 176½ Ambassador. Six each No. 63 Modeled Handle Dinner Knives and No. 62 Embossed Solid Handle Dinner Forks, per set, $13.56
With Stainless Blades, $17.10

No. 177½ Ambassador. Dessert, per set, $13.14

D

c-8-22

1847 ROGERS BROS.

CROMWELL PATTERN

Bright

A design that fills every requirement for a plain pattern. The grading of the metal makes each piece mechanically perfect

No. 53 Dessert Knife
Solid Handle

No. 53 Dessert Fork
Solid Handle

Soup Spoon

Tea Spoon

ILLUSTRATIONS
ACTUAL SIZE

Dessert Fork
Flat Handle

Dessert Knife
Hollow Handle

Six in Box, Prices per Dozen

Tea Spoons	$9.18	Soup Spoons	$18 36
Dessert Spoons	17.74	Dessert Forks, flat handles	17 74
Table Spoons	18.36	Dinner Forks, flat handles	18.36

Bouillon Spoons, six in blue velvet lined box . per set, $8.55

Hollow Handles, Nickel Silver, Silver Soldered, Six in Flannel Roll, Prices per Dozen

Dinner Knives	$28.78	Dessert Knives	$28.16	Dinner Forks	$28.78	Breakfast Knives	$28 58
With Stainless Blades	31.30	With Stainless Blades	30 66	Dessert Forks	28 16		

Solid Handles, Six in Racked Box, Prices per Dozen

Dinner Knives, No. 53, $12.10 Dessert Knives, No. 53, $11.68 Dinner Forks, No. 53 $12.10 Dessert Forks, No. 53 $11 68

With Stainless Blades, S.&S., 17 94

c-6-23

INTERNATIONAL SILVER CO.

1847 ROGERS BROS.

CROMWELL PATTERN

Bright

A design that fills every requirement for a plain pattern. The grading of the metal makes each piece mechanically perfect

Six in Box, Prices per Dozen

5+4860.	Tea Spoons	$ 9.13	5+4863.	Soup Spoons	$18.36
5+4861.	Dessert Spoons	17.74	5+4864.	Dessert Forks, flat handles	17.74
5+4862.	Table Spoons	18.36	5+4865.	Dinner Forks, flat handles	18.36
5+4866.	Bouillon Spoons, six in blue velvet lined box, per set	$6.55			

Hollow Handles, Nickel Silver, Silver Soldered, Six in Flannel Roll, Prices per Dozen

5+4867.	Dinner Knives, With Stainless Blades	$28.78	5+4869.	Dessert Knives, With Stainless Blades	$28.16
5+4868.		31.20	5+4870.		30.66
			5+4871.	Dinner Forks	$28.78
			5+4872.	Dessert Forks	28.16
			5+4873.	Breakfast Knives	28.59

Solid Handles, Six in Rocket Box, Prices per Dozen

5+4874.	Dinner Knives, With Stainless Blades	$12.10	5+4876.	Dessert Knives	$11.58
5+4875.		17.94	5+4877.	Dinner Forks	12.10
			5+4878.	Dessert Forks	$11.68

INTERNATIONAL SILVER CO.

CROMWELL PATTERN

Illustrations One-third Scale

5+4879
Orange or Grape Fruit Spoons
Set of six, $5.84

5+4887
Baby Spoon and Fork, short handle
Per set, $2.50

5+4889
Butter Spreaders
Set of six, $7.51

5+4880
Butter Knife bent handle
Each, $1.85

5+4881
Child's Set 2 pieces
Per set, $3.46

5+4882
Child's Set, 3 pieces
With Embossed Solid Handle Knife, per set, $3.76

5+4883 Child's set 3 pieces with Nickel Silver silver Soldered, Hollow Handle Knife
Per set, $4.59

5-4884
Sugar Shell
Each, $1.62

5+4885
Sugar Shell and Butter Knife
Per set, $3.48

5+4886 Berry Spoon
Each, $3.76

5+4888
Sugar Tongs
Each, $2.36

5 4890 Ice Cream Forks
Set of six, $7.30

5+4891 Ice Cream Spoons
Set of six, $5.84

5+4892
Iced Tea Spoon
Per dozen
$13.36

5+4893
Salad Forks Individual
Set of six, $9.18

5+4894
Coffee Spoons
Set of six, $4.59

CROMWELL PATTERN

Illustrations One-third Scale

5+4895
Bird or Steak Set,
2 pieces
Per set $9.18

5+4896
Bird or Steak Set,
3 pieces
Per set, $13.38

5+4897 Game Set,
3 pieces, per set, $15.02

5+4898 Carving Set
2 pieces, per set, $19.00

Nickel Silver, Silver Soldered, Hollow Handles. Steel Blades

5+4899
Gravy Ladle
Each, $3.92

5+4900
Cream Ladle
Each, $2.23

5+4901
Oyster Ladle
Each, $6.89

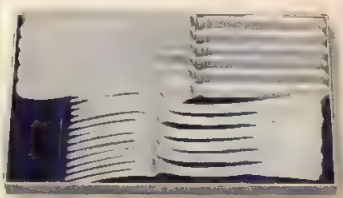
5+4902
Medium Ladle
Each, $9.04

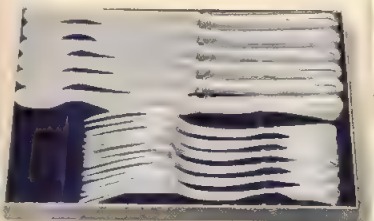
5+4903
Pickle Fork
long, or
Olive Fork
Each, $2.09

5+4904
Cold Meat Fork
Each, $2.43

5+4905
Oyster Forks
Set of six, $6.05

5+4906
Pie or Ice Cream
Server
hollow handle
Each, $8.98





5+4907 Cromwell. Six each No. 53 Dinner Knives and Cromwell Flat Handle Dinner Forks, per set, $15.22

5+4908 With Stainless Blades, $18.14

5+4909 Cromwell. Dessert, per set, $11.68

5+4910 Cromwell. Six each No. 53 Dinner Knives and Forks, per set, $13.56

5+4911 With Stainless Blades, $17.10

5+4912 Cromwell. Dessert, per set, $13.14

5+4913
Fruit Knife
solid handle
Set of six
$5.32

5+4914
Fruit Knife
hollow
handle
Set of six
$14.39

5+4915 Cromwell. Six each Hollow Handle Dinner Knives and Flat Handle Dinner Forks, per set, $23.68

5+4916 Cromwell. Dessert, per set, $22.94

HERALDIC PATTERN

Illustrations One-third Scale

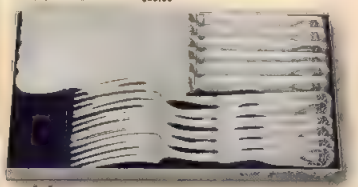
5+5012 Game Set, H H, 2 pieces, per set.....$15.02
5+5013 Bird or Steak Set, H H, 2 pieces, per set .$9.18
5+5014 Bird or Steak Set, H H, 3 pieces, per set. $13.36
5+5015 Carving Set, H H, 2 pieces, per set $19.60

5+5016 Gravy Ladle, each $2.92
5+5017 Cream Ladle, each $2.93
5+5018 Medium Ladle, each, $3.04

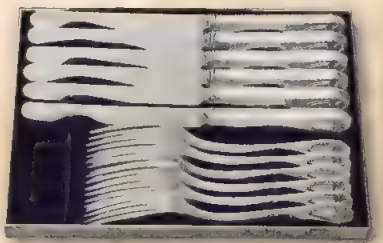
5+5019 Cold Meat Fork Each $2.43

5+5020 Oyster Forks Set of six, $6.06

5+5021 Pie or Ice Cream Server Hollow Handle Each, $5.98



5+5022 Heraldic. Six each No. 55 Dinner Knives and No. 55 Modeled Handle Dinner Forks, per set, $13.56
5+5023 Heraldic. Dessert, per set, $13.14
5+5024 Heraldic. Six each No. 55 Modeled Handle Dinner Knives and Heraldic Flat Handle Dinner Forks Per set, $16.68
5+5025 Heraldic. Dessert $15.44



5+5026 Heraldic. Six each Hollow Handle Dinner Knives and Flat Handle Dinner Forks, per set, $23.52
5+5027 Heraldic. Dessert, per set $22.54

NO. 12 ROUND END KNIVES AND FORKS

Solid Handle Bright or Satin

Sold in Packed Box, Prices per Dozen

5+5031 Dinner Forks... $10.84
5+5032 Dessert Forks .. $10.44
5+5033 Dinner Knives.. $10.84
5+5034 Dessert Knives .$10.44
5+5035 Six each No 12 Dinner Knives and Forks, per set, $10.84
5+5036 Dessert, per set $10.44

HERALDIC PATTERN

Illustrations One Third Size

5+4980 Salad Forks, individual, set of six, $9.18

5+5001 Baby Spoon, bent handle, and Food Pusher Per set, $3.80

5+5003 Cucumber or Tomato Server each $4.17

5+4997 Cheese Server hollow handle Each, $3.27

5+4998 Berry Spoon Each, $3.76

5+4999 Pickle Fork long or Olive Fork Each, $2.09

5+5000 Butter Spreader Set of six, $7.31

5+5002 Coffee Spoons set of six $4.69

5+5011 Orange or Grape Fruit Spoons, set of six $5.84

5+5004 Butter Knife and Sugar Shell, per set, $3.48

5+5005 Sugar Shell Each, $1.63

5+5006 Butter Knife, bent handle Each, $1.85

5+5007 Iced Tea Spoon Per dozen $13.36

5+5008 Child's Set 3 pieces each Nickel Silver Silver Soldered Hollow Handle Knife, per set 4.59

5+5009 Child's Set 3 pieces, with Embossed Solid Handle Knife, per set, $3.48

5+5010 Child's Set 2 pieces, per set, $3.78

HERALDIC PATTERN

Grey Finish

Every line suggests quality and distinction. The crest and hand-hammered effect recall the individual work of the early silversmiths

Dessert Knife Solid Handle

Dessert Fork Modeled Handle

Soup Spoon

Dessert Fork Flat Handle

Dessert Knife Hollow Handle

Six in Box, Prices per Dozen

5-4978	Tea Spoons	$ 9.18	5+4981	Soup Spoons		$16.36
5-4979	Dessert Spoons	17.74	5 4982	Dessert Fork, flat handles		17.74
5-4980	Ta le Spoons	15.26	5+4983	Dinner Forks, flat handles		18.36

Bouillon Spoons, six in blue velvet lined box, per set, $12.35

Hollow Handles, Nickel Silver, Silver Soldered, Six in Flannel Roll, Prices per Dozen

5—4984	Dinner Knives .	$20.78	5-4986	Dessert Knives..	$20.16	5+4988	Dinner Forks... $20.78
5+4985	With Stainless Blades	31.30	5+4987	With Stainless Blades	30.66	5+4989	Dessert Forks 20.16

Solid Handles—Six in Rocked Box, Prices per Dozen

5-4990	Dinner Knives	$12.10	5-4992	Dinner Knives	$12.10
5+4991	Dessert Knives	11.68	5+4993	Dessert Knives	11.68

1847 ROGERS BROS.

OLD COLONY PATTERN

French Grey, Bright Trimmed

Note the pierced handle and sterling effect of the design. Its popularity stamps it as one of the most remarkable patterns ever produced

Six in Box, Prices per Dozen

Tea Spoons	$9.18	Soup Spoons	$13.36
Dessert Spoons	17.74	Dessert Forks, flat handles	17.74
Table Spoons	18.36	Dinner Forks, flat handles	18.36
Bouillon Spoons, six in blue velvet lined box		per set,	$8.55

Hollow Handles, Nickel Silver, Silver Soldered, Six in Flannel Roll, Prices per Dozen

Dinner Knives	$28.78	Dessert Knives	$28.16	Dinner Forks	$28.78	Breakfast Knives	$28.58
With Stainless Blades	31.30	With Stainless Blades	30.66	Dessert Forks	28.16		

Solid Handles, Six in Racked Box, Prices per Dozen

Dinner Knives, No. 52 $12.10 Dessert Knives, No. 52 $11.68 Dinner Forks No 52 $12.10 Dessert Forks, No. 52 $11.68

OLD COLONY PATTERN

Illustrations One-third Scale

Fancy pieces in genuine velvet-lined Gift Boxes without extra charge

No. 769 78
Baby Spoon and Fork
short handle, per set, $2.50
No. 767/78 Baby Spoon
short handle, each, $1.25
No. 768/78 Baby Fork
short handle, each, $1.25

No. 624/78
Coffee Spoons
Set of six $4.59

No. 604 78
Butter Knife and Sugar Shell
Per set, $3.48
No. 608, 8 Sugar Shell
Each, $1.63
No. 609 78 Butter Knife
bent handle, each, $1.85

No. 681/78
Pickle Fork
Long, or Olive
Fork
Each, $2.09

No. 116/78
Child's Set, 3 pieces
Per set, $3.76
No. 596/78
Child's Set, 3 pieces
With Embossed Solid Handle
Knife, per set, $3.48
No. 593/78
Child's Set, 3 pieces
With Pickled Silver, Silver
Soldered, Hollow Handle Knife
Per set, $4.59

No. 647/78
Orange or Grape Fruit
Spoons, set of six, $5.84

No. 680 78
Sugar Tongs
Each, $2.36

No. 744/78 Ice Cream Spoons
Set of six, $5.84
No 781/78 Ice Cream Forks
Set of six, $7.30

No. 613/78
Berry Spoon
Each, $3.76

Iced Tea
Spoon
Per dozen
$13.36

No. 717/78
Salad Forks, individual
Set of six, $9.18

No. 652/78
Butter Spreaders
Set of six, $7.51

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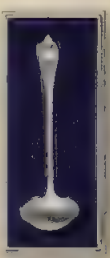
OLD COLONY PATTERN

Illustrations One-third Scale

Fancy pieces in genuine velvet-lined Gift Boxes without extra charge

No. 733/78
Bird or Steak Set, 2 pieces
Per set, $9.18
No. 734/78
Bird or Steak Set, 3 pieces
Per set, $13.36
No. 658/78
Game Set, 2 pieces
Per set, $15.02
No. 657/78
Carving Set, 3 pieces
Per set, $19.60
Nickel Silver, Silver Soldered
Hollow Handles, Steel Blades

No. 632/78
Oyster Forks
Set of six, $6.05



No. 760/78
Mayonnaise Ladle
Each, $1.95

No. 610/78
Cream Ladle
Each, $2.23

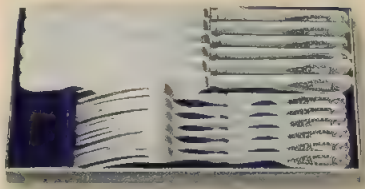
No. 611/78
Gravy Ladle
Each, $2.92

No. 612/78
Oyster Ladle
Each, $6.68

No. 613/78
Medium Ladle
Each, $9.04

No. 662/78
Cold Meat Fork
Each, $2.43

No. 621/78
Pie or Ice Cream
Server, hollow handle
Each, $5.98

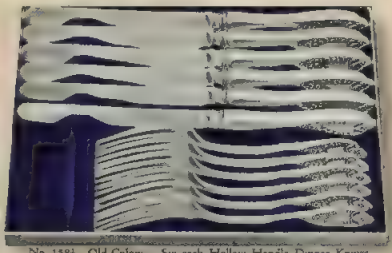


No. 154½ Old Colony. Six each No. 52 Dinner Knives and Forks, per set, $12.10

No. 157½ Old Colony. Dessert, per set, $11.68

No. 155½ Old Colony. Six each No. 52 Dinner Knives and Old Colony Flat Handle Dinner Forks, per set, $15.22

No. 156½ Old Colony. Dessert, per set, $13.98



No. 158½ Old Colony. Six each Hollow Handle Dinner Knives and Flat Handle Dinner Forks per set, $23.58
With Stainless Blades, $24.82

No. 159½ Old Colony. Dessert, per set, $22.94
With Stainless Blades, $24.20

No. 163½ Old Colony. Six each Hollow Handle Breakfast Knives and Flat Handle Dinner Forks, per set, $23.58

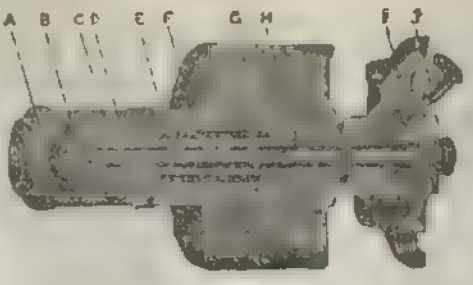
No. 166½ Old Colony. Six each Hollow Handle Breakfast Knives and Flat Handle Dessert Forks, per set, $23.16

FAN MOTORS

EMERSON

Emerson 1923 Model Desk Fans and Oscillators are packed one in a Box and are supplied by the Factory complete with Ten Foot Parallel Cord and Rotating Edison Plug, attached to Motor, with Direction Sheet, ¼ pint Can of Oil and Five Year Guarantee Coupon attached to Motor.

The Illustration Herewith is a Photograph of an actual Cross Section of the Emerson Induction Armature, Fan Hub and Shaft. This Bearing is Entirely Different in principle from the Bearings of Ordinary Types of Desk Fans. Instead of a Rotating Shaft of Soft Steel, to which the Armature is Pinned, the Shaft of the Emerson Fan is a Hollow Steel Spindle (F) Pressed Firmly into the Rear Housing of the Motor (I). The Armature (G) Rotates upon this Shaft and is Entirely Separate from the Shaft. A Stud (E) passes through this Shaft and Holds a Retaining Screw with Washers (B) at the Front end to keep the Armature in position.



The Construction of Wearing Surfaces of this Bearing has been proven by Experience to be Highly Satisfactory for a Bearing of this Character. The Hollow Shaft or Spindle is of Case Hardened Steel, while the Armature Hub Running on this Spindle is of Soft Cast Iron. It Seems that no Better Combination of Wearing Surfaces can be Procured.

The Soft Porous Iron Absorbs the Oil, and in a Short Time the action of the Hardened Steel Surface of the Shaft Develops a Glaze on the Iron which is an Ideal Bearing Surface. Tests made on Fans which have seen many years of Continuous Service show this Bearing to be in even Better Condition than when the Fans left the Factory.

In addition to the Armature Hub Midway Between the Bearing Surfaces is Recessed, leaving a Space between the Shaft and the Cast Iron Hub. This Recess is Filled with Lubricating Grease when the Fan Motor is Stored. Insuring Perfect Lubrication for Some considerable Time Even should the User Fail in the Ordinary Precaution of Supplying Oil to the Bearing.

One of the Secrets of the Success of this Bearing is the fact that it is Sealed at the Front End and Practically Sealed, so far as the Entrance of Dirt is Concerned, at the Rear End. Oil Remains on the Bearing Surfaces Until its Lubricating Qualities are Exhausted, and Dirt, Sand and Dust Floating in the Air Cannot Enter the Bearing to Cut and Grind it.

All Types and Sizes of Emerson Alternating Current Desk and Oscillating Fans are Equipped with the Hardened Steel Oil-Tight, Dust-Proof Bearing Described Above.

The Armature Hub (C) is threaded at the Front End to Receive the Fan Hub (A) which is Screwed on Firmly Against a Leather Washer which makes an Oil-Tight Joint Between the Solid Fan Hub and the Armature Hub. Thus, the Front end of this Bearing is Sealed Oil-tight, Eliminating any Possibility of Oil Reaching the Fan Blades to be Scattered Over Furnishings or Decorations.

The Simple and Wonderfully Effective arrangement for Lubricating this Bearing has been Largely Responsible for its Success During the Fifteen Years it has been in Use. Oil is Inserted through the Oil-Cup (J) and Runs into the Center of the Hollow Shaft, through the Slotted Holes (D-H) in the Shaft, Directly to the Bearing Surfaces of the Armature, where it is needed.

All Sizes of Emerson Desk and Oscillating Fans for Both Alternating and Direct Currents are Equipped with Fan Blades of a Patented Design Selected after Exhaustive Experiments with Blades of Different Characteristics. The Original Parker Design used on Emerson 12 inch Fans has been Successfully Modified to Meet the Requirements of 8 inch Fans and 16 inch Fans, but Retains the Essential Features which have Made this Design so Valuable.

The Parker Blade is a Rigid Sheet of Brass with a Curved Cutting Edge. The Rear Edge is so Shaped as to Minimize the Vibration which Results in the Hum of Ordinary Desk Fan Blades.

The Smallest Emerson Fan May be Converted to the Bracket Position without Extra Parts

Where Necessary this Blade is Made unusually wide near the Hub to Project Air from the Center as well as from the Outer Circumference of the Fan. The Pitch or Dip of Parker Fan Blades is Considerably Greater than Found in a majority of Competitive Makes, Enabling these Fans to Project Air to a Great Distance without Objectionable Noise.

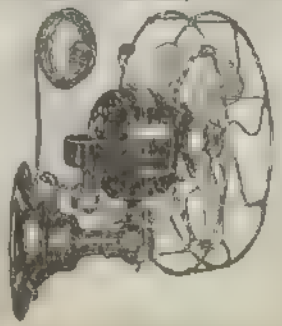
All Emerson Fans for Alternating Current are Fan Motors of the Induction Type. This is the Simplest Known Form of Motor and, in the Design Employed for Emerson Fan Motors, has Neither Brushes nor Commutator, nor Moving Contacts of any Kind.

Emerson 1923 Models Oscillators have valuable Improvements in the Mechanism, by which the Range of Oscillation may be varied from 15° to 90°, of the stationary position secured by adjusting a Single Thumb Lever below the Gear Case. The Mechanism has been greatly Simplified and all loose parts eliminated.

A new feature is the Adjusting Collar beneath the Motor, by which the direction in which the breeze is thrown may be instantly changed to put the breeze where it is wanted without re-adjusting the Base. This feature is particularly valuable where the Motor is installed as a Bracket Fan with Base fastened to the Wall. The Adjusting Handle in the Collar points in the direction in which the breeze will be thrown.

12 inch Oscillating Desk Fan

These Oscillators are Equipped with a Hinged Base Permitting the Blades to be Tilted Up or Deflected as may be Desirable. By Withdrawing the Thumb Screw at the Hinge, this base may be Adjusted to the Angular Position, and the Base Fastened Directly to the Wall. The Hinged Joint is so Designed that the Motor would not be Damaged by Falling Forward, Even Should the Thumb Screw be Fastened Insecurely. When Used as a Bracket Fan the Blades May be Tilted Up or Deflected as well as when Used as a Desk Fan, Permitting the Oscillators to be Placed Well Above the Occupants of a Room and Tilted Down to Distribute the Breeze over Many Persons, without Annoyance to those Nearest to the Fan.



12 inch D. C. Oscillating Fan in Bracket Position
(Blades may be Deflected to Throw Breeze Down when Mounted on Wall)

Owing to the Wide Diffusion of Air Secured with Oscillating Fans, the Blades of Emerson Oscillators are Adjusted to Throw a Stronger Breeze than Thrown by Non-Oscillating Fans of Corresponding Styles. As a Result, Emerson Oscillating Fans Consume a slightly Larger Amount of Current than Corresponding Sizes of Emerson Swivel-Trunnion Fans, but for any Extra Current Required by the Motor the User Receives Full Value in Increased Volume of Air Delivered.

All Emerson Oscillating Fans are Three-Speed Positive-Acting Geared Types, not Dependent on air Reactions for their Swinging Movement. As a Result these Fans Oscillate Steadily in any Position as Desk or Bracket Fans.

Emerson Oscillators have all the Other Valuable Features of Emerson Swivel-Trunnion Fans, Described on Previous Pages. They are Induction Fans without Brushes, Commutator or moving contacts of any kind. Motors of this kind, Equipped with the Oil-Tight, Dust-proof Bearing of the Emerson Fan, are sure to give long Service.

These Fans Should not be Confused with Oscillators Depending on Moving Vanes and Uncertain Air Reactions for their Swinging Movement.

ELECTRIC FANS

EMERSON

NON - OSCILLATING — SWIVEL TRUNNION — DESK OR BRACKET — THREE SPEED

For Alternating and Direct Currents

Specifications

Parker (Patented); Brass; Four Blades. Heavy Steel Guards; Black Enameled.

Motor and Base Finished in Black Enamel.

Three Speed Induction Motors, no Brushes or Moving Contacts.

Dust Proof Bearings; Convertible Desk Bracket Base; Complete with Cord and Separable Plug.

This Nine inch Fan Will be Found to be Very Popular on Account of its Quietness, Light Weight and Low Price; Very Satisfactory for Small Room but Will Not Move Nearly as Much Air as the 12 inch Size.

Diameter, 9 inches; 4 Blades; 110 Volts; 60 Cycles; Approximate Weight Each, Net, 12 lbs.; Weight, Packed, 23 lbs.

No. 28045—For Alternating Current

Lots of..	1 to 9	10 to 24	25 to 99	100 to 199	200 or More
Each...	$18 80	18 80	18 80	18 80	18 80
	28.60	**27.10**	**26.40**	**25.70**	**25 05**

No. 26045—For Direct Current

Lots of..	1 to 9	10 to 24	25 to 99	100 to 199	200 or More
Each...	$17 60	17 60	17 60	17 60	17 60
	26 75	**25 35**	**24.70**	**24.10**	**23.45**

EMERSON

NON-OSCILLATING

This 12 inch 4 Blade Style Has Always Been the Most Popular for General Service in Stores, Offices, and Wherever a Strong Breeze is Wanted. The Consumption of Current is Low in Proportion to the Strength of Breeze.

Diameter 12 inches; 4 Blades; 110 Volts, 60 Cycles. Approximate Weight Each, Net, 20 lbs.; Weight, Packed, 37 lbs.

No. 28046 Alternating Current

Lots of..	1 to 9	10 to 24	25 to 99	100 to 199	200 or More
Each..	$24.40	24 40	24 40	24 40	24 40
	37.10	**35.15**	**34.25**	**33 40**	**32.50**

No. 26046 For Direct Current

Lots of.	1 to 9	10 to 24	25 to 99	100 to 199	200 or More
Each	$23 80	23.80	23.80	23.80	23 80
	36 20	**34.30**	**33 40**	**32.55**	**31.70**

No. 326046 Direct Current; 32 Volts

Lots of....	1 to 9	10 to 24	25 to 99	100 to 199	200 or More
Each.....	$23.80	23.80	23 80	23 80	23 80
	36.20	**34.30**	**33 40**	**32.55**	**31.70**

No. 226046—For Direct Current; 220 Volts

Lots of	1 to 9	10 to 24	25 to 99	100 to 199	200 or More
Each..	$26 40	26 40	26 40	26.40	26 40
	40.15	**38.00**	**37.10**	**36.10**	**35.20**

ELECTRIC FANS

EMERSON

NON - OSCILLATING — SWIVEL TRUNNION — DESK OR BRACKET — THREE SPEED

For Alternating and Direct Currents

Specifications

Emerson 16 inch Fans are Equipped With Very Powerful Motors, and are Intended for Service in the Largest Rooms, Stores, Etc., Where a Strong Breeze is to be Projected to a Great Distance. Fans of the 16 inch Size Should not be Selected for Residences, Banks or for Service in Any Place Where the Noise of a Powerful Fan Will Prove Objectionable.

Although the Most Powerful Motors Supplied for Desk Fan Purposes, These Motors are Capable of Operating Continuously.

Diameter, 16 inches; 4 Blades, Approximate Weight Each, Net, 21 lbs.; Weight Packed, 40 lbs.

No. 28048—For Alternating Current; 110 Volts; 60 Cycles

Lots of.....	1 to 9	10 to 24	25 to 99	100 to 199	200 or More
Each.....	$28.60	28.60	28.60	28.60	28.60
	43.60	**41.20**	**40.15**	**39.15**	**38.10**

No. 26048—For Direct Current; 110 Volts

Lots of	1 to 9	10 to 24	25 to 99	100 to 199	200 or More
Each ..	$28 20	28.20	28.20	28 20	28.20
	42.90	**40.60**	**39.60**	**38.60**	**37.60**

EMERSON

OSCILLATING — DESK OR BRACKET — THREE SPEED

For Alternating and Direct Currents

Specifications

Single Lever Adjustable Oscillating Mechanism.

Parker (Patented); Brass; Four Blades; Heavy Steel Guards; Black Enameled.

Motor and Base Finished in Black Enamel.

Three Speed Induction Motors, No Brushes or Moving Contacts.

Dust Proof Bearings; Convertible Desk Bracket Base; Complete with 10 foot Cord and Separable Plug.

This New 9 inch Size Provides a Light and Portable Oscillating Fan for Home Use at a Price Within the Reach of Practically Every User of Current.

Made of the Highest Quality Material.

Diameter, 9 inches; 4 Blades; 110 Volts; 60 Cycles; Approximate Weight Each, Net, 13 lbs.; Weight, Packed, 24 lbs.

No. 29045—Alternating Current

Lots of..	1 to 9	10 to 24	25 to 99	100 to 199	200 or More
Each	$24.00	24 00	24 00	24.00	24 00
	36 50	**34 55**	**33 70**	**32 85**	**32.00**

No. 27045—Direct Current

Lots of	1 to 9	10 to 24	25 to 99	100 to 199	200 or More
Each	$23 60	23 60	23 60	23 60	23 60
	35 90	**34 00**	**33.15**	**32 30**	**31.45**

One Fan in a Wood Box

Note—110 Volt Fans Listed Operate on Voltages 104 to 115

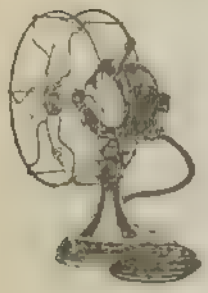
Note—10 Foot Cord and Plug Included in Price

ELECTRIC FANS

EMERSON

OSCILLATING — DESK OR BRACKET — THREE SPEED

For Alternating and Direct Currents



Specifications

This 12 inch Oscillating Fan is the Standard Medium Speed Fan for Office and Store Throwing a Maximum Breeze for the Size Blades; Will Prove to be a Most Popular Seller.

Diameter 12 inches; 4 Blades; Approximate Weight, Each, Net, 21 lbs.; Weight, Packed, 39 lbs.

No. 29648—Alternating Current 110 Volts; 60 Cycles

Lots of Each	1 to 9	10 to 24	25 to 99	100 to 199	200 or More
	$31 40	31 40	31 40	31 40	31.40
	47.75	**45.20**	**44.10**	**42.95**	**41.85**

No. 27048—Direct Current; 110 Volts

Lots of Each	1 to 9	10 to 24	25 to 99	100 to 199	200 or More
	$31 20	31 20	31 20	31 20	31 20
	47 45	**44 95**	**43 80**	**42 70**	**41 55**

No 229648—Alternating Current; 220 Volts, 60 Cycles

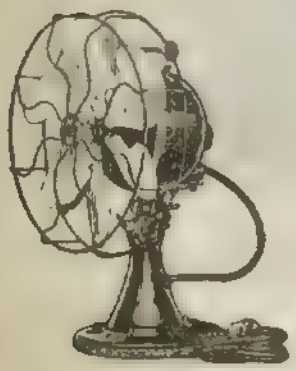
Lots of Each	1 to 9	10 to 24	25 to 99	100 to 199	200 or More
	$33 60	33 60	33 60	33 60	33 60
	51 10	**48.40**	**47.20**	**46.00**	**44 75**

No. 327048—Direct Current; 32 Volts

Lots of Each	1 to 9	10 to 24	25 to 99	100 to 199	200 or More
	$31 20	31 20	31 20	31 20	31 20
	47 45	**44.95**	**43 80**	**42 70**	**41 55**

No. 227048—Direct Current; [illegible]

Lots of Each	1 to 9	10 to 24	25 to 99	100 to 199	200 or More
	$33 80	33 80	33 80	33 80	33. 80
	51 40	**48.70**	**47.45**	**46.25**	**45.05**



12 Inch Residence Type

This 12 inch, 6-Blade Oscillator is Undoubtedly the Finest Fan for Home Use.

Moves More Air than Any Other 12 inch Fan Made.

Exceptionally Quiet on All Speeds.

Diameter, 12 inches; 6 Blades; Approximate Weight, Each, 28 lbs.; Weight Packed, 45 lbs.

No. 29668—Alternating Current; 110 Volts; 60 Cycles

Lots of Each	1 to 9	10 to 24	25 to 99	100 to 199	200 or More
	$33 60	33 60	33 60	33 60	33 60
	51.00	**48.40**	**47.20**	**46.00**	**44.75**

No. 27268—Alternating Current; 110 Volts; 25 Cycles.

Lots of Each	1 to 9	10 to 24	25 to 99	100 to 199	200 or More
	$[illegible]	32 40	[illegible]	[illegible]	[illegible]
	49 25	**46 65**	**45 50**	**44 35**	**43 15**

ELECTRIC FANS

EMERSON

OSCILLATING — DESK OR BRACKET — THREE SPEED

For Alternating and Direct Currents

Specifications

This 16 inch, 4-Blade Fan Will be Found Invaluable for Theatre Use, Hotel Lobbies, Buffets, Markets, Large Stores, Etc.

Large Powerful Motor Projects Breeze to a Great Distance. Diameter 16 inches; 4 Blades; Approximate Net Weight, Each, 23 lbs.; Weight, Packed, 45 lbs.

No. 29648—Alternating Current 110 Volts; 60 Cycles

Lots of Each	1 to 9	10 to 24	25 to 99	100 to 199	200 or More
	$36 00	36.00	36 00	36 00	36 00
	54.70	**51.85**	**50.55**	**49.25**	**47.95**

No. 27048—Direct Current 110 Volts

Lots of Each	1 to 9	10 to 24	25 to 99	100 to 199	200 or More
	$34.80	34 80	34 80	34 80	34 80
	52 90	**50 10**	**48 90**	**47.60**	**46.35**

No. 229648—Alternating Current 220 Volts; 60 Cycles

Lots of Each	1 to 9	10 to 24	25 to 99	100 to 199	200 or More
	$38 20	38.20	38 20	38 20	38 20
	58 10	**55 00**	**53 .5**	**52 25**	**50 90**

No. 327048—Direct Current; 32 Volts

Lots of Each	1 to 9	10 to 24	25 to 99	100 to 199	200 or More
	$34 80	34 80	34 80	34 80	34 80
	52.90	**50 10**	**48.85**	**47.60**	**46.35**

No. 227048—Direct Current; 220 Volts

Lots of Each	1 to 9	10 to 24	25 to 99	100 to 199	200 or More
	$37.40	37 40	37 40	37 40	37 40
	56.85	**53 85**	**52 50**	**51 20**	**49 80**

No. 27248 -Alternating Current; 110 Volts; 25 Cycles.

Lots of Each	1 to 9	10 to 24	25 to 99	100 to 199	200 or More
	$37.00	37 00	37.00	37 00	37 00
	56 25	**53.30**	**51.95**	**50.60**	**49 30**

This 16 inch, 6 Blade Fan Will be Found Invaluable for Theatre Use, Hotel Lobbies, Buffets, Markets, Large Stores, Etc.

Large Powerful Motor Projects Breeze to a Great Distance. Diameter, 16 inches; 6 Blades; Approximate Net Weight, Each 31 lbs.; Weight, Packed, 55 lbs.

No. 29668—Alternating Current; 110 Volts, 60 Cycles

Lots of Each	1 to 9	10 to 24	25 to 99	100 to 199	200 or More
	$[illegible]	[illegible]	[illegible]	38 20	38 20
	58 10	**55 00**	**53.65**	**52 25**	**50 90**

One Fan in a Wood Box

Note—110 Volt Fans Listed Operate on Voltages 104 to 115

Note—10 Foot Cord and Plug Included in Price

SPARK PLUGS

AC TWO-PIECE

7/8-INCH AC TWO-PIECE

No.	Wt. each	
78ACTP	3½ ozs.	$1.25
Extra Porcelain with bushing	1 oz.	.75

One in a box; ten in a carton.

Porcelains—One in a box; twenty-five in a carton.

7/8-INCH LONG AC TWO-PIECE

No.	Wt. each	Each
78LACTP	4 ozs.	$1.25
Extra Porcelain with bushing	1 oz.	.75

One in a box; ten in a carton.

Porcelains—One in a box; twenty-five in a carton.

AC SPARK PLUG STOCK CABINETS

LARGE SIZE

On all orders for 140 plugs or more this cabinet will be given free of charge on request.

It stays on the job all the time, increasing your spark plug sales, due to its prominent location and convenient arrangement of stock.

It takes up little counter space, yet it places every size and type of spark plug right at your finger tips.

It has a separate section for every type of plug, and each plug is visible. There is mounted in the case a chart showing the correct plug for every type of motor.

This chart gives immediate, accurate information on the type of spark plug required by any motor. Special spark plug knowledge is not required.

When a customer asks for plugs for certain motor, consult the chart and find the correct plug at a glance. It may be locked to prevent loss or theft.

Capacity, plugs	140
Width, inch	14½
Height, inch	18
Weight each, lbs	14

One in a carton.

JUNIOR SIZE

Given free of charge on all orders for 50 or more AC Spark Plugs.

Capacity, plugs	50
Width, inch	10¾
Height, inch	11½
Weight each, lbs	9

One in a carton.

SPARK PLUGS

AC TITAN CARBON PROOF

⅞-INCH EXTRA LONG BODY TITAN

No.	Wt. each	Each
78XLBT	5½ ozs.	$1.00

One in a box; ten in a carton.

REG. METRIC TITAN

No.	Wt. each	Each
18MT	3½ ozs.	$1.00

One in a box; ten in a carton.

SHORT METRIC TITAN

No.	Wt. each	Each
18SMT	3½ ozs.	$1.00

One in a box; ten in a carton.

SAE REGULAR TITAN

No.	Wt. each	Each
SAET	3½ ozs.	$1.00

One in a box; ten in a carton.

SAE LONG TITAN

No	Wt. each	Each
SAELT	3½ ozs.	$1.00

One in a box; ten in a carton.

SAE EXTRA LONG TITAN

No.	Wt. each	Each
SAENT	3½ ozs.	$1.00

One in a box; ten in a carton.

SPARK PLUGS

AC TWO-PIECE

AC 1075 FOR FORDS, TRUCKS AND TRACTORS

½-Inch Regular Size Only

Spring terminal clip permits wire to be instantly detached and re-connected while motor is running. Facilitates testing spark plug and coil. No nut to be unscrewed or lost.

Patented carbon proof porcelain. Saw tooth edges attain sufficient heat to burn oil deposits, thus offering effective resistance to carbon.

New electrode design forms a natural drain so that no oil can lodge in spark gap.

No.	Wt. each	Each
1075	3½ ozs.	$0.75

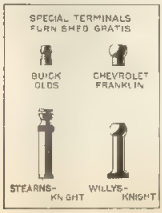
One in a box; ten in a carton.

PORCELAIN AND GASKET

For AC1075

No.	Wt. each	Each
AC1075P	1 oz.	$0 35

One in a box; twenty-five in a carton



1/2-INCH AC TWO-PIECE

No.	Wt. each	Each
12ACTP	3½ ozs.	$1.25
Extra Porcelain with bushing	1 oz.	75

One in a box, ten in a carton

Porcelains—One in a box; twenty-five in a carton.

1/2-INCH LONG AC TWO-PIECE

No.	Wt. each	Each
12LATCP	4 oz.	$1 25
Extra Porcelains, with bushing	1 oz.	.75

One in a box; ten in a carton.

Porcelains—One in a box; twenty-five in a carton.

ALVIN
THE LONG LIFE SILVER PLATE

MOLLY STARK
PLATINUM FINISH

THE following illustrations show our "Long Life" Quality Plate which will satisfy the most particular customer. It is produced with the same care, skill and attention to details as sterling silver. Each piece is heavily plated with a uniform weight and thickness of pure silver to resist the hardest wear and insure the longest life.

	Six packed in	lined box	per dozen
5 o Clock Tea,	" " " " "		$9 18 " "
Tea	" " " " "		8 18 " "
Dessert,	" " " " "		17 76 " "
Table,	" " " " "		18 36 " "
Soup	" " " " "		18 36 " "
Dessert Fork Small	" " " " "		15 76 " "
Dessert Pork	" " " " "		17 76 " "
Table Fork	" " " " "		18 36 " "
Dessert Knife HH Small	" " " box	Silver blades	29 02 " "
Dessert Knife HH,	" " " " "		30 66 " "
Table Knife HH	" " " " "		31 29 " "
Medium Knife Solid H	" " " " "		17 54 " "

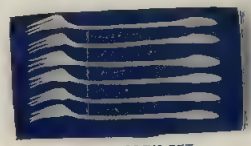
ALVIN PATENT

ALVIN
THE LONG LIFE SILVER PLATE

MOLLY STARK
PLATINUM FINISH

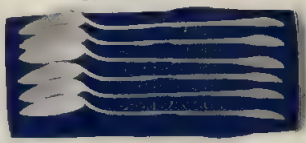
INDIVIDUAL SALAD FORK SET
Per set $9.16

FIVE O'CLOCK TEAS
Six in cabinet box $4.59
Six in lined box 3.49



OYSTER FORK SET
Per set $6.05

BOUILLON SPOON SET
Per set $8.56



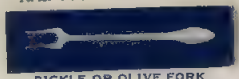
SIX ICED TEA SPOONS
Per set $6.68

SUGAR SHELL
Each $1.64

ORANGE OR GRAPEFRUIT SPOON SET
Per set $5.84

BUTTER SPREADER SET
Per set $7.50

BUTTER KNIFE
Each $1.85



PICKLE OR OLIVE FORK
Each $1.74

CREAM LADLE
Cream Ladle, each . . . $2.23
Gravy Ladle, each, ... 2.92

JELLY SERVER
Each $2.10

BERRY SPOON
Each $3.76

BUTTER KNIFE AND SUGAR SHELL
Per set $3.48

SIX COFFEE SPOONS
Per set $4.59

COLD MEAT FORK
Each $2.44

SHORT HANDLE BABY SET
Spoon and Fork Set . . . $2.30

SUGAR TONGS
Each $2.57

3 PIECE CHILD'S SET
Hollow Handle Knife, Fork & Spoon . . . $4.42

BABY SPOON
Each $1.38

ALVIN PATENT

ALVIN

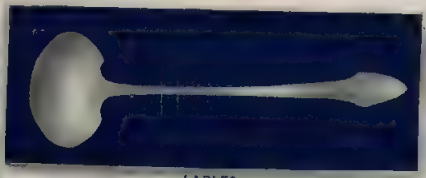
THE LONG LIFE SILVER PLATE

MOLLY STARK

PLATINUM FINISH

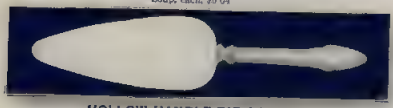
KNIFE AND FORK SET

Dessert, small, HH Knives, per set $22.08
Dessert, HH Knives, per set 24.84
Table, HH Knives, per set 25.44
Medium, Solid Handle Knives, Dessert Forks, per set 18.44



LADLES

Cream, each $2.76 Soup, each, $9.04 Gravy, each, $2.02



HOLLOW HANDLE PIE SERVER

Each $5.28

HOLLOW HANDLE ICE CREAM KNIFE

Each $7.95

SIX HOLLOW HANDLE FRUIT KNIVES

Per set $13.40

BREAD KNIFE

Hollow Handle, each, $5.14

STEAK SET

8 pieces (Illustrated), per set $13.78
Knife Blade 5¾ inches

2 pieces, per set, $0.18
Knife Blade 5¾ inches

SIX HOLLOW HANDLE ORANGE KNIVES

Per set $14.39

CARVING SET

2 Piece Carving Set, Knife Blade 9 inches, per set $13.08
3 Piece Carving Set, Knife Blade 9 inches, per set 19.60
5 Piece Carving Set, Large Knife Blade 9 inches, Small Knife Blade 7½ inches, per set 32.92
2 Piece Game Set, Knife Blade 7¼ inches, per set 13.08

CHEESE SERVER

Hollow Handle, each, $2.44

ALVIN PATENT

ARMY & NAVY GOODS

Bargains! Bargains!! Sacrifice Prices!!! These army and navy goods offered at a fraction of their real value!

MEN'S WORSTED SLIP-OVER SWEATER

1A2197 — Fine quality all worsted yarns shaped neck and armholes, firm rest bottom, olive drab only. To produce this sweater on today's market would cost $18.00 per dozen. Solid sizes 36 to 44 SPECIFY SIZES. In box ½ doz. Doz. **$10.50**

MEN'S DOUBLE BACK RAINCOAT

1A910—TAN, double texture rubberized cloth, ave. 46 in. long, double back, convertible collar with peak to wear strapped and cemented, regulation snap buckle fasteners, snap fastener makes adjustable cuff. Made from Government specifications. Sizes 36 to 46. SPECIFY SIZES Each **$3.75**

KHAKI TWILL RIDING BREECHES

8D2745—320 wt. khaki twill, material purchased from the Government and made according to the Service Breeches specifications of our own, regular model, turn-down shank reinforced knee and seat, 5 pockets with 2 watch and packet, lined leg part with cotton drill, 2" waist. SPECIFY SIZES. Sold in any quantity Doz. **$24.00**

MARINES' SUITS Regulation Blouse and Laced Breeches

Marines' forest green, good wt. Melton cloth. Blouse jacket, 4 pockets, button flap, 1 inside breast pocket, lined throughout. Breeches, 2 pockets, belt loops, laced bottoms, strong drill waistband and pocket lining. Be sure to SPECIFY SIZES.

1A918—Coat, sizes 36 to 48 Each **$1.95**

1A919—Breeches, sizes 32 to 40 Each **3.25**

1A920 Suit consisting of coat and breeches Set **5.20**

GENUINE LEATHER JERKIN New First Quality Selected Stock

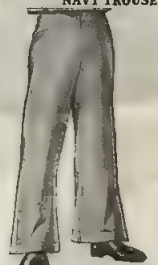
1A825—Genuine leather jerkin, without sleeves, all wool blanket lining. Made under Government specifications and regulations. An ideal garment for sports and work wear. SPECIFY SIZES Each **$3.15**

Lots of 15. **2.85**

MEN'S KNIT SPORT COAT

1A2128 OLIVE DRAB Government puttee cloth, coat is knit, all wool, 5 button front, all over pockets with bottom flaps, all fully lined throughout. This is a very warm coat, for the Government for police, signal pattern. Wt. 3 and 4 lb. Sizes 36 to 46. Each **$2.50**

WHITE DRILL REGULATION NAVY TROUSERS



1A955—Heavy weight Government standard white drill, laced back, 4 pockets, flap pocket, drawstring. Sizes 24 to 44. SPECIFY SIZES Doz. **$12.00**

MEN'S FULL LENGTH TROUSERS

8D2727—OLIVE DRAB, mittens and serges, full length, 5 heavy drill pockets, 7 belt loops, suspender plate stayed. Can be sold cheaper than the ordinary cadet or cassimere trousers. Assrt. sizes 32, 34, 36 and 40 waists. 1 doz. per pkg. Doz. **$24.00**

REGULATION ARMY JACKET

1A905 Olive drab all wool melton and serge regulation army jacket, 4 pocket flap patch pockets, U. S. regulation buttons. Sizes 36 to 42 SPECIFY SIZES

Each. **$1.80**

Lots of 10. **1.65**

(Total Price)

Note. Asst. of 10 consists of the following: sizes 1 size 36, one 38, one 40, three 38 & three 40 & one 42.

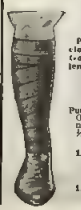
HEAVY KHAKI DRILL BAND OVERALLS

8D2746 Heavy khaki drill double stitched, 10 oz., new full skirt, shaping tapped top with strong stapled bell loops, 2 large front pockets, 2 good size hip pockets, full fly with bib strap, covering fly front. Sizes 36 to 46 only. 1 doz. per pkg. Doz. **$10.50**

LEGGINGS

1A926 Regulation Government spliced duck, canvas bottom straps, patched hooks and grommets on each pair. Here is an opportunity to secure one of the best leggins on the market at half the price of Army quartermaster goods. Asstd. sizes 1-2, 3-3, and 4-4. 1 doz. per pkg. Doz. **$4.00**

PURE WORSTED SPIRAL PUTTEES



Pure worsted Government cloth puttees. Note the Government standard length on the men's sizes.

Pure worsted 3 in. wide, OLIVE DRAB Government cloth spiral puttees. ½ doz. prs. in pkg.

1A926—BOYS', 90 in. long Doz. prs. **$5.80**

1A917 — MEN'S, 108 in. long Doz. prs. **$6.60**

ARMY & NAVY GOODS

Bargains! Bargains!! Sacrifice Prices!!! These army and navy goods offered at a fraction of their real value!

FLANNEL SHIRT BARGAIN

A two pocket shirt with double elbow, chest lining, etc. Exceptionally big value.

8D8347—Light weight wool serge material Government materials used but shirts are newly made and uniformly sized Are not to be confused with faded Government shirts in the market. Made by one of our regular flannel shirt makers. Large flap pockets, double elbow, chest lining, lined collar and [illegible] SIZES [illegible] box $38.50

U. S. Army Surplus Work Shoe

NOTE: These shoes were bought from the Government and on their size scale which runs approximately as follows on 24 pr. lots: one pr 7, one 7½, two 8½, four 9, four 9½, four 10, four 10½, two 11, two 11½, the orders for less than 24 prs. we will furnish best assortment we can about basis. Some small sizes are light tanned marching shoes with light soles.

GK7005—Heavy duty, solid leather throughout unlined, grain uppers, smooth surface inside for foot comfort heavy studded, half bellows tongue, solid brass eyelets a fine grain leather soles run [illegible] through to back of heel, grain leather inside, sewed and pegged

Pr $2.45 Lots of 24 prs., Pr $2.10

OFFICERS' KHAKI SHIRT

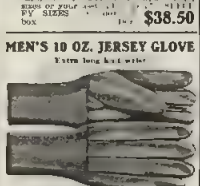
Can be worn with white laundered or soft collars.

8D2340—Khaki shirtings, twills and heavy percales, unlaundered neck band, full reinforced yoke, continuous sleeve facing and round corner cuffs, coat style, vegetable pearl buttons. Made for officers' use, of high count material in large dimensions. If procured from civilian sources would have to sell at $10.00 Sizes 15 and 16½ only. SPECIFY SIZES. 1 doz. in bdl

Doz. $8.50

MEN'S 10 OZ. JERSEY GLOVE

Extra long knit wrist



7D7128W—Extra long wrist, 10 oz., fine gauge jersey knit, heavy indigo fleecing, 3 seam back, 5 in double knit wrist olive drab color only. 1 doz. in bdl.

Doz $1.65

LEATHER FACED DRILL ONE FINGER MITTEN

7D500—Yellow split palm and [illegible] thumb, heavy khaki drill back and cuff with adjustable back strap. If manufactured on today's market would have to retail for 50c a pair. Asstd sizes. 1 doz. in bdl.

Doz $2.00

ONE FINGER UNLINED LEATHER MITTEN

7D564—No. 1 full grain yellow horsehide palm thumb and full forefinger unlined, self wrist pad, split back and gauntlet with adjustable back [illegible] Asstd sizes. 1 doz in bdl.

Doz $5.25

HORSEHIDE WORK GLOVE

7D8237—No. 1 full grain khaki horsehide palm, thumb and full forefinger 9 fourchette pattern, matched split back band ion snap fastener Government inwelted Manufacturing cost on today's market is over $3.00 per dozen Asstd sizes 9, 10 and 11. 1 doz in bdl.

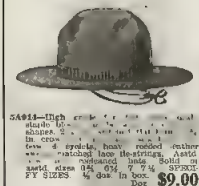
Doz $6.25

ARMY WORK HAT

8A950—Asstd. OLIVE DRAB, KHAKI and BLUE denim 6-4 crown crusher style stitched brim heavy sweat band, with [illegible] sweatband inside. Asstd sizes 6⅝ to 7⅞. 1 doz. in bdl.

Doz 84c

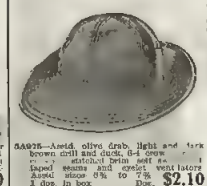
ARMY FELT HAT



8A914—High [illegible] shapes [illegible] in crow [illegible] four 4 eyelets, band welded leather [illegible] matched lace tie-strings. Asstd [illegible] sweatband inside. Solid in asstd sizes 6⅝ 6¾ 7 7⅛ 7¼ 7⅜ 7½ FY SIZES ¼ doz. in box.

Doz $9.00

MEN'S CLOTH HAT



8A925—Asstd. olive drab, light and dark brown drill and duck, 6-4 crown [illegible] stitched brim set [illegible] taped seams and eyelet vent holes Asstd sizes 6⅝ to 7⅞

Doz $2.10

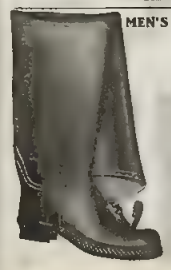
MEN'S KHAKI CAP

Made from U. S. Army regulation khaki. Just look at this price!

8A7985—Olive drab U. S. Army khaki, full cut 1 pc. 8 panel style [illegible] button front, canvas interlined [illegible] good leather sweat. Price is 25% below similar quality [illegible] size 6¾ to 7⅞ ½ doz. in box

Doz. $4.25

MEN'S RUBBER HIP BOOT

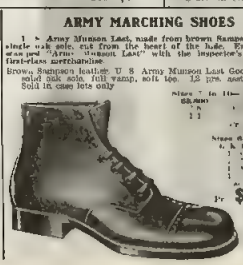


8K9000—Black [illegible] first [illegible] army goods full black rubber [illegible] heavy weight and [illegible] fusion lining, knee patch top with strap wide width [illegible] pr. [illegible] than 15 pcs sold

Pr $2.95

Total $3.10

ARMY MARCHING SHOES



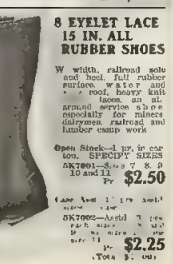
1 U. S. Army Munson Last, made from brown Sampson leather, single oak sole, cut from the heart of the hide. Each pair in [illegible] stamped "Army Munson Last" with the inspector's initials—all first-class merchandise

Brown Sampson leather U. S. Army Munson Last Goodyear welt [illegible] solid oak sole, full vamp, soft toe. 15 prs. asstd. [illegible] Sold in case lots only

Sizes 7 to 11— [illegible] Pr $3.45

Sizes 6 to 11 [illegible] Pr $3.45

8 EYELET LACE 15 IN. ALL RUBBER SHOES



W width, railroad sole and heel. full rubber surface, water and [illegible] roof, heavy knit [illegible] laces, an all around service shoe especially for miners dairymen railroad and lumber camp work

Open Stock—1 pr. in case lots. SPECIFY SIZES

8K7001—Sizes 7 8 9 10 and 11 Pr $2.50

Case lots [illegible] pairs [illegible]

8K7002—Asstd [illegible] pr. $2.25

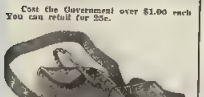
Total $2.40

ARMY & NAVY GOODS

Bargains! Bargains!! Sacrifice Prices!!! These army and navy goods offered at a fraction of their real value

THE GREATEST UTILITY BAG EVER OFFERED

Cost the Government over $1.00 each You can retail for 25c.



5A182—U. S. Army Utility Bag, 14 oz. duck, heavy olive drab canvas, strong all purpose bag for carrying clothing, shoes, toilet articles, large flap with adjustable web strap, two web handles, web strap for carrying, when not in use, folds flat, etc. 20 in. all

(Total $3.60) Each **15c**

OFFICERS' LEAVE BAG

An exceptionally fine well made bag. Made for hard service. Just the thing for hunting, fishing, camping and hiking.

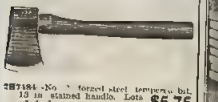
5A185—Extra heavy wt. OLIVE DRAB, Government eight ounce heavy duck, leather reinforced suspended bottom, large bellows flap with web strap & buckle fastener, 2 large pockets, small side pocket with button flap and web swing shoulder strap attached to easy fasteners. A bag that cost the Government $6.00 to $8.00 Each **$3.50**

OFFICERS' SURPLUS KIT BAG

5A015—Army OLIVE DRAB, double filled waterproof 15 oz. canvas, 24 in. long, 16 in. high, 13½ in. wide, strongly sewed throughout, 2½ in. heavy web straps to carry all your duds, buckle to fasten, all brass. Just the bag for campers or for use on the running board of a car or for any of today's purposes. Makes a splendid cost. Each. **$1.75**

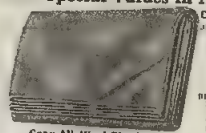
ARMY MODEL FORGED STEEL HATCHET

Offered at the price you pay for cast steel.



2H184—No. 1 forged steel tempered bit, 13 in stained handle. Lots of 1 doz. Doz **$5.75**

Special Values in Army Blankets



Gray All-Wool Blanket

9D500—About brand new, GRAY, wt. 4 lbs., fine quality all wool, with grey stitched ends, each blanket stamped U. S. N. in ink pkg. of 2 Each **$4.25**

Olive Drab All-Wool Blanket

9D501G—Average 4½ lbs. OLIVE DRAB, new, all wool, with neat stitched ends. U. S. Army blanket. Each. **$5.00**

Class "B" Olive Drab Blanket

9D501—Average 4 lbs. OLIVE DRAB, extra good, all wool, heavy regulation Army blanket. Blankets that were free from moths or tears and were ready for issue by the Government. Each **$2.95**

New Gray Blanket

9D501G—about 4½ lbs. OLIVE DRAB GRAY, new, all wool, heavy regulation Army blanket. Woolen Co. products. Have replaced with these all other Government goods. Each **$3.75**

Class "B" Emergency Blanket

9D3008—Aver. 60x80, 3½ to 4½ lbs. assd. grays, dark plaids and a few in other colors, as U. S. Army. Government surplus. B grade blankets from Soldiers. Large and very heavy to resist, plain and overlock stitched ends. Each **$2.15**

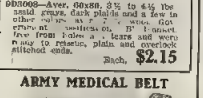
BARRACK OR LAUNDRY BAG

5G080—30x24 in. extra heavy duck all cotton denim and duck, strongly made, heavy rope drawstring top with strong brass eyelets. Assid. 1 doz. in bdl Doz **$4.00**

WEB BELT

7D4266—1¾ in. OLIVE DRAB extra heavy web belt, 2 brass roller buckles, one adjustable U. S. Government regulation buckle. With another 1 ordinary belt. Assorted sizes 1 to 10 in 1 doz. 1 bdl Doz **89c**

ARMY MEDICAL BELT



5A972—U. S. Medical Corps belt with 10 pockets of first aid supplies. Includes 1 bandage scissors, 1 tin adhesive tape, 1 hand tool, 1 set bone saw, 1 pair surgeons scissors, all assorted. Worth $8 or more. Each **$1.25**

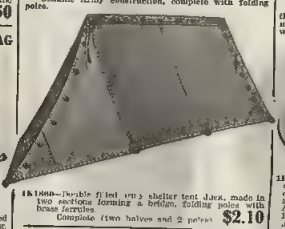
HUBBARD "BUCK" BRAND GARDEN SPADE

We don't need to say anything about the price or its well known spade. You know how much it is below the market

2H146—Square point 7¼x12 solid steel blade, one piece black and varnished plain solid back 27 in. D handle 1 doz. in bdl Doz **$8.25**

ARMY SHELTER TENTS

Genuine Army construction, complete with folding poles.

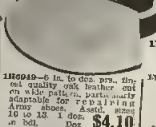


1K1888—Double fly tent army shelter tent duck, made in two sections forming a bridge, folding poles with brass ferrules

Complete (two halves and 2 poles) **$2.10**

OAK HALF SOLES

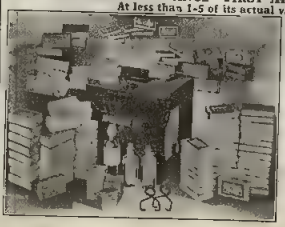
These men's half soles cost the Government fully 30% more than the price at which we are offering them to you.



1H2049—6 in. to doz. prs. tip oak half soles, leather and oak wide patch, parts ready adaptable for repairing Army shoes. Assid. sizes 10 to 12. 1 doz. in bdl Doz **$4.10**

ARMY AMBULANCE "FIRST AID" OUTFIT

At less than 1-5 of its actual value



5A973—U. S. Army First Aid wood ambulance box of thick stock 1 set for saving equipment

24 gauze bandages, compressed 1 doz.

6 pkgs. absorbent cotton, sterilized, 1 oz. pkgs.

1 roll bandage, 3 in. wide, sterile

36 yds. adhesive gauze

2 pkgs. sterile towels in pkg.

4 bottles iodine swabs, 6 in box

1 doz. safety pins

6 sheets adhesive plaster, 3 in. wide x 5 in.

1 bottle aromatic spirits of ammonia, ½ lb. in bottle.

2 empty bottles, 4 oz. size, with rubber stoppers.

COMPLETE **$3.50**

BLACK SEWING SILK

5A8—Size H black sewing silk U. S. Navy standard. Fine quality, fine silk, super fine finish, smooth and strong, fresh silk. 1 oz. yds. on spool. 1 doz. in pkg Doz. **95c** Lots of 10 doz **94c**

"BULL DURHAM" SMOKING TOBACCO

Here is that well known brand that pays you an exceptionally big profit.

1Y8309—5 oz. pkg. 6 doz pkgs in carton

Doz pkgs **42c** Gro. pkgs **$4.60**

1Y8304—2½ oz. extra size pkg., 6 to 8 cigarettes more than the regulation 2½ oz. pkg., so easy you lose 4 in 5 pkgs in carton

Doz pkgs **75c** Gro. pkgs. **$8.60**

"TUXEDO" SMOKING TOBACCO

Famous brand that makes a big 15 cents for you.

1Y8414—"Tuxedo," 1¾ oz. tins 6 doz in pkg

Doz **$1.15** Gro. **$13.20**

ALBANY HARDWARE & IRON CO.

ARROW WASHING MACHINE

TUB

Tub is made of 20 ounce copper, nickel plated inside and outside. Aluminum cover.

Holds 15 gallons of water, with a washing capacity of 60 pounds of clothes an hour.

Conveniently located drain, threaded for standard garden hose connection, quickly drains the tub

MOTOR

The motor of ¼ H. P. is installed on an insulated base and can be operated on an ordinary household electric light circuit with ordinary lighting fuses.

There is sufficient power to wash the clothes and operate the wringer at the same time

WRINGER

Split-top type aluminum frame wringer that swings and automatically locks in five positions and will not operate unless locked in one of the five positions.

Wringer cannot be swung from one position to another while the rolls are in motion.

Quick action safety release and pressure screw on top.

Balloon type rolls 2 inches in diameter that run in wooden bearings.

Reversible water drain.

FRAME

Heavy channel steel frame to which the tub and driving mechanism are firmly fastened is finished with two coats of white Duco.

The three legs will not permit the machine to tip on an uneven surface.

Three extra large ball-bearing casters

OPERATION

Clothes are washed by water action alone. The water circulator, made of lynite, turns back and forth at a speed of ninety times a minute, causing violent action of the water, surging it up from the outside and drawing it down toward the center, driving strong currents of water through every mesh of the fabric.

Operation is controlled by moving the starting lever

Six moving parts drive the washer, they and the gears run constantly in oil in an oil-tight case which is finished with two coats of white Duco

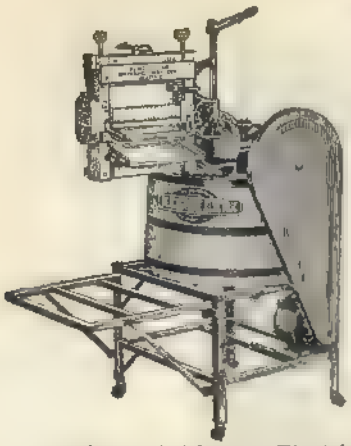
Cycles	Voltage	Packed	Weight	Each
40 and 60	110	crated	265 lbs.	**$155.00**

DEFERRED PAYMENT PURCHASING PLAN

The Blackstone Manufacturing Company has a deferred payment financing plan by which Arrow Washing Machines may be sold to consumers by any dealer who can supply the satisfactory financial qualifications.

For further information dealers should write direct to the Blackstone Manufacturing Company, Jamestown, N. Y

WASHING MACHINES



Swinging Wringer. Electric

Wooden tub of selected stock. Two ply over-lapping cover can be raised or lowered without turning off power Holds 22 gallons of water and drains at bottom through a garden hose connection.

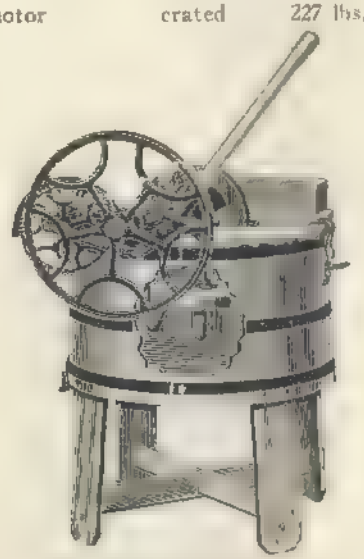
¼ H. P. motor fully enclosed and fitted with cord and plug. Belt protected by a pressed steel guard

Wringer swings to any position. Shielded cog wheels. Patent release instantly removes pressure from rolls.

Angle iron bench, extension folds up. Heavy casters.

Aluminum dasher does not tear the clothes. Cut gears eliminate noise and are either housed or shielded

Cycles	Voltage	Packed	Weight	Each
40 and 60	110	crated	269 lbs.	**$90.00**
Without motor		crated	227 lbs.	**70.00**



Quality. Hand Power

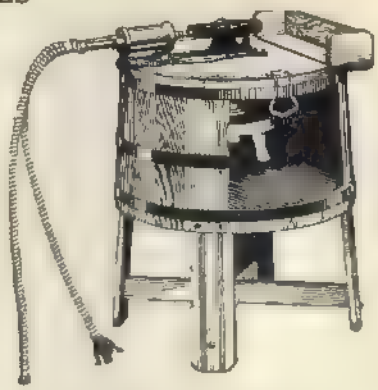
Cypress tub, corrugated side and bottom

Hardwood legs securely cross braced

Safety dasher does not tear the clothes

Perfectly balanced as to fly wheel, cut gears, etc Ball bearings. Double socket for handle, permitting operation either sitting or standing

Packed, crated, weight, 101 lbs.... ... . each, $22.50



Ajax. Water Power

Cypress tub. Corrugated side and bottom. Two ply over lapping lid. Holds 22 gallons of water, drains at bottom.

Rust proof brass motor operates at 20 pounds or more water pressure.

Hardwood legs securely braced with cross pieces and steel rods

Safety dasher does not tear the clothes

All inside castings are galvanized and rust-proof

Packed, crated, weight, 79 lbs. each, **$25.00**

EXTRA HOSE

For Ajax water power washing machine

For	Length	Packed	Weight	Each
Inlet	3 ft.	1	1¼ lbs.	**$1 50**
Outlet	3 ft.	1	1 lb.	**1.25**

VACUUM WASHER

The Rapid

Heavy bright tin, no solder. Hardwood handle. May be dried on stove without danger of melting.

Downward stroke forces air, steam and water through the fabric, causing a vacuum. Finest fabrics are not injured

Packed, 12, weight 30 lbs.. each **$1.00**

WASHING MACHINE DRAINER

No. 400 Siph-O

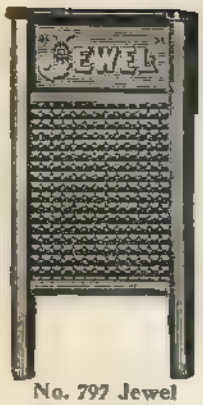
One 5 foot and one 15 inch red corrugated hose sections, both fastened to faucet connection. 15 inch section has a hose clamp slip on connection for faucet

For filling and siphoning washing machines

Packed, 1, weight, 1¾ lbs..... .. .. $2.25

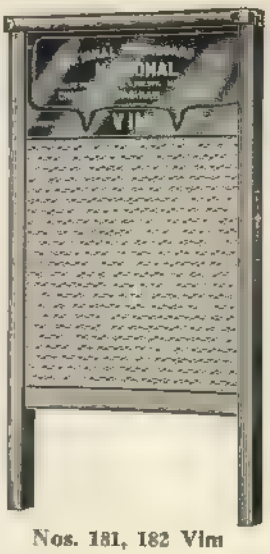
ALBANY HARDWARE & IRON CO.

WASHBOARDS

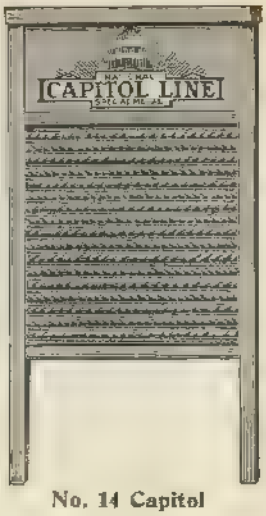


No. 797 Jewel

No. 822 Silver, Jr.



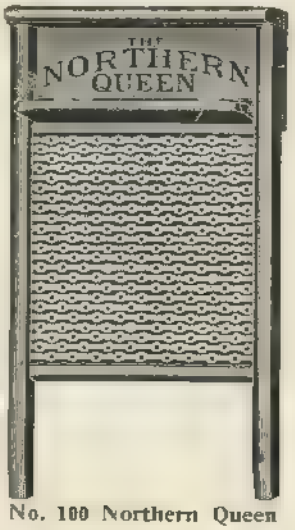
Nos. 181, 182 Vim



No. 14 Capitol

No. 797. Single zinc washing surface, globe crimp, plain back.
No. 822. Single special metal washing surface, spiral crimp, open back.
No. 181. Single brass washing surface, peerless crimp, ventilated back. Patented, draining metal soap box.
No. 182. Same as No. 181 except that washing surface is zinc.
No. 14. Single special metal washing surface, spiral crimp, open back.

No. 860, 865 Glass King



No. 100 Northern Queen

No. 500 Red Star

Nos. 860 and 865. Single glass washing surface, pencil crimp.
No. 100. Single zinc washing surface, perforated Northern Queen crimp, open back.
No. 500. Two solid zinc washing surfaces, pencil crimp, plain top

No.	Washing Surface	Size Over All	Packed	Weight	Per Doz.
797	5⅞x 7¾ in.	7⅛x16 in.	1 doz.	10 lbs.	**$ 4.20**
822	10 x10¼ in.	11⅛x23¼ in.	½ doz.	10 lbs.	**7.20**
181	10⅞x11 in.	12⅞x24¼ in.	½ doz.	17 lbs.	**10.20**
182	10⅞x11 in.	12⅛x24¼ in.	½ doz.	16 lbs.	**9.00**
14	10⅞x11 in.	12⅛x24¼ in.	½ doz.	15 lbs.	**6.00**
860	10⅞x12 in.	12⅛x24¼ in.	½ doz.	28 lbs.	**10.20**
865	12 x13½ in.	13⅝x26 in.	½ doz.	35 lbs.	**12.00**
100	10⅞x12½ in.	12⅛x24¼ in.	½ doz.	16 lbs.	**9.60**
500	12 x14½ in.	14⅛x28 in.	½ doz.	24 lbs.	**15.00**

Prices on Application

Autopoint

Prices on Application

"Watch Them Sell"

Here is the popular mechanical pencil that is sweeping the country with its sales. Combines all the good points of plain wood and mechanical pencils. Highly polished wood exterior with simple, trouble-proof mechanism. Looks better—writes better—is lighter, more perfectly balanced, and can be refilled easier than any other mechanical pencil.

Everybody buys Autopoint Pencils. Dealers cannot stock them fast enough. Put a display in your window and watch them sell.

BLACK Autopoint "Standard" No. 11 C with Clip No. 11 without Clip

RED Autopoint "Standard" No. 12 C with Clip No. 11 without Clip

BLUE Autopoint "Standard" No. 11 C with Clip No. 11 without Clip

GREEN Autopoint "Standard" No. 11 with Clip No. 11 C without Clip

Nos. 11 and 11C sold in assorted colors only.

SHORT with Ring No. 22 SW Silver Metal No. 55 SW Sterling No. 66 SW 12K Gold Filled

LONG with Clip No. 22 Silver Metal No. 55 Sterling No. 66 14K Gold Filled

SHORT with Ring No. 661 SW 14K Gold Filled No. 551 SW Sterling No. 331 SW Silver Filled

LONG with Clip No. 661 12K Gold Filled No. 551 Sterling No. 331 Silver Filled

Autopoint "Standards" are made with wood exteriors, beautifully finished, durable enamel, holds 10 in. of lead.

Autopoint long metal pencils hold 26 inches of lead. Autopoint short metal pencils hold 13 inches of lead.

AUTOPOINT PENCIL ASSORTMENTS

No. 12C.

No. 12.

HEXAGON AUTOPOINT "STANDARDS"—Beautifully finished in red, black, blue and green enamel, metal ends with and without clips, rubber erasers, hold 10 in. of lead.

No. 02—Consists of 12 pencils, 8 with clips and 4 without clips, assorted colors, mounted on beautifully colored easel back display card 7¾×12 in., w't per assortment about ¾ lb., per assortment **$8.00**

ONE ASSORTMENT IN A WOODEN BOX. WE DO NOT BREAK ASSORTMENTS

No. 12C—With Clip, ... per dozen *$7.20*

No. 12—Without Clip, ... per dozen *$6.00*

NOS. 12 AND 12C, TWO DOZEN IN A BOX

No. 11SW.

AUTOPOINT "JUNIOR WITH RING"—Beautifully finished in red, blue and black enamel, metal ring ends with erasers.

No. 11SW—Consists of 12 pencils, 4 red, 4 blue and 4 black, mounted on a beautifully colored easel back display card 10½×8¾ in., w't per asst. ¾ lb. ....per assortment **$8.40**

ONE ASSORTMENT IN A BOX, WE DO NOT BREAK ASSORTMENTS

AUTOPOINT LEADS

No. 1 H. B.—Per dozen tubes *$1.20*

No. H.—Per dozen tubes *1.20*

No. 3—Indelible ..... per dozen tubes *1.20*

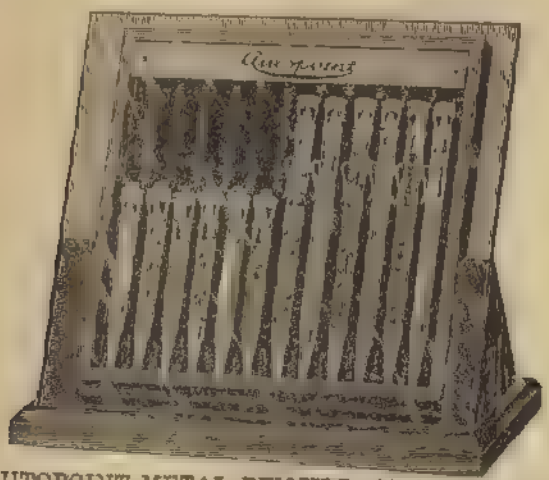
FIVE 2-INCH STICKS IN A TUBE; 12 TUBES IN A BOX

AUTOPOINT PENCIL ASSORTMENTS

AUTOPOINT "STANDARDS"—Beautifully finished in red, black, blue and green enamel, metal ends with and without clips, rubber erasers, hold 10 in. of lead.

No. 01—Consists of 12 pencils, 8 with clips and 4 without clips, assorted colors, mounted on beautifully colored easel back display card 7¾×12 in., w't per assortment about 2 lb. .....per assortment *$6.80*

ONE ASSORTMENT IN A WOODEN BOX. WE DO NOT BREAK ASSORTMENTS



AUTOPOINT METAL PENCILS—Silni metal, sterling silver, silver filled and 12k gold filled, plain and chased pattern, long style with pocket clip, holds 26 in. of lead, short style with ring for cord, holds 13 in. of lead.

No. 1—Consists of 12 pencils, 6 long and 6 short, assorted metals, plain and chased patterns in green velvet lined mahogany finish display case, base 9×5 in., glass front 8¾×8¾ in., w't per assortment 5¾ lbs, per assortment *$43.50*

ONE ASSORTMENT IN A WOODEN BOX. WE DO NOT BREAK ASSORTMENTS

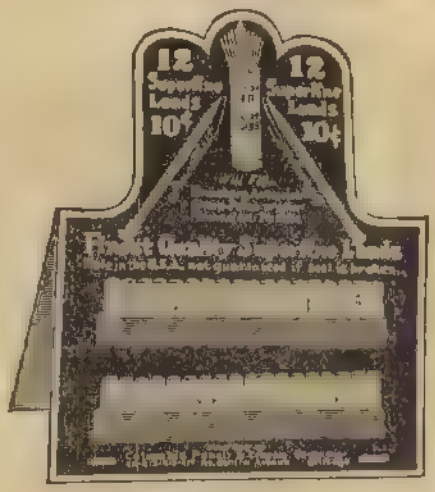
AUTOPOINT ERASERS

No. 6—

Per dozen boxes $.....

HALF DOZEN IN A BOX; ONE DOZEN BOXES IN A PACKAGE

MECHANICAL PENCIL LEADS



Finest quality superfine leads—will fit Eversharp, Autopoint, Sharp-Point or other mechanical Pencils.

Put up one dozen leads in a wooden tube; thirty-six tubes on a beautifully colored, easel back display card.

No. 36—Assorted leads, soft and medium, per card **$4.50**

CARPENTERS' PENCILS

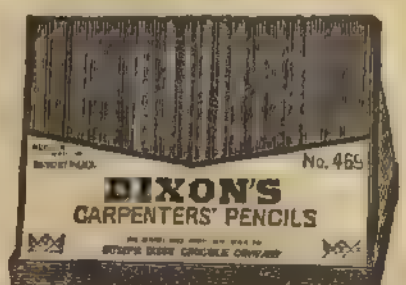
"High Grade," finished in bright red, black beveled edges, gold stamped.

No. 781 [illegible]—**7 in. Medium** .....per gross **$12 00**
No. 783 [illegible]—**7 in. Hard** ..... per gross **12.00**
No. 782 [illegible]—**9 in. Medium** .....per gross **13.50**
No. 784 [illegible]—**9 in. Hard** .....per gross **13.50**

HALF GROSS IN A BOX. WT PER GROSS 5 LBS.

Finished in yellow, green beveled edges, silver stamped.
No. 881 Hibbard—7 in. Medium .....per gross $12.00
HALF GROSS IN A BOX. W'T PER GROSS 5 LBS
ONE ASSORTMENT IN A BOX

DIXON'S FRAMERS—Flat, beveled, rosewood stained, gold stamped.
No. 538—7 in. Medium ..... per gros **$11 50**
HALF GROSS IN A BOX W'T PER GROSS 5 LBS.



No. 469—Dixon's, assortment contains three dozen best selling 7 in. pencils, assorted colors and widths, hard and very hard lead, oval and flat with beveled edges, w't per asst. 21 oz. .....per assortment **$3.00**

MOTO-METERS

BOYCE

The Boyce Moto-Meter is a heat indicator, mounted on the radiator cap of your car so that the radiator temperature is at all times visible while you drive It absolutely insures the vital part of your car, the motor, against damage, and by its use you can tell instantly when the radiator needs water, when the lubricating system needs more oil when the fan belt breaks or slips, when there is dangerous heat congestion anywhere throughout the motor

DE LUXE MODEL

Identical in every respect with the Standard, except that it is heavily silver plated and highly finished. Size 3¼x6 inches.
Regular equipment includes a Schlaich lock.

	Wt. each	Each
De Luxe	1 lb	$15.00

One in a box; ten in a carton

STANDARD MODEL

A perfect heat recording instrument, with extremely broad ribbon bore thermometer tube. Size 3¼x5¾ inches.

	Wt. each	Each
Standard Model	1 lb.	$10.00

One in a box, ten in a carton.

UNIVERSAL MODEL

Slightly smaller than the standard model, finished in all nickel. Beveled crystals. Size 3x5 inches.

	Wt. each	Each
Universal Model	¾ lb.	$7.50

One in a box; ten in a carton.

UNIVERSAL MODELS WITH CAR NAME PLATES

We carry in stock the following Universal models, equipped with car name plates: Buick, Dodge, Hupmobile, Oldsmobile, Studebaker and Stevens

JUNIOR MODEL

Very accurate and suitable for medium sized cars. Size 2¾x1¾ inches

	Wt each	Each
Junior Model	½ lb	$5 00

One in a box; ten in a carton.

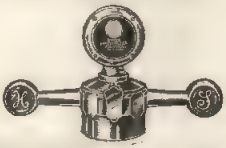
MIDGET MODEL

Designed especially for use on small cars. Polished nickeled frame, with beveled crystals both front and rear. Identical with more expensive Boyce Moto-Meters, for the larger types of cars. Size 3½x4¼ inches.

	Wt. each	Each
Midget Model	¾ lb	$3 50

One in a box, ten in a carton.

FORD ARISTOCRAT MODEL



Recording instrument same as on the Ford special model, but is equipped with a special Schlaich Lock Cap, which not only prevents theft, but also serves as a handsome ornament. Size 7¼x4¼ inches.

	Wt. each	Each
Aristocrat	1½ lbs.	$7.00

One in a box; ten in a carton.

INSERTS FOR ARISTOCRAT MODEL MOTO-METERS

By using these Special Inserts with the Ford Aristocrat Moto-meter and radiator cap it is possible to attach the Ford Aristocrat Model to any of the cars shown below
The threaded part of the Insert is screwed on the radiator opening and the moto-meter is held in place by a set screw.

No.	For car	Wt each	Each
F11A	—Star	5 ozs.	$0.50
F11	—Chevrolet	2 ozs.	.50
F18	—Maxwell and New Overland	3 ozs.	.50

One in a carton.

MOTO-METERS

BOYCE

FORD SPECIAL MODEL

With Special Ford Cap

Designed especially for use on Ford cars. It has a broad thermometer tube, which is easily readable even at a distance. Beveled crystals both front and rear. Finished in polished nickel. Size 2½x4¼ inches.

	Wt. each	Each
Special Model for Ford	¾ lb.	$4 00

One in a box; ten in a carton.

NEW MODEL H DISTANCE TYPE

This instrument is for dashboard installation only. It has a radium treated dial, making it easily readable at night. It is extremely accurate and easily installed.

	Wt. each	Each
New Model H Distance Type	1 lb.	$12 00

MOTO-METER LOCKS

SCHLAICH

The radiator cap may be unscrewed for filling the radiator, but the lock prevents the moto-meter and cap being stolen, or forgotten after filling the radiator, as it cannot be removed from the car after chain and bar has been inserted in the radiator opening.

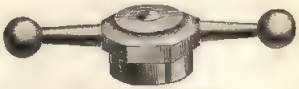
No.	Size	Models	Each
1	¾ in.	DeLuxe and Truck and Tractor	$2.00
2	⅝ in.	Standard and Universal	1.80
3	⅞ in.	Junior and Ford	1.80
4	Special	Overland Types	1.50

All the above, weight each, 4 ozs. One in a box; ten in a carton.

RADIATOR CAPS

See Page 4 for Specifications

BAR



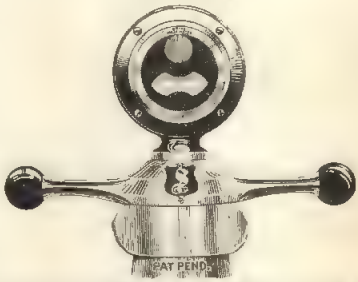
Cast bronze, nickel plated.

No trouble to install a Boyce Moto-Meter. Just remove the plug in the center of the radiator cap and insert the moto-meter.

No.	Each
2, 13	$1 40
12	.80
20	4 00
All numbers not enumerated above	2.20

Average weight each, 1½ lbs
One in a box

LASCO SPORT



The black tips are made of a solid composition which is rust, water and acid proof and will always wipe up to a brilliant black lustre. Black and nickel monogram shields, with polished nickel cap. The cap is permanently applied to the car and is locked by means of brass cups which are expanded on top of the locking set screws, preventing their removal. The hinge is strongly braced and cannot be twisted or broken off. Opens and closes instantly on a one-eighth turn, has no keys, or locks to bother with.

PRICES DO NOT INCLUDE MOTOMETERS

	Each
Ford, Chevrolet and Star	$6.50
Junior, Standard and Special	7.00
Extra Monograms	.15

In ordering specify your make and model of car
Average weight, 1½ lbs. each. One in a box.

STANDARD

Molded from either bakelite or condensite. It looks like rubber but is as hard as flint and practically unbreakable. The top is corrugated with brass insertion, machined threads. Carried in stock for late models of popular cars.

Specify year, model and make of car when ordering.

No.	Each
2, 9, 23, 31	$0.75
14	.60
11, 16	.56
17	1.25
5, 28, 29, 39	.90
All numbers not enumerated above	1.50

Average weight, 4 ozs. each. One in a box.

SPECIFICATIONS FOR RADIATOR CAPS

BAR CAPS

Automobile	Cap No.
Buick	1
Cadillac, 1917-1921	2
Chalmers, 1922	2
Chalmers, 1917-1921	5
Chandler	3
Chevrolet	2
Cleveland	4
Cole, 1921	3
Columbia	2
Dodge	4
Dort	2
Durant	1
Elgin, 1920-1921	3
Essex, 1920-21	2
Grant	2
Haynes	5
Hudson	2
Hupmobile, Model N	1
Hupmobile, Model R	10
Jordan	5
King, 1920-1921	4
Lexington, prior to 1921	5
Lexington, 1921, 7 pass	2
Liberty	5
Lincoln	2
Marmon, all 34 models	1
Maxwell	4
Mercer, 1918-1921	2
Mitchell	5
Moline	2
Moon, 1920 and before	5
Nash	1
Oakland, 1917-1921	1
Oldsmobile, 42-43	3
Oldsmobile, 37-45	5
Paige, 1915-1921	3
Peerless	2
Pierce-Arrow	5
Reo	16
Scripps-Booth, 1921	5
Stearns-Knight, 8 cyl.	2
Stearns-Knight, 1921, 4 cyl	1
Stearns-Knight, 4 cyl., prior to 1921	3
Stephens, 1921	5
Stevens-Duryea	3
Studebaker	4
Stutz	5
Stutz, 1921-1922	14
Velie, 1914-1915	4
Velie, 1920-1921	6
White	5
Winton, 1918-1919	5
Kissel	5
Ford, small cap	12
Ford, large cap	13
Willys-Knight	20

LASCO CAPS

Automobile	Cap	Bushing No.
Briscoe	Standard	16
Buick	Junior	12
Cadillac, before 1923	Standard	14
Cadillac, 1923	Standard	14A
Chalmers, 1915-22	Standard	20
*Chandler	Standard	21
Chevrolet F. B	Standard	14
Chevrolet 490 and Star	Special	
Cleveland	Junior	11
Cole, 1921-23	Standard	21
Columbia	Standard	14
Dodge	Junior	11
Dort	Standard	14
Durant Four	Junior	12
Durant Six	Standard	14
Earl	Standard	16
Elgin 6	Standard	21
Essex	Standard	14
Ford	Special	
Gardner	Standard	14
Grant	Standard	14
Haynes	Standard	20
Hudson	Standard	14
Hupmobile	Standard	16
Jewett	Standard	21
Jordan, 1918 21	Standard	20
King, 1919-23	Junior	11
Lexington, 1921-23	Standard	14
Liberty	Standard	20
Lincoln	Standard	14
Marmon, before 1921	Junior	12
Maxwell, 1918-23	Junior	15
Mercer	Standard	14
Mitchell	Standard	20
Moon, 6-58, Chevrolet 490	Special	
Nash	Junior	12
Oakland, 1917-23	Junior	12
Oldsmobile, late models	Standard	20
Oldsmobile, 42-43	Standard	21
Overland	Junior	22
Paige	Standard	21
Peerless	Standard	14
Pierce-Arrow	Standard	20
Rickenbacker	Junior	15
Star and Chevrolet, 490	Special	
Stephens	Standard	20
Studebaker	Junior	11
Wills St. Claire	Standard	14
Willys Knight, 1922-23	Junior	15
Winton, 1918-23	Standard	20

Note—Nos. 11, 12, 15 and 22 Bushings fit Junior Cap only. Nos 14, 14A, 16, 20 and 21 Bushings fit Standard Cap only

*Chandler, 1922-23, it is necessary to file flange at top of radiator neck to same diameter as neck.

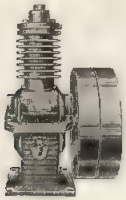
STANDARD CAPS

Automobile	Cap No.
Apperson, prior to 20	5
Apperson, 1920-21	18
Auburn	27
Briscoe	10
Buick	1
Buick, 1924, 4 cyl.	B-1
Buick, 1924, 6 cyl.	B-2
Cadillac, 1917-1921	2
Chalmers, 1922	2
Chalmers, 1917-1921	5
Chandler	3
Chevrolet, Baby Grand	2
Chevrolet 490	3
Cleveland	4
Cole, 1921	3
Columbia	2
Davis, 1921	3
Dodge	4
Dort	2
Durant 4	1X
Durant 6	2
Elgin, 1920-1921	3
Essex, 1920-1921	2
Ford, Small Cap	12
Ford, Large Cap	13
Grant	2
Haynes	5
Hudson	2
Hupmobile, Model "N"	1
Hupmobile, Model "R"	10
Jeffrey	3
Jewett	3
Jordan	5
Jordan, 1923	10X
King, 1920-1921	4
Kissel, old models	5
Kissel, 1921	5X
Kissel	5
Lexington, prior to 1921	5
Lexington, 1921, 7 Pass	2
Liberty	5
Lincoln	2
Marwell, 1919-20-21	4
Maxwell, 1922	4X
McFarland	3
Marmon, all 34 models	1
Maxwell	4
Mercer, 1918-1921	2
Mercer, prior to 1918	10
Michigan	2
Mitchell	5
Moline	2
Moon, 1920 and before	5
Nash	1
National	18
Oakland, 1917-1921	1
Oldsmobile, 1924, 6 cyl.	7
Oldsmobile, 37-45	5
Overland, 1923-24	4
Paige, 1915-1921	3
Patterson	2
Peerless, 1924	4
Peerless	3
Pierce-Arrow	5
Pan-American, 1921	5
Premier	28
Regal	4
Reo	15
Rickenbacker	4X
Roamer	11
Scripps-Booth, 1921	5
Standard, 8 cyl., 1920	5
Standard, 8 cyl., 1921	3
Star	8
Stearns-Knight, 8 cyl.	2
Stearns-Knight, 4 cyl., prior to 1921	3
Stearns-Knight, 1921, 4 cyl.	1
Stephens, 1921	5
Stevens-Duryea	3
Studebaker	4
Stutz	5
Stutz, 1921-1922	14
Velie, 1914-1915	4
Velie, 1920-1921	6
White	5
Willys-Knight	20
Willys-Knight, 1923	4
Winton, 1918-1919	5

AIR COMPRESSORS

BRUNNER

MODEL 11



Bore, 3 inches; stroke, 4 inches; capacity, 5 cubic feet at 310 R.P.M. to 7.5 cubic feet at 450 R.P.M. Splash lubricated. Tight pulley has extra heavy rim and acts as a fly wheel. Operation unusually smooth and quiet for this type.

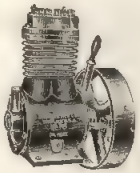
It will handle any tank up to 80-gallon capacity with motor of about 3 H. P.

Unlike other cheap single cylinder compressors, this model has all ground finishes, hammered rings, forged rod, forged crank, brass valve cages, and the usual Brunner features. It has not, however, the same grade of iron, nor the extreme accuracy and close fits of the Brunner divided load models.

Height, 22 inches; length, 14 inches; length over pulley, 18 inches (2¼-inch face); net weight, 120 pounds; shipping weight, 160 pounds; outlet for ½-inch iron pipe.

No.		Each
11	—With 14-inch Flywheel Pulley	$48 00
11A	—With 14-inch Tight and Loose Pulleys	53 00

MODEL 102



Twin cylinder 1⅛x2½ inches. Divided load type, displacing 2.6 cubic feet at 350 R.P.M. to 3.4 cubic feet at 450 R.P.M. Splash lubrication to pistons and main bearings as well as to connecting rods. All surfaces ground.

With any storage tank up to 50-gallon capacity, it can be run with ½ to 1 H. P., depending upon speed and pressure. Pressure in a 32-gallon tank can be raised from 100 pounds to 175 pounds in about 12 minutes, compressor turning at 350 R.P.M.

Special air uses, such as pneumatic tools or air driven gasoline pumps, will necessitate larger compressor, but for average use the Model 102 is the ideal investment.

Height, 13 inches; length, 6½ inches. width over two 2-inch pulleys, 10 inches. Outlet for ¼-inch pipe. Net weight is 50 pounds; shipping weight, 70 pounds.

No.		Each
102	—Without Pulleys	$55.00
102A	—With 9-inch Tight and Loose Pulleys (furnished unless otherwise specified)	61.00
102B	—With 14-inch Tight Pulley	59.00
102C	—With 14-inch Tight and Loose Pulleys	65.00
For vacuum service, common intake fitting		Extra 3.50

If sub-base, as shown in illustration, is not desired, deduct $5.00 from list price.

BELT DRIVEN GARAGE OUTFIT NO. 110

For Garages and Service Stations Housing 50 to 75 Cars

	Each
1 No. 11 Belt Driven Compressor, 14-inch Tight and Loose Pulleys	53.00
1 65-gallon 18x60-inch Seamless Air Tank (for 200 pounds working pressure)	90.00
1 Model "B" Air Gauge	3.00
1 No. 70 Horizontal Check Valve, ½-inch.	5.00
1 No. 73 Safety Valve for Air Tank	2.50
1 No. 83 ⅜-inch Needle Valve	2.25
1 No. 84 ½-inch Needle Valve	3.25
1 No. 82 ⅜-inch Needle Valve with Swivel Hose Connection	2.25
2 specially ground Brass Unions, ½-inch and ⅜-inch	1.55
1 Automatic Tire Connection	1.70
1 25-ft Drop Line ¼-inch "Resistoil" Air Hose	7.00
	$171.50

GARAGE OUTFIT NO. 1

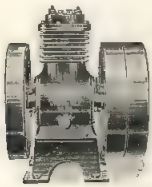
For Garages Housing up to 50 Cars, and Large Vulcanizing Shops

	Each
1 No. 102 Belt Driven Compressor, 9-inch Tight and Loose Pulleys	$61.00
1 45-gallon 18x43-inch Seamless Steel Tank (for 175 pounds working pressure)	58.00
1 Model "B" Air Gauge	3.00
1 No. 70 Horizontal Check Valve, ¼-inch	3.75
1 No. 73 Safety Valve for Air Tank	2.50
1 No. 82 ¼-inch Needle Valve	2.25
1 No. 83 ⅜-inch Needle Valve	2.25
1 No. 82 ⅜-inch Needle Valve with Swivel Hose Connection	2.25
2 specially ground Brass Unions, ¼-inch and ⅜-inch	1.25
1 Automatic Tire Connection	1.70
1 25-ft. Drop Line ¼-inch "Resistoil" Air Hose	7.00
	$144.95

GARAGE AIR COMPRESSORS

BRUNNER

MODEL 105



Twin Cylinder 2½x3 inches. Divided Load. Capacity, 6 cu. ft. at 350 R.P.M. to 8 cu. ft. at 475 R.P.M.

Larger shops need a compressor of this size, and with tank of 60 to 80-gallon capacity it makes a splendid installation. Owing to the divided load design, only 1½ to 2 H.P. is required to operate this large compressor even at 200 pounds pressure.

Valves are steel, mushroom style, in brass cages. Rods are forged steel with S. A. E. white metal split bearings. A safety valve is built in each cylinder. Main bearings are bronze, ingeniously oiled. Oil gauge and filler are on exposed flank of crankcase.

Very compact, measuring only 22½ inches high, 16 inches long, and 18 inches wide over pulleys. Net weight is 184 pounds; shipping weight, 235 pounds. Outlet for ½-inch iron pipe.

No.		Each
105	—Without Pulleys or Flywheels	$100.00
105A	—With Flywheels (No Pulleys)	112 00
105B	—With 16x2½-inch Tight and Loose Pulleys and Flywheel	125 00

OUTFIT NO. 165

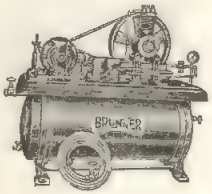
For Garages and Service Stations Housing 60 to 90 Cars

1	No. 105 Belt Driven Compressor, 16-inch T. & L. Pulleys and Flywheel	$125.00
1	65-gallon 18x60-inch seamless Air Tank (for 200 lbs. working pressure)	90.00
1	Model "B" Air gauge	3.00
1	No. 70 ½-inch Horizontal Check Valve	5 00
1	No. 73 Safety Valve for Air Tank	2.50
1	No. 84 ½-inch Needle Valve	3.25
1	No. 83 ⅜-inch Needle Valve	2.25
1	No. 82 ⅜-inch Needle Valve with Swivel Hose Connection	2 25
2	specially ground Brass Unions, ½ and ⅜-inch	1.70
1	Automatic Tire Connection	1.70
1	25-ft. Drop Line ½-inch "Resistoil" Air Hose	7.00
		$243.65

AIR COMPRESSOR UNITS

BRUNNER

MODEL 932



Complete automatic air plant, with 2.5 cu. ft. Brunner No. 102 compressor, ½-H.P. motor, unloader, controller, adjustable belt tightener, 32-gallon seamless steel tank, and accessories. All joints machined and locked. Every part replaceable, and accessible.

The most popular type of compressor unit is found in this Brunner model. Used the world over by accessory and tire stores, oil stations, car agencies and repair shops—everywhere, in fact, except where special pneumatic tools or appliances require greater volume of air. In average service the No. 932 will run at a daily cost of about 15 cents, and will continue in good form fifteen to twenty years.

Model 932 is silent at any pressure. Belt is doubly adjustable. Unloader-controller maintains tank pressure and relieves starting load. In fact, air supply is constant, and automatically maintained without attention or effort by the user

Weighing 430 pounds net, this model comes fully equipped. Stands 40 inches high, and measures 18x45½ inches on the floor. Shipping weight is 565 pounds. Tank outlet tapped for ¼-inch pipe line. Hose line is 25-foot length, genuine "Resistoil," with fittings.

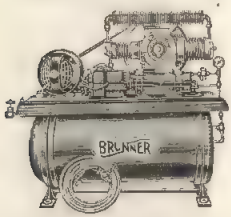
No		Each
932	—With 1-phase A. C. 110-220-volt 60-cycle motor	$325.00
932A	—With 1-phase A. C. 110-220-volt 25-cycle motor	340.00
932B	—With 1-phase A. C. 110-220-volt 40-cycle motor	340.00
932C	—With 110-volt direct current motor	325.00
932D	—With 220-volt direct current motor	325.00
932E	—With 32-volt direct current motor	330.00

Motors not listed are specially quoted on application.

AIR COMPRESSOR UNITS

BRUNNER

MODELS 939, 949 AND 969



The Brunner two-stage outfit is built with the safest and most expensive tank—drawn seamless steel, that will endure for years without developing annoying leaks or deteriorating to the point of becoming a public menace. The entire assembly follows engineering soundness, as typified by the use of such a tank. The unit, at any reasonable speed or any pressure, is silent, free from vibration, and runs smoothly without rattle or the familiar thump-thump of common two-stage outfits.

The Brunner Model 939 is the fastest-working ¾ H.P. unit built. Pressure in the 32-gallon tank rises from zero to 175 pounds in less than twenty-five minutes. A pressure rise of 25 pounds is a matter of five minutes or less. The answer is not excessive speed; it is the astonishing efficiency produced by dual valves, larger intercooler and snugly fitted, polished pistons. No other machine approaches this air delivery with a similar motor.

Equally good proportional results are had with the larger models, 949 and 969. The first of these mounts the same compressor, but with 1-H.P. motor, and with 45-gallon seamless steel air tank. The No. 969 also uses the same compressor and 1-H.P. motor, with a 65-gallon seamless steel tank. Pressure rise is produced in about equal time by all three units, as the compressor is proportionately speeded to tank size in each case. It is obvious that the smaller unit has the longest life, but the larger assemblies, running at higher speed, are nevertheless in great favor with oil stations and other busy establishments.

MODEL 939

Horse power, ¾; capacity, 3 cu. ft. per min.; tank size, 32-gallon; weight, 625 pounds; height, 40¼ inches; floor space, 19¼x45½ inches; shipping weight, 630 pounds.

	Each
1-phase A. C. 110-220-volt 60-cycle motor	$370.00
1-phase A. C. 110-220-volt 25-cycle motor	394 00
1-phase A. C. 110-220-volt 40-cycle motor	394.00
110-volt direct current motor	372 00
220-volt direct current motor	372.00
32-volt direct current motor	372.00

Other motor equipment specially quoted

MODEL 949

Horse power, 1; capacity, 4 cu. ft. per min.; tank size, 45-gallon; weight, 650 pounds; height, 45½ inches; floor space, 24x45½ inches; shipping weight, 774 pounds.

	Each
1-phase A. C. 110-220-volt 60-cycle motor	$410.00
1-phase A. C. 110-220-volt 25-cycle motor	434.00
1-phase A. C. 110-220 volt 40-cycle motor	434.00
110-volt direct current motor	412.00
220-volt direct current motor	412.00

Other motor equipment quoted on request.

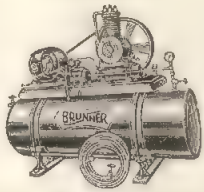
MODEL 969

Horse power, 1; capacity, 4½ cu. ft. per min.; tank size, 65-gallon; weight, 756 pounds; height, 45½ inches; floor space, 24x60 inches; shipping weight, 950 pounds.

	Each
1-phase A. C 110-220-volt 60-cycle motor	$440.00
1-phase A. C. 110-220-volt 25-cycle motor	464.00
1-phase A. C. 110-220-volt 40-cycle motor	464 00
110-volt direct current motor	442.00
220-volt direct current motor	442.00

Motors of other types at relative prices.

MODEL 965



Completely equipped, automatic, heavy duty unit for all manner of air service. 1½ H.P. motor drives Brunner No. 105 Compressor (6 cu. ft.) and quickly recharges the 65-gallon seamless air tank when automatic controller "cuts in." Motor starts "no load." All joints machined and locked.

The operation of this type outfit is as smooth and silent as an 8-cylinder motor. Nevertheless, Brunner practice of grinding all fitted joints is carried out, locked cap screws are used to clinch the power plant on the saddles, and the heavy, seamless tank is clamped in place with four heavy iron straps. Years of constant operation will not affect the rigid stability of this rugged and reliable outfit.

Has ample capacity for the largest and busiest filling station, even handling three or four air driven gasoline pumps. Pneumatic truck tires are quickly inflated from the large tank. No degree of air demand will find it unready or inadequate.

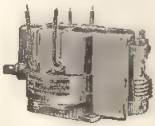
While space is not wasted, and the whole assembly is very compact, the entire unit is not small. The top of the compressor reaches 48½ inches from the floor; length over all is 65 inches, and extreme width is 22 inches. The weight, 775 pounds, is too great for overhead location. Shipping weight is 970 pounds.

No.		Each
965	With 1-phase A. C. 110-220-volt 60-cycle motor	$560.00
965A	With 2 or 3 phase A. C. 220-440-volt 60-cycle motor	539.00
965B	With 1-phase A. C. 110-220-volt 25-cycle motor	580.00
965C	With 2 or 3-phase A. C. 220-440-volt 25-cycle motor	560 00
965D	With 220-volt direct current motor	615.00

Other motors are supplied at special prices.

AUTOMATIC PRESSURE CONTROLLERS

BRUNNER



In connection with any motor driven compressor outfit up to 5 H. P. a Brunner controller will automatically maintain tank pressure at any pre-determined maximum up to 200 lbs. Usual setting is for 145 lbs. maximum and 120 lbs. minimum, but maximum setting may be adjusted. At any setting, however, the "cut-in" will be 25 lbs. below the "cut-out" pressure. The Brunner controller is furnished in two models, suited to various motors. These may be used with any motor driven outfit, Brunner or other makes. They are reliable, accurate, safe and durable. A controller saves profitable time, insures service to your customers, avoids dangerous pressures, and saves current by operating compressor only when air is needed.

Model		Each
M	For A. C. motors up to 2 H. P. 220 V (inclusive), or 110 or 220 Volt D. C. motors up to ½ H. P. (inclusive)	$ 35.00
E	For D. C. motors, ¾ H. P. to 2 H. P. (inclusive), for current up to and including 220 volts	110 00

WHERE *DIAMOND EDGE* AXES ARE MADE

THE FACTORY WITH A RECORD FOR HIGH QUALITY

"DIAMOND EDGE IS A QUALITY PLEDGE"

VIEWS OF OUR AXE HANDLING DEP'T.

SHAPLEIGH HARDWARE CO.
DE
DIAMOND EDGE

A MODERN AXE HANDLING DEPARTMENT

For many years all our Axes have been handled by a modern [illegible] and [illegible] who knew how to handle Axes without injuring them. Each Axe is carefully inspected before leaving [illegible]. This is very important for an Axe does not bring properly if [illegible].

In the handling of all of our Axes we use the *DIAMOND EDGE* Axe [illegible] which takes out every bit of the Axe to work loose. It is [illegible] and [illegible] the wood tight.

We have a capacity for handling several hundred dozen Axes [illegible] large [illegible].

All Axes [illegible] are carefully [illegible] and then carefully wrapped [illegible] reach you in perfect condition.

SEND US YOUR AXE ORDERS

"DIAMOND EDGE IS A QUALITY PLEDGE"

*DIAMOND EDGE LABELS

All *DIAMOND EDGE* Labels are the same color and style. The following reproductions show their Color, Design and harmonious appearance.

DIAMOND EDGE Tools are packed in green, soil proof boxes. They look well on the shelf and will attract the attention of customers.

"DIAMOND EDGE IS A QUALITY PLEDGE"

Every Boy and Girl In Your Community Will Want a

"CENTURY" BICYCLE

Better bicycles—just read our specifications and you'll realize that no better parts or equipment can be obtained. That's why "Centurys" stay sold and give satisfaction.

Here's Why The "Century" Is Such a Good Bicycle

Construction

FRAME—20 gauge seamless tubing.
JOINTS—Flush reinforced fishtail.
CRANK HANGER—Drop forged, 1 piece.
SPROCKET—Special design, machined, polished.
SPOKES—Standard Co's best.
CHAIN—Roller, ½ inch pitch, easy riding.
CUPS AND CONES—Lathe turned from solid bar, polished.
MUD GUARDS—Steel, braced, enameled to match frame.

Equipment

COASTER BRAKE—"New Departure"
FRONT HUB—"New Departure."
TIRES—U. S. chain tread.
SADDLE—"Troxel."
HANDLE BARS—"Kelly" triple plated, motorcycle rubber grips.
PEDALS—"Surplus," rubber tread, ball-bearing.
STAND—Channel iron, latches to mud guard.

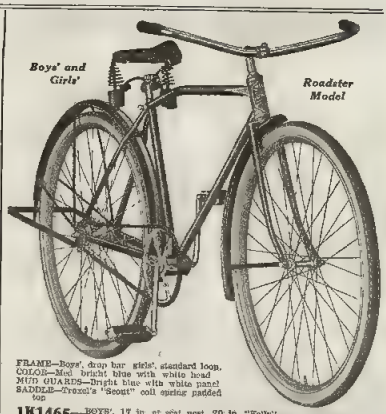
Finish

The "Century" rich, smooth, lasting finish is obtained from anti-rust and primary coats, hand rubbed and sanded, then finished with deep rich enamels, applied with air brush and over-baked to a hard china-like surface.

Trim

All "Century" bicycles have a white head with spears, outlined and striped in harmonizing colors.

Century



Boys' and Girls' *Roadster Model*

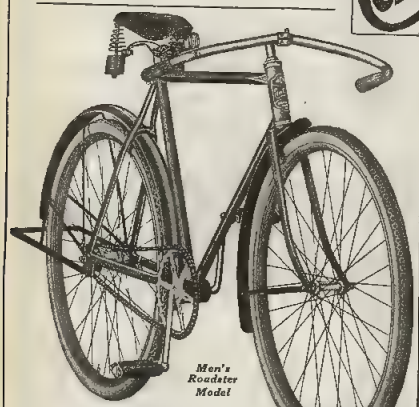
FRAME—Boys', drop bar girls', standard loop.
COLOR—Med. bright blue with white head.
MUD GUARDS—Bright blue with white panel.
SADDLE—Troxel's "Scout" coil spring padded top.

1K1465—BOYS', 17 in. st. seat post, 20 in. "Kelly" handle bars, 3 in. extension, 26 in. tires, 5½ in. crank hanger, 1 in. crate. Each ***25.00**

1K1463—YOUTHS' 19 in. st. seat post, 7 in. crank hanger, 22 in. Kelly handle bars, 3 in. extension, 28 in. tires, 1 in. crate. Each. ***25.00**

1K1467—GIRLS', 17 in. loop frame, 20 in. Kelly handle bars, 26 in. tires, 6½ in. crank hanger, 1 in. crate. Each. ***25.00**

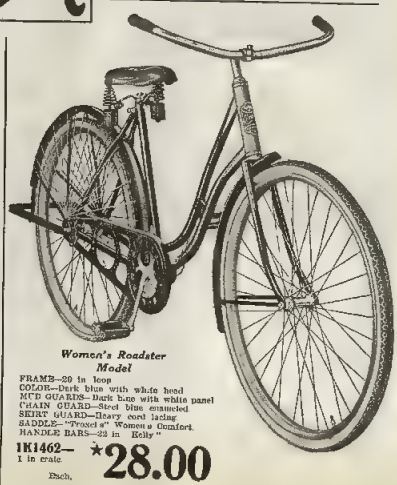
(NOTE—The 17 in. juvenile frames will fit children of 52 in. inseam measure, the 19 in. youths' frame fits 57 in. inseam and can be ridden by full grown persons.)



Men's Roadster Model

FRAME—22 in. Diamond.
COLOR—Bright blue with white head.
MUD GUARDS—Bright blue with white panel.
SADDLE—Troxel's "Top Notch" padded top, coil springs.
HANDLE BARS—22 in. "Kelly" forward extension.

1K1460—1 in. crate. Each. ***25.00**



Women's Roadster Model

FRAME—20 in. loop.
COLOR—Dark blue with white head.
MUD GUARDS—Dark blue with white panel.
CHAIN GUARD—Steel, blue enameled.
SKIRT GUARD—Heavy cord lacing.
SADDLE—"Troxel" Women's Comfort.
HANDLE BARS—22 in. Kelly.

1K1462—1 in. crate. Each. ***28.00**

"CENTURY" BICYCLES—Continued

Light Model For Men

FRAME—Double bar motor-bike with drop top bar 21 in. at seat post
COLOR—Bright green with white head
MUD GUARDS—Bright green with white panel
SADDLE—Troxel's Top Notch padded top, motorcycle type coil springs
HANDLE BAR—"Kelly California" 3 in. extension.
TIRES—U. S. Chain Tread
1K1470—1 in crate **Each, *27.00**

Standard Model For Men

FRAME—Double curve motor-bike, 21 in. at seat post
COLOR—Cherry red with white head, a beautiful bright combination
MUD GUARDS—Drop side motorcycle type, cherry red with white panel
SADDLE—Troxel's best the No. 2 motor-bike padded top, coil springs
HANDLE BARS—"Kelly California" type 3 in. extension

1K1472—U. S. Chain Tread single tires. Each. ***28.00**

1K1473—U. S. Chain Tread double clinch casings, filled with endless inner tubes. Each. ***30.00**

BOYS' AND YOUTHS' BICYCLES

COMPLETE WITH COASTER BRAKE

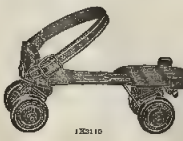
Fully guaranteed Made for real boys—built especially rugged to withstand hard usage. Another evidence of our fight to restore popular prices. A good bicycle that you can sell for less than $30.00. Snappy new models, fully equipped and guaranteed.

FRAME—Sturdy tubing, double braced at joints, full ball-bearing head and crank
COLOR—Bright cherry red, gold hairline striped
MUD GUARDS—Enameled to match frame, gold striped
RIMS—Single tube type, steel
SADDLE—Leather, padded top, coil spring
HANDLE BAR—Nickeled, forward extension
GRIPS—Leather wound,
PEDALS—Ball-bearing, standard rat trap
COASTER BRAKE—Musselman, simple, efficient, guaranteed
FRONT HUBS—"New Departure."
TIRES—Juvenile De Luxe, guaranteed

1K1480—Boys', 28 in. frame, 24 in. tires. Each. **$19.50**

1K1481—Youths', 28 in. frame, 26 in. tires. Each **$19.75**

UNION HARDWARE CO'S EXTENSION ROLLER SKATES



1K3110

1K3117

Plain Bearing—Bright finish plain steel wheels, toe clamp, web heel strap. 1 pr. in pkg

Ball Bearing—Nickel plated self contained ball-bearing wheels, rubber cushions, adjustable toe clamp, leather heel straps. 1 pr. in pkg

1K3107—(Mfrs. 3)	Boys' or girls', extends 7½ to 9½ in.	Pr	Temp Out	**1K3108**—(Mfrs. 4)	Children's, extends 6¾ to 8½ in.	Pr	Temp Out	**1K3110**—(Mfrs. 5)	Men's or boys', extends 8½ to 10½ in.	Pr	Temp Out	**1K3111**—(Mfrs. 6)	Women's and girls', extends 7½ to 9½ in.	Pr	Temp Out

BICYCLE SUPPLIES

"3 IN 1" OIL
America's favorite cleans, polishes and lubricates

1K1096—1 oz bottle. 3 doz in box Doz. $1.20 (Total $3.60)

1K1098—3 oz. handy can 1 doz. in box Doz. $2.40

POCKET OIL CAN

1K1042—3½ in., nickeled brass, screw-on hood, dropper pin. 1 doz. in pkg. Doz. 90c

"EVERGRIP" TAPE

5/8 in closely woven fabric tape, thoroughly impregnated with high percentage pure rubber, guaranteed to keep 18 months. Each coil in linko box

Size of coil	In carton	Carton
1K1010—1 oz.	10 rolls	40c
1K1011—2 oz.	5 rolls	40c
1K1012—4 oz.	1 roll	10c

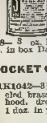
"SAMSON" BRASS TIRE PLUG

1K1108 — The standard pneumatic repair, swivel head, assd. sizes. 1 doz. in env. Doz. 36c

"NEVERLEAK" TIRE FLUID

1K1095—4 oz. tube. 1 tube seals tire against punctures and porousness. 1 doz. in display carton Doz. $1.75

VAN CLEEF'S CEMENTS
The name guarantees satisfaction

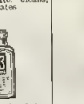


Rubber Patch Cement—Collapsible metal tubes, screw top. 1 doz. tubes in box
1K1140—⅜ gr. in tube Doz. tubes, 40c
1K1141 1/4 in tube. Doz. tubes, 60c

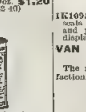
Rim Cement—Good for either wood or metal rims. 1 doz. in pkg.
1K1142—¾ oz. in tube. Doz. 40c
1K1143—2 oz. bottle with swab . . . . Doz. 80c

Bicycle Rim Cement—
1K1144—4 oz. metal can. Doz. $1.35

"TROXEL" SADDLES
Extra heavy wire truss, double coil springs



1K1058—"Tip-top," molded cowhide. 1 in pkg. Each, $1.35



1K1059—"Top-notch," half stuffed, molded leather top, veneer base, motorcycle type. 1 in pkg. Each, $1.35

PUMPS
Nickel plated barrels. 8 ply hose with valve connection 1 in carton.

1K1077 1K1078
1K1077 Foot, 12 in cast base. Each 40c
1K1078—Telescope, 8 in with clamp. Each 40c

NEW DEPARTURE "PLAIN LEADER" BELL

1K1118—2 in. nickeled, ball-bearing. 1 doz. in box Doz. $2.10

"SURPLUS" PEDAL

1K1066 — "Surplus" square cut, heavy rubber cushions, full ball bearing 1 pr in box Pr 86c

REPLACEMENT PEDAL RUBBER

1K1134 — Molded, heavy corrugation, fits all makes pedals. 20 in box Box, $1.20

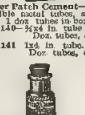
HANDLE BAR GRIP

1K1040—Motorbike, 8 in heavy molded rubber reinforced. 1 pr. in carton Pr 18c

"PERFECTION" TROUSER GUARD

1K1062—Black enameled best spring steel 3 doz. prs in box. . . . . Doz. prs. 97c (Total $1.11)

ROLLER CHAIN



1K1066—1x1 in. test chain steel smooth running and durable, 56 in long 1 in pkg. . . . Each, $1.36

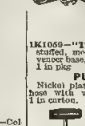
TOOL KIT

1K1117—Leather wallet containing wrench, valve and tire repair kit 1 in carton Each, 70c

AUTO HAND HORN

1K1120 Junior size auto horn, steel gears, brass bushings, black enamel oil case. 1 in box . . . Each 96c

"NEW DEPARTURE" CYCLOMETER

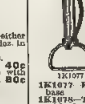


1K1107—Nickel plated brass, attaches to fork, accurately registers mileage 1 in box Each, 78c

MUD GUARD SET

1K1043 — Black enameled front and rear steel guards, raised center complete with braces and parts 1 set in pkg Set, 70c

HANDLE BAR LUGGAGE CARRIER



1K1045—13x8x5 in. reinforced wire, sees braces, 3 leather straps 1 in pkg Each 60c

"DELTA" ELECTRIC LAMP

1K1100 — Black enameled, attaches to hub, throws white beam forward, shows red light rear, insulated battery case with switch. 1 in carton. Each, $1.40

REPLACEMENT WHEELS

26x1¾ in., aluminum finish, half-line stripes, rock elm, each in corrugated carton
1K1048 Front, with 1 pc. hub, turned from solid bar. Each $2.50
1K1050—Rear, 6 tooth hub. "New Departure" coaster brake . . . Each $6.60

STANDARD SPOKE AND NIPPLE

1K1135—12 in nickeled spoke, ⅜ in nipple, 100 in box Per 100, 90c

All the goods in "Our Drummer" are subject to our regular discount of

2% for cash in 10 days

BICYCLE TIRES AND TUBES

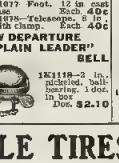
All made by the U. S. Tire Co., which eliminates any doubt as to quality and service. Guaranteed for a full season from date of purchase but not against punctures & blowouts due to excessive inflation.

SINGLE TUBE BICYCLE TIRES

1K974 -New "U. S. Chain," 28 in., 2 ply fabric, improved heavy large link chain tread with cellular rib black tread, white sides
Each $1.72

1K975—"Traction" Tread Cord, 28 in. same quality of fabric and rubber used in the "Boyd Cord" auto tire now nonskid black tread, white sides
Each $2,33

"ORINOCO" SINGLE CLINCHER CASING



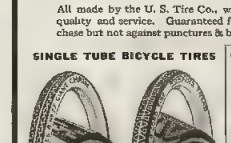
1K976—28 in. single clinch 2 ply fabric black tread, white sides heavy nonskid studs.
Each, $1,60

"U. S. C. & J." DOUBLE CLINCHER CASING

1K1018 28 in. double clinch 2 ply guaranteed tread fits single or double clinch rim
Each, $1.75

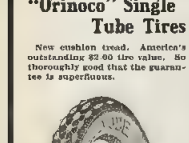
IVORY GRAY INNER TUBES
For use with Clincher Casings.
Improved laminated construction, heavy gray gum stock, extra heavy. A tube for service 1 in box

1K1025— M & W" butt end type & J" endless type
Each, 60c



"Orinoco" Single Tube Tires

New cushion tread. America's outstanding $2.00 tire value. So thoroughly tested that the guarantee is superfluous.

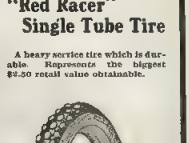


3 ply fabric, heavy studded black tread white sides, extra proof non-skid flexible Quality throughout

	Each
1K970—28 in.	$1.35
1K971—28 "	
1K972 26 "	

"Red Racer" Single Tube Tire

A heavy service tire which is durable. Represents the biggest $2.50 retail value obtainable.



1K977—28 in., 3 ply, 4½ oz. motorcycle tire fabric, extra heavy red rubber, non-skid studded tread, white sides, oil proof stating
Each, $1.67½

CHAMPION LUMBERING TOOLS

SOLID SOCKET PEAVIES

Select Rock Maple Handle, Duck Bill Hook.

Solid sockets, made from best malleable iron, 2½ in. in diameter. They have all the strong points and are of latest improved patterns. Standard size peavies have hand hammered duck bill hooks made from ⅞×⅞ in. crucible steel and picks of ⅞ in. steel. Bolts are steel 1⅛×⅞ in. In the 2¾ in. peavies the hooks, picks, etc., are proportionately heavier.

Nos.	N254½	N255
Length, ft.	4½	5
W't, doz., lbs.	112	120
Per dozen	$59.30	60.80

Select Hickory Handle, Duck Bill Hook.

Nos.	N285
Length, ft.	5
W't, doz., lbs.	120
Per dozen	$75.40

HALF DOZEN IN A CRATE

PEAVEY AND CANT HOOK HANDLES

Rock Maple, Wax Finished.

Nos.	N2514	N2514½	N2515
Length, ft.	4	4½	5
W't, doz., lbs.	47	55	60
Per dozen	$10.70	11.80	13.20

Nos.	N2524½	N2525
Length, ft.	4½	5
W't, doz., lbs.	65	70
Per dozen	$14.60	16.00

Select Hickory, Wax Finished.

Nos.	N2574	N2574½	N2575	N2584½
Length, ft.	4	4½	5	5½
W't, doz., lbs.	60	67	80	70
Per dozen	$15.30	17.00	19.00	20.00

TWO DOZEN IN A CRATE

CANT HOOKS

Selected Rock Maple Handle, Short Malleable Iron Clips Bolted Through Handles, and Duck Bill Hooks.

Malleable iron clasps 2½ or 2¾ in. in diameter. Improved extension toe rings. Beveled on both sides to admit of use as a bar in "cutting" logs on skids, and is constructed so as to free itself readily. Standard size tools, 2½ in. in clasp, have hand hammered duck bill hooks of 1×⅞ in. crucible cast steel and proportionately heavier steel for 2¾ in.; 1⅛×⅝ in. steel bolts.

Nos.	N2614	N2614½
Length, ft.	4	4½
W't, doz., lbs.	90	100
Per dozen	$44.40	46.00

HALF DOZEN IN A CRATE

CANT HOOKS

Select Rock Maple Handle, Malleable Iron Clasp and Toe Rings, with Nib to Catch on Log, Crucible Steel Chisel Shaped Hook.

Malleable iron clasps 2½, 2¾ or 3 in. diameter. Beveled on both sides to admit of use as a bar in "cutting" logs on skids, and is constructed so as to free itself readily. Standard size tools 2½ in. in clasp, have hand hammered chisel bill 1×⅞ in. crucible cast steel and proportionately heaviner steel for 2¾ in.; 1⅛×⅝ in. steel bolts.

Nos.	N1074½	N1075
Length, ft.	4½	5
W't, doz., lbs.	90	92
Per dozen	$44.00	45.40

HALF DOZEN IN A CRATE

Select Rock Maple Handle, Hand Forged Wrought Steel Clasp, Malleable Iron Extension Toe Ring, Hand Forged Steel Duck Bill Hook.

Malleable iron clasps 2½, 2¾ or 3 in. diameter. Improved extension toe rings. Beveled on both sides to admit of use as a bar in "cutting" logs on skids, and is constructed so as to free itself readily. Standard size tools, 2½ in. in clasp, have hand hammered duck bill hooks of 1×⅞ in. crucible cast steel and proportionately heavier steel for

Nos.	N684½	N685
Length, ft.	4½	5
W't, doz., lbs.	90	100
Per dozen	$50.40	52.00

HALF DOZEN IN A CRATE

Select Rock Maple Handle, Duck Bill Hook.

Malleable iron clasps 2½, 2¾ or 3 in. diameter. Improved extension toe rings. Beveled on both sides to admit of use as a bar in "cutting" logs on skids, and is constructed so as to free itself readily. Standard size tools, 2½ in. in clasp, have hand hammered duck bill hooks of 1×⅞ in. crucible cast steel and proportionately heavier steel for 2¾ in.; 1⅛×⅝ in. steel bolts.

Nos.	N834	N834½	N835	N844½
Length, ft.	4	4½	5	4½
W't, doz., lbs.	87	92	117	110
Per dozen	$44.40	46.00	47.50	53.30

Select Hickory Handles, Duck Bill Hook.

Nos.	N874½	N875
Length, ft.	4½	5
W't, doz., lbs.	102	106
Per dozen	$55.20	58.20

HALF DOZEN IN A CRATE

POST HOLE AUGERS

CRUSO

CRUSO, Vaughan pattern, 1 in. wrought steel pipe standard, malleable iron tee and point, two forged steel blades, hardwood handle, length over all 48 in. Works best in dry soil.

Nos.	N26	N27	N28	N29
Size	6	7	8	9
W't, doz., lbs.	60	65	70	75
Per dozen	$27.00	28.00	29.00	29.00

THIRD DOZEN IN A BUNDLE

FENN'S PIPE HANDLE

Made of the highest grade materials, with galvanized pipe standard.

Blades high carbon steel, flexible enough so sticky soil may be loosened. When operated in sticky soil auger should not be completely filled.

Bottom end of each blade shaped correctly to lead tool into ground with very little pressure. If auger is filled full of dry earth or sand and then given a half turn, it will compress dirt against closed top and lift out dry soil.

Between the shank of each blade and the standard of the auger is an adjusting wedge. When these wedges are raised and the bolt tightened, the tops of the blades are drawn closer to the standard, which opens the blades at the bottom.

No.	N5GP
Size, in.	5
Length, over all, in.	48
W't, doz. lbs.	90
Per dozen	$37.50

Nos.	N 6GP	N 7GP
Size, in.	6	7
Length, over all, in.	48	48
W't, doz. lbs.	100	110
Per dozen	$40.00	40.00

Nos.	N8GP	N9GP
Size, in.	8	9
Length, over all, in.	48	48
W't, doz., lbs.	120	125
Per dozen	$42.70★	42.70★

QUARTER DOZEN IN A BUNDLE

POST HOLE DIGGERS

The GVB Post Hole Digger is fitted with a double hinge, preventing the side play of handles and making the blades close perfectly true, holding the maximum amount of dirt.

Highest quality forged steel blades, half polished, 6 in. spread, japanned malleable double-hinged frame castings, select straight grained 4 ft. ash handles, with steel reinforcing plate where bolted, lenght over all 58 in.

No. N18 GVB—W't per doz. 130 lbs., per dozen $30.00

ONE-SIXTH DOZEN IN A BUNDLE
WE DO NOT BREAK BUNDLES

Hercules pattern, high carbon, forged steel blades, half polished, 6 in. spread, double hinged, full bolted, malleable frame castings, painted red, 4 ft. hardwood handles, length over all 58 in.

No. N14 Hibbard,—W't per doz. 110 lbs. .....per dozen $30.00

ONE-SIXTH DOZEN IN A BUNDLE
WE DO NOT BREAK BUNDLES

HIBBARD POST HOLE DIGGERS

HIBBARD CHAMPION PATTERN

No. N19—Hibbard, iron handled, welded by hand, securely riveted to high carbon, extra quality, steel blades, w't per doz. 130 lbs. per doezn $27.00

QUARTER DOZEN IN A BUNDLE

EXTRA HANDLES

No. N12H — Hardwood, half round plain finish, 4 ft. long, for No. N12 diggers, w't per single doz. 20 lbs., per dozen pairs $10.80

No. N14H—Hardwood, round, for Nos. N18, N14, N13 and N17 diggers, w't per single doz. 17 lbs., per dozen pairs $10.80

FOR HIBBARD AND CRUSO POST HOLE AUGERS

No. N15—Hardwood, 22 in., for Hibbard and Cruso post hole angers, w't per doz. 10 lbs., per single dozen $3.20

LOOSE

POST HOLE DIGGERS

Invincible pattern, one piece solid pressed steel blades and sockets, half polished blades, 5½ in. spread, balance painted black, 4 ft. round hardwood handles, length over all 60 in.

No. N17—Il-a-noy, w't per doz. 96 lbs. ... .per dozen $28.00

QUARTER DOZEN IN A BUNDLE. WE DO NOT BREAK BUNDLES

Eureka pattern, forgel steel blades, 6 in. spread, malleable castings, painted black, 4 ft., half round hardwood handles.

No. N12—Cruso, w't per doz. 105 lbs., per dozen $26.00

QUARTER DOZEN IN A BUNDLE. WE DO NOT BREAK BUNDLES

CRUSO

Atlas pattern, forged steel blades, 5½ in. spread, malleable castings, painted black, 4 ft. round hardwood handles.

No. N13—Cruso, w't per doz. 102 lbs., per dozen $29.00

QUARTER DOZEN IN A BUNDLE. WE DO NOT BREAK BUNDLES

The locking device moves and locks the blade vertically, for digging, or horizontally, for lifting out, as desired.

No. N20—Hibbard, Gibbs pattern, with 6½ in. high carbon forged steel hinged blade, malleable fittings, strongly bolted, 4½ ft. hard wood handle with 21 in. lock lever handle and steel rod, w't per doz. 120 lbs, per dozen $40.00

QUARTER DOZEN IN A BUNDLE

CHAMPION LUMBERING TOOLS

SKIDDING TONGS

Octagon Steel, Heavy Upset Points.

Made of the best hammered crucible steel, the swivels, hooks and clevises of best Swedes iron. The steel is upset in these to give the maximum strength at the point where the strain is greatest.

Nos.	N357	N150	N273
Diameter, in...	1	1¼	1½
Opens, in.	24	32	36
W't, pair, lbs..	16	23	27
Per doz. pairs	$106.40	118.50	151.50

No. N178—⅞ in., w't per doz. 150 lbs., otherwise same as No. N357, per dozen pairs $94.00

PACKED LOOSE

DUCK BILL HOOKS

No. 172—Cant hook, for 2½ and 2¾ in. tools, size 1×7/16 in., w't per doz. 24 lbs. .....per dozen $16.80

No. 385—Peavey or can't hook, for 2½ and 2¾ in. tools, size 1¼x¼ in., w't per doz. 35 lbs., per dozen $23.60

PACKED LOOSE

LOADING HOOKS

No. 158—⅞ in. square steel, heavy round upset point, Swedes iron ring, w't per doz. 30 lbs., per dozen $17.20

LOOSE

SWAMP HOOKS

No. 156—1 in. hand hammered octagon steel, heavy round upset points, Swedes iron grab hook and ring, w't per doz. 66 lbs., per dozen $34.80

LOOSE

HOOKABOOM PICKS

No. 377—Steel point, to fit on axe handle, w't per doz. 15 lbs., per dozen $9.20

LOOSE

LOADING AND SNATCH BLOCKS

No. N298—Wrought iron loading blocks, fitted with grab hook, 5x1¼ in. chain sheaves, w't per doz. 150 lbs., per dozen $36.60

PACKED LOOSE

No. N164—Loading and snatch blocks, with self-locking clasp, special ⅝x2¾ in. bolt, 5x1¾ in. iron sheave, Swedes iron round swivel hook, w't per doz. 144 lbs., per dozen ...$55.40

PACKED LOOSE

PIKE POLES

Select second-growth ash, seamless steel ferrule, hand forged crucible steel pike and hook, made from one piece.

Nos.	E134	E135	E136
Length, ft.	12	14	16
W't per doz., lbs.	85	100	110
Per dozen	$54.20	65.40	83.50

HALF DOZEN IN A CRATE

TIMBER GRAPPLES

No. N125—2½ in. malleable iron clamp, ⅝x⅜ in., opens 16 in., crucible cast steel hooks, hung with swivel hinge, select rock maple handles, length 4 ft., w't per doz. 120 lbs., per dozen $53.30

HALF DOZEN IN A CRATE

TIMBER GRAPPLE HANDLES

No. N220—Extra handles for timber grapples, 4 ft. long, w't per doz. 40 lbs. .....per dozen $12.00

TWO DOZEN IN A BUNDLE

PIKE POLE HANDLES

Select Second-Growth White Ash.

No. E217—Feet	12	14
Diameter, in.	1⅜	1½
W't per doz., lbs.	70	85
Per dozen	$39.30	48.00

HALF DOZEN IN A BUNDLE

PIKE POLE PIKES

No. 205—Straight pike, with hook and threaded shank, w't per doz. 10 lbs., per dozen $13.20

PACKED LOOSE

PIKE POLE FERRULES

No. 207—Polished seamless ferrules, w't per doz. sets 5 lbs., per dozen sets $6.00

PACKED LOOSE

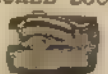
CANT HOOK CLASPS

Hand Forged Steel.

No. 180—2½ in., w't per doz. 12 lbs., per dozen $9.20

No. 181—2¾ in., w't per doz. 13½ lbs., per dozen $10.00

PACKED LOOSE



Malleable Iron.

No. 183—2½ in., w't per doz. 12 lbs., per dozen $7.60

No. 184—2¾ in., w't per doz. 13½ lbs., per dozen $9.00

PACKED LOOSE

CAN'T HOOK TOE RINGS

FORGED STEEL

No. 185—2½ in., w't per doz. 4 lbs., per dozen $4.40

No. 186—2¾ in., w't per doz. 4 lbs., per dozen $4.40

MALLEABLE IRON

No. 187—2½ in., w't per doz. 4 lbs., per dozen $2.70

No. 189—2¾ in., w't per doz. 4 lbs., per dozen $4.30

LOOSE

No. 188—Malleable iron extension, for 2½ in. tools, w't per doz. 6½ lbs., per dozen $4.30

PACKED LOOSE

SWIVEL HOOKS

No. 627—Evener swivel grab hook, of 1 in. steel with ⅝ in. ring and hand ring .....per dozen $23.00

LOOSE

STORE LADDERS

For Factory Shipment Only

MYERS

Clear Georgia pine ladder. Varnished. Open panel sides, 5 inches wide. Malleable iron dowel tees support each step on both ends. Fixtures malleable iron. Self-adjusting trolley with 3-inch anti-rattler wheel with cushion rubber tires and turned steel bearings. Double angle steel track suspended from ceiling by lag screws. Complete with clamp, bracket and end stops.

The floor wheel or travelers are 5 inches in diameter, composed of metal sides with cushion rubber tires, clamped in such a position that they cannot become loose. They run on a steel axle without friction or noise.

Myers Ladder Complete

Width of ladder, 12 inches. Width of steps, 5 inches.

Each

Average shipping weight each, 50 lbs (any length ladder)... $29 00

Myers Steel Trolley Track

Per foot

Complete with hangers. Weight per foot, 2 lbs.....$0.80

Rubber Tires for Track and Floor Wheels

Each

Weight each, ¼ lb $0.65

Floor Wheel Complete

Weight each, 1 lb $1 40

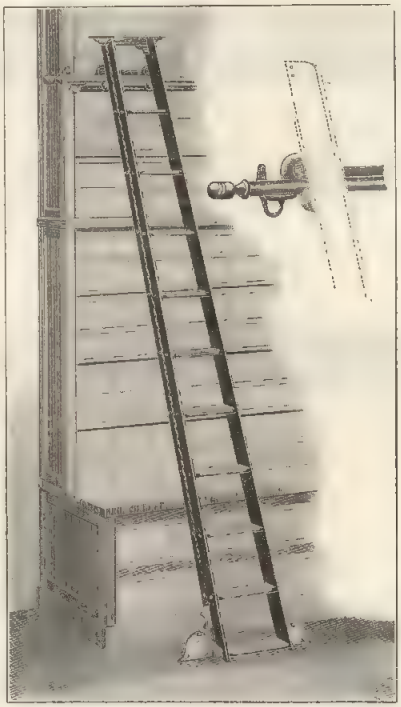
Upper Trolley Complete

Weight each, 20 lbs $12 50

Directions for Ordering Myers Store Ladders

Give exact height to ceiling and length of each track. If height of ceiling varies give height of ceiling at each end and center of each run of track.

CHICAGO



STRAIGHT. TROLLEY TYPE

Made of yellow Georgia pine with plain sides, or natural finish oak with ornamental open work sides. Japanned mountings. Consists of two wheels each at top and bottom. Track is open, permitting the use of large wheels. A special device prevents tipping of ladder, and it cannot possibly get off the track.

When so ordered the Chicago Ladders are made to turn corners or follow any crooked or curved track.

No. 9—

Each

Yellow Pine, Natural Finish, with plain sides. Shipping weight, 50 lbs. each $34 00

Selected Oak, Natural Finish, with ornamental open work sides. Shipping weight, 50 lbs. each 48 00

Per foot

Double Steel Track for Chicago Ladders, with wood center, complete with hangers, screws, etc. Weight per foot, 1 lb. $0.60

Wood ceiling strips.....20

Curves for track .....Extra 6.00

To order the Chicago Ladders, give the height of ceiling, length of each track and number of ladders wanted for each run. State whether ceiling is plastered, wooden ceiling or open joists. Ceiling strips will only be sent when expressly ordered. Any suitable strip of wood, five inches wide, will answer the purpose, and can usually be supplied by the customer and saves the freight.

STORE LADDERS

BICYCLE

For Factory Shipment Only

FURNISHED EITHER BENT OR STRAIGHT, FOR FLOOR OR BASE SHELF

Noiseless steel track on either base shelf or floor, supports the entire weight of ladder and operator, relieving all liability of ladder falling or shelves sagging. Turned pole at top guides the upper end of ladder in moving it. Top of ladder has two hooks which fit over pole, preventing it from tipping backward. Fitted with extra wide top shelf for convenience in handling stock.

Prices are for ladders 10 foot and under. For ladders over 10 foot add $2 00 per foot.

No. 1—For Base Shelf or Floor.

Yellow Pine, Natural Finish

Mountings	Type	Shipping wt.	Each
Japanned	Straight	40 lbs.	$32 00
Japanned	Bent	40 lbs	34 00
Nickel plated	Straight	40 lbs	36 00
Nickel plated...	Bent	40 lbs	38 00

Selected Oak, Natural Finish

Mountings	Type	Shipping wt	Each
Japanned	Straight	40 lbs	$38 00
Japanned	Bent	40 lbs	40 00
Nickel plated	Straight	40 lbs	42 99
Nickel plated	Bent	40 lbs	44 00

Three Bicycle Ladders for corners, for either base shelf or floor, including one section of bent pole.

	Each
Advance over above, per ladder	$5.00
Additional bent poles	2 00

TRACK FOR BICYCLE LADDER, BASE SHELF OR FLOOR

	Wt per ft.	Per foot
Plain steel rail and special pole with black japanned brackets	½ lb	$0.60
Plain steel rail and special pole, with nickel plated brackets	½ lb	70
Noiseless rail and special pole, with black japanned brackets	½ lb	70
Noiseless rail and special pole with nickel plated brackets	½ lb	80
Nickel plated rail and special pole with nickel plated brackets	½ lb	.80

Track prices quoted include rail for bottom and guide pole for top, complete with all necessary brackets, screws, pole ends, etc finished ready to put up with a screw driver.

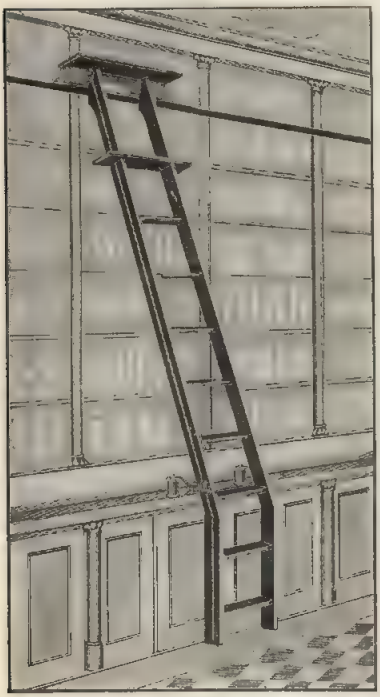
HOW TO ORDER BICYCLE OR IOWA LADDERS

Refer to cut on this page and give the following measurements: D to C, D to A; A to B; B to S, B to S feet and B to S inches. State length of track wanted and the number of uprights of all kinds in the shelving, and say what they are, whether solid uprights, partition boards, turned spindles or whether iron brackets are used to support the shelving. Be sure and send both a front view and the end view diagram of your shelving and tell us all you can about it. The more we know of your shelving the better we can serve you.

STORE LADDERS

For Factory Shipment Only

IOWA



No. 5

Bent or Straight for Base Shelf

Made from selected hardwood, bent or straight, with nickel plated or japanned mountings. Smooth steel track. Accurately turned and deeply grooved wheels. Roller fenders at base shelf are heavily rubber clad and mounted with adjustable bearings, making the operation of ladder smooth and noiseless. Provided with two wide shelves at top of ladder

Prices are for ladders 10 foot and under. For ladders over 10 foot, add $2.00 per foot.

Yellow Pine, Natural Finish

No. 5— Mountings	Type	Each
Japanned	Straight	$32.00
Japanned	Bent	34 00
Nickel Plated	Straight	36 00
Nickel Plated	Bent	38 00

Selected Oak, Natural Finish

Mountings	Type	Each
Japanned	Straight	$38 00
Japanned	Bent	40 00
Nickel Plated	Straight	42 00
Nickel Plated	Bent	44 00

Shipping weight, 40 lbs each.

Track for No. 5 Ladder

Mountings	Wt foot	Per foot
Japanned	½ lb	$0.60
Nickel Plated	½ lb	1.00

AUTO

No. 7 Auto

Straight. For Floor

This ladder used where it is not desirable to have track on the floor. It is guided by upper guide alone. The hooks are arranged to slide in a slot so as to adjust themselves automatically to the position of the pole, permitting the bottom of the ladder to be pulled out from the shelving for easy climbing, or to be pushed up close to be out of the way. Adapted for short runs and cramped places where room is limited. Nickel plated or japanned finished mountings, provided with smooth treads to run on bare floor. This ladder can be equipped with a "disengager," without extra charge so it can be easily shifted from one track to another.

Selected Oak, Natural Finish

No. 7—For Base Shelf or Floor

Mountings	Type	Each
Japanned	Straight	$38.00
Nicked plated	Straight	42.00

Shipping weight, 40 lbs. each

Track for No. 7 Ladder

Mountings	Wt. foot	Per foot
Japanned	½ lb	$0.50
Nickel plated	½ lb.	.60

WRENCHES

Prices on Application

Hibbard KNIFE HANDLE

Forged steel bar through end of handle, case hardened jaws, two rivets in handle.

Nos.	146	148	1410
Length, in.	6	8	10
Opening, in.	⅞	1¼	1⅝
Doz. in a box	½	½	½
W't, doz., lbs.	9	16	26
Per dozen	*$15.00*	*18.00*	*22.00*

Nos.	1412	1415	1418
Length, in.	12	15	18
Opening, in.	2	2 5/16	3¼
Doz. in a box	½	½	½
W't, doz., lbs.	38	55	80
Per dozen	*$28.00*	*38.00*	*48.00*

COE'S STANDARD

Forged steel bar, head and screw, hardwood knife handle.

Nos.	108	108
Length, in.	6	8
Opening, in.	⅞	1¼
Doz. in a pkg.	½	½
W't per doz., lbs.	8½	16
Per dozen	*$15.00*	*18.00*

Nos.	1010	1012	1015
Length, in.	10	12	15
Opening, in.	1⅜	2⅛	2½
Doz. in a pkg.	½	½	½
W't, doz., lbs.	26	38	56
Per dozen	*$22.00*	*28.00*	*38.00*

Nos.	1018	1021
Length, in.	18	21
Opening, in.	3⅛	4
Doz. in a pkg.	½	½
W't per dozen, lbs.	81	108
Per dozen	*$48.00*	*58.00*

P. S. & W. CO.'S SOLID HANDLE

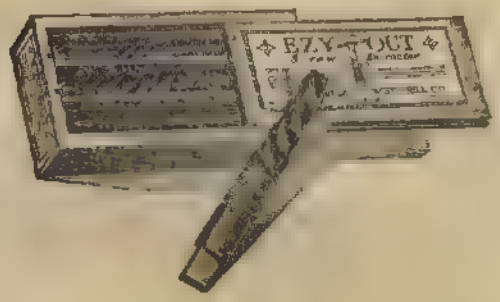
One piece, solid steel forging, case hardened, oil finished hardwood riveted handle, warranted.

Nos.	866	868	8610
Length, in.	6	8	10
Opening, in.	⅞	1¼	1⅝
Doz. in a box	½	½	½
W't, doz., lbs.	9	16	26
Per dozen	*$15.00*	*18.00*	*22.00*

Nos.	8612	8615
Length, in.	12	15
Opening, in.	2⅛	2 5/16
Doz. in a box.	½	½
W't per doz., lbs.	38	55
Per dozen	*$28.00*	*38.00*

Nos.	8618	8621
Length, in.	18	21
Opening, in.	3⅛	4
Doz. in a box	½	½
W't per doz., lbs.	80	126
Per dozen	*$48.00*	*58.00*

"EZY-OUT" SCREW EXTRACTORS



The removal of a broken screw has been one of the meanest of all repair jobs, and in proportion to its size, it may be one of the most expensive of breaks. Heretofore its removal has often required hours of aggravating labor—principally because the mechanic has never had anything but make-shift tools for the work.

In the "Ezy-Out" Screw Extractor, you have a tool expressly designed for the quick and easy removal of broken set and cap-screws, studs, stay-bolts, pipe fittings, etc.

Instead of fussing for hours with files and punches or drifts—as in the past—merely drill a hole in the broken screw and insert the proper size "Ezy-Out" Screw Extractor—twisting it as though tapping with a left-hand tap. The twist forces spirals to grip the sides of the drilled hole and then, as additional force is brought to bear on the tap wrench, the screw begins to "come" out—after which it is an easy matter to spin it out on its own threads just as if it had never broken off at all.

The simplicity of the job, is in direct contrast to the aggravations accompanying the time-honored, tedious method of the past. The whole operation now need consume but a fraction of the time hitherto required, and it is accomplished without endangering the threads of the hole.

They are the only tool designed solely for this work, and they quickly repay their owner, many times over, in time, trouble, tools and production saved.

No. 6590—"The Garage Set" containing extractors No. 1 to 6 inclusive as described below .....per set **$8.00**

Size No.	Diam. at Small End	Diam. at Large End	Length of Flute	Length Over All
1	1/10	3/32	⅜	2
2	3/32	5/16	⅝	2⅜
3	⅛	⅜	1	2 1/16
4	5/16	11/32	1⅛	3
5	¼	7/16	1⅜	3⅜
6	⅜	15/32	1⅝	3¾

NOTE—The best results will be obtained by using the largest "Ezy-Out" Screw Extractor possible for any given screw.

PACKED 1 SET IN A BOX, W'T EACH ¾ LBS.

ADJUSTABLE "S" WRENCHES

B. & C. WESTCOTT PATTERN, forged steel, japanned, polished jaws and edges adjustable.

Nos.	486	488	4810
Length	6	8	10
Opening, in.	1	1⅛	1½
W't, doz., lbs.	6	12	24
Per dozen	$8.00	10.00	12.00

Nos.	4812	4814
Length, in.	12	14
Opening, in.	1⅝	2⅛
W't per doz., lbs.	36	57
Per dozen	$18.00	24.00

HALF DOZEN IN A BOX

ADJUSTABLE WRENCHES

B. & C. STRAIGHT HANDLE

Adjustable wrenches, forged steel, japanned, polished jaws and edges.

Nos.	756	758	7510
Length, in.	6	8	10
Opening, in.	1	1⅛	1½
W't, doz., lbs.	6	12	20
Per dozen	$8.00	10.00	12.00

HALF DOZEN IN A BOX

Carry a line of goods upon which you can rely.

The dealer who carries H. S. B. & Co. Brands marks his store as a place where the better goods are sold.

A house with over sixty-seven years' perience stands back of our brands.

ADJUSTABLE WRENCHES

Prices on Application

CRESCENT, single end, forged steel ribbed handle, special steel jaws, hardened, tempered and polished, 22½ degree angle engineer's wrench.

Nos.	504	506	508
Size, in.	4	6	8
Opening, in.	⅝	¾	15/16
W't per doz., lbs.	1½	4	8
Per dozen	$7.80	7.80	9.60

Nos.	5010	5012	5015	5018
Size, in.	10	12	15	18
Opening, in.	1⅛	1 5/16	1 11/16	2 1/16
W't, doz., lbs.	15	24	52	84
Per dozen	$12.00	18.00	27.00	39.00

STOCK REPAIRS

Jaws.

Nos.	54	56	58
Size, in.	4	6	8
Per dozen	$3.00	3.00	3.60

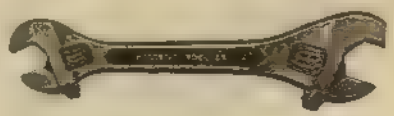
Nos.	510	512
Size, in.	10	12
Per dozen	$4.00	7.20

Thumb Knurls.

For size, in.	4	6	8	10	12
Per dozen	$1.20	1.20	1.44	1.80	2.40

Pins.

Size, in.	4	6	8	10	12
Per dozen	$0.60	.60	.60	.60	1.20



CRESCENT, double end, forged steel, ribbed handle, special steel jaws, hardened, tempered and polished, 22½ degree angle engineer's wrench.

Parts are interchangeable with Crescent single end wrenches.

No.	68	80
Size, in	8	10
Opening, in.	⅜&15/16	15/16&1⅛
W't per doz., lbs.	8½	15
Per dozen	$15.00	18.00

ONE IN A BOX

Our Very Best is the Very Best.

GENERAL PURPOSE WRENCHES

Drop forged steel, semi-finished, case hardened.

Nos.	475T	477T	479T
Size bolts, in.	¼ to ½	½ to ⅝	⅝ to ¾
Openings, in.	½&⅝	⅝&¾	¾&⅞
Length, in.	6½	7½	8½
W't per doz., lbs.	2	3½	6½
Per dozen	$3.24	4.08	5.16

Nos.	481T	483T
Size bolts, in.	½ to ⅞	⅞ to 1
Openings, in.	¾&⅞	⅞&1⅛
Length, in.	9½	10½
W't per doz., lbs.	9½	14
Per dozen	$6.60	8.40

LIGHT CAP SCREW WRENCHES

Semi-finished, drop forged, double head, 15 degree angle, for Hexagon Head Cap Screws.

Nos.	721	723	723A
Size, Screws	1/8&¼	¼&⅜	⅜&½
Openings, milled	¼&⅜	⅜&½	½&⅝
Thickness, head	¼	⅜	⅜
Extreme length, in.	3½	4	4
W't, doz., lbs.	1	1½	1½
Per dozen	$2.04	2.52	2.52

Nos.	725	725A	725B
Size Screws	⅛&⅜	¼&½	⅜&⅝
Openings, milled	⅛&⅜	¼&⅝	⅜&⅞
Thickness, head	⅜	⅜	⅜
Extreme length, in.	4½	4½	4½
W't, doz., lbs.	2½	2½	2½
Per dozen	$3.00	3.00	3.00

Nos.	727	729	731
Size Screws	⅛&⅞	⅛&½	⅛&⅝
Openings, milled	⅜&½	½&⅝	⅝&⅞
Thickness, head	⅛	⅛	⅛
Extreme length, in.	5½	6½	7½
W't per doz., lbs.	5	6	8½
Per dozen	$3.72	4.44	5.40

Nos.	731A	32	33C
Size Screws	⅛&⅝	⅛&⅞	⅛&1⅛
Openings, milled	½&⅞	⅝&⅞	1⅛&1
Thickness, head	⅛	7/16	7/16
Extreme length, in.	7½	8½	8½
W't per doz., lbs.	8½	9	9
Per dozen	$5.40	6.60	6.60

PACKED LOOSE

CHECK NUT OR THIN WRENCHES

WILLIAMS

Semi-finished drop forged, double head, 15 degree angle, milled for U. S. Standard nuts and cap screws.

Nos.	623	625	627
Size bolts, in.	⅛&¼	¼&⅜	⅜&½
Openings, milled	⅛&¼	¼&⅜	⅜&½
Thickness, head	3/32&⅛	⅛&¼	¼&5/16
Extreme length, in.	4⅜	4⅜	5½
W't, doz., lbs.	1¼	1¾	3
Per dozen	$3.00	3.00	3.84

Nos.	629	631
Size bolts, in.	½&⅝	⅝&¾
Openings, milled	½&⅝	½&¾
Thickness, head	5/16&⅜	⅜&½
Extreme length, in.	6¼	6¼
W't per doz., lbs.	5	5
Per dozen	$4.80	4.80

B. & C. Pattern, Bright, with Long Nut.

Nos.	4510	4512	4515
Inches	10	12	15
Opening, in.	2⅜	3¼	3½
For pipe, in.	¾ to 1	¾ to 1½	¾ to 2½
W't per doz., lbs.	29	43	58
Per dozen	$30.00	36.00	48.00

HALF DOZEN IN A BOX

TRIMO PIPE CUTTERS

Drop forged, cast steel handle with iron grip, case hardened, rolls on pins, with cutter and two rollers.

Nos.	551	552	553
Sizes	1	2	3
Length, in.	15	18	19
For pipe, in.	⅛ to 1½	⅛ to 2	1½ to 3
W't, doz., lbs.	60	66	84
Per dozen	$54.00	72.00	120.00
Extra cutters	$4.80	4.80	6.00

LOOSE

GENUINE TRIO PIPE WRENCHES

Prices on Application

Drop forged bar steel hardened jaws and frame, insert jaw and frame fastened to handle with movable pin, with nut guard to hold in place, japanned handle, polished head and jaws.

Hardwood Handle.

Nos.	226	228	2210	2214
In.	6	8	10	14
For pipe, in.	⅛ to ½	⅛ to ¾	⅛ to 1	⅛ to 1½
W't, doz., lbs.	6	9	19	40
Per dozen	$24.00	27.00	30.00	42.00

HALF DOZEN IN A CASE

Solid Steel Handle.

Nos.	256	258	2510	2514
In.	6	8	10	14
For pipe, in.	⅛ to ½	⅛ to ¾	⅛ to 1	⅛ to 1½
W't, doz., lbs.	6	9	19	40
Per dozen	$24.00	27.00	30.00	42.00

Nos.	2518	2524	2536	2548
In.	18	24	36	48
For pipe, in.	⅛ to 2	⅛ to 2½	⅛ to 3½	1 to 5
W't, doz., lbs.	60	96	192	300
Per doz.	$60.00	87.00	162.00	240.00

6 TO 24 IN., HALF DOZEN; 36 AND 48 IN., SIXTH DOZEN IN A CASE

STILLSON PIPE WRENCHES

Drop forged tool steel, hardened jaws and frame, polished shank and frame. Movable steel pin holds frame to handle.

Double Spring, Hardwood Handle.

Nos.	206	208	2010	2014
In.	6	8	10	14
For pipe, in.	⅛ to ½	⅛ to ¾	⅛ to 1	⅛ to 1½
W't, doz., lbs.	6	9	19	38
Per dozen	$24.00	27.00	30.00	42.00

WRENCH ASSORTMENTS

Eighty- four 15 degree angle, double head wrenches in 14 sizes.

SIX EACH OF THE FOLLOWING NOS.

THIN WRENCHES

	Openings, in.
No. 623D	⅛ and ¼
No. 626S	5/16 and ⅜
No. 627	9/32 and 11/16
No. 629E	⅜ and ½
No. 632	25/32 and 31/32
No. 632X	15/16 and 1

ENGINEERS' WRENCHES

	Openings, in.
No. 21	5/16 and 13/32
No. 23	13/32 and ½
No. 725	7/16 and ½
No. 27	19/32 and 11/16
No. 727	9/16 and 11/16
No. 731A	⅝ and ¾
No. 32	25/32 and 31/32
No. 33C	15/16 and 1

No. E1D—Assortment on a 15×24 in. per assortment $37.50

ONE ASSORTMENT IN A BOX.

CROQUET SETS

DELPHIA

PAINTED AND OILED

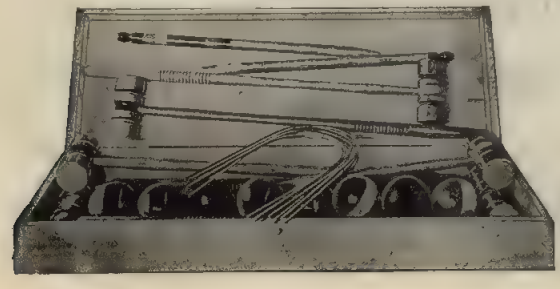
These are the best cheap sets possible to produce for the money. Wickets that Will Not Rust. Good Lock-cornered Boxes, Well Made, with Handle in the Box. Rules for Playing with each Set.

			Per Set		
No. 22 —Eight Balls.	Three sets in a crate.	Weight, per crate, about 60 pounds	$2.25	--	--
No. 21½—Six Balls.	Three sets in a crate.	Weight, per crate, about 53 pounds	2.00	--	--
No. 21 —Four Balls.	Three sets in a crate.	Weight, per crate, about 39 pounds	1.75	--	--

PAINTED AND VARNISHED

Nice Stock. Wickets that Will Not Rust. Good Lock-cornered Boxes, Well Made, with Handle in the Box Great Seller. Rules for Playing with each Set.

			Per Set		
No. 23 —Eight Balls	Three sets in a crate.	Weight, per crate, about 60 pounds	$2.50	---	---



FANCY PAINTED

Painted with Two Bands and Two Stripes. Selected Stock for Mallets and Balls. Good Lock-cornered Boxes, Well Made, with Handle in Box. A Fine Set. Rules for Playing with each Set.

	Per Set		
No. 24—Eight Balls....	$3.00	---	---

Three sets in a crate.
Weight, per crate, about 64 pounds.

CROQUET SETS

DELPHIA

PAINTED AND VARNISHED

Fancy Design 5½-inch Mallets, with Selected Handles. Fancy Stakes Large Wickets, with Sockets. Clean, Neat, Lock-cornered Box, with Handle in the Box. Rules for Playing with each Set.

	Per Set		
No. 25—Eight Balls. Three sets in a crate. Weight, per crate, about 65 pounds.....	$3.50	---	---

PAINTED AND VARNISHED

Fine 8-inch Mallets, with Short, Professional Handles. Nicely Painted and Varnished Plain and Good Set. Lock-cornered Box with Handle in the Box. A Cheap Set for the price. Rules for Playing with each Set.

	Per Set		
No. 028—Eight Balls. Three sets in a crate. Weight, per crate, about 79 pounds	$5.00	---	---
No. 26½—Six Balls Three sets in a crate. Weight, per crate, about 63 pounds	4.00	---	---
No. 26 —Four Balls. Three sets in a crate. Weight, per crate, about 46 pounds.	3.00	---	---

FANCY PAINTED

Selected Wood Mallets 6 inches long, Choice Balls. Fancy Stakes. Large Wickets, with Sockets. Lock-cornered Box. A Very Popular Set. Rules for Playing with each Set.

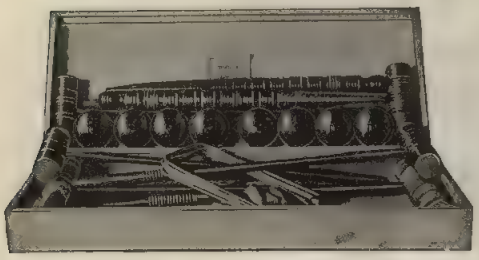
	Per Set		
No. 27—Eight Balls.....	$6.00	---	---

Three sets in a crate.

Weight, per crate, about 76 pounds.

CROQUET SETS

DELPHIA



FANCY PAINTED

A Fine Set for the Lawn. Mallets 6 inches long. Large Stakes. Special Wickets, with Sockets. Neat Lock-cornered Box with Handle in the Box. Rules for Playing in each Set. Good Seller.

	Per Set		
No. 28.....	$7.00	---	---

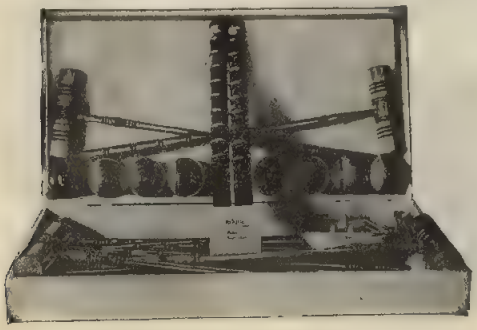
Three sets in a crate.

Weight, per crate, about 74 pounds.

SHELLAC POLISHED

A Fine Finished, Durable Set—no paint or varnish 7-inch Mallets with Polished Professional Handles. Choice Selected Maple Balls Large Stakes, Sockets, etc Neat Lock-cornered Box with Handles on Box Rules for Playing in each Set.

	Per Set		
No. 29 Eight Balls. Three sets in a crate. Weight, per crate, about 88 pounds.....	$8.00	---	---



PROFESSIONAL CLUB

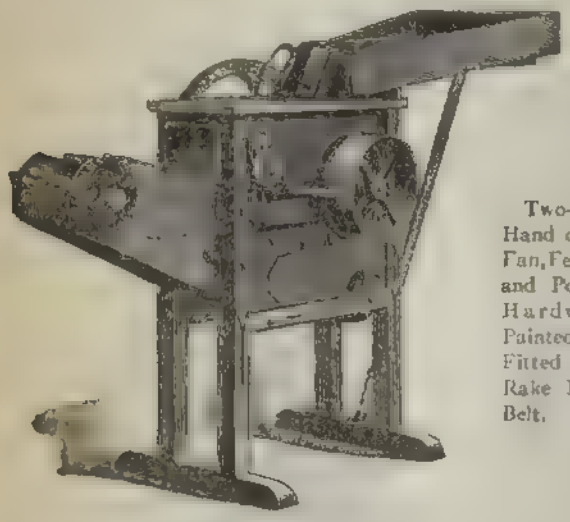
Long 8-inch Mallets with Polished Professional Handles. Mallets and Balls made of the Best Selected Sugar Maple and Wrapped in Fine Tissue Paper. Mallets Painted with One Wide Band and Six Small Stripes. Fancy Beaded Stakes The Best Set that can be made of Native Wood. Very Popular with the people. Neat Lock-cornered Box with Handles or Box. Rules for Playing in each Set.

	Per Set		
No. 30 -Eight Balls. Three sets in a crate. Weight, per crate, about 96 pounds.....	$9.00	---	---
No. 31—Four Balls. Three sets in a crate. Weight, per crate, about 97 pounds.....	7.00	---	---

CORN SHELLERS

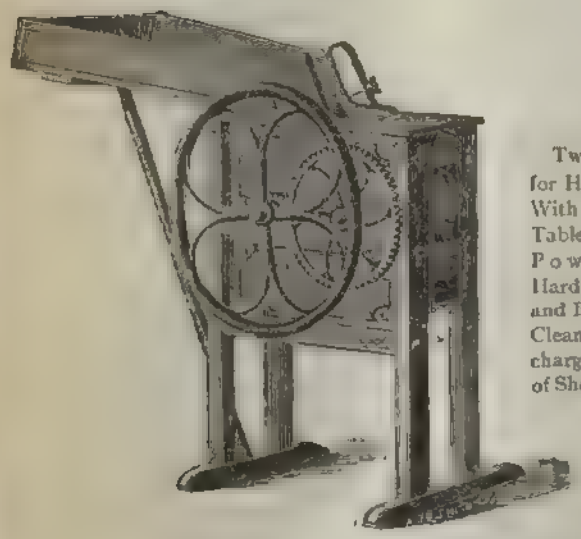
EAGLE

These Shellers are Closely Mortised, Full Bolted and Well Finished; the Wood is Perfectly Seasoned and will not Crack nor Warp. The Frames are Rigid and will not Rock Loose. They are Easy Running and Rapid Shellers.



Two-hole Sheller; for Hand or Power; with Fan, Feed Table, Crank and Power Pulley; Hardwood Frames Painted and Varnished; Fitted with Wire Cob Rake Run by Chain Belt.

	Each
✣No. B—Two-hole, with Crank, 12x3½ inch Pulley, Feed Table and Fan; 1 1/16 inch Wrought Shafts; Babbited Bearings; Speed of Fly Wheel About 350 Revolutions per Minute; Capacity 300 to 500 Bushels per Day; Height 4½ feet; Floor Space 3x6 feet; Weight Each 310 lbs. One in a Crate	$67 00



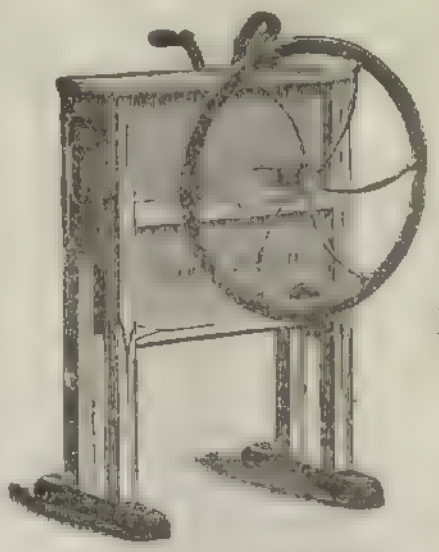
Two-hole Sheller for Hand or Power. With Fan, Feed Table, Crank and Power Pulley; Hardwood Frame and Box, Shells Cob Clean and Discharges It at End of Sheller.

	Each
✣No. A—Two-hole with Crank, 12x3½ inch Pulley, Feed Table and Fan, 1 1/16 inch Wrought Shafts, Hardwood Frame, Babbited Bearings, Painted and Varnished, Speed of Fly Wheel About 350 Revolutions per Minute; Capacity 200 to 300 Bushels per Day; Height 4½ feet, Floor Space 2½ x 4½ feet; Weight Each 260 lbs. One in a Crate	$62 00

CORN SHELLERS

EAGLE

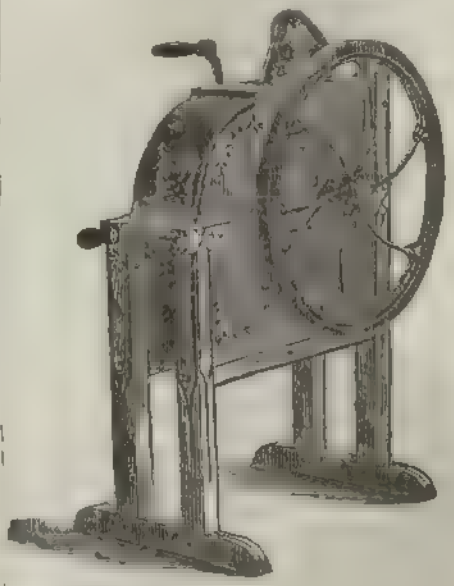
These Shellers are Closely Mortised, Full Bolted and Well Finished; the Wood is Perfectly Seasoned and will not Crack nor Warp. The Frames are Rigid and will not Rock Loose. They are Easy Running and Rapid Shellers.



One-Hole Sheller with End Delivery

Steel Spoke Balance Wheel, Malleable Gearing, Large Throat to Receive Corn

	Each
No. 2—Without Fan, Feed Table or Pulley. Weight Each 210 lbs. One in a Crate	$31 50
	Each
No. F2—Feed Tables for No. 2 Shellers	$2 50
✣No. F2—Fan for No. 2 Sheller	4 00
✣No. P2—Pulley for No. 2 Sheller Loose	3 00



IMPROVED

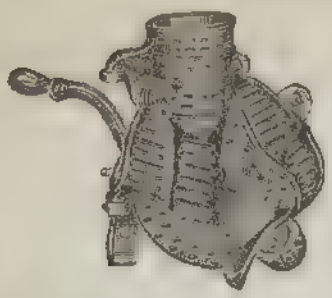
A Perfect Sheller and Separator

Heavy Steel Spoke Balance Wheel; Light Running Inside Gearing. Adjustable Spring to Receive and Shell any Size Ear of Corn.

	Each
No. 3—Without Fan, Feed Table or Pulley. Weight Each 130 lbs. One in a Crate	$31 50
No. F13—Feed Tables for No. 3 Shellers	2 50
✣No. F3—Fan for No. 3 Sheller	4.00
✣No. P3—Pulley for No. 3 Sheller Loose	3 00

Items Marked ✣ Not Carried in Stock and Can Be Furnished Only by Shipping Direct from Factory F. O. B. Lancaster, Ohio.

CORN SHELLERS



PATCH—BLACK HAWK

1903 Model

Shells Field Corn, Seed Corn. Clamps to Barrel, Bin or Box; Capacity 10 to 14 Bushels per Hour; Throws Out the Cob; Japanned Malleable Iron Castings; Hardened Bearings; Chilled Grinders; Adjustable Hopper; Width 3½ inches; Depth 4 inches; Pressure Regulated by Heavy Wire Coil Spring; Steel Axle with 4 inch Bearings; Diameter of Grinding Plate 8½ inches; Width 10 inches; Length of Crank 11 inches.

Per Dozen

No. BH—Weight Each, 19 lbs..... **$58 00**

Half Dozen in a Barrel; Weight per Barrel, 113 lbs.

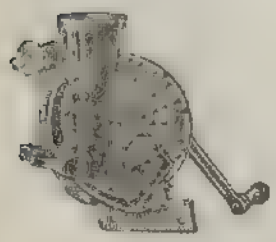
PATCH—PONY

Shells Field Corn and Seed Corn; Fastens to Barrel, Bin or Box; Capacity 6 to 10 Bushels per Hour; Throws Out the Cob. Japanned Malleable Iron Castings; Hardened Bearings 4½ inches Long; Steel Axle; Chilled Grinders; Adjustable Hopper; Width 3¼ inches; Depth 4 inches; Pressure Regulated by Heavy Wire Coil Spring; Diameter of Grinding Plate 7¼ inches, Studded with ⅛ inch Oval Teeth; Length Over All 10 inches; width 8½ inches; Length of Crank 9¾ inches.

Per Dozen

No. PP—Weight Each, 14 lbs..... **$49.50**

One Dozen in a Barrel; Weight per Barrel, 175 lbs.



EASY

Shells Field Corn; Seed Corn and Pop Corn; Fastens to Barrel, Bin or Box; Capacity 5 Bushels per Hour; Japanned Iron Castings; Hardened Bearings; Chilled Grinders; Adjustable Hopper; Width 3 inches, Depth 3½ inches; Pressure Regulated by Heavy Wire Coil Spring; Diameter of Grinding Plate 8 inches; Studded with ⅜ inch Teeth; Length Over All 11¼ inches; Width 10 inches; Length of Crank 7¼ inches.

Per Dozen

No. E—Weight Each, 12 lbs..... **$30 50**

Two Dozen in a Barrel; Weight per Barrel 313 lbs.

EAR CORN SLICERS

EAGLE

TWO HOLE

For Slicing up Ear Corn for Feeding Cattle, Milch Cows and Calves; Prepares Ear Corn in Manner Best Suited to the Animal at Less Expense and More Rapidly Than Any Other Method. Sliced Ear Corn Provides the Needed Amount of Roughness to Promote Digestion and Perfect Assimilation Machine can be Run by Hand Power and Cuts at the Rate of 40 Bushels per Hour.

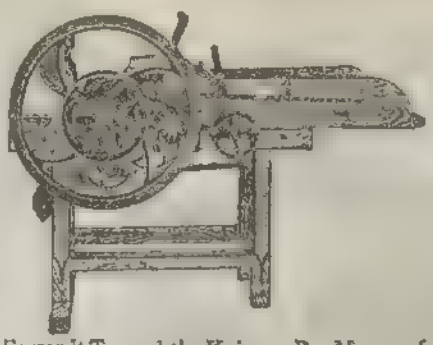
Just the Thing for Soft Corn

Each

✣**No. 36**—Weight Each 200 lbs . **$65 50**

One in a Crate

FEED CUTTERS



The Frames are Made of Seasoned, Selected Hardwood; Varnished, Well Braced and Put Together with Joint Bolts. The Shafts are Cold Rolled Steel, with Babbited Boxes for Bearings. The Knives are Steel Laid, Bolted on Strong Recessed Knife Arms.

The Feeding Device Consists of Two Cast Iron Rollers, the Bottom One Turned Smooth, the Top One has Cone Shaped Projections which Grasp the Feed and Forces it Toward the Knives. By Means of a Lever on Power Machines the Feed Rollers can be Stopped or Started in a Moment.

Hand or Power; Cuts ½, ¾ and 1½ inches.

Each

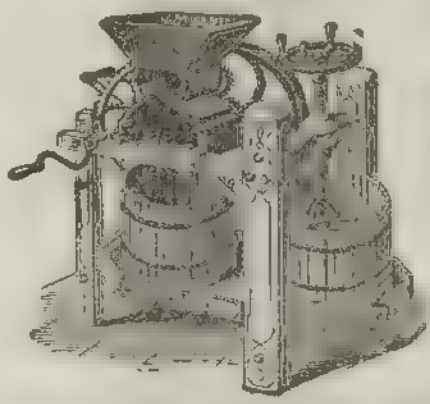
✣**No. 12½**—Heavy Safety Balance Wheel; 12-inch Clamp Pulley 4-inch Face; Two Heavy 11 inch Knives; Weight Each 275 lbs.. **$74.00**

One in a Crate

CIDER MILLS

EAGLE

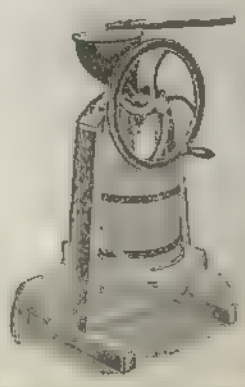
Heavy Frame; Very Strong and Durable; Adjustable Crusher; Large Tubs; Geared Outside; Smooth and Light Running.



Varnished Hardwood Frame, Hopper, Bottom and Other Parts. Painted Cast Iron Yoke, Balance Wheel and Press Wheel; Steel Shafts; Steel Press Screw, with Cast Iron Swivel End and Top Wheel; Cast Iron Roll Casing Painted, with One Plain and Two Corrugated Adjustable Rolls, Triple Geared; Cast Iron Japanned Crank, with Hardwood Handle on Medium and Smaller; Two Plain Hardwood Heavy Stave Tubs, with Riveted Japanned Wrought Iron Bands ⅛ inch Thick; Two Octagon Sliding Hardwood Base Boards and Hardwood Pressure Boards; One Malleable Wrench and One Lever Bar. Both Crushing Rolls Run at the Same Speed, Crushing the Fruit Thoroughly and Producing the Maximum of Juice. Mills are Perfectly Adjusted and May Be Operated Without Crushing the Seeds.

	One Crank	One Crank	Two Cranks
Nos.	JR	M	SR
Height, Posts, inches	36	40	46
Hopper, Inside, inches	12x13	14x14	13x15
Tubs, Inside, inches	10x10½	12x12	14x15½
Press Screw, inches	1⅛x18½	1⅛x20½	2x22
Fly Wheel, inches	16	17	22½
Floor Space, inches	20x34	22x35	45 29x
Capacity, Barrels, per Day	2 to 4	3 to 6	6 to 10
Weight Each, lbs	190	233	420
Each	**$56 00**	**70.50**	**100.00**

One in a Crate



HUTCHINSON

Family Size

Varnished Hardwood Uprights, Strongly Mortised and Bolted; Painted Cast Iron Hopper; Black Crank Wheel; Steel Pressure Screw, with Wrought Iron Top and Hickory Handle; Plain Hardwood Stave Tub with Riveted Wrought Iron Japanned Bands, ⅛ inch Thick.

Each

No. OH—Capacity of Hopper 4 Quarts; Size 10x7½ inches; Tub 12 inches in Diameter, 12 inches Deep; Crank Wheel 16 inches in Diameter, Press Screw 25x1¼ inches; Floor Space 18x20 inches; Weight Each 125 lbs... **$31.50**

One in a Crate

Items Marked ✣ Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory, Lancaster, Ohio.

BONE MILLS

STEARNS

For Cutting Green and Dry Bones, Meats, Vegetables, Shells, Roots, Barks, Etc., for Poultry. They Cut Clear Soft Meat, Cords, Sinew, Gristle or the Hardest Bone, without Chunks or Splinters. Strongly Built, to Stand the Hardest and Longest Use.

Automatic Adjustable Feed; For Coarse or Fine Grinding; Self Cleaning; For Hand or Power.

Drop Forged Bessemer Steel Cutter Head, Carbonized and Hardened in Oil, Packed in Granulated Bone; Cold Rolled Steel Shaft; Wrought Steel Round Side Rods; Cast Iron Hopper, Hopper Ring, Base, Wheel and Crank Black Japan Finish.

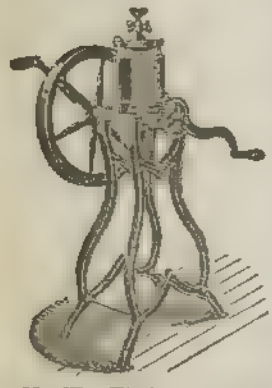
Green Cut Bone, Properly Fed, will Make Poultry Pay. It will Give Strong, Vigorous Chicks, will Promote their Rapid Growth and Reduce the Liability of Disease. It increases the Number of Eggs, while Decreasing their Cost. It is the Only Food that will Make the Raising of Poultry a Complete Success. By its Use Net Profits are Increased.

FOR ONE OR TWO MEN OR POWER

Hopper Revolves by Means of Pawls Working in a Ratchet; Automatic Feed; Requires 1¼ Horse Power; Capacity of Hopper 10 lbs.; will Cut 150 to 200 lbs per Hour; Size of Hopper 7¾x7¾ inches; Height Over All 48 inches; Size of Wheel 20x3 inches; Sweep of Handle 33 inches. Spread of Legs 23 inches.

	Each
✣No. 3L—For Power; Weight Each 215 lbs.	$118 50
✣No. 3L2—For Two Men; with Extra Gear Wheel and Crank Weight Each 277 lbs.	146.50

One in a Crate



BALL BEARINGS

Back Geared Three to One; the Easiest Running and Fastest Green Bone Mill Made; Will Cut the Hardest Bone.

With Governor and Spring Pressure; Automatic Feed.

Capacity of Hopper 3 lbs.; Will Cut 1 lb per Minute; Size of Hopper 7¼x5 inches; Height Over All 45 inches; Size of Wheel 19½x2¼ inches; Sweep of Handle 33 inches; Spread of Legs 22x13½ inches.

	Each
✣No. 7L—With Legs; Weight Each 206 lbs.	$74.50

One in a Crate

Capacity of Hopper 2¼ lbs.; will Cut 1 lb. per minute; Size of Hopper 7⅞x3⅛ inches; Height Over All 4½ feet; Size of Wheel 19x2¼ inches; Sweep of Handle 33 inches; Spread of Legs 22x13½ inches; with Governor and Spring Pressure Automatic Feed.

	Each
✣No. 6L—With Legs; Weight Each 135 lbs.	$68.30
✣No. 6B—Without Legs; to Screw to Bench like No. 4W Weight each 103 lbs.	49 50

One in a Crate

BONE MILLS

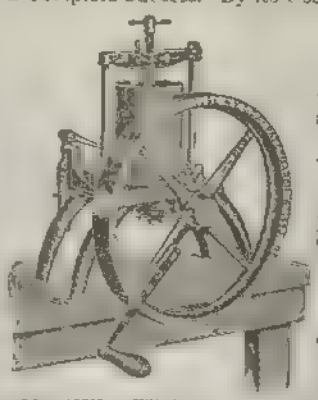
STEARNS.

For Cutting Green and Dry Bones, Meats, Vegetables, Shells, Roots, Barks, Etc. for Poultry. They Cut Clear Soft Meat, Cords, Sinew, Gristle or the Hardest Bone, without Chunks or Splinters, Strongly Built, to Stand the Hardest and Longest Use.

Automatic Adjustable Feed; for Coarse or Fine Grinding; Self Cleaning; for Hand or Power.

Drop Forged Bessemer Steel Cutter Head, Carbonized and Hardened in Oil, Packed in Granulated Bone; Cold Rolled Steel Shaft; Wrought Steel Round Side Rods; Cast Iron Hopper, Hopper Ring, Base, Wheel and Crank Black Japan Finish.

Green Cut Bone, Properly Fed, will Make Poultry Pay. It will Give Strong, Vigorous Chicks, will Promote their Rapid Growth and Reduce the Liability of Disease. It Increases the Number of Eggs, while Decreasing their Cost. It is the Only Food that will Make the Raising of Poultry a Complete Success. By its Use Net Profits are Increased.



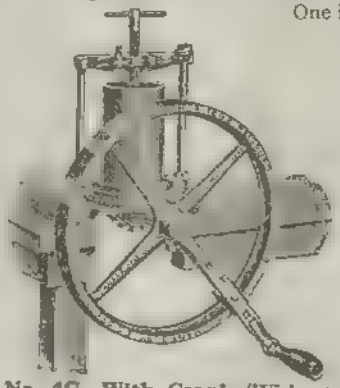
A Strong Medium Priced Machine, which will Cut Bone Enough for a Moderate Flock.

Hopper Revolves by Means of Pawls Working in a Ratchet.

Capacity of Hopper 3 lbs.; Size of Hopper 7⅞x1½ inches; Size of Base 6½x1½ inches; Size of Balance Wheel 15½x2 inches.

	Each
✣No. 2W—Height to Yoke 16 in.; Spread of Legs 16x6 inches; Weight Each 56 lbs.	$14 80
✣No. 4WL—With Legs and Balance Wheels; for Setting on Floor Height to Yoke 10 inches; Spread of Legs 22x13½ inches; Weight Each 100 lbs.	14 80

One in a Crate



Capacity of Hopper 2¼ lbs.; Size of Hopper 7¾x3⅛ inches; Grinds a Hopper Full of Bone in 2 to 3 Minutes; Height to Yoke 10½ inches; Size of Base 11x7 inches.

	Each
No. 4C—With Crank (Without Balance Wheel); Adjustable in Length from 9 to 13¼ inches; Weight Each 28 lbs.	$28 00
No. 4W—With Balance Wheel; 15½x2 inches; Weight Each 46 lbs.	32.00

One in a Crate

FLOUR MILLS

ARCADE

Produces Perfect Flour from Wheat, Corn, Barley, Rye, Rice and all Kinds of Small Grain. Requires but Little Effort and Works Rapidly. Painted Gray, Adjustable Crank with Wood Grip, Screw Clamp, Easily Regulated to Grind Fine or Coarse. Mechanically Correct and Produces Accurate Results.

	Each
No. 1—Height 11 inches; Weight Each 11 lbs.	$6 20

One in a Box

Items Marked ✣ Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory, Syracuse, N. Y.

Prices on Application.

AMERICAN BEAUTY ELECTRIC IRONS

Specify Exact Voltage Wanted. We Can Not Make Shipment Without This Information.

Voltages vary throughout the country. Satisfaction results when the voltage of the Electric Heating Device is in harmony with that of the circuit on which it is used, particularly the voltage of the circuit at the point where the device is connected. Most of our devices are made in the following wide voltage ranges. All electric irons, toasters, water heaters, disc heaters, percolators, tea kettles, curling iron heaters, etc., can be furnished from factory in the following ranges: 95-104, 105-114, 115-125, 190-209, 210-229 and 230-250. Stock items are for 110 and 220 volt circuits, in ordering, always specify the exact voltage of the circuit on which the device is to be used **Each device has its voltage** range stamped clearly on it—on its heating element and iron. If there is any doubt as to whether the particular device you are ordering will fulfill the requirements you have in mind, **you had better first take the matter up with us, for we cannot exchange goods once heated.**

AMERICAN BEAUTY

Stock Voltage 32, 110 and 220.

Represents the highest art of making electric flat irons. Gives perfect satisfaction, because plenty of heat is made and concentrated evenly on the ironing surface.

Guaranteed to be free from inherent electrical or mechanical defects for one year.

Size 6½×3⅜ in., 525 watts, voltage 110 or 220, w't 6½ lbs.

WITH CORD AND PLUG

No. E6½BE—Case lots of 6 irons, each $7.50

No. EE6½BE—Four case lots, 24 irons, each $7.50

No. 6½BE—Less than 6 irons, each $7.50

WITH CORD BUT NO ATTACHMENT PLUG

No. 06½BE—32 volts, for farm lighting plants, each $8.00

No. 9016E—Extra element for 110 and 220 volt irons, each $2.75

No. F19016E—Extra element for 32 volt irons, each★ $3.25

ONE IN A CARTON; SIX IN A CASE

LITTLE BEAUTY

Perfect for light ironing, such as handkerchiefs and laces, it is most attractive to travelers who so often wish to do their own ironing rather than trust small, delicate and choice articles to an unknown laundry. Another useful feature is the curling iron stand which comes with every iron. Curling iron tongs can be slipped into the stand and heated quickly. Curling iron tongs are not included.

Size 5¼×3⅛ in., 350 watts, voltage 110 or 220, w't 8 lbs., complete with cord and plug.

No. EE3BE—Four case lots, 24 irons, each $7.00

No. E3BE—Case lots of 6 irons, each $7.00

No. 3BE—Less than 6 irons, each $7.00

No. F9013E—Extra element for 110 and 220 volt irons, each★ $2.75

ONE IN A CARTON; SIX IN A CASE

In Ordering New Elements to Replace Ones Burned Out, it will be Necessary to Return Old Elements if Replacement is to be Made No Charge.

AMERICAN

Not furnished with attachment plug. They should be wired direct to the circuit and operated by a switch.

These are very large and are designed for the use of manufacturers, and made to give a large volume of heat, for heavy work of all kinds.

No. F9BE—Standard Laundry, size 7⅞×4½ in., 675 watts w't 9 lbs.★ ..... each $9.50

No. F26E—16V—**Pants,** 8½×5⅝ in., 1100 watts, w't 16 lbs., each★ $20.00

No. F28E—20V—Slightly heavier than No. F26E, size 8½×5⅝ in., 1100 watts, w't 20 lbs.★ ..... each $21.50

AMERICAN TAILORS

Not furnished with attachment plug. They should be wired direct to the circuit and operated by a switch.

No. F12BE—Light, size 9⅜-3⅝ in., 650 watts, w't 12 lbs., each★ $15.00

No. F16BE—Medium, size 9⅜-3⅝ in., 650 watts, w't 16 lbs.★ $16.00

No. F20BE—Standard, size 11×3⅝ in., 750 watts, w't 23 lbs.★ ..... each $17.50

No. F220E—20HB—Size 11×3⅝ in., 1000 watts, w't 20 lbs., each★ $18.50

No. F24HBE—Heavy, size 11×3⅝ in., 1000 watts, w't 24 lbs., each★ $18.50

ONE IN A BOX

Prices on Application

ELECTRIC IRONS

HOTPOINT

The iron with the hot point, cool handle and attached stand. Heating element is in two sections, arranged "V" shape on the soleplate. The sections meet at the point of the iron, thus supplying most heat where most heat is needed because, in ironing, the point is pushed forward into the damp goods.

Nickel plated, has cord attachment plug and interchangeable switch plug. Heating element guaranteed for one year.

No. 206E—575 watts, 4x6½ in., **for 110 volts,** w't 6 lbs., ...each *$6.75*

No. F1206E—575 watts, 4x6½ in., **for 220 volts,** w't 6 lbs....each *$7.25*

No. 0206E—575 watts, 4x6½ in., 82 **volts,** for Farm Lighting Plants, w't 6 lbs. .....each *$7.25*

ONE IN A CARTON, SIX IN A CASE

No. 106HE—Extra elements for 110 volt Hot Point Irons.....each *$2.25*

No. 18ET—Terminals ...each *$0.10*

No. 42CDE—Contacts...each *$0.06*

No. 596KE—Handles.....each *$0.20*

No. 366CDE—Case halves, each *$0.15*

HOT POINT AUTOMATIC

This iron has an automatic feature, by means of which the current is cut off when the highest ironing temperature has been reached, thereby preventing waste of current.

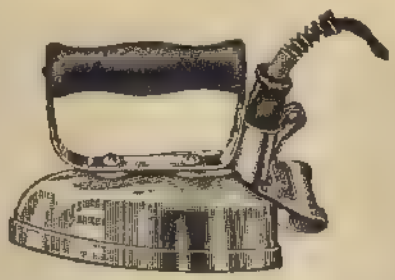
The current is restored by merely pushing in the switch button, located on the side of the iron just under the handle bow.

This iron has the hot point, cool handle, attached stand, hinged plug cord protector and the cantilever handle—all the distinctive features of the other Hot Point Irons.

No. 207E—575 watts, 4x6½ in., for 110 volts, finish polished nickel top pressed steel, w't 6 lbs., each $12.50

ONE IN A BOX

EDISON FAMILY



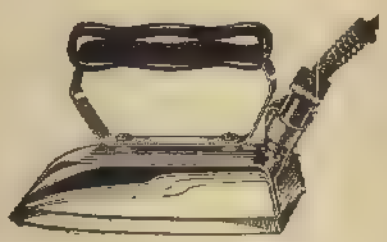
Has nichrome heating element and is identical with the Hot Point except that it has not the hinged plug or thumb rest, and is not as highly finished. Has attached heel stand.

The parts and repairs for this iron are interchangeable with the 206E Hot Point iron.

No. 215E—575 watts, 4x6½ in., for 110 **Volts,** w't 6 lbs., complete with cord and plug .....each $7.00

ONE IN A BOX

DOMESTIC



Licensed Marsh Patent.

Domestic, full nickel plated, complete with cord and plug, w't each 6 lbs

For 110 Volts.

No. 40E—Each *$5.00*

For 220 Volts.

No. F640E—Each★ *$8.00*

Heating element guaranteed for one year.

ONE IN A CARTON

EXTRA ELEMENTS

No. F140E—Each★ *$1.75*

SUNBEAM

Heavily nickel plated and highly polished. Heating element insulated in genuine sheet mica. Removable monel metal (non-arcing) terminal posts. Has extra quality nickel plated and polished stand.

In design and finish this is one of the handsomest irons on the market, and the heating element is guaranteed for one year. Furnished complete with nickel plated stand, peacock blue cord and plug. Weight 6 lbs.,

No. 53E—110 volt, 583 watts, each *$7.50*

No. F053E—82 volt, each★ *$8.00*

ONE IN A CARTON; SIX IN A CASE

UNIVERSAL

The Universal Round Heel, bevel edge iron was designed to overcome the serious fault of "gathering or wrinkling" the material on the back stroke of the iron. It "fits the work" and adopts itself to the many gathered parts of womens and childrens garments.

Heating element guaranteed for one year.

No. 909E—One piece seamless brass nickel plated hood, nickel plated base, ebonized handles, 110 volt, 580 watts; Complete with 6 ft. cord and plug and reversible heat proof standard, w't 6¼ lbs....each $9.10

ONE IN A BOX

Voltage Desired Must Be Specified in Ordering.

★ Items Marked Thus ★ Are Shipped From Factory Only.

WAAGE THREE HEAT ELECTRIC IRONS

NEW MODEL

The iron with the patented heat regulation, which can be used for all classes of ironing.

The high heat does the work of a 9 lb. iron, adapted to the heaviest work, such as linen table cloths, bed spreads, etc.

The medium heat does the work of any ordinary 6 lb. iron, such as starched wearing apparel. The low heat does the work of a 3 lb. iron such as silks, and delicate fabrics.

Flanges on ends prevent handle from heating. Edges are ground to avoid cutting or wrinkling. Has cast iron top which keeps the iron hot long after the current is turned off.

No. 123E—110 volt, low heat 175 watts, medium heat 450 watts, high heat 600 watts, with 7 ft. cord and plug and two piece attachment plug, w't 6 lbs. .....each $9.80

ONE IN A CARTON

WAAGE THREE POUND TOURIST IRONS

Stock Voltage 110.

No. 311E—Beautifully shaped and finished, full nickel plated, with attached heel stand, size 5¾x2⅜ in., complete with cord and plug, uses 350 watts, w't 3 lbs. ....each $6.30

ONE IN A BOX

EXTRA CORDS AND PLUGS

No. 22E—Cord complete with plugs for Hot-Point Electric Iron, each $2.25

No. 830E—Complete with both detachable and attachment plugs, for American and Little Beauty Irons, each $2.50

No. 307E—Complete with both detachable and attachment plug for Sunbeam and domestic iron, each .....$.....

No. 310E—Complete with both attachable and attachment plug, for **No. 909E** iron .....each $2.00

No. 45E—Cord complete with 6 ft. cord, Plugall Plug and attachment plug .....each $2.25

PLUGS

No. 44E—Plugall with spring to fit any iron, each .....

No. 23E—Plug only for 206E Hot-Point Iron, each $0.90

No. 25E—Plug only, for **No. 909E** Universal Irons .....each $0.50

No. 803E—For "American and Little Beauty" with contact sleeves and non-kink springs, each $0.60

No. 308E—For Sunbeam and Domestic Irons .....each $0.75

IMPORTANT!

The elements for Electric Flat Irons and Heating Appliances are guaranteed for one year only, if you have any elements burn out during that time, and wish them replaced, it will be necessary to send to us or to factory, the old element, if replacement is to be made no charge. None of the factories will supply new elements free, unless defective ones are returned.

Presentation Series

The Presentation Series of Elgin Watches is the last word in the Gift Idea as applied to modern business and social requirements. * *

All models of this series come in de Luxe gift boxes. The velvet plaque is removable, making a handsome cigarette or jewel box. * * *

THE Presentation Series of Elgin Watches embodies the new 19 Jewel C. H. Hulburd Movement—in the 12-size extremely thin bridge model.

All watches of this new series have the Invar-Steel Balance, which minimizes temperature variation and makes for remarkably accurate timekeeping. Eight Adjustments, within exceptionally narrow limits.

Solid silver embossed dial, with raised gold figures.

THESE superfine movements are cased in a pleasing variety of new and exclusive designs in White, Green and Yellow Gold. Each individual Presentation Watch is a distinctly different creation. Dial and hands are varied to blend with the design of the case.

Prices of Presentation models Range from $300 to $500 according to design of case.

All watches of this series are made of the finest obtainable materials, finished and engraved by Elgin's most skillful craftsmen.

Elgin High Grade Watches

(Complete Watches)

The CORSICAN

$175—

SERIES of 12-size thin model Elgins—with the characteristic Bow "shaped like Napoleon's campaign hat" — has become very popular. The movement is the Lord Elgin 21 Jewel, with 8 Adjustments and finest craftsmanship throughout.

Sterling silver dial, with beautiful new glazed finish, and hands designed in harmony with the raised gold numerals.

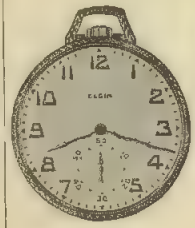
Three Corsican models, in 14K Gold. All retail at $175 All come in handsome individual gift boxes.

In Green Gold with White Gold Bezel and Back
In White Gold with Green Gold Bezel and Back
In All White Gold
$228.58

(Complete Watches)

The CLASSIC

$150—



THE Classic Series of 12-size thin model Elgins presents the 19 Jewel Lord Elgin Movement, with 8 Adjustments and exquisite workmanship throughout

The new Classic case is of original design, beautifully balanced, and comes in two finishes —14K White Gold and 14K Green Gold. The glazed finish back and the fine border engraving are new and attractive.

The dial is of silver, with raised gold numerals and hands that conform to the dial design.

Both Classic models retail at $150 and come in handsome gift boxes, $155.02

Elgin High Grade Watches

Streamlines

THE new Streamline Series of 12-Size Watches comprises a strikingly distinctive line of Complete Elgins.
Dressed in new and distinctive cases, specially designed to meet a variety of tastes. Notable for their smoothly flowing lines and accurate timekeeping.
Popularly priced from $35 to $100.

$35 Streamline
12-Size, 17 Jewels
Adjusted to heat, cold and isochronism
Clear, spacious Silvered Dial
Streamline bow and pendant
10 K Gold Filled (20-year) Case, in two styles: Plain, with Cap; or Engraved Bezel and Border without Cap, $45.76

$50 Streamline
12-Size, *Extra Thin*—exceptional timekeeping quality in a slender model
G. M. Wheeler Movement
17 Jewels, 6 Adjustments
Silvered Dial
Streamline bow and pendant
14 K Gold Filled (25-Year) Cap Case, $65.34

$60 Streamline
12-Size, *Extra Thin*—exceptional timekeeping quality in a slender model
G. M. Wheeler Movement
17 Jewels, 6 Adjustments
Silvered Dial
Streamline bow and pendant
14 K Gold Filled (25-year) engraved Cap Case, in two styles: either White or Green Gold, $78 32

$100 Streamline
12-Size, *Extra Thin*—exceptional timekeeping quality in a slender model
G. M. Wheeler Movement
17 Jewels, 6 Adjustments
Engraved Silver Dial
Streamline bow and pendant
14 K Gold engraved Cap Case, in two styles: either White or Green Gold, $130 68

All Streamline models come in individual Gift Boxes

$75 Streamline
12-Size, *Extra Thin*—exceptional timekeeping quality in a slender model
G. M. Wheeler Movement
17 Jewels, 6 Adjustments
Silvered Dial
Streamline bow and pendant
Solid Gold Cap Case, $98 00

DRILL SOCKETS

STANDARD

For Taper Shank Drills

Polished Tool Steel. Used in Drill Presses to Change the Size of Socket to Fit Different Size Drills.

SOCKET SLEEVES

Standard No. 113; Morse No. 100B; Detroit No. 102; Cleveland No. 104						
Nos.	118-1/2	118-1/3	118-1/4	118-1/5	118-2/3	118-2/4
Socket, Nos.	1	1	1	1	2	2
Fits Socket, Nos	2	3	4	5	3	4
Holds Drills, Ins.	1/4 to 9/64	1/4 to 5/16	1/4 to 3/8	1/4 to 3/4	11/32 to 1/2	11/32 to 1/2
Length, Ins.	3 1/2	3 5/16	4 1/16	5 1/16	4 1/4	5
Weight, Lbs.		1/2	1 1/4	3	5/8	1
Each	$1 80	2 40	3.00	4 40	2.40	3.00
	1 10	1.45	1.80	2.70	1.45	1.80

Nos.	118-2/5	118-3/4	118-3/5	118-4/5	118-4/6	118-5/6
Socket, Nos.	2	3	3	4	4	5
Fits Socket, Nos.	5	4	5	5	6	6
Holds Drills, Ins.	11/32 to 1/2	11/32 to 1 1/4	11/32 to 1/2	1 11/32 to 2	1 11/32 to 2	2 1/4 to 3
Length, Ins.	6	3 1/4	8	6 1/4	7 1/2	8 1/2
Weight, Lbs.	3	3/4	2 1/2	2 1/4	4	5 1/8
Each	$4.40	3 00	4.40	4.40	10.00	10.00
	2.70	1.80	3.40	2.40	7.60	7.60

Loose

USE-EM-UP

Made on the Same Order of Any Other Drill Socket Except that it has a Flat Side. All that is necessary is to Grind a Flat on [illegible] Minus a Tang and this Drill Socket [illegible] Drill Press will Hold It as if it were a New Bi [illegible] Each

No. 1-2—No. 1 Hole Fits No. 2 Socke [illegible] Length 6 1/4 inches.
Weight per Dozen 00 lbs. $1 80 $2 00

No. 2-3—No. 2 Hole Fits No. 3 Socke [illegible] Length 7 inches.
Weight Per Dozen 00 lbs. $2 30 $2 50

No. 3-4—No. 3 Hole Fits No. 4 Socket. [illegible] Length 8 inches
Weight per Dozen 00 lbs. $2 90 $3 20

Loose

DRILL CHUCKS

STAR

Adapts Drill Press Spindles to Use Straight Shank Drills of Different Sizes.

Three-Piece Forged Steel Hardened Jaw; Nickel Plated and Polished Knurled Sleeve; Polished Round Shank. The Jaws are Carefully Adjusted in a Socket and Arranged so as to Open and Close by Turning the Chuck on the Spindle.

Nos.	5	6	7
Diameter of Shank Inch.	1/2	1/2	1/2
Length of Shank, Inches.	1 1/2	3 5/8	4 1/2
Holds Drills Inch.	0 to 1/4	0 to 3/8	0 to 1/2
Weight Each, Lbs.	1	1 1/2	3
Each	$2.30	2.80	3.80

One in a Box

We can Furnish No. 5 with 41-64 inch Shank, No. 6 with 41-64 inch Shank and No. 7 with 1/2 or 41-64 Shank, at Prices Given Above by Shipping Direct from Factory.

LATHE DOGS

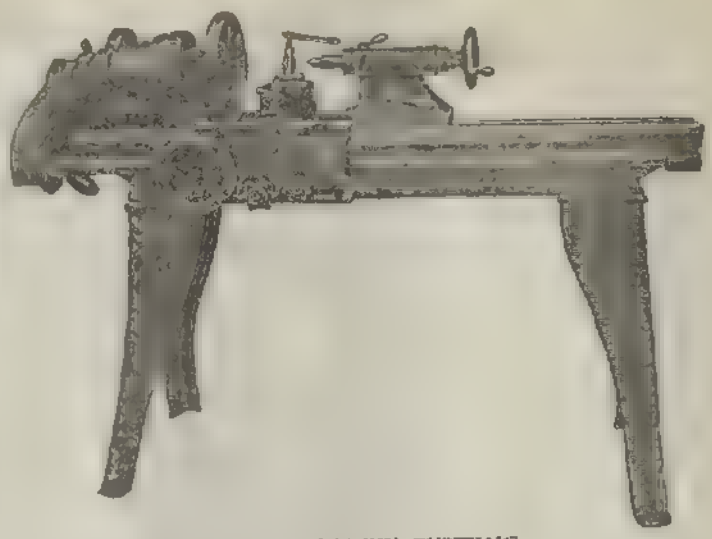
Made From Refined Steel Castings and provided with U.S. Standard Steel Screws with Hardened Points; Natural Finish.

Nos.	1	2	3	4	5	6
Opening, Ins.	3/8	1/2	5/8	3/4	7/8	1
Wt. Each, lbs	5/8	7/8	1 1/8	1 3/4	1	1 1/2
Each	$0.80	.70	.90	.90	.95	.95
Nos	7	8	9	10	11	12
Opening, Ins.	1 1/4	1 1/4	1 3/4	1 1/2	1 3/4	2
Wt. Each, lbs.	1 1/2	1 3/8	1 1/2	2	2 3/4	2 1/2
Each	$1.10.	1.10	1.25	1.25	1.55	1.65

Loose

LATHES

GLOBE



15-INCH SCREW CUTTING

Especially Adapted for Garage and Machine Shop Use; Will Handle All Lengths of Automobile Shafts and Axles and Cranks for 6 Cylinder Engines, in Automobile Work to the Highest Degree of Accuracy.

Carefully built from Highest Quality Materials; All Castings are of the Finest Grey Cast Iron; Main Bearings are of Phosphor Bronze; Cut Gears and Accurately Turned Bearings Assure Long Wear and Smoothness in Operation.

The Globe 15-inch Lathe, is Equipped with Automatic Power Cross Feed and Automatic Longitudinal Feed of Carriage which can be Engaged Only One at a Time. The Lead Screw is Split and Driven by Worm, the Thread of the Lead Screw is not Used and Worn out in Ordinary Turning, but is Used Only in Thread Cutting. The Half Nut is of Sufficient Length to Produce an Absolutely Accurate Thread.

Bed is Rigid, Cross Ribbed by Heavy Box Braces Cast in At Short Intervals Entire Length; Has Three V's and One Flat Way for Front Bearing of Carriage and Tail Stock. Rack is of Steel, Cut from the Solid Bar.

Head Stock is Equipped With Improved Reverse, Spindle Cone has Four Steps for 1 3/4 inch Belt. Spindle is of Special Spindle Steel Accurately fitted, has a 1 1/8 inch Hole its Entire Length. Centers are No. 3 Morse Taper. Bearings are the best Phosphor Bronze with Ample Oiling [illegible] and are Adjustable for Wear.

Tail Stock is Offset to Allow Compound Rest to Swivel Parallel to Bed and is Provided with Set-Over for Turning Taper. Tail Stock Center is Self-Ejecting.

Carriage is Strong, with Wide Deep Bridge; has T Slots for Clamping Work for Milling and Boring. Both Automatic Cross Feed and Automatic Longitudinal Feed are Operated from the Front of Apron and but One Feed at a time can be Engaged. Both feeds are Driven by a Splined Screw and Worm so that **the Thread of the Lead Screw is Used for Screw Cutting Only.**

Thread Cutting. Lathe is Indexed to Cut Standard Threads from 4 to 40 Right or Left, Including 11 1/2 Pipe Thread, and by Compounding the Gears furnished Many Other Threads Can be Cut.

Graduation The Compound Rest is Graduated in Degrees. The Cross Feed Screw has Micrometer Thread and Collar Reading to **One-thousandths** of an inch.

Equipment Consists of Large and Small Face Plates, Plain or Compound Rest, Two Steel Centers, Center Rest, Change Gears, Adjustable Stop for Screw Cutting, a Set [illegible] Cross Gear Guards Complying with Labor Commission Requirements, Necessary Wrenches and Oil [illegible] Friction Countershaft.

No.	+158
Swing Over Bed, Inches	15 1/4
Length of Bed, Feet	8
Distance between Center, Inches	64
Hole Through Spindle, Inches	1 1/8
Diameter of Spindle Nose, Inches	2 1/4
Opening Tool Post, Inches	5/8 x 1 1/4
Countershaft Speed, R. P. M.	225
Weight, lbs.	1515
Each	$948 00

Items Marked * Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory

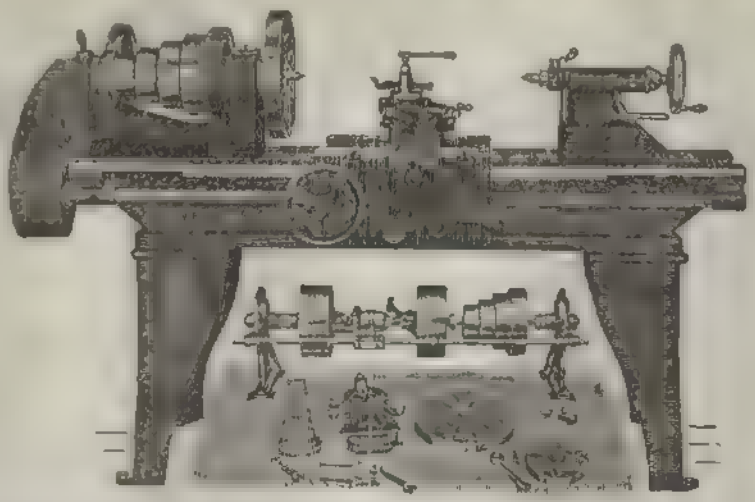
LATHES

SOUTH BEND

FOR GARAGES, MACHINE SHOPS AND GENERAL ALL AROUND WORK

Graduation. Compound Rest **Graduated in Degrees.** Cross Feed Screw has Micrometer Graduated Collar Reading in **One-thousandths** of an inch.

Equipment as Shown in Cut is Included in the Price and Consists of Large and Small Face Plates Compound Rest, Two Steel Centers, Center Rest, follower Rest, Change Gears, Adjustable Stop for Screw Cutting, a Set of Feed Gears, Gear Guards, Necessary Wrenches and Double Friction Countershaft.



Bed is Rigid, Cross Ribbed by Heavy Box Braces Cast in at Short Intervals its Entire Length; has Three V's and One Flat Way for Front Bearing of Head Stock; Tail Stock and Carriage. The Rack Attached is of Steel Cut From the Solid Bar.

Head Stock is Equipped with **Improved Reverse.** Spindle Cone has Four Steps. Spindle is of Carbon Steel Accurately Ground, Centers are No. 3 Morse Taper. Bearings are the Best Phosphor Bronze with Ample Oiling Facilities, and are Adjustable for Wear.

Carriage is Strong, with Wide Deep Bridge; has T Slots for Clamping work for Milling and **Boring.** Both Automatic Cross Feed and Automatic Longitudinal Feed are Operated from the Front of Apron and but One Feed at a Time can be Engaged. Both Feeds are Driven by a Splined Screw and Worm so that the Thread of the lead Screw is **used for Screw Cutting Only.**

Tail Stock is Off-set to Allow Compound Rest to Swivel Parallel to Bed and is Provided with Set-over for Turning Taper. Tail Stock Center Self-ejecting.

Thread Cutting. Lathe is Indexed to cut Standard Threads From 4 to 40, Right or Left, Including 11½ Pipe Thread, and by Compounding the Gears Furnished Many Other Threads Can be cut.

Fitted with Automatic Longitudinal Feed, Automatic Cross Feed and Compound Rest

13-INCH SCREW CUTTING

Spindle Cone Belt	1½ Inches
Swing Over Bed	13¼ Inches
Swing Over Carriage	9 Inches
Hole through Spindle	¾ Inch
Diameter of Spindle Nose	1¼ Inches
Opening Tool Post	½x1⅛ Inches
Countershaft speed	275 R.P.M

Nos.	†34C	†34D	†34E
Length of Bed, feet	6	7	8
Distance between Centers, inches	44	56	68
Weight Each, lbs.	1050	1100	1150
Each	$538.00	558.00	586.00

16-INCH SCREW CUTTING

Spindle Cone Belt	2 Inches
Swing Over Bed	16¼ Inches
Swing Over Carriage	11⅛ Inches
Hole Through Spindle	1⅛ Inches
Diameter of Spindle Nose	2⅛ Inches
Opening Tool Post	⅝x1⅜ Inches
Countershaft Speed	225 R.P.M.

Nos.	†40C	†40D	†40E	†40G	†40H
Length of Bed, ft.	5	7	8	10	12
Distance Between Centers, inches	36	48	60	84	108
Weight Each, lbs.	1700	1750	1825	2025	2250
Each	$714 00	742 00	770 00	824 00	906 00

15-INCH SCREW CUTTING

Spindle Cone Belt	1¾ Inches
Swing Over Bed	15⅛ Inches
Swing Over Carriage	8⅛ Inches
Hole through Spindle	1⅛ Inches
Diameter of Spindle Nose	2⅛ Inches
Opening Tool Post	1⅝x1¼ Inches
Countershaft Speed	250 R.P.M

Nos.	†37C	†37D	†37E	†37G
Length of Bed, feet	6	7	8	10
Distance Between Centers, inches	40	52	64	88
Weight Each, lbs.	1425	1500	1650	1900
Each	$640.00	668.00	694.00	756.00

18-INCH SCREW CUTTING

Spindle Cone Belt	2¾ Inches
Swing Over Bed	18¼ Inches
Swing Over Carriage	13⅛ Inches
Hole Through Spindle	1⅞ Inches
Diameter of Spindle Nose	2⅞ Inches
Opening Tool Post	1⅝x1¼ Inches
Countershaft Speed	200 R.P.M

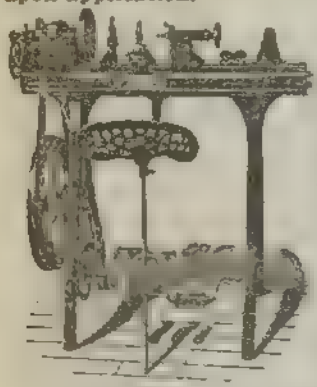
Nos.	†45C	†45D	†45E	†45G	†45H
Length, Bed, ft.	6	7	8	10	12
Distance between Centers, inches	31	43	55	79	103
Weight Each, lbs.	2250	2325	2450	2550	2750
Each	$988.00	1024.00	1060.00	1132.00	1200.00

Items Marked † Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory, South Bend, Ind.

SCREW CUTTING LATHES

BARNES

NOTE—Chucks are not included in prices as given on Screw Cutting Lathes. When Chucks are wanted always specify make and size wanted. An Extra Charge is made for fitting Chucks, which varies according to make and size. Prices for fitting given upon application.



FOOT POWER

Painted Black, Cast Iron Frame, Seat, Gear and Pulley Wheels; Gearing Cut from Solid Steel; Steel Shafts; Back Geared, Screw Cutting Feeds Right or Left without Change of Gearing; Carriage is Adjustable for Taper Boring or Ball Turning; Carriage Gibbed to Take up Wear; The Tail Stock has Side Movement to Adjust Centers for Turning Tapers; the Head Stock has Hollow Spindle for Passing Rods through.

The Small Pulley on Cone is 2½ inches in Diameter; the Large Pulley 4½ inches; has Three Speeds, and is Suitably Arranged for Heavy or Light Work in Turning or Polishing.

Each

✣No. 4½—Swings 9 inches on the Face Plate, 4¾ inches Over the Tool Carriage; the Head Stock Takes ⅝ inch Rod; Indexed for Threads 5 to 40; Each Height Over All 46 inches; Floor Space Required 24x42 inches; Distance Between Centers 25 inches; Weight Net 270 lbs.; Boxed for Shipment 340 lbs..... $297.00
One in a Box

DRILL CHUCKS

SKINNER

STANDARD IMPROVED PATTERN

Body is Made of a Special Grade of Steel and will not Break in Service. Face Plate adds to the Strength of the Body and Also Prevents Larger work than the Chuck is Designed for Being Used

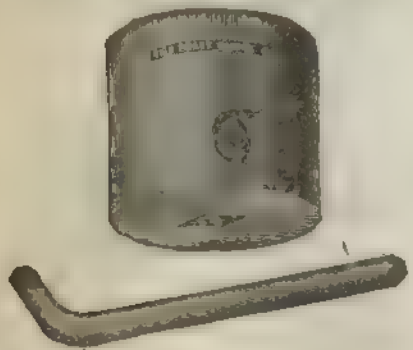
Jaws are of Tool Steel, Accurately Machined, Carefully Tempered, and Fitted to work Smoothly in the Body of the Chuck and on the Screws. Observe that the Jaws do not project through the Face Plate.

The Operating Screw—the Vital part—is Larger than that of Any Other Chuck of Like Capacity of This Type and is Made of a Special Analysis Tool Steel of Great Tensile and Torsional Strength. Hole in the Back of the Chuck is Tapered to Receive the Arbor.

All Parts are Interchangeable.

Nos.	[illegible]	45
Capacity, Inch	0 to ½	0 to 1
Diameter, Inches	2⅜	3⅜
Length, Inches	2⅞	4¼
Weight, Lbs.	2½	5
Each	$23.00	32.50

Loose



PRATT

WITH ARBOR

All Working Parts are Made from Tool Steel, Carefully Tempered to Prevent Wear. A Substantial Chuck for Blacksmith's Drill Presses. Arbors are Made with Shank ½ inch; 41/64 inch in Diameter 2¼ inches Long.

Nos.	13	14
Capacity, Inch	0 to ⅜	0 to ⅝
Diameter, Inches	2¼	3
Length, Inches	2⅝	2¾
Weight, Lbs	2½	5
Each	$16.50	17.60

Loose

PISTON CHUCKS

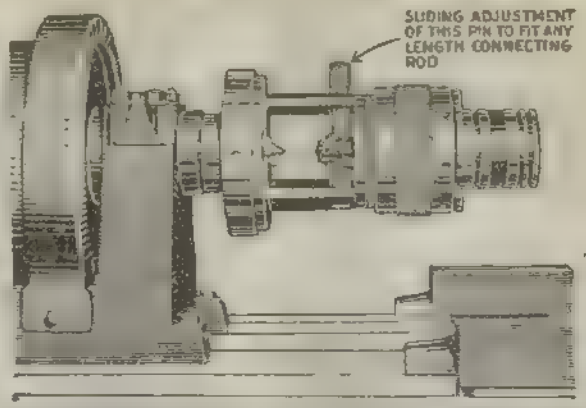


Illustration Shows Chuck Attached to Lathe When in Use.

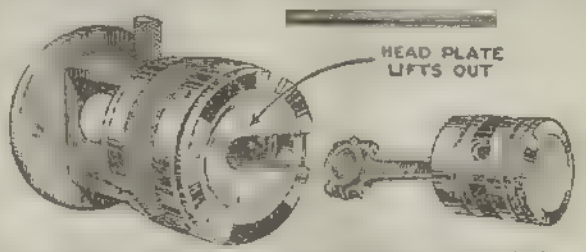


Illustration Shows Chuck Attached to Lathe When in Use.

For Turning Up Groves on [illegible] So that New Pistons Can be Replaced [illegible]

Eliminates the Expensive and Time Wasting Process of Removing Connecting Rod from Piston and Turning Each Piston Separately.

Will Hold Any Size Piston and Connecting Rod and in Addition is So Constructed that Rough Cast Pistons Can be Turned on it; Clamps on Face Plate, will Run Dead True; Made of High Grade Cast Iron

Each

No. PC—Diameter Over all 17½ inches Length Over all 10 inches Weight, Each 25 lbs..... $50 00

COUNTERSHAFTS

Nos.	✣0	✣1
Drive Pulley, Inches	[illegible]	[illegible]
Tight and Loose Pulleys, In.	[illegible]	[illegible]
Size of Shaft, Inches	[illegible]	[illegible]
Drop of Hanger, In.	[illegible]	[illegible]
Weight, Each lbs.	60	60
Each	$12 30	24 70

One in a Case

Nos.	✣1½	✣2
Drive Pulley, Inches	11x3	9x2½
Tight and Loose Pulleys, In.	5x3	4x2
Size of Shaft, inches	1x16	⅞x12
Drop of Hanger, in.	6	6
Weight, Each lbs.	45	30
Each	$19.30	16 00

One in a Case

GAUGE GLASS WASHERS

No. GGS—SQUARE

Diameter-Inside, In.	⅛	⅝	¾
Diameter Outside, In.	⅞	⅞	1⅛
Wt. per Gross, ozs.	9	16	18
Per Gross	$1.60	1.70	2.00

Loose

No. GGR—ROUND

Diameter Inside, In.	⅛	⅝	¾
Diameter Outside, In.	⅞	¾	1⅛
Wt. per Gross, ozs	12	14	16
Per Gross	$1 20	1.20	1.20

Loose

Items Marked ✣ Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory

Gold Front and Gold Filled Handle Pocket Knives

Green, White and Yellow Gold. Fine Steel Blades. Quality Guaranteed. Prices Each.

No. 4402 $2.65
1/20 gold shell.
Green gold
Engine turned.
1 file, 1 blade

No. 4403.. $2.40
Green gold
filled.
Engine turned.
2 blades

No. 4404..$2.35
Masonic
Green gold
filled
Engine turned
Raised emblem
2 blades

No 4405 $2.35
Odd Fellows
Raised emblem
Engine turned
Green gold.
2 blades.

No 4406 $2.35
K of P
Green gold
Engine turned
Raised emblem.
2 blades.

No 4407 $2.35
Green gold
Engine turned
1 blade, 1 file

No 4408 $2.35
Gold filled
Polished steel
blades.
English finish
1 blade, 1 file.

No 4409 $2.35
Gold filled
Polished steel
blades
English finish
2 blades

No 4410 $2.35
Gold filled
Engine turned
English finish
Polished steel
blades
2 blades.

No 4411 $1.95
Gold filled
Engine turned.
Plain back.
Polished.
2 blades.

No 4412 $2.20
Gold filled
Engine turned.
Plain back.
Polished.
2 blades.

No 4413 $2.05
Green gold
Engine turned
White gold
stripes
2 blades.

No 4414 $2.05
Green gold
Engine turned.
Pattern
2 blades

No 4415 $2.05
Green gold
Engine turned
both sides
2 blades

No 4416 $2.05
Green gold
Engine turned
both sides
1 blade, 1 file

No 4417 $2.05
Green gold
Engine turned
and engraved
both sides
2 blades

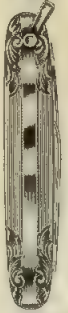
No. 4418 $2.05
Fine gold filled
Bright finish
blades

No. 4419 $1.75
White gold
filled
Engine turned
2 blades.

No. 4420 $1.30
Green gold
filled
Engine turned.
2 blades.

No. 4421 $1.30
Green gold
filled
Engine turned.
2 blades.

No 4422 $1.05
Green gold
filled
Engine turned
and engraved.
2 blades.



No 4423 $1.05
Green gold
filled
Engine turned
and engraved
both sides.
2 blades.

No. 4424 $2.30
Sterling silver
Engine turned
both sides.
File only.

No. 4425 $2.10
Green gold
Engine turned
both sides
File only.

No 4426 $2.10
Hand engraved One blade

No 4427 ..... $1.80
Green gold Engine turned One blade

No. 4428 ..... $1.65
Three color gold One blade

High Grade Steel Blades.

14k and 10k Solid Gold Pocket Knives

Exact Size. Prices Each.

No 4351 $18.25
Platinum or 10k H. g.d engraved and engine turned both sides
2 blades

No 4352 $11.95
14k white gold
Eng ne turned and engraved both sides.
1 blade, 1 file.

No 4353 $11.25
14k white gold.
Engine turned and engraved.
1 blade, 1 file.

No 4354 .$11.25
14k white gold.
Engine turned
1 blade, 1 file.

No 4355 $9.75
10k white gold.
Engine turned both sides.
2 blades

No 4356 $9.75
10k green gold.
Eng ne turned both sides.
2 blades and scissors.

No 4357 $9.75
10k white gold
Engine turned both sides.
1 file, 1 blade.

No 4358 $9.40
10k white gold
Engine turned both sides
1 blade 1 file

No 4359 $8.65
10k green gold
strips.
Engine turned plain back
1 blade

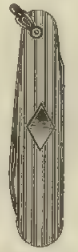
No 4360 $8.65
10k
Hand engraved.
Polished back
Engine finish.
1 blade 1 file

No 4361 $8.65
10k solid gold
Engine finish
Engine turned
1 blade, 1 file

No 4362 $8.35
10k solid gold
Roman finish
Bright cut and engraved
2 blades

No 4363 $8.25
10k
English finish
Hand engraved.
Plain back
1 blade, 1 file.

No 4364 . $7.90
10k green gold
Engine turned both sides
1 blade 1 file

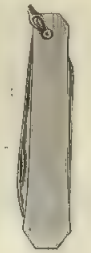


No 4365 . . $7.90
10k green gold
Engine turned both sides
1 blade, 1 file

No 4366 $7.70
10k solid gold
Engine turned both sides
Green gold
1 blade 1 file

No 4367 $7.50
10k solid gold
Engine turned both sides
English finish
1 blade 1 file

No 4368 $7.25
14k white gold
Engine turned both sides.
2 blades, 1 file.



No 4369 $6.75
10k
Plain Roman
both sides
1 blade, 1 file.

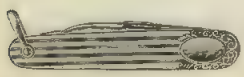
No 4370. $6.35
14k white gold
Fingers turned and engraved
both sides.
2 blades.

No 4371 $6.20
14k white gold
Knights turned
both sides.
1 blade, 1 file.

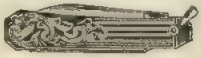
No 4372 $7.15
10k solid gold
Plain Roman
Raised enameled K of C emblem.
1 blade, 1 file.

No 4373 $6.75
10k Solid gold
Plain Roman
Raised enamel ed Masonic emblem
1 blade, 1 file.

No 4374 . .$6.50
10k solid gold.
Plain Roman
Raised enameled Elk emblem
1 blade, 1 file.



No 4376 . . . . . .$7.15
10k Eng ish finish
Two polished steel blades.



No. 4376 . . . . . .$7.10
.d green gold Engine turned a d engraved
One file, one blade.

No 4377 . . . . . $6.35
10k gold gold Hand engraved
Two polished steel blades

Gold Front and Gold Filled Handle Pocket Knives

WHITE, GREEN AND YELLOW. FINE STEEL BLADES. PRICES EACH.

No. 4378. $5.50
Green gold
Gold front
sides
Engine turned.
2 blades and
scissor

No. 4379. $5.00
Gold front
sides
Engine turned
and engraved
both sides
1 blade, 1 file.

No. 4380 $5.00
White gold
front sides
Hand engraved
Stainless steel
blades.

No. 4381 $5.00
Masonic
White gold filled
sides, green
gold stripes,
Engine turned
and engraved
1 blade, 1 file

No. 4382 $5.00
White gold
filled sides
Engraved,
Stainless steel,
1 blade, 1 file.

No. 4383 $4.75
Heavy gold
front
English finish
Engraved,
2 blades.

No. 4384. $4.70
14k gold inlaid
on sterling
silver
1 blade, 1 file.

No. 4385 $4.30
White gold
filled Green
gold stripes,
Engine turned
1 blade 1 file.

No. 4386 $3.65
Gold front sides,
Roman finish.
Hand engraved
Masonic
emblem
1 blade, 1 file.

No. 4387 $3.70
White gold
filled
Hand engraved.
Polished steel
blades
1 file, 1 blade.

No. 4388 $3.70
White gold
filled Engine
turned and
engraved
Polished steel
blades
1 file, 1 blade

No. 4389 $3.70
White gold
filled,
Engine turned
Polished steel
blades
1 file, 1 blade.

No. 4390 $3.70
White gold
filled.
Hand engraved
Polished steel
blades
2 blades.

No. 4391 $3.70
White gold
filled
Engine turned
Polished steel
blades.
2 blades

No. 4392 $3.70
White gold
filled
Engine turned
Polished steel
blades
1 file, 1 blade.

No. 4393 $3.70
White gold
filled
Hand engraved
Polished steel
blades.
1 file, 1 blade.

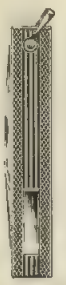
No. 4394 $3.50
Masonic
Green gold
Engine turned
Raised emblem.
1 blade, 1 file.

No. 4395 $3.15
Gold front
sides.
Hand engraved
Green gold
1 blade, 1 file.

No. 4396 $3.15
Green gold
filled
Engine turned
both sides
White gold
stripe.
1 blade, 1 file.

No. 4397 $3.15
Gold front
sides
Green gold
Engine turned
both sides.
1 blade, 1 file.

No. 4398 $3.15
White gold
filled
Engine turned
both sides.
1 blade, 1 file.



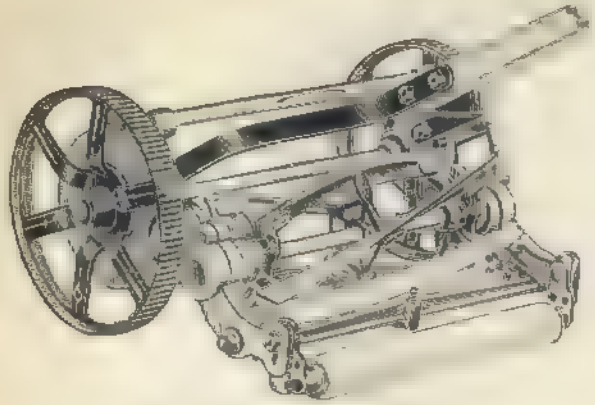
No. 4399 $3.15
Green gold
Engine turned
both sides
White gold
stripes
2 blades.

No. 4400 $3.00
Gold front
sides. Raised
enameled Ma-
sonic emblem.
Roman finish.
2 blades

No. 4401 $2.75
Gold filled
Engine turned
and engraved
Polished
2 blades.

ALBANY HARDWARE & IRON CO.

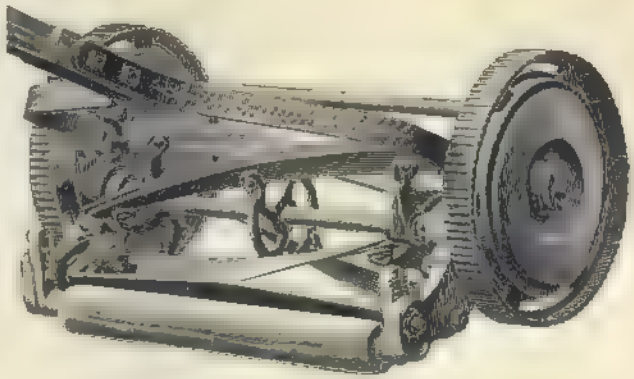
LAWN MOWERS



King, High Grass, Ball Bearing

This mower has ball bearing driving wheels and revolving cutter making it noiseless and light running. Spoked wheels 10 inches diameter, open frame. Revolving cutter 6 in diameter with 5 cutting knives. Stationary knife bar is of crucible steel and mounted on steel cones. Patented adjustment in center of knife as well as each end. Triple train gears

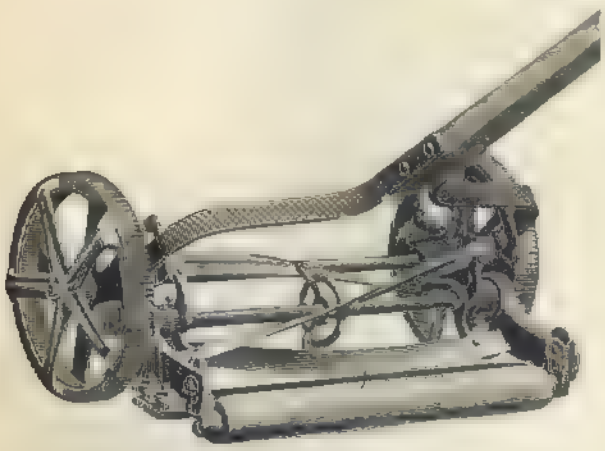
Size	Packed	Weight	Each
14 in.	1	63 lbs.	**$18.75**
16 in.	1	65 lbs	**19.90**
18 in.	1	69 lbs.	**20.80**
20 in.	1	72 lbs.	**21.60**



Diamond No. 3, Ball Bearing

This mower has a 4 bladed, ball bearing, crucible steel revolving cutter, 6 inches in diameter. The wheels are 10 inches in diameter. Cones and cups are of solid steel perfectly ground and dust proof. Stationary knife mounted on steel cones

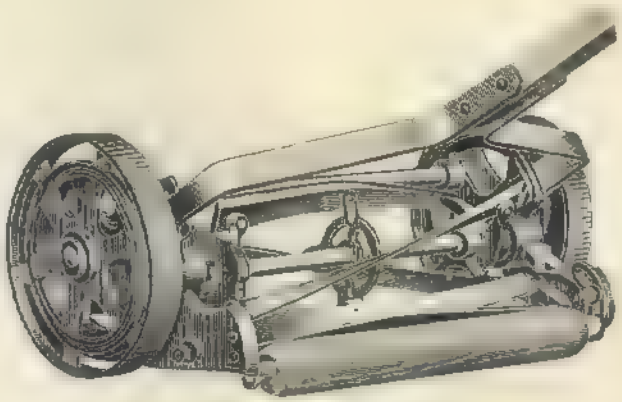
Size	Packed	Weight	Each
12 in	1	46 lbs.	**$13.50**
14 in.	1	48 lbs.	**13.50**
16 in.	1	51 lbs.	**14.20**
18 in.	1	54 lbs.	**14.85**
20 in.	1	56 lbs.	**15.70**



Matchless, Ball Bearing

A low priced ball bearing mower with crucible steel blades. Cutter has 4 blades and is 5 inches in diameter. Wheels 9 inches diameter with open spokes. Cones and cups are of solid cone steel. Adjustable throughout

Size	Packed	Weight	Each
14 in	1	43 lbs.	**$12.15**
16 in	1	45 lbs.	**12.70**
18 in.	1	40 lbs.	**13.10**



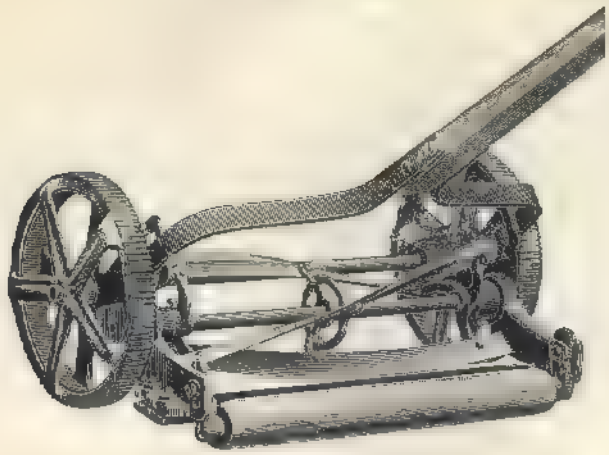
Aluminum, Ball Bearing

All non-bearing parts are made of high grade aluminum. 4 bladed cutter 5 inches in diameter, of crucible steel 8 inch diameter spoked wheels. ⅝ inch shafting Grass catcher attachment

Size	Packed	Weight	Each
14 in.	1	30 lbs.	**$17.25**
16 in.	1	32 lbs.	**18.00**

Handles are packed separately
Weights given include handles

LAWN MOWERS



Glide

This is the best mower of its class ever offered It is high speed, light running and thoroughly adjustable Ball pivot bed plate, 9 inch wheel, 3 bladed. Revolving cutter 5½ inches in diameter

Size	Packed	Weight	Each
12 in.	1	37 lbs.	**$7.50**
14 in.	1	39 lbs.	**7.95**
16 in.	1	41 lbs.	**8.25**
18 in.	1	44 lbs.	**9.00**

Handles are packed separately. Weights given include handles.

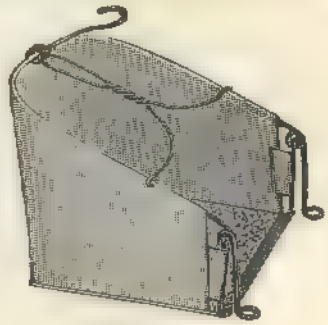
LAWN TRIMMERS AND EDGERS

Capitol

Four crucible steel blades 6 inches long, brass bushings, double adjustment. For trimming and edging lawns. The shield over the blades protects the flowers.

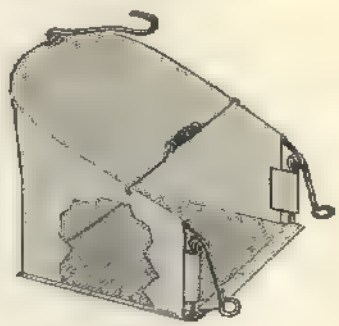
Type	Packed	Weight	Each
Without edger	1	23 lbs.	**$11.25**
With edger	1	24 lbs.	**12.90**

EASY EMPTYING GRASS CATCHERS



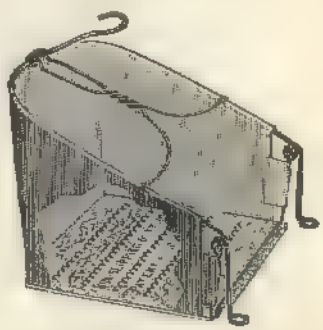
No. 17G

Short iron handle, plain bottom



Nos. 26G, 27G

With handle and hook brackets, plain bottom



No. 5G

Short iron handle, non-slipping bottom.

All above catchers have duck sides firmly clamped in the galvanized bottoms by a double fold of the metal.

No.	For Mowers	Width	Depth
17G	12 to 17 in.	17 in.	16 in
26G	12 to 16 in.	16 in.	16½ in
27G	16 to 20 in.	20 in.	16½ in.
5G	12 to 18 in.	18 in	17 in.

No.	Packed	Weight	Per Doz.
17G	⅓ doz.	3½ lbs.	**$12.45**
26G	⅓ doz.	3½ lbs.	**14.75**
27G	⅓ doz.	4 lbs.	**16.00**
5G	⅓ doz.	4 lbs.	**16.30**

GRASS HOOKS

No. 2

Riveted back. Thin blade forged from crucible steel

No.	Packed	Weight	Per Doz
2	½ doz.	4 lbs.	$10.65

Gem

Polished steel blades, hardened and tempered in oil Shanks riveted to blades and enameled handles raised to prevent contact with the ground

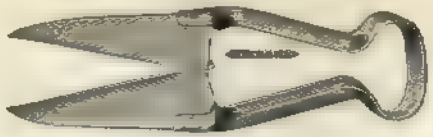
Name	Packed	Weight	Per Doz
Gem	1 doz.	13 lbs.	$8.25

Perfect Cutter

Hardened, tempered and polished steel web Strong shank extends through enameled handle and riveted

Name	Packed	Weight	Per Doz
Perfect Cutter	1 doz.	10 lbs.	$7.90

GRASS SHEARS



Nos. 2 and 4

One lock on each blade prevents them slipping under each other. Bright finish cold rolled crucible steel

No.	Blade	Packed	Weight	Per Doz
2	5½ in.	½ doz.	3 lbs.	$6.55
4	5½ in.	1 doz.	7 lbs.	4.90

No. 09

Full polished, hardened and tempered blades, enameled handles, tempered coil spring, end latch.

No.	Length	Packed	Weight	Per Doz.
09	12 in.	½ doz.	6 lbs.	$12.75

GRASS AND SHEEP SHEARS

No. 011

California pattern. Full polished blades and shanks Etched.

No.	Length	Packed	Weight	Per Doz.
011	4½ in.	½ doz.	4⅛ lbs.	$11.75
011	5 in.	½ doz.	4⅛ lbs.	11.75
011	5½ in.	½ doz.	4¼ lbs.	11.75
011	6 in.	½ doz.	5¼ lbs.	12.15

No. 055

True Vermonter. Full polished and swaged blades Etched

No.	Length	Packed	Weight	Per Doz.
055	4½ in.	½ doz.	4 lbs.	$10.50
055	5 in.	½ doz.	4¼ lbs.	10.50
055	5½ in.	½ doz.	4½ lbs.	10.50
055	6 in.	½ doz.	4⅞ lbs.	10.90

HARMOGRAPH TALKING MACHINES

PLAY ANY DISC RECORD MADE

TONE

Harmograph Talking Machines Have Long had a Reputation for Being Marvelous Tone Reproducers. The Softest Strains of the Violin, the Clear Notes of the Singer, the Full Rich Melody of Orchestras as Well as the Syncopating Jazz Bands are All Reproduced Perfectly and Naturally. This is Due Principally to the Scientific Construction of the Harmograph Tone Chamber.

CABINET

Harmographs are Designed Along Lines That Please the Artist [illegible] They are Symmetrical in Dimensions and Compare Favorably with Any Phonograph on the Market All Panels are [illegible] ply, Genuine Veneers The Finish is Unexcelled. None but Thoroughly Seasoned, Especially Selected Panels Used

EQUIPMENT

Tonearm, Especially Designed and Constructed Along Our Own Ideas [illegible] Universal Sound Box Which Permits the Playing of All Makes of Disc Records

Motors are Simple, Durable and Efficient; Clock Wound While Playing.

VOID PAGE NOTATIONS BY NEW ITEMS REPLACING

GENUINE ADAM PERIOD CONSOLE TYPE

HW5300

This Type Represents a New American Console Talking Machines It is the Only Machine Ever Offered that Can be Used as a Talking Machine and as a Table

Gold Plated Equipment

32½ inches High; 38 inches Long; 24 inches Deep; Shipping Weight 205 lbs.

	Each
No. H5300—Mahogany, Choice of Red or Brown, Without Automatic Stop	$200 00
No. H5300S—Complete With Gold Plated Automatic Stop	203 50
No. HW5300—American Walnut, Without Automatic Stop	200 00
No. HW5300S—American Walnut, Complete With Gold Plated Automatic Stop	203.50

GENUINE LOUIS XVI PERIOD DESIGN

H5250

Gold Plated Equipment

49 inches High, 23 inches Wide; 24½ inches Deep; Shipping Weight 180 lbs.

	Each
No. H5250 Choice of Red or Brown Mahogany, Without Automatic Stop	$250 00
No. H5250S Choice of Red or Brown Mahogany, Complete With Gold Plated Automatic Stop	253 50
No. HW5250—American Walnut, Without Automatic Stop	250.00
No. HW5250S American Walnut, Complete With Gold Plated Automatic Stop	253 50

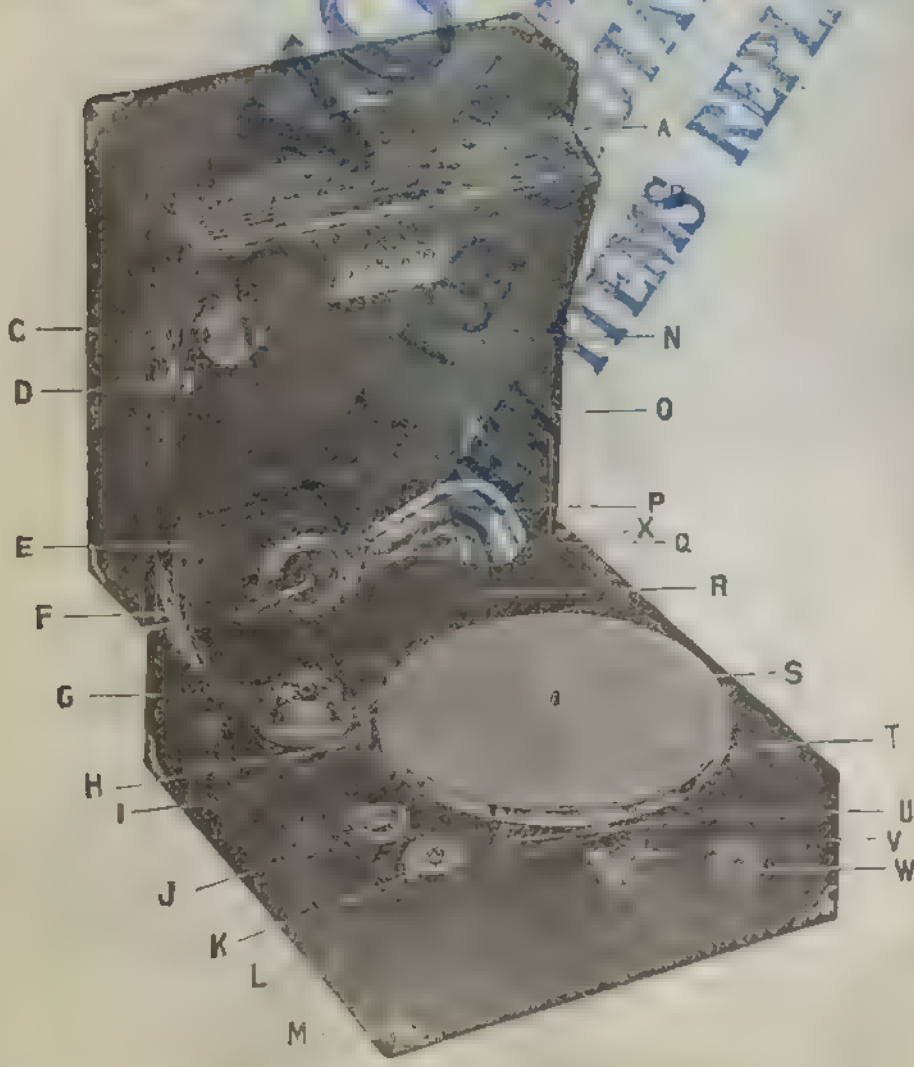
CARRY THEIR VOICES WITH YOU!

Announcing the Harmograph Portable

A Wonderful Combination—The Most Complete and Compact Portable of Highest Quality.

Note Especially These Improved Features. Many of Them Found Exclusively in the Harmograph Portable

14x15½x8 inches and Weighs Only Twenty Pounds



Above Cuts Illustrate our "DeLuxe" Model.

A—"Harmo" File, Felt Lined, Holds 10 Records.

B—Adjustable Compartment Containing "Paco" File.

C—Special Felt Cover for Needle Cup Prevents Spilling Needles While Machine is Being Carried.

D—Special Catch to Hold Record Compartment.

E—Lid for Sound Chamber Can be Placed in Any Position to Regulate Volume, Also Serves as a Carrier for Crank and Tone Arm While Machine is Carried.

F—Automatic Lid Support, Holds Top Rigid While Machine is Open.

G—Base for Tone Arm

H—Automatic Stop—The Latest Improved and Most Efficient Stop Made.

I—Neat Leather Handle, Fits the Hand and Makes it Easy to Carry.

J—Needle Cup.

K—Speed Regulator.

L—Finest Grade of Dupont Fabrikoid.

M—Ornamental Corner Irons Heavily Plated Protects the Fabrikoid and Gives Additional Strength to the Case.

N—Genuine Mahogany Panels, ½ inch; Highly Polished.

O—Winding Crank.

P—Collapsible Tone Arm, Strongly Made, Producing a Clear, Full Volume.

Q—Adjustable Bracket, Prevents Any Possible Damage to Tone Arm While Machine is Being Carried.

R—Patented Sound Chamber. Constructed on the Same Principle as Sound Waves Flowing from the Human Throat, Producing a Wonderful Volume.

S—10 inch Felt Covered Turntable.

T—Genuine Mahogany Panels, ½ inch; Highly Polished.

U—Turntable Brake.

V—Ingenious Safety Catch, Easily Operated, Yet When Locked, Keeps the Lid Closed Down Tightly, Preventing Dust, Etc., from Entering the Machine.

W—Winding Crank Spindle.

X—Screw to Adjust Modulator Lid.

HARMOGRAPH TALKING MACHINES

PLAY ANY DISC RECORDS MADE

TONE

Harmograph Talking Machines Have Long Had a Reputation for Being Marvelous Tone Reproducers. The Softest Strains of the Violin, the Clear Notes of the Singer, the Full Rich Melody of Orchestras as well as Syncopating Jazz Bands Are All Reproduced Perfectly and Naturally. This is Due, Principally, to the Scientific Construction of the Harmograph Tone Chamber.

CABINET

Harmographs are Designed Along Lines that Please the Artistic Eye. They Are Symmetrical in Dimensions and Compare Favorably with Any Phonograph on the Market. All Panels are 9/16 inch Thick, 5 Ply, Genuine Veneers. The Finish is Unexcelled. None but Thoroughly Seasoned Especially Selected Panels Used.

EQUIPMENT

Tonearm, Especially Designed and Constructed Along Our Own Ideas, Equipped with Universal Sound Box Which Permits the Playing of All Makes of Disc Records.

Motors are Spring Driven and Heart Cut Type Wound With [illegible]

HW5175

H5135

HF5100

47½ inches High, 21½ inches Wide; 22 inches Deep; Shipping Weight, 153 lbs.

Nickel Plated Equipment	Each
No. HW5175—American Walnut, Without Automatic Stop	$150 00
No. HW5175S—American Walnut Complete with Automatic Stop	152 50
No. H5175—Mahogany, Without Automatic Stop	150 00
No. H5175S—Mahogany, Complete with Automatic Stop	152 50
No. HF5175—Fumed Oak, Without Automatic Stop	150 00
No. HF5175S—Fumed Oak, Complete with Automatic Stop	152 50
No. HG5175—Golden Oak, Without Automatic Stop	150 00
No. HG5175S—Golden Oak, Complete with Automatic Stop	152 50

47 inches High, 21½ inches Wide; 21½ inches Deep; Shipping Weight, 153 lbs.

Nickel Plated Equipment	Each
No. H5135—Mahogany, Without Automatic Stop	$100 00
No. H5135S—Mahogany, Complete with Automatic Stop	102 50
No. HF5135—Fumed Oak, Without Automatic Stop	100.00
No. HF5135S—Fumed Oak, Complete with Automatic Stop	102 50
No. HG5135—Golden Oak Without Automatic Stop	100 00
No. HG5135S—Golden Oak, Complete with Automatic Stop	102 50

44 inches High, 19 inches Wide; 20½ inches Deep; Shipping Weight, 125 lbs.

Nickel Plated Equipment	Each
No. HF5100—Fumed Oak, Without Automatic Stop	$70 00
No. HF5100S—Fumed Oak, Complete with Automatic Stop	72 50
No. HG5100—Golden Oak, Without Automatic Stop	70 00
No. HG5100S—Golden Oak, Complete with Automatic Stop	72 50

HARRINGTON AND RICHARDSON REVOLVERS

YOUNG AMERICA, small frame, double action; rubber stock.

Use 22 short or long and 32 S. & W. cartridges.

22 CALIBER, 7 SHOTS

NICKEL PLATED.

No. 4122—2 in. octagon barrel, **rim fire,** w't 8 oz., each $6.80

32 CALIBER, 5 SHOTS

NICKEL PLATED.

No. 4332—2 in. octagon barrel, **center fire,** w't 9 oz., each $6.80

ONE IN A BOX

AMERICA, center fire. Double action, large frame, octagon barrel, rubber stock.

32 CALIBER, 6 SHOTS

NICKEL PLATED.

No. 2632—2½ in. barrel, w't 16 oz. .....each $6.80
No. 2932—4½ in. barrel, w't 18 oz. .....each 7.40

38 CALIBER, 5 SHOTS

NICKEL PLATED.

No. 2638—2½ in. barrel, w't 16 oz. .....each $6 80
No. 2938—4½ in. barrel, w't 18 oz. .....each 7.40

ONE IN A BOX

YOUNG AMERICA, center fire, safety hammer, double action, small frame, octagon barrel, rubber stock.

Use 32 S. & W. short C. F. and 38 S. & W. cartridges.

32 CALIBER, 5 SHOTS

NICKEL PLATED.

No. 3132—2 in. barrel, w't 9 oz. .....each $6.80

32 CALIBER, 6 SHOTS

NICKEL PLATED.

No. 5132—2½ in. barrel, w't 16 oz. .....each $6.80

38 CALIBER, 5 SHOTS

NICKEL PLATED.

No. 5138—2½ in. barrel, w't 15 oz. .....each $6.80

ONE IN A BOX

VEST POCKET, safety hammer, small frame, double action, 1¾ in. barrel, rubber stock.

22 CALIBER, 7 SHOTS

NICKEL PLATED.

No. 3322—Rim fire, w't 7 oz. .....each $6.80

32 CALIBER, 5 SHOTS

NICKEL PLATED.

No. 3232—Center fire, w't 8 oz. .....each $6.80

ONE IN A BOX

HARRINGTON AND RICHARDSON REVOLVERS

MODEL 1904, center fire, double action, rubber stock, octagon barrel.

Use 32 S. & W. and 38 S. & W. cartridges.

32 CALIBER, 6 SHOTS

NICKEL PLATED.

No. 4132—2½ **in.** barrel, w't 16 oz. .....each **$7.50**
No. 4232—4½ **in.** barrel, w't 17 oz. .....each **8.00**

BLUED.

No. 4132B—2½ **in.** barrel, w't 16 oz. .....each **$7.50**
No. 4232B—4½ **in.** barrel, w't 17 oz. .....each **8.00**

38 CALIBER, 5 SHOTS

NICKEL PLATED.

No. 4138—2½ **in.** barrel, w't 16 oz. .....each **$7.50**
No. 4238—4½ **in.** barrel, w't 17 oz. .....each **8.00**

BLUED.

No. 4138B—2½ **in.** barrel, w't 16 oz. .....each **$7.50**
No. 4238B—4½ **in.** barrel, w't 17 oz. .....each **8.00**

ONE IN A BOX

Double action, 2½ in. octagon barrel, rubber stock.

Uses 22 short or long and 32 S. & W. cartridges.

22 CALIBER, 7 SHOTS

1906 Model.

NICKEL PLATED.

No. 2122—Rim fire, w't 10 oz. .....each **$7.50**

BLUED.

No. 2122B—Rim fire, w't 10 oz. .....each **$7.50**

32 CALIBER, 5 SHOTS

1905 Model.

NICKEL PLATED.

No. 2132—Center fire, w't 11 oz. .....each **$7.50**

BLUED.

No. 2132B—Center fire, w't 11 oz. .....each **$7.50**

ONE IN A BOX

MODEL 1906, double action, rim fire, new rubber target grip stocks.

Use 22 short and long rim fire cartridges.

22 CALIBER, 7 SHOTS

NICKEL PLATED.

No. 2622G—6 **in.** octagon barrel, w't 12 oz. ....each **$9.70**

BLUED.

No. 2622BG—6 **in.** octagon barrel, w't 12 oz. ..each **$9.70**

ONE IN A BOX

TARGET, automatic action, hammer, premier small frame, new rubber target grips.

22 CALIBER, 7 SHOTS

NICKEL PLATED.

No. 4622TG—6 **in.** barrel, w't 17 oz. .....each **$17.80**

BLUED.

No. 4622BTG—6 **in.** barrel, w't 17 oz. .....each **$17.80**

ONE IN A BOX

HARRINGTON AND RICHARDSON REVOLVERS

HAMMER, premier small frame, automatic double action, rubber stock.

22 CALIBER, 7 SHOTS

NICKEL PLATED.

No. 4622—3 in. barrel, w't 13 oz. .....each $15.00
No. 5822—4 in. barrel, w't 13½ oz. .....each 15.60
No. 5922—5 in. barrel, w't 14 oz. .....each 16.00

BLUED.

No. 4622B—3 in. barrel, w't 13 oz. .....each $15.00
No. 5822B—4 in. barrel, w't 13½ oz. .....each 15.60
No. 5922B—5 in. barrel, w't 14 oz. .....each 16.00

32 CALIBER, 5 SHOTS

NICKEL PLATED.

No. 4532—2 in. barrel, w't 12 oz. .....each $15.00
No. 4632—3 in. barrel, w't 12 oz. .....each 15.00
No. 5832—4 in. barrel, w't 12½ oz. .....each 15.60
No. 5932—5 in. barrel, w't 13 oz. .....each 16.00

BLUED.

No. 4532B—2 in. barrel, w't 12 oz. .....each $15.00
No. 4632B—3 in. barrel, w't 12 oz. .....each 15.00
No. 5832B—4 in. barrel, w't 12½ oz. .....each 15.60
No. 5932B—5 in. barrel, w't 13 oz. .....each 16.00

ONE IN A BOX

OUR VERY BEST

Our Very Best for Fifty Year
Has Stood the Test

HAMMER, regular automatic, double action, rubber stock.

Nos. 4732, 4732B, 4832, 4832B, 4932 and 4932B, also adapted for 32 S. & W. long center fire cartridges.

32 CALIBER, 6 SHOTS

NICKEL PLATED.

No. 4732—3½ in. barrel, w't 16 oz. .....each $15.00
No. 4832—4 in. barrel, w't 18 oz. .....each 15.50
No. 4932—5 in. barrel, w't 19 oz. .....each 16.00

BLUED.

No. 4732B—3½ in. barrel, w't 16 oz. .....each $15.00
No. 4832B—4 in. barrel, w't 18 oz. .....each 15.50
No. 4932B—5 in. barrel, w't 19 oz. .....each 16.00

38 CALIBER, 6 SHOTS

NICKEL PLATED.

No. 4738—3½ in. barrel, w't 15 oz. .....each $15.00
No. 4838—4 in. barrel, w't 17 oz. .....each 15.50
No. 4938—5 in. barrel, w't 18 oz. .....each 16.00

BLUED.

No. 4738B—3½ in. barrel, w't 15 oz. .....each $15.00
No. 4838B—4 in. barrel, w't 17 oz. .....each 15.50
No. 4938B—5 in. barrel, w't 18 oz. .....each 16.00

ONE IN A BOX

HAMMERLESS, automatic, double action, rubber stock.

22 CALIBER, 7 SHOTS

NICKEL PLATED

No. 5422—2 in. barrel, w't 12 oz. .....each $16.50
No. 5522—3 in. barrel, w't 13 oz. .....each 16.50

BLUED.

No. 5422B—2 in. barrel, w't 12 oz. .....each $16.50
No. 5522B—3 in. barrel, w't 13 oz. .....each 16.50

32 CALIBER, 5 SHOTS

NICKEL PLATED.

No. 5432—2 in. barrel, w't 12 oz. .....each $16.50
No. 5532—3 in. barrel, w't 13 oz. .....each 16.50

BLUED.

No. 5432B—2 in. barrel, w't 12 oz. .....each $16.50
No. 5532B—3 in. barrel, w't 13 oz. .....each 16.50

38 CALIBER, 5 SHOTS

NICKEL PLATED.

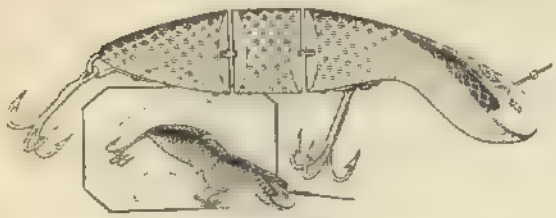
No. 5538—3½ in. barrel, w't 17 oz. .....each $16.50

BLUED.

No. 5538B—3½ in. barrel, w't 17 oz. .....each $16.50
No. 5638B—4 in. barrel, w't 18 oz. .....each 17.00

ONE IN A BOX

HEDDON GAME FISHER



5500 Series

The swimming movement is serpentine, covering a full third of a circle in every four or five inches of forward travel

Floats at rest, depth of deep course is regulated by reeling speed

No. 5501 rainbow
No. 5502, white body, red head and tail
No. 5509D, green scale
No. 5509P, shiner scale
No. 5509M, pike scale

Series	Length	Weight	Packed	Each
5500	4¾ in.	¾ oz.	1	$1.25

HEDDON "BABY" GAME FISHER

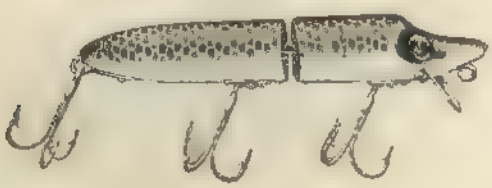
5400 Series

The same in action as the 5500 series

No. 5401, rainbow
No. 5402, white body, red head
No. 5409D, green scale
No. 5409M, pike scale
No. 5409P, shiner scale
No. 5409R, mullet scale

Series	Length	Weight	Packed	Each
5400	3¾ in.	½ oz.	1	$1.25

HEDDON JOINTED VAMP



7300 Series

The Vamp with the jointed feature. Floats at rest. Dives and swims when moving. Has an alluring new movement.

No. 7302, white body, red eyes and tail
No. 7309M, pike scale
No. 7309P, shiner scale

Series	Length	Weight	Packed	Each
7300	4¾ in.	¾ oz.	1	$1.25

HEDDON VAMP

7500 Series

Semi deep. The swimming image of a baby pike with its attractive swimming and diving movements. Beautiful and deceptive finishes.

No. 7500S, white body, red and green spots
No. 7501, rainbow
No. 7502, white body, red eyes and tail
No. 7509L, yellow perch scale
No. 7509M, pike scale
No. 7509P, shiner scale
No. 7509R, mullet scale

Series	Length	Weight	Packed	Each
7500	4½ in.	⅝ oz.	1	$1.00

HEDDON "BABY" VAMP

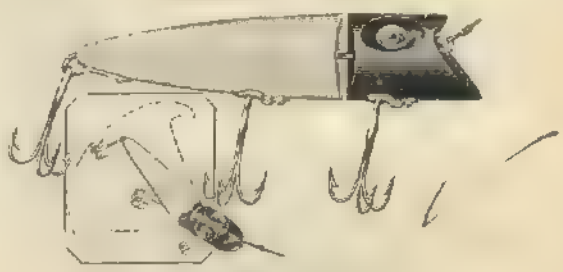
7400 Series

The same in action as the 7500 series, darts and zigzags to depth of about 18 inches.

No. 7409D, green scale
No. 7409P, shiner scale
No. 7409M, pike scale

Series	Length	Weight	Packed	Each
7400	3½ in.	½ oz.	1	$1.00

HEDDON ZIG WAG



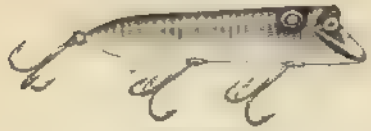
8300 Series

Unique duplex movement, wide erratic sweeping action. The tail section makes a fish-like fanning movement, (see picture).

No. 8302, white body, red head. No. 8309D, green scale. No. 8309M, pike scale. No. 8309P, shiner scale. No. 8309R-RH, natural scale, red head.

Series	Length	Weight	Packed	Each
8300	4¼ in.	¼ oz.	1	$1.25

HEDDON BASSER

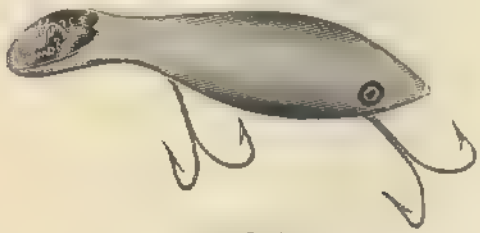


8500 Series

Near surface. Extreme limit of erratic side-darting, dipping and sudden swerving actions. No. 8502, white body, red head. No. 8509D, green scale. No. 8509J, frog scale. No. 8509K, goldfish scale. No. 8509L, yellow perch scale. No. 8509M, pike scale. No. 8509P, shiner scale.

Series	Length	Weight	Packed	Each
8500	4¼ in.	¾ oz.	1	$1.00

HEDDON TAD-POLLY



5000 Series

Floats at rest. Dives well down according to line pull, wonderful wriggling motion. No. 5000, fancy green back. No. 5009B, frog coloration. No. 5002, white body, red head. No. 5009D, green scale. No. 5009A, yellow perch.

Series	Length	Weight	Packed	Each
5000	3⅜ in.	⅝ oz.	1	$1.00

SOUTH BEND FISH-ORENO

953 Series

Guaranteed to catch fish or returnable in one year. Highly polished nickel head plate sinks the bait two feet per second. When retrieved it has an enticing, erratic, quivering, wobbling zigzag motion.

No. 953RH, white body, red head. No. 953P, pike finish. No. 953SF, scale finish. No. 953CS, copper scale. No. 953Y, yellow body, black spots and stripe.

Series	Length	Weight	Packed	Each
953	Body, 3½ in.	⅝ oz.	1	$1.25

HEDDON TORPEDO BAIT

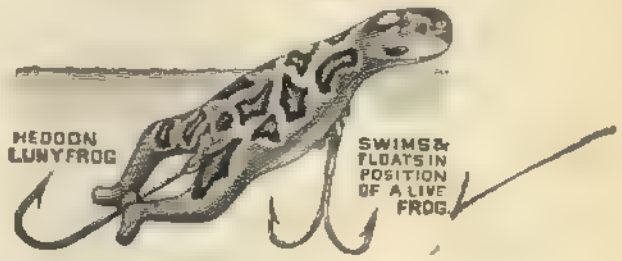
120 Series

Striking minnow. Long body of small diameter. Weird crawling appearance when in motion, a fine actor in streams.

No. 121, rainbow. No. 122, white, red eyes and tail. No. 129D, green scale. No. 129P, shiner scale. No. 129R, mullet scale.

Series	Length	Weight	Packed	Each
120	3 in.	½ oz.	1	$1.00

HEDDON LUNY FROG

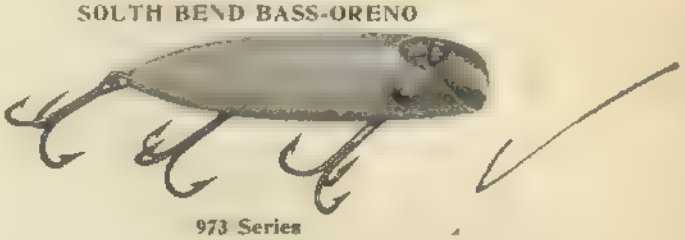


3500 Series

When resting, floats as illustrated. When retrieved, it dives and has a good swimming movement. Made of Pyralin. Regularly equipped with treble hook on belly, although shown with double. No. 3509B, green frog. No. 3509BB, yellow frog.

Series	Length	Weight	Packed	Each
3500	4¼ in.	¾ oz.	1	$1.25

SOUTH BEND BASS-ORENO



973 Series

Floats at rest. Wobbling type, when retrieved is erratic in motion, it darts, dives and dashes.

No. 973RHA, aluminum color body, red head
No. 973RH, white body, red head
No. 973YP, yellow perch, scale finish
No. 973F, imitation frog color
No. 973LUM, nite-luming finish
No. 973SF, green scale finish
No. 973W, white body, red and green decorations

Series	Length	Weight	Packed	Each
973	Body, 3½ in.	⅝ oz.	1	$1.00

FAMED PHANTOM MINNOWS

Nos. 1511, 1512, 1513

Made of strong, ribbed silkaline. Blended with oil colors guaranteed not to crack, peel or fade. Mounted on gut shafts and gangs with best quality spear point treble hooks, bronzed. Brass barrel swivels.

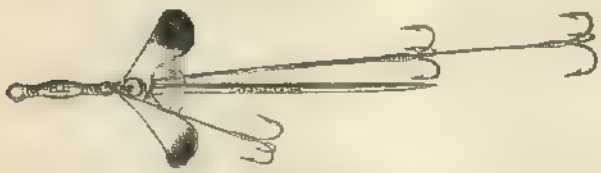
No. 1511, gold leaf belly. Blended brown back

No. 1512, silver leaf belly. Blended blue back.

No. 1513, silver leaf over all.

Size	Length	Packed	Weight	Each
No. 3	body, 3 in	6	⅞ lb.	**$0.55**
No. 4	body, 3¼ in	6	½ lb.	**.60**
No. 5	body, 3½ in	6	½ lb	**.60**
No. 6	body, 4 in	6	¾ lb.	**.70**
No. 7	body, 4¼ in	6	1 lb.	**.80**
No. 8	body, 4½ in.	6	1 lb.	**.90**

SPINNERS



Sterling

A successful device for fishing with live minnows. Made in sizes for: trout, small salmon, salmon, small pike and pike.

All sizes. Packed, 1. Weight, 1 oz. .....each, **$0.50**

STEEL MINNOW GANGS

Buel's

Used with minnow, frog, strip of pork or strip of fish. Much stronger than any gut or gimp gang, cannot be cut by teeth of fish.

Size	Packed	Weight	Each
Trout	1	1 oz.	**$0.35**
Bass	1	1 oz.	**.40**
Pickerel	1	1 oz.	**.45**

SHIMMYETTE FLY ROD WIGGLER

Nos. 7, 8

A miniature pork rind wiggler. Body and spinner made of nickel silver, music wire spinner shaft. Can be cast effectively with a 5 oz. rod.

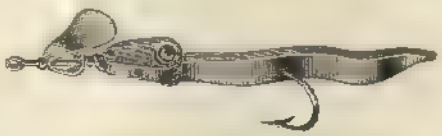
No.	Weight	Hook	Packed	Weight	Each
7	1/16 oz.	No. 3 Sproat	1	1 oz.	**$0.50**
8	1/20 oz.	No. 6 Sproat	1	1 oz.	**.50**

AL FOSS BAITS

The Skidder

A semi-surface lure, skids along near the surface when retrieved. Nickel plated brass. No. 3-0 hand forged O'Shaughnessy hook, practically weedless

Weight, ½ oz. Packed, 1. Weight, 2 ozs. ....each, **$0.75**



Little Egypt Wiggler

Nickel plated brass. No. 3-0 hand forged O'Shaughnessy hook, practically weedless

Weight, ½ oz. Packed, 1. Weight, 2 ozs. ....each, **$0.75**

Oriental Wiggler

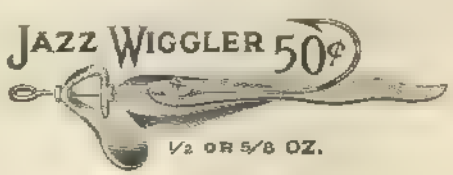
Solid celluloid composition, practically indestructible. No. 3-0 hand forged O'Shaughnessy hook, practically weedless. All white and red and white

Weight, ¾ oz. Packed, 1. Weight, 2 ozs. ...each, **$1.00**

Shimmy Wiggler

All brass, nickel plated. Bucktail streamer is furnished

No.	Weight	Hook	Packed	Weight	Each
6	½ oz.	1-0	1	2 ozs.	**$1.00**
5	⅝ oz.	3-0	1	2 ozs.	**1.00**



Nos. 9, 10

An unexcelled bait for bass. Has a low center of gravity and cannot turn over

No.	Weight	Hook	Packed	Weight	Each
10	½ oz.	3-0	1	1 oz.	**$0.50**
9	⅝ oz.	5-0	1	1 oz.	**.50**

AL FOSS PORK RIND STRIPS

Chemically treated to remove grease. Bottled and preserved in brine.

For	Size	In Bottle	Wt.	Per Bottle
Fly Rod	2 x⅛ in.	12	5¼ lbs.	**$0.45**
Bass	4⅜x⅛ in.	12	5½ lbs.	**.45**
"Musky"	5¼x⅜ in.	6	5¼ lbs.	**.45**

HOLMES & EDWARDS
SILVERWARE

Illustrations Full Size

SILVER INLAID
(Stamped Holmes & Edwards Silver Inlaid)

	Sets of Six	In lined Super Case
5+5444	Tea Spoons, per doz	$11.06
5+5445	Dessert Spoons, per doz	19.80
5+5446	Table Spoons, per doz	22.10
5+5447	Dinner Forks, per doz	31.50

SUPER PLATE
(Stamped Holmes & Edwards XIVHE)

5+5448	Tea Spoons, plain box, doz	$ 6.34
5+5449	Dessert Spoons, [illegible] doz	14.84
5+5450	Table Spoons, plain box, doz	15.68
5+5451	Dinner Forks, plain box, doz	16.68

SPOONS

5+5452	B. B. Soup, super case, doz	$17.72
5+5453	A. D. Coffee, super case, doz.	8.14
5+5454	Baby, Bent, super case, each	1.06

FORKS

5+5455	Tea, plain box doz.	$12.14
5+5456	Oyster, super case, doz	10.30
5+5457	Ice Cream, super case doz	12.88
5+5458	Individual Salad, super case doz	16.68
5+5459	Cake, super case doz	2.22

KNIVES

5+5460	Butter, super case, each	$ 1.68
5+5461	Butter Spreaders, super case, doz	14.38

LADLES

5+5462	Cream, super case each	$ 1.98
5+5463	Soup, super case, each	7.84

MISCELLANEOUS

5+5464	Sugar Tongs, super case each	$ 2.66
5+5465	Tomato Server, super case, each	3.54

HOLLOW HANDLE CUTLERY
(Dinner and Breakfast Knives may be had in Super Roll without extra charge)

5+5466	H. H. Dinner Forks, super case doz	$25.38
5 5467	H. H. Dinner Knives, super case doz	26.38
5+5468	H. H. Butter Spreaders, super case, doz	26.38
5+5469	H. H. Cheese Server, super case, each	2.78
5+5470	3-Piece H. H. Carving Set, 8", super case, each	19.50
5+5471	2 Piece H. H. Carving Set 8", super case, each	13.98
5+5472	2 Piece H. H. Carving Set 7", super case each	11.98
5+5473	2 Piece H. H. Carving Set, 6" super case each	9.08

SILVERWELD KNIVES
Solid Pattern Handle with Steel Blade)

5 5474	Silverweld Knives super cases, doz	$17.82

SUPER PLATE
Each set in Super Case

7 PIECE SETS

5+5475	Berry Shell and Cold Meat Fork, each	$ 5.78
5 5478	H. H. Salad Spoon and Fork with Olivewood Bowl and Tines, each	11.08

5-PIECE SETS

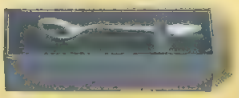
5+5477	Student's Tea, Breakfast Fork, H. H. Knife, each	$ 4.64
5+5476	Educator spoon Fork, H. H. Knife, each	4.80

12 PIECE SETS
Knife and Fork Sets

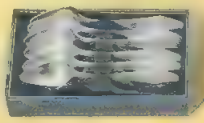
5+5479	6 Silverweld Knives and 6 Dinner Forks, super case silver inlaid	$19.98
5+5480	Super plate	17.26
5+5481	6 Silverweld Knives and 6 Breakfast Forks, super case, silver inlaid	13.76
5+5482	Super plate	16.28

INTERNATIONAL SILVER CO.

HOLMES & EDWARDS
SILVERWARE

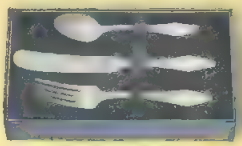


5-5483 [illegible] Server $1.96 each

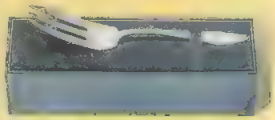


6-5484 Orange or Grapefruit Spoons $5.22 set of 6

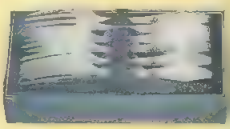
5-5485 Jelly or Jam Server $1.70 each



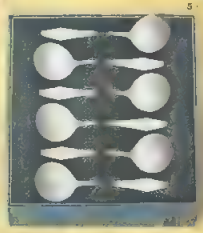
5-5486 [illegible] Knife $3.48
5-5487 [illegible] Knife 4.38



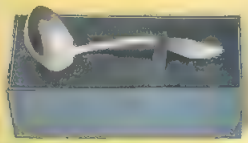
5-5488 Cake or Sandwich Server $2.22 each



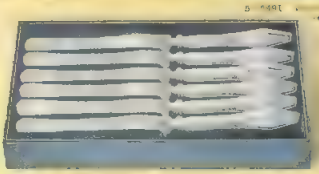
5-5489 [illegible] $9.90 set of 6
5-5490 [illegible] 7.80 set of 6



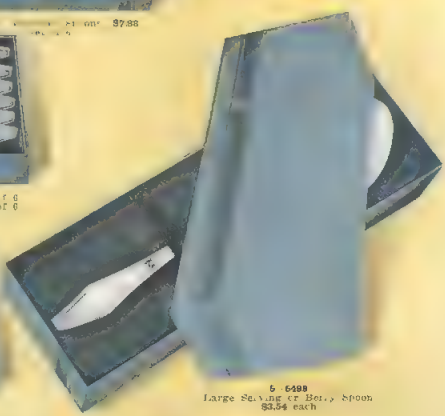
5-5491 [illegible] $7.86



5-5492 [illegible] or Serving Ladle, $2.65 each



5-5493 [illegible] $13.20 set of 6
5-5494 [illegible] Breakfast Knives 13.04 set of 6



5-5495 [illegible] $22.94
5-5496 [illegible] 24.26
5-5497 [illegible] 20.46
5-5498 [illegible] 21.54

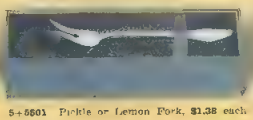
5-5499
Large Serving or Berry Spoon
$3.54 each

AMPS—W.N. [illegible] One-Third Size

INTERNATIONAL SILVER CO.

HOLMES & EDWARDS
SILVERWARE

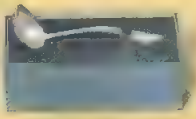
5+5500 Cold Meat Fork, $2.32 each



5+5501 Pickle or Lemon Fork, $1.38 each

5+5502 Sugar Shell and Butter Knife Set, $3.16

5+5503 Sugar Shell $1.48 each

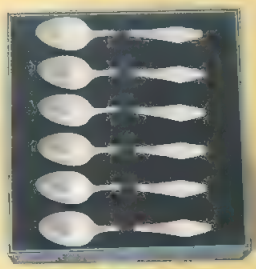


5+5504 Whipped Cream Ladle, $2.86 each

5+5505 Cake, Pie or Ice Cream Server, $4.86 each

8+5506 Iced Tea or Lemonade Spoons, $6.40 set of 6

5+5507 3 Piece Individual Carving Set Knife with 7 inch blade $16.68



5+5508 Five O'clock Tea Spoons, $4.56 set of 6

5+5509 Educator Set, $3.16

...new spring design Sugar Shell, the following pieces may be had: Tea Spoons, Dessert Spoons, Table Spoons, Breakfast Forks, Dinner Forks, H. H. Breakfast and Dinner Knives and Silverweld Knives. Prices on page 194

JAMESTOWN—Illustrated about One Third Size

INTERNATIONAL SILVER CO.

HOLMES & EDWARDS
SILVERWARE

Illustrations Full Size

SILVER INLAID
(Stamped Holmes & Edwards Silver Inlaid)

	Sets of Six	In lined Super Case
5+5444	Tea Spoons, per doz	$11.06
5+5445	Dessert Spoons, per doz	19.80
5+5446	Table Spoons, per doz	22.10
5+5447	Dinner Forks, per doz	31.50

SUPER PLATE
(Stamped Holmes & Edwards XIVHE)

5+5448	Tea Spoons, plain box, doz	$ 6.34
5+5449	Dessert Spoons, [illegible] doz	14.84
5+5450	Table Spoons, plain box, doz	15.68
5+5451	Dinner Forks, plain box, doz	16.68

SPOONS

5+5452	B. B. Soup, super case, doz	$17.72
5+5453	A. D. Coffee, super case, doz.	8.14
5+5454	Baby, Bent, super case, each	1.06

FORKS

5+5455	Tea, plain box doz.	$12.14
5+5456	Oyster, super case, doz	10.30
5+5457	Ice Cream, super case doz	12.88
5+5458	Individual Salad, super case doz	16.68
5+5459	Cake, super case doz	2.22

KNIVES

5+5460	Butter, super case, each	$ 1.68
5+5461	Butter Spreaders, super case, doz	14.38

LADLES

5+5462	Cream, super case each	$ 1.98
5+5463	Soup, super case, each	7.84

MISCELLANEOUS

5+5464	Sugar Tongs, super case each	$ 2.66
5+5465	Tomato Server, super case, each	3.54

HOLLOW HANDLE CUTLERY
(Dinner and Breakfast Knives may be had in Super Roll without extra charge)

5+5466	H. H. Dinner Forks, super case doz	$25.38
5 5467	H. H. Dinner Knives, super case doz	26.38
5+5468	H. H. Butter Spreaders, super case, doz	26.38
5+5469	H. H. Cheese Server, super case, each	2.78
5+5470	3-Piece H. H. Carving Set, 8", super case, each	19.50
5+5471	2 Piece H. H. Carving Set 8", super case, each	13.98
5+5472	2 Piece H. H. Carving Set 7", super case each	11.98
5+5473	2 Piece H. H. Carving Set, 6" super case each	9.08

SILVERWELD KNIVES
Solid Pattern Handle with Steel Blade)

5 5474	Silverweld Knives super cases, doz	$17.82

SUPER PLATE
Each set in Super Case

7 PIECE SETS

5+5475	Berry Shell and Cold Meat Fork, each	$ 5.78
5 5478	H. H. Salad Spoon and Fork with Olivewood Bowl and Tines, each	11.08

5-PIECE SETS

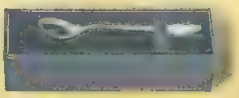
5+5477	Student's Tea, Breakfast Fork, H. H. Knife, each	$ 4.64
5+5476	Educator spoon Fork, H. H. Knife, each	4.80

12 PIECE SETS
Knife and Fork Sets

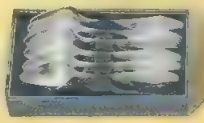
5+5479	6 Silverweld Knives and 6 Dinner Forks, super case silver inlaid	$19.98
5+5480	Super plate	17.26
5+5481	6 Silverweld Knives and 6 Breakfast Forks, super case, silver inlaid	13.76
5+5482	Super plate	16.28

INTERNATIONAL SILVER CO.

HOLMES & EDWARDS
SILVERWARE

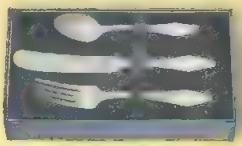


5-5483 [illegible] Server $1.96 each

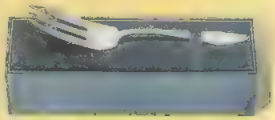


6-5484 Orange or Grapefruit Spoons $5.22 set of 6

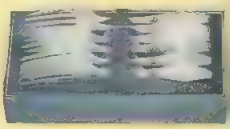
5-5485 Jelly or Jam Server $1.70 each



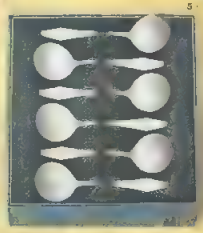
5-5486 [illegible] Knife $3.48
5-5487 [illegible] Knife 4.38



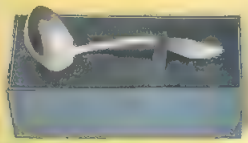
5-5488 Cake or Sandwich Server $2.22 each



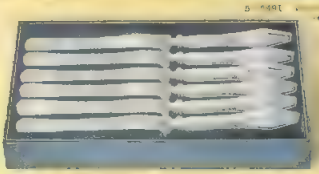
5-5489 [illegible] $9.90 set of 6
5-5490 [illegible] 7.80 set of 6



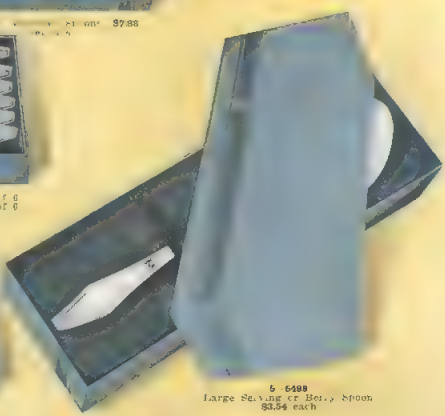
5-5491 [illegible] $7.86



5-5492 [illegible] or Serving Ladle, $2.65 each



5-5493 [illegible] $13.20 set of 6
5-5494 [illegible] Breakfast Knives 13.04 set of 6



5-5495 [illegible] $22.94
5-5496 [illegible] 24.26
5-5497 [illegible] 20.46
5-5498 [illegible] 21.54

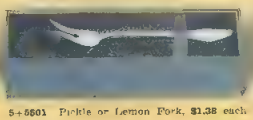
5-5499
Large Serving or Berry Spoon
$3.54 each

AMPS—W.N. [illegible] One-Third Size

INTERNATIONAL SILVER CO.

HOLMES & EDWARDS
SILVERWARE

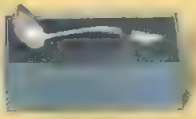
5+5500 Cold Meat Fork, $2.32 each



5+5501 Pickle or Lemon Fork, $1.38 each

5+5502 Sugar Shell and Butter Knife Set, $3.16

5+5503 Sugar Shell $1.48 each

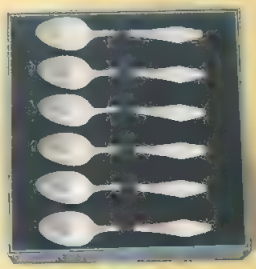


5+5504 Whipped Cream Ladle, $2.86 each

5+5505 Cake, Pie or Ice Cream Server, $4.86 each

8+5506 Iced Tea or Lemonade Spoons, $6.40 set of 6

5+5507 3 Piece Individual Carving Set Knife with 7 inch blade $16.68



5+5508 Five O'clock Tea Spoons, $4.56 set of 6

5+5509 Educator Set, $3.16

...new spring design Sugar Shell, the following pieces may be had: Tea Spoons, Dessert Spoons, Table Spoons, Breakfast Forks, Dinner Forks, H. H. Breakfast and Dinner Knives and Silverweld Knives. Prices on page 194

JAMESTOWN—Illustrated about One Third Size

INTERNATIONAL SILVER CO.

HOLMES & EDWARDS
SILVERWARE

H. H. Dinner Knife Dinner Fork

SILVER INLAID

(Stamped Holmes & Edwards Silver Inlaid)
Sets of Six In Inlaid Super Case

5+5376	Tea Spoons, per doz.	$11.06
5+5377	Dessert Spoons, per doz	19.80
5+5378	Table Spoons, per doz.	22.10
5+5379	Breakfast Forks, per doz	19.80
5+5380	Dinner Forks, per doz.	22.10

SUPER PLATE

(Stamped Holmes & Edwards XIVHE)

5 5381	Tea Spoons, plain box, doz.	$ 8.24
5+5382	Dessert Spoons, plain box, doz.	14.84
5+5383	Table Spoons, plain box, doz.	16.68
5+5384	Breakfast Forks, plain box, doz.	14.84
5+5385	Dinner Forks, plain box, doz.	16.68

SPOONS

5+5386	Orange, super case, doz.	$10.64
5+5387	Bouillon, super case, doz.	15.78
5+5388	Berry Shell, super case, each	3.54
5+5389	Olive, super case each	1.98

MISCELLANEOUS

5+5390	Jelly Server, super case, each	$1.70

HOLLOW HANDLE CUTLERY

(Dinner and Breakfast Knives may be had in Super Roll without extra charge)

5+5391	H. H. Dinner Knives, super case doz.	$26.38
5+5392	H. H Breakfast Knives, super case, doz.	26.06
5+5393	H H. Dinner Forks, super case, doz.	26.38
5+5394	H. H. Fruit Knives, super case, doz.	26.38
5+5395	H. H Butter Spreaders, super case, doz.	26.38
5+5396	H H Cheese Server, super case, each	2.76

SILVERWELD KNIVES

(Solid Pattern Handle with Steel Blade)

5+5397	Silverweld Knives, super case, doz.	$17.82

SUPER PLATE

Each set in Super Case

2-PIECE SETS

5 5398	Berry Shell and Cold Meat Fork, per set	$5.78

3-PIECE SETS

5+5399	Student's Tea, Breakfast Fork, H. H Knife, each	$ 4.64
5+5400	Child's Set (Flat Knife), set	3.46
5+5401	Child's Set (H. H Knife), set	4.36
5+5402	Educator Spoon, Fork, H. H. Knife, each	4.80

12-PIECE SETS

Knife and Fork Sets

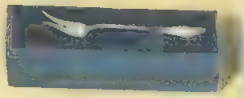
5+5403	6 Silverweld Knives and 6 Dinner Forks, silver inlaid, super case	$19.98
6+5404	Super plate	17.26
5+5405	6 Silverweld Knives and 6 Breakfast Forks, silver inlaid super case	18.76
5+5406	Super plate	16.98

THE HOSTESS

Illustrations Full Size

INTERNATIONAL SILVER CO.

HOLMES & EDWARDS
SILVERWARE



5+5407 Pickle or Lemon Fork, $1.38 each

5+5408 Sliced Tomato, Waffle, Egg and Vegetable Server, $3.54 each

5+5409 Ice Cream Forks, $6.44 set of 6

5+5410 2 Piece Educator Set, $2.16

5+5411 Cold Meat Fork $2.22 each

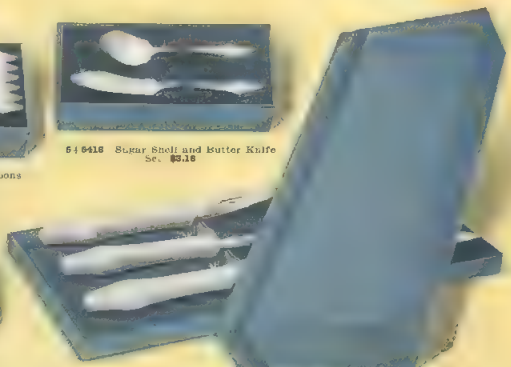
5+5414 Five O'clock Tea Forks, $6.08 set of 6

5+5412 Baby Spoon, bent handle, $1.08 each

5+5413 H H Cake, Pie or Ice Cream Server, $4.56 each

5+5415 Iced Tea or Lemonade Spoons $6.40 set of 6

5+5416 Sugar Shell and Butter Knife Set $3.16

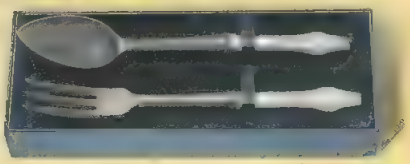


5+5419 3-Piece Large Carving Set knife with 9 inch blade $19.50

5+5417 Whipped Cream Ladle $1.96 each
5+5418 Gravy Ladle $2.60 each

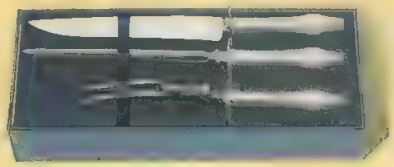
THE HOSTESS—Illustrated about One Third Size

HOLMES & EDWARDS
SILVERWARE



5+5420 Salad Serving or Chafing Dish Set, with olive wood bowl and tines, $11.68

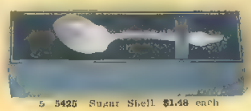
5+5421 Round Bowl Soup Spoons, $8.36 set of 6



5+5422 3-Piece Individual Carving Set, knife with 7-inch blade, $16.68

5+5423 After Dinner Coffee Spoons, $4.08 set of 6

5+5424 Butter Knife $1.68 each



5+5425 Sugar Shell $1.48 each

5+5426 Dessert or Cereal Spoons, Super Plate, $7.30 set of 6

5+5427 H. H. Fruit or Orange Knives, $13.20 set of 6

5+5428 Tea Spoons, Super Plate, $4.18 set of 6

5+5429 Soup Ladle, $7.84 each

5+5430 Oyster or Lobster Forks, $5.10 set of 6

THE HOSTESS—Illustrated about One-Third Size

INTERNATIONAL SILVER CO.

High Grade Kitchen Cabinets

POLISHED METAL AND WHITE PORCELAIN SLIDING TOPS

Complete With Glass Jar Equipment

Clean. Sanitary. Durable.

Exceptional Finish

Nickel Trimmed

Sliding Top

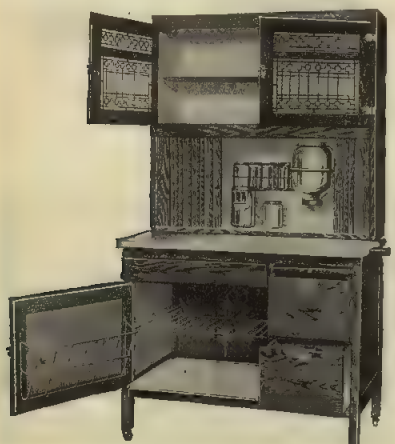
Metal Base Pan.

This kitchen cabinet is of modest proportions, neatly nickel trimmed and fitted with nickel refrigerator hardware. Completely equipped with glass jars. Interior of top compartments smoothly white enameled. Drop roll curtain allows unobstructed working surface inside. Roll floor bin with sifter. Height, 70 in., width, 40 in., depth, 26 in. Weight crated, 330 lbs.

No **28-32M/109** Polished metal top..... $63.00
No **28-32F/109** White porcelain top..... 71.00

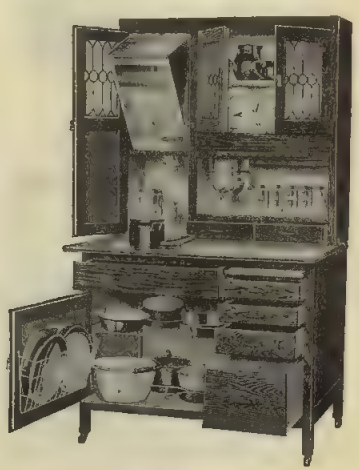
The latest design in kitchen cabinets. A work guide and cabinet combined. Nickel trimmed refrigerator hardware. Drop roll curtain. Two tray drawers. Large lower cabinet. Metal floor bin. Top cabinet similar to our No. 74-16M/109. Full glass jar equipment. Metal bread and cake drawers. Handy revolving and adjustable seat attached. Beautiful and very practical.

No **75S-35EM/109** Polished metal top..... $88.00
No **75E-35EP/109** White porcelain top..... 96.00



This is a very desirable cabinet because of the enlarged upper cabinet compartment. The floor bin has been omitted and placed in the second drawer with bread board in the lower drawer. Side roll front curtains allow maximum working space on the sliding top. Nickel trimmed. Interior of top compartment white enameled. Complete glass jar equipment. Height, 70 in.; width, 40 in., depth, 26 in. Crated weight, 310 lbs.

No **42-30M/109** Polished metal top..... $52.00
No. **42-30F/109** White porcelain top..... 57.00



A cabinet complete in every detail. An exceptionally large drawer space—seven drawers. Large lower cabinet space with shelf and bracket. Metal bread and cake drawer. Sliding top. Roll front curtain. Glass front inclining floor bin. Complete glass jar equipment. Interior of top compartment white enameled. Height, 70 in. width, 40 in. depth, 26 in. Crated weight, 360 lbs.

No **74-16M/109** Polished metal top..... $76.00
No. **74-16F/109** White enameled top..... 84.00

These styles may also be obtained in all white enamel finishes. Write for prices. F. O. B. Northern Indiana factory.

White Enamel Kitchen Cabinets

SPECIAL FEATURES

Art Glass Panels.

Removable Roller Curtain.

Five Spice Jars, Tea and Coffee Jars.

Improved Sugar Jars.

Porcelain Top on Roller Bearings.

Subdivided Top Drawer.

Exclusive Drawer Guides.

Metal Lined Bread or Cake Drawer.

Dust-proof Corners.

Full Enameled Cupboard.

Center Bread and Cutting Board.

Special Lowering Flour Bin
50 lb. Capacity.

Sanitary Sliding Wire Shelf.

Wire Pan Rack.

Nickel Trim.

Full Paneled Sanitary Base.

OUR NEW SNOW WHITE KITCHEN TIME-SAVER

This Cabinet is complete in every way and in addition has the advantage of being one of the best constructed on the market.

Specifications

Height, 5 ft. 8 in.; width, 3 ft. 5½ in. Depth, top, 12 in.; base, 2 ft. 1 in. Exclusive roller bearings. Complete enameled in snow white. The most attractive cabinet made.

No. T6½/108 "Snow White" Cabinet. Each...$80.00

F. O. B. factory.

White Enamel Inside and Outside.

Nickel Plated Refrigerator Hardware.

Beautiful. Sanitary. Durable.

Dust-Proof Construction.

This cabinet, like the others, is made of kiln dried softwood, carefully prepared and enameled, which will not check or peel when subjected to the heat and moisture of the ordinary kitchen. All doors are white enamel paneled. Entire cabinet is nickel trimmed, fitted with refrigerator hardware. Front drop roll curtain. Complete glass jar equipment. Metal bread and cake drawers. Sliding top. Metal base pan in lower cabinet. Tilting flour container with sifter.

No. 28E-26EM, 108 Polished metal top $68.00
No. 29E-26BP, 108 White porcelain top 73.00

This is a very practical and attractive cabinet. Note the extra roomy compartments on account of omitting flour bin. The two deep drawers in the base are for flour and bread. The two large doors in the upper cabinet are fitted with Florentine glass. Nickel trimmed. Glass jar equipment. Inclining white enameled wood bin for sugar. Full sliding top, food chopper block cutting board, wire trays and shelf metal base pan. Height, 70 in.; width, 40 in.; depth, 26 in. Weight crated, 210 lbs.

No. 43E-30EM, 108 Polished metal top $78.00
No. 43E-30BP, 108 White porcelain top 83.50

F. O. B. Northern Indiana Factory.

PORCE-NAMEL

(Trade Mark Registered)

"THE BETTER KITCHEN TABLE"

F. O. B. Indiana Factory

NOTABLE FEATURES:

"Better Kitchen Tables" must not be confused with kitchen cabinets The hardwood construction and 3-coat finish of "Better Kitchen Tables" are of such a different and higher type that there is no comparison

Backs, Bottoms, Ends and Doors are full 3-ply panel construction

Backs and Ends are finished just as well as the fronts This is a special feature and permits the housewife to set her "Better Kitchen Table" in the center of the kitchen and work around it.

Cupboards, also compartments for flour bins, bread and cake drawers have tight bottoms and sides, making them dust proof. Cupboards are finished inside

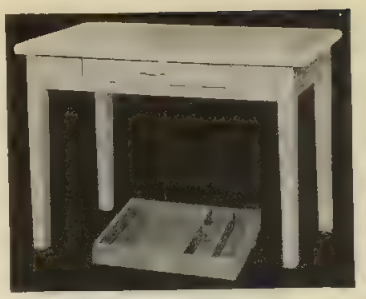
Bread and Cake Drawers and Flour Bin are metal throughout, including covers. Wood front is securely fastened to metal end.

Chopping Block is made of hard maple 1⅛ in. thick, 11x16 in.

Kneading or Mixing Board is made of whitewood ⅝ in. thick, 17x18 in. Has end cleats to prevent warping

Bracket for food chopper is furnished with all "Better Kitchen Tables" when fitted with "Alba-Iron" porcelain top.

Seats are 11 in. in diameter. Swing on arm, revolve on rod. These seats are an exclusive feature and have many advantages over the wood stool commonly used in kitchens.



PORCE-NAMEL—"The Better Kitchen Table"

Three-coat enamel finish. Nickeled trimmings. 2¼ in. solid tapered legs. Drawer full dove-tailed, 18x18 in., boxed in 3 ply bottom Shipped K. D. Weight, 75 lbs.

No. **GA ,110** "Alba-Iron" porcelain top, 28x42 in..... $20.00
No. **GA2, 110** "Alba-Iron" porcelain top, 27x48 in..... $5.10
Single crating $1.00 extra.

KITCHEN TABLE. MODEL B.

Three-coat enamel finish on front, back and ends. Nickeled trimmings. Six 1¾ in. legs. Lower drawer holds 40 lbs. of flour, metal throughout, draws easily, and flips down while stops door to the front. Cupboard and metal and sanitary sliding shelf. Small spice and cover for bread and cakes, moves on special guide that cannot bind. Every drawer 20x16x3 in. Table top, bread, kneading and chopping block same as in Model E. Weight, 160 lbs.

No. **BA 110** Alba Iron" porcelain top, 28x42 in $58.50

KITCHEN TABLE. MODEL C.

Three-ply enamel finish on front, back and ends. Nickeled trimmings. Six 1¾ in. legs. Lower drawer holds 40 lbs. of flour, metal throughout, draws easily, and flips down while stops door to the front. Cupboard and metal and sanitary sliding shelf. Small spice and cover for bread and cakes, moves on special guide that cannot bind. Every drawer 20x16x3 in. Table top, bread, kneading and chopping block same as in Model E. Weight, 160 lbs.

No. **CA/110** "Alba-Iron" porcelain top, 28x42 in $57.00
If wanted without seat, deduct $4.00 from price.

KITCHEN TABLE. MODEL D.

Three coat enamel finish on front, back and ends. Nickeled trimmings. 8 in 1¾ in legs. Cupboard has 3-ply reinforced sliding shelf and bottom. Kneading board and chopping block same as in Model E Weight, 130 lbs.

No. **DA 110** "Alba Iron" porcelain top, 28x42 in $53.50
If wanted without seat, deduct $4.00 from price

KITCHEN TABLE. MODEL A.

Three-coat enamel finish on front, back and ends. Nickeled trimmings. Eight 1¾ in. legs. Flour, bread and cutlery drawers same as in Model C. Cupboard has 3 ply reinforced sliding shelf and bottom. Kneading board and chopping block same as in Model E. Weight, 200 lbs.

No. **AA 110** Alba-Iron" porcelain top, 27x56 in $76.00
If wanted without seat, deduct $4.00 from price.

Seat and Bracket ordered extra, price $7.70

DOLLS

AMERICAN

HORSMAN MAMA DOLL

With Genuine Lloyd Voices

Sleeping Eyes

Cotton Stuffed Body; Composition Arms and Legs; Movable Hips and Shoulders; Sleeping Eyes; Glued Wig with Long Curls; Fancy Silk Romper Dress with White Silk Waist; Two Color Bonnet to Match; White Undergarments; Socks and Slippers

Per Dozen

No. 827—Height, 19½ inches; Weight per Dozen, 39 lbs $198 00

Twelfth Dozen in a Box

Sleeping Eyes

Cotton Stuffed Body; Movable Hips and Shoulders; Composition Forearms and Hands; Sleeping Eyes; Glued Wig with Curls; Fancy Trimmed Baby Dress with Fancy Bonnet to Match, White Undergarments; Socks and Slippers

Per Dozen

No. 824—Height, 21 inches; Weight per Dozen, 48 lbs $180 00

Twelfth Dozen in a Box

Sleeping Eyes

Cotton Stuffed Body; Composition Arms and Legs; Movable Hips and Shoulders; Sleeping Eyes; Glued Wig with Curls; Fancy Crepe Dress and Bloomers, with Trimmed Bonnet to Match White Undergarments; Socks and Slippers

Per Dozen

No. 826—Height, 19 inches; Weight per Dozen, 36 lbs $168.00

Twelfth Dozen in a Box

Cotton Stuffed Body; Movable Hips and Shoulders; Composition Legs and Arms; Sleeping Eyes; Glued Wig with Curls; Fancy Printed Romper Dress with White Waist and Bonnet to Match; White Undergarments; Socks and Slippers.

Per Dozen

No. 825—Height, 19½ inches; Weight per Dozen, 36 lbs $150 00

Twelfth Dozen in a Box

DOLLS

AMERICAN

HORSMAN MAMA DOLLS

With Genuine Lloyd Voices

Sleeping Eyes

Cotton Stuffed Body; Composition Arms and Legs; Movable Hips and Shoulders; Glued Wig with Curls; Sleeping Eyes; White Lace Trimmed Lawn Baby Dress with Fancy Trimmed Bonnet to Match; Plain White Undergarments; Socks and Slippers.

Per Dozen

No. 823—Height 20 inches; Weight per Dozen, 36, lbs . . $150 00

Twelfth Dozen in a Box

Sleeping Eyes

Cotton Stuffed Body; Composition Hands; Movable Hips and Shoulders; Glued Wig with Curls; Sleeping Eyes; White Lace Trimmed Lawn Dress with Fancy Bonnet to Match; White Lace Trimmed Undergarments; Socks and Slippers

Per Dozen

No. 822—Height, 17 inches; Weight per Dozen, 34 lbs. $114 00

Twelfth Dozen in a Box

Sleeping Eyes

Cotton Stuffed Body; Composition Hands; Movable Hips and Shoulders; Glued Wig with Curls; Sleeping Eyes; Fancy Printed Lawn Dress with Bonnet; White Undergarments, Socks and Slippers

Per Dozen

No. 819—Height 18 inches; Weight per Dozen, 36 lbs. $102 00

Twelfth Dozen in a Box

Cotton Stuffed Body; Composition Hands; Movable Hips and Shoulders; Painted Eyes and Hair; Romper Dress with Pockets; Shoes and Stockings.

Per Dozen

No. 818—Height 19 inches; Weight per Dozen 36 lbs. $84 00

Twelfth Dozen in a Box

DOLLS

AMERICAN

HORSMAN MAMA DOLLS
With Genuine Lloyd Voices

Cotton Stuffed Body; Composition Forearms, Movable Hips and Shoulders; Painted Eyes and Hair; White Lace Trimmed Lawn Dress with Fancy Trimmed Bonnet to Match; White Undergarments; Socks and Slippers. Genuine Lloyd Voice.

Per Dozen

No. 821 — Height, 19 inches; Weight per Dozen, 36 lbs..... **$96 00**

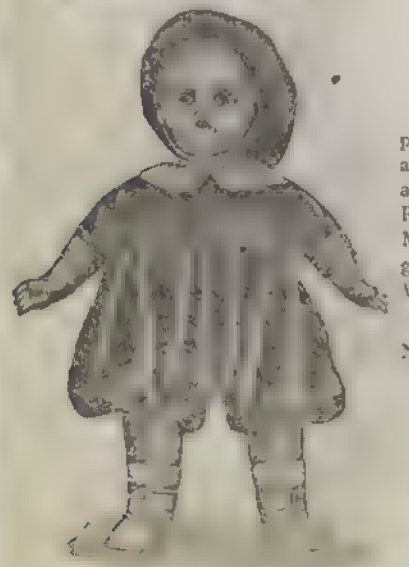
Twelfth Dozen in a Box

Cotton Stuffed Body; Composition Forearms Movable Hips and Shoulders; Painted Eyes and Hair; White Lawn Lace Trimmed Dress with Bonnet to Match; White Undergarments; Socks and Slippers; Genuine Lloyd Voice.

Per Dozen

No. 820—Height, 18 inches; Weight per Dozen, 36 lbs..... **$84 00**

Twelfth Dozen in a Box



Cotton Stuffed Bodies; Composition Hands; Movable Hips and Shoulders; Painted Eyes and Hair; Nicely Trimmed Romper Dress with Bonnet to Match. White Trimmed Undergarments; Socks and Slippers; With Genuine Lloyd Voice

Per Dozen

No. 817 Height 17 inches, Weight per Dozen, 24 lbs..... **$72 00**

Twelfth Dozen in a Box

DOLLS

AMERICAN

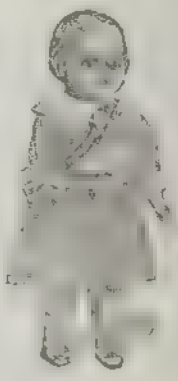
HORSMAN DOLLS

Cotton Stuffed Bodies; Composition Hands Movable Hips and Shoulders; Painted Eyes and Hair; White Lace Trimmed Baby Dress, with Bonnet to Match; White Trimmed Undergarments; Socks and Slippers.

Per Dozen

No. 816—Height, 14½ inches; Weight per Dozen 11 lbs **$00 00**

Twelfth Dozen in a Box



Stuffed Body; Composition Hands; Movable Hips and Shoulders, Painted Eyes and Hair, White Organdie Lace Trimmed Dress with Red Riding Hood Jacket; Lace Trimmed Bonnet; Lace Trimmed Undergarments; Socks and Slippers.

Per Dozen

No. 811 Height 15 inches, Weight per Dozen, 15 lbs.. **$54 00**

Twelfth Dozen in a Box

Stuffed Body; Composition Hands; Movable Hips and Shoulders; Painted Eyes; Glued Wig with Ribbon Bow; Fancy Organdie Lace Trimmed Dress, with White Waist; Lace Trimmed Undergarments; Socks and Slippers.

Per Dozen

No. 810—Height, 16 inches; Weight per Dozen, 12 lbs..... **$48.00**

Twelfth Dozen in a Box

Stuffed Body; Composition Hands; Movable Hips and Shoulders; Painted Eyes; Glued Wig with Ribbon Bow; Fancy Printed Lawn Dress, with Lace Trimmed Bib; Knitted Socks and Slippers; White Undergarments.

Per Dozen

No. 809 –Height, 16½ inches; Weight per Dozen, 18 lbs **$48 00**

Twelfth Dozen in a Box

DOLLS

AMERICAN
HORSMAN DOLLS

With Genuine American Crying Voice

Cotton Stuffed Body; Composition Hands; Movable Hips and Shoulders; Painted Eyes and Hair; Two Color Lace Trimmed Dress with Bonnet to Match White Undergarments; Sock and Slippers

Per Dozen

No. 815—Height, 12½ inches; Weight per Dozen, 15 lbs **$43 20**

Twelfth Dozen in a Box

With Genuine American Crying Voice

Stuffed Body; Composition Hands, Movable Hips and Shoulders; Painted Eyes and Hair, Lace Trimmed White Baby Dress and Bonnet; Lace Trimmed Undergarments; Knitted Bootees.

Per Dozen

No. 812—Height, 12 inches; Weight per Dozen, 12 lbs..... **$39.60**

Twelfth Dozen in a Box

With Genuine American Crying Voice

Stuffed Body; Composition Forearm; Movable Arms and Legs, Painted Eyes and Hair; White Lawn Baby Dress with Bonnet to Match, Lace Trimmed Undergarments; Socks and Slippers.

Per Dozen

No. 813—Height 12 inches; Weight per Dozen, 15 lbs **$39 60**

Twelfth Dozen in a Box

With Genuine American Crying Voice

Stuffed Body; Composition Hands, Movable Hips and Shoulders; White Lace Trimmed Baby Dress with Bonnet; Painted Eyes and Hair; Lace Trimmed Undergarments; Socks and Slippers.

Per Dozen

No. 814—Height, 11 inches; Weight per Dozen, 12 lbs..... **$33 00**

Twelfth Dozen in a Box

DOLLS

AMERICAN
HORSMAN DOLLS

Stuffed Body; Movable Hips and Shoulders; Composition Hands; Painted Eyes and Hair with Fancy Ribbon Bow; Linen Dress Lace Trimmed; White Undergarments; Socks and Slippers.

Per Dozen

No. 808—Height, 16½ inches; Weight per Dozen, 18 lbs.. **$39 60**

Twelfth Dozen in a Box

Stuffed Body; Composition Hands; Movable Hips and Shoulders; Painted Eyes and Hair, with Ribbon Bow; Plain Colored Lawn Dress with Lace Trimmings; Lace Trimmed Undergarments; Socks and Slippers.

Per Dozen

No. 807—Height, 16 inches; Weight per Dozen, 14 lbs **$39.60**

Twelfth Dozen in a Box

Stuffed Body; Composition Hands; Movable Hips and Shoulders; Painted Eyes and Hair with Ribbon Bow; Organdie Lace Trimmed Dress with White Waist; Plain White Undergarments; Socks and Slippers.

Per Dozen

No. 806—Height, 14 inches; Weight per Dozen, 12 lbs..... **$28 80**

Twelfth Dozen in a Box

Stuffed Body; Composition Hands; Movable Hips and Shoulders; Painted Eyes and Hair with Ribbon Bow; Fancy Organdie Lace Trimmed Dress; Plain White Undergarments; Socks and Slippers.

Per Dozen

No. 805—Height, 14 inches; Weight per Dozen 12 lbs... **$28.80**

Twelfth Dozen in a Box

KITCHEN CABINETS

IXL

Built of the Best Kiln-Dried Lumber, Accurately and Perfectly Constructed by the Most Expert Workmen, so That There is Absolutely No Danger of Warping, Swelling and Getting Out of Shape. This Means That the Drawers will Always Slide Easily and That the Various Compartments and Indeed the Whole Cabinet Will Remain Free From Unsightly Cracks or Crevices; Ant Proof Casters.

This Line of Cabinets Has All of the Compartments and Accoutrements Known in Such Pieces of Kitchen Furniture. Each is Supplied with a Complete Set of Glassware Consisting of Five Spice Jars, One Tea, One Coffee and One Large Jar for Sugar, Except in Instances Where the Latter is Wood. Then There are Sifter, Flour Bins, Bread Boards, Meat Chopper Blocks Etc., Especial Care Being Used to Keep All Compartments Dust Proof.

The Tops are Polished Metal or White Porcelain, Forming a Rare Combination of Beauty and Usefulness.

Nickeled Trimmings; Drop Roll Curtain; Glass Jar Equipment; Glass Front, Lowering Flour Bin; Metal Bread and Cake Drawers, Metal Pastry Cooler; Divided Cutlery Drawer Over Base and Sliding Top.

Height, 73 in.; Width, 50 inches; Depth, 28 in.; Weight, crated, 310 lbs.

ALL WHITE ENAMELED	Each
✣No. 9E 19F MT—Metal Top	$102 00
✣No. 9E 19F PT—Porcelain Top	111 00

GOLDEN OAK	Each
✣No. 9/19/MT—Metal Top	$93 00
✣No. 9/19 PT—Porcelain Top	104.00

Nickeled Trimmings; Drop Roll Curtain; Glass Jar Equipment; Glass Front, Lowering Flour Bin, Metal Bread and Cake Drawers; Divided Cutlery Drawer Over Base; Full Sliding Top.

Height, 73 inches; Width, 48 inches; Depth, 28 inches; Weight, crated, 315 lbs.

ALL WHITE ENAMELED	Each
✣No. 4E/12E/MT—Metal Top	$88 00
✣No. 4E/12E, PT—Porcelain Top	96 00

GOLDEN OAK	Each
✣No. 4/12, MT—Metal Top	$80.00
✣No. 4/12/PT—Porcelain Top	88.00

Nickeled Trimmings; Drop Roll Curtain; Glass Jar Equipment; Glass Front, Lowering Flour Bin, Metal Bread and Cake Drawers; Metal Pastry Cooler, Divided Cutlery Drawer Over Base; Full Sliding Top.

Height, 70 in., Width, 48 inches, Depth, 28 in.; Weight, Crated, 300 lbs.

ALL WHITE ENAMELED	Each
✣No. 3F 12F/MT—Metal Top	$84 00
✣No 3E 12E PT—Porcelain Top	92 00

GOLDEN OAK	Each
✣No. 3/12 MT—Metal Top	$76 00
✣No. 3/12/PT—Porcelain Top	84 00

Nickeled Trimmings; Drop Roll Curtain; Glass Jar Equipment; Glass Front, Lowering Flour Bin; Metal Bread and Cake Drawers; Divided Cutlery Drawer Over Base; Full Sliding Top.

Height, 70 inches, Width, 40 inches; Depth, 26 inches; Weight, Crated, [illegible] lbs.

ALL WHITE ENAMELED	Each
✣No. 5E/14E/MT—Metal Top	$70.00

	Each
✣No. 5E/14E/PT—Porcelain Top	$76 00

Items Marked ✣ Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory F. O. B. Goshen, Ind.

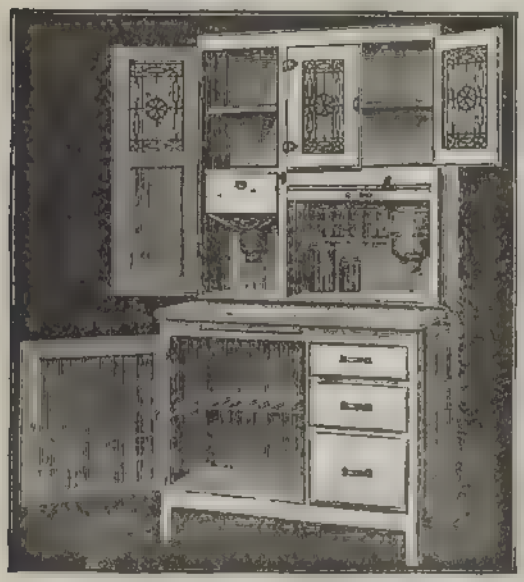
KITCHEN CABINETS

IXL

Built of the Best Kiln Dried Lumber, Accurately and Perfectly Constructed by the Most Expert Workmen, so That There is Absolutely No Danger of Warping, Swelling and Getting Out of Shape. This Means That the Drawers will Always Slide Easily and That the Various Compartments and Indeed the Whole Cabinet Will Remain Free From Unsightly Cracks or Crevices; Ant Proof Casters

This Line of Cabinets Has All of the Compartments and Accoutrements Known in Such Pieces of Kitchen Furniture. Each is Supplied with a Complete Set of Glassware Consisting of Five Stone Jars, One Tea, One Coffee and One Large Bin for Sugar, Except in Instances Where the Latter is Wood. Then There are Sifter, Flour Bins, Bread Boards, Meat Chopper Blocks, Etc. Especial Care Being Used to Keep All Compartments Dust Proof.

The Tops are Polished Metal or White Porcelain, Forming a Rare Combination of Beauty and Usefulness



Nickeled Trimmings; Drop Roll Curtain Glass Jar Equipment Lowering Flour Bin, Metal Bread and Cake Drawers, Full Sliding Top.

Height 70 inches, Width, 36 inches, Depth, 26 inches, Weight, Crated, 210 lbs.

ALL WHITE ENAMELED

	Each
✣No. 8E/18E/PT—Porcelain Top	$64 00

Nickeled Trimmings; Drop Roll Curtain; Glass Jar Equipment; Tilting Flour Bin, Metal Bread and Cake Drawers; Full Sliding Top.

Height, 70 ins., Width, 40 inches; Depth, 26 ins., Weight, Crated, 225 lbs.

ALL WHITE ENAMELED

	Each
✣No. 6E/15E/MT—Metal Top	$61.00
✣No. 6E/15E/PT—Porcelain Top	67.00

GOLDEN OAK

	Each
✣No. 6/15/MT—Metal Top	$53 00
✣No. 6/15/PT—Porcelain Top	59.00

Nickeled Trimmings; Drop Roll Curtain; Glass Jar Equipment; Tilting Flour Bin; Metal Bread and Cake Drawers; Full Sliding Top.

Height, 70 ins., Width, 40 inches; Depth, 26 ins., Weight, Crated, 225 lbs.

ALL WHITE ENAMELED

	Each
✣No. 7E/15E/MT—Metal Top	$57.00
✣No. 7E/15E/PT—Porcelain Top	63.00

Nickeled Trimmings; Drop Roll Curtain; Glass Jar Equipment; Tilting Flour Bin; Metal Bread and Cake Drawers; Full Sliding Top.

Height, 70 inches; Width, 40 inches; Depth, 28 inches; Weight, Crated, 200 lbs.

ALL WHITE ENAMELED

	Each
✣No. 29E/11E/MT—Metal Top	$46.00
✣No. 29E/11E/PT—Porcelain Top	52.00

GOLDEN OAK

	Each
✣No. 29/11/MT—Metal Top	$42 00
✣No. 29/11/PT—Porcelain Top	48 00

Items Marked ✣ Not Carried in Stock; Can Only be Furnished by Shipping Direct From Factory; F. O. B. Goshen, Ind.

KITCHEN CABINETS

IXL

Built of the Best Kiln-Dried Lumber, Accurately and Perfectly Constructed by the Most Expert Workmen, So That There is Absolutely No Danger of Warping, Swelling, Cracking or Getting Out of Shape. This Means That the Drawers Will Always Slide Easily, That the Various Compartments and Interior of the Whole Cabinet Will Remain Free From Unsightly Cracks or Crevices; Ant Proof Casters.

This Line of Cabinets Has All of the Compartments and Accoutrements Known in Such Pieces of Kitchen Furniture. Each is Supplied With a Complete Set of Glassware, Consisting of Five Spice Jars, One Tea, One Coffee and One Large Bin for Sugar. Except in Instances Where the Latter is Wood. Then There Are Two Flour Bins, Bread Boards, Meat Chopper Blocks, Etc., Especial Care Being Used to Keep All Compartments Dust Proof.

The Tops are Polished Metal or White Porcelain, Forming a Rare Combination of Beauty and Usefulness.

GOLDEN OAK

Nickeled Trimmings; Drop Roll Curtains; Glass Jar Equipment; Glass Front Lowering Flour Bin; Metal Bread and Cake Drawer; Divided Cutlery Drawer Over Base, Full Sliding Top.

Height, 70 inches; Width, 40 inches; Depth, 26 inches; Weight Crated, 240 lbs.

Same Cabinet all White Enameled, See Page 1058.

	Each
†No. 5/14/MT—Metal Top	$62 00
†No. 5/14/PT—Porcelain Top	68 00

GOLDEN OAK

Nickeled Trimmings; Drop Roll Curtains; Glass Jar Equipment; Metal Bread and Cake Drawers; Full Sliding Top.

Height, 70 inches; Width, 40 inches; Depth, 26 inches; Weight Crated, 225 lbs.

Same Cabinet all White Enameled, See Page 1059

	Each
†No. 7/15/MT—Metal Top	$49 00
†No. 7/15/PT—Porcelain Top	55 00

KITCHEN CABINET BASES

IXL

ALL WHITE ENAMELED

Nickeled Trimmings Stationary Top; Two Deep Drawers for Flour and Bread; Wire Racks.

Height 30 inches; Size Metal Top 27x40 inches; Porcelain Top 27x42 inches; Weight, Each, 130 lbs.

ALL WHITE ENAMEL

	Each
†No. 31TE/MT—Metal Top	$31 50
†No. 31TE/PT—Porcelain Top	37 50

GOLDEN OAK

	Each
No. 31T/MT—Metal Top	$27 50
No. 31T/PT—Porcelain Top	33.50

One in a Crate

KITCHEN TABLES

IXL

ALL WHITE ENAMELED

Tapered Legs from 2½ inch Square Stock, Equipped with Domes of Silence, Nickel Trimmings; White Porcelain Top 27x36 inches; Two Lip Drawers Finished Inside with Varnish, Size Drawers 4 x 16 inches, Weight, Each, 105 lbs.

	Each
†No. 110PT—Porcelain Top	$26 00

One in a Crate, Knocked Down

ALL WHITE ENAMELED

Tapered Legs from 2½ inch Square Stock, Equipped with Domes of Silence; Nickeled Trimmings; Porcelain Top 27x48 inches; Lip Drawers 4x20 inches; Finished with Varnish on Inside; Weight, Each, 90 lbs.

	Each
†No. 140PT—Porcelain Top, 27x42 inches	$15 00
†No. 105PT—Porcelain Top, 27x48 inches	19.00

One in a Crate, Knocked Down

ALL WHITE ENAMELED

Two Inch Square Stock Legs; Equipped with Domes of Silence; Nickeled Trimmings; Porcelain Top 25x40 inches; Lip Drawer, 4x16 inches, Finished Inside with Varnish; Weight, Each, 60 lbs.

	Each
†No. 150PT—Porcelain Top, 25x36 inches	$12 50
†No. 100PT—Porcelain Top, 25x40 inches	13 00

One in a Crate, Knocked Down

Items Marked † Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory, F. O. B. Goshen, Ind.

WATCHES

INGERSOLL MIDGET

Ladies model. Solid nickel case. Stem wind and set. Snap back and bezel. Adjustable movement. Arabic or Roman numerals.

	Size	Wt. each	Each
Midget Plain	6	2¼ ozs	$3.50

One in a box; twelve in a carton.

MIDGET RADIOLITE

Same as Midget, except has the Radiolite pointers and numerals.

	Size	Wt. each	Each
Midget Radiolite	6	2¼ ozs	$4 25

One in a box; twelve in a carton.

MIDGET WRIST RADIOLITE

Midget Radiolite Watch. Complete with leather wrist band adjustable to any size wrist.

	Size	Wt. each	Each
Midget Wrist Radiolite	6	2⅝ ozs	$4.50

One in a box, twelve in a carton.

INGERSOLL YANKEE

Solid nickel case, specially damaskeened back plates. New style bow and crown. New dial and new hands.

	Size	Wt. each	Each
Yankee Plain	16	3⅛ ozs	$2.00

One in a box, twelve in a carton

YANKEE RADIOLITE

As Yankee New Model, except has radium coated hands and figures.

	Size	Wt. each	Each
Yankee Radiolite	16	3⅛ ozs	$3 00

One in a box, twelve in a carton

ANSONIA MENTOR

Stem wind and stem set. Nickel plated case and crown bow. Arabic dial. Plain back. Beveled white crystal.

	Size	Wt. each	Each
Mentor	16	3⅛ ozs	$1.75

One in a box, twelve in a carton.

WATCHES

INGERSOLL

RELIANCE, PLAIN

Seven-jeweled. Flat model. Nickel bascine. Screw back case. Plain dial.

	Size	Wt each	Each
Reliance Plain	16	3⅝ ozs	$7 00

One in a box; twelve in a carton

RELIANCE, GOLD FILLED

Same as Reliance plain, except has ten-year gold filled screw back case.

	Size	Wt each	Each
Reliance Gold Filled	16	3⅝ ozs	$10.00

One in a box, twelve in a carton.

WATERBURY, PLAIN

Solid nickel case. Four-jeweled balance. Plain dial.

	Size	Wt each	Each
Waterbury Plain	12	2⅝ ozs	$5.00

One in a box; twelve in a carton.

WATERBURY, RADIOLITE

Same as Waterbury plain except has Radiolite dial.

	Size	Wt each	Each
Waterbury Radiolite	12	2⅝ ozs	$6 00

One in a box; twelve in a carton.

WATERBURY RADIOLITE, GOLD FILLED

Same as Waterbury plain except has Radiolite dial and gold filled case.

	Size	Wt each	Each
Waterbury Gold Filled	12	2⅝ ozs	$9.00

One in a box, twelve in a carton

ECLIPSE

Thin model. Solid nickel case, hinge back. Antique bow and crown. Stem wind and set. Arabic or Roman numerals. Porcelate dial.

	Size	Wt each	Each
Eclipse Plain	16	3⅛ ozs	$3.00

One in a box; twelve in a carton

ECLIPSE RADIOLITE

Same as Eclipse except has the Radiolite numerals and pointers. Dial is dark blue.

	Size	Wt each.	Each
Eclipse Radiolite	16	3⅛ ozs	$4.00

One in a box; twelve in a carton.

JUNIOR

Thin model. Solid nickel case, with antique bow and crown. Fitted with a regular 12 size movement in a 12 size case. White dial. Arabic or Roman numerals.

	Size	Wt each	Each
Junior	12	2⅝ ozs	$3.50

One in a box; twelve in a carton.

WATCHES

ANSONIA
DAY TIME

Stem wind and pendant set. Platinum finished case and crown bow. Arabic dial. Moon hands. Beveled white crystal.

No.	Size	Wt. each	Each
35	16	3½ ozs	$2.00

NIGHT TIME

Stem wind and pendant set. Platinum finished case and crown bow. Radium luminous black dial. Moon hands, and the numerals are coated with radium composition, making them easily read in the dark

No.	Size	Wt. each	Each
50	16	3¼ ozs	$2 50

NEW HAVEN
SPORTS TIMER

The Sports Timer combines a reliable time piece with an accurate stop watch. A touch of the slide on the upper left edge of the case and it's ready for timing, another touch and it's back on the job as a watch. Used extensively as a timer for basketball, hockey, football and all games or races regulated by time.

	Size	Wt. each	Each
Sports Timer	16	3½ ozs	$2.50

All above, one in a box; twelve in a carton.

WESTCLOX
POCKET BEN

A new thin model. Stem wind and stem set movement, with hardened steel lever pallets and detachable hair and main springs, which are easily removable without taking the works apart. Nickel finish.

	Size	Wt. each	Each
Pocket Ben	16	4 ozs	$1.50

One in a box; twelve in a carton.

GLO-BEN

Same style as Pocket Ben, except the dial numerals are coated with best grade radium mixture that can be obtained.

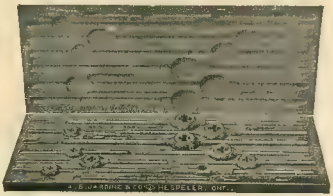
	Size	Wt. each	Each
Glo-Ben	16	4 ozs	$2,50

One in a box; twelve in a carton.

SCREW PLATES

JARDINE LIGHTNING SCREW PLATES

FULL STOCKED



IN HARDWOOD BOX

Furnished with "V" Oversize or U. S. Standard Thread

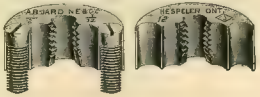
Each Die is in a Separate Stock and the Stocks of length proportionate to the size of Die. The necessary Tap Wrenches go with each set. Always ready; no changing Dies in Stock. Every Die in the Set can be in use at one time if required. Each Die is held firmly by Screws, and is easily and quickly adjusted to size. Each Stock is provided with a Guide Collar, to lead the Die straight on the Bolt. The Dies have clearance on the face, as well as the underside, and can be used to cut up to a shoulder without alteration or adjustment. There is no plate or other projection on the face of the Die to prevent it cutting right up to a shoulder if required.

	Per Set
Set No. 20—Cuts ¼ to ¾ inch, 7 Stocks, 7 Dies, 7 Taps, 1 Tap Wrench	$ 67.00
Set No. 25—Cuts ¼ to 1 inch, 9 Stocks, 9 Dies, 9 Taps, 2 Tap Wrenches	110.00

Specify Style of Thread required. We will send U. S. Standard unless otherwise ordered

JARDINE LIGHTNING DIES

Used with Sets Nos. 20 and 25



Size, Inches	¼	5/16	⅜	7/16	½	9/16	⅝	¾	7/8	1	1¼	1½
No. of Threads	20	18	16	14	12-13	12	11	10	9	7	7	7
Price, Each	**$3.20**	**3.20**	**3.80**	**3.80**	**4.80**	**4.80**	**6.00**	**7 60**	**9.60**	**16 80**	**18.40**	

When ordering, state whether Dies are wanted for Hand Stock or Machine. Also when ordering 1 inch or larger, give diameter of Die Block. Also specify whether "V" oversize or U. S. Standard Thread

Taper Head Screws for Dies. **Each**.....**$0.40** Headless Screws for Collets or Stocks..... **$0 24**

ADJUSTABLE TAP WRENCHES

	Each
No. 1—Holds Taps ⅛ to ½ inch, length 14 inches	$4.70
No. 2—Holds Taps ¼ to ¾ inch, length 17 inches	5 90
No. 3—Holds Taps ⅜ to 1 inch, length 24 inches	8.30

SCREW PLATES

JARDINE SPEED SCREW PLATES

FULL STOCKED

Furnished with "V" Oversize or U. S. Standard Thread

Per Set

Set No. 42—Cuts ¼ to ¾ inch, 7 Stocks, 7 Dies, 7 Taps, 1 Tap Wrench..... **$ 67.00**
Set No. 45—Cuts ¼ to 1 inch, 9 Stocks, 9 Dies, 9 Taps, 2 Tap Wrenches..... **110.00**

Specify style of Thread required. We will send U. S. Standard unless otherwise ordered

JARDINE ADJUSTABLE SPEED DIES

Used with Sets Nos. 42 and 45

The "Speed" is an Adjustable Spring Die, adjusted by means of a Taper Head Screw and Taper Nut in the open side of the Die. The Die is in one piece, being cut through on one side only, so that the two sides cannot get out of alignment with each other. It is held firmly in the Stock by Four Screws, one behind each Cutter, giving perfect support to the Cutters and rendering it as rigid and strong as a Solid Die and also freely adjustable.

Size, Inches.....	¼	5/16	⅜	7/16	½	9/16	⅝	¾	7/8	1	1⅛	1¼
No. of Threads.....	20	18	16	14	12-13	12	11	10	9	8	7	7
Price, Each.....	**$3.20**	**3.20**	**3.20**	**3.80**	**3.80**	**4.80**	**4.80**	**6.00**	**7.60**	**9.60**	**16.80**	**18.40**

Taper Head Screw with Nut. **Each**.....**$0.40** Headless Screws for Stock. **Each**.....**$0.24**

When ordering Speed Dies 1-inch or larger, give diameter of Die Block

Also specify whether "V" oversize or U.S. Standard Thread

STOCKS FOR SPEED AND LIGHTNING DIES

The Stock is provided with a wide opening on each side between the Die and the Guide, preventing the chips from crowding under the Die. The Guide Ring, being solid, gives ample service for wear.

Price, with Screws less Dies

To fit Die.....	¼	5/16	⅜	7/16	½	9/16	⅝	¾	7/8	1	1⅛	1¼
Each.....	**$3.00**	**3.00**	**3.60**	**4.20**	**4.70**	**5.90**	**5.90**	**6.60**	**8.10**	**10.60**	**14.00**	**14.00**

Specify whether required for Speed or Lightning Dies, as there is a slight difference

SCREW PLATES

BLACKSMITHS' STOCKS AND DIES

OLD STYLE

EACH SET PACKED IN WOODEN BOX

	Per Set
No. 53A—Cuts 1/16 to 5/16-in., Right Hand, 32, 24, 20 and 16 Threads to Inch. Four Taps and Four Sets of Dies	$ 9 20
No. 41D—Cuts 3/16 to 1/2-in., Right Hand, 20, 16 and 12 Threads to Inch. Six Taps and Three Sets of Dies	12 20
No. 37B—Cuts 3/16 to 5/8-in., Right Hand, 18, 16 and 14 Threads to Inch. Six Taps and Three Sets of Dies	14 20

EXTRA DIES			
For Set No.	53A	41D	37B
Per Set	$4.00	$4 00	$4 00
Each	1.90	1 90	1 90

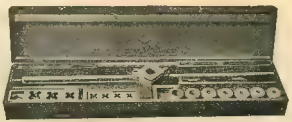
	Per Set
No. 34B—Cuts 5/16 to 3/4-in., Right Hand, 16, 14 and 12 Threads to Inch. Three Taps and Three Sets of Dies	$14.20
No. 32B—Cuts 1/4 to 3/4-in., Right Hand, 16, 14, 12 and 10 Threads to Inch. Four Taps and Four Sets of Dies	16.70
No. 32A Cuts 5/16 to 3/4-in., Right Hand, 14, 12, 11 and 10 Threads to Inch. Four Taps and Four Sets of Dies	16 70

EXTRA DIES			
For Set No.	34B	32B	32A
Per Set	$5 30	$6 00	$6 00
Each	2 00	2 00	2.00

EXTRA TAPS FOR ABOVE SETS

Size, Inches	1/8	3/16	1/4	5/16	3/8	7/16	1/2	9/16	5/8	3/4
Price, Each	$0 60	.70	.80	.90	.98	1 04	1 20	1 40	1.60	2.10

JARDINE SOLID DIE SETS



IN HARDWOOD CASE
Furnished with "V" Oversize or U. S. Standard Thread

	Per Set
Set "C"—Cuts 1/4-20, 5/16-18, 3/8-16, 7/16-14, 1/2-12 or 13, 5/8-11, 3/4-10. Seven Taps and Seven Dies. One stock. No Tap Wrench	$33.80

Tap Wrench can be supplied at an Extra Charge

	Per Set
Set "F".—Cuts 7/8-9, 1-8, 1 1/8-7, 1 1/4-7. Four Taps and Four Dies. One Stock. No Tap Wrench	$63 70

Tap Wrench can be supplied at an Extra Charge
Set "F" is not carried in stock at Winnipeg

JARDINE SOLID SQUARE DIES

Used with Sets "C" and "F"

Size, ins.	1/4	5/16	3/8	7/16	1/2	9/16	5/8	3/4	7/8	1	1 1/8	1 1/4
Square, ins.	1	1	1	1	1 1/8	1 1/8	1 1/8	1 1/8	2	2	2 1/2	2 1/2
No. Threads.	20	18	16	14	12-13	12	11	10	9	8	7	7
Each	$2 00	2.00	2 00	2.00	3.10	3.10	3.10	3.10	6.90	6.90	13.80	15.20

Die Stock, for Set "C" ..... **Each $6 00**

KING AIR RIFLES

1909 JUNIOR SINGLE SHOT

Blued finish steel barrel and frame, walnut stock, good sights, perfect action, shoots BB shot, length 29 in., w't per doz. 18 lbs.

No. 5010—Per dozen $14.40

ONE DOZEN IN A CASE

SINGLE SHOT

Lever action, made of one piece blued finish steel, black walnut stock, carefully adjusted sights, shoots BB shots and darts with accuracy and good penetration, length 31 in., w't per doz. 25 lbs.

No. 5021—Per dozen $24.00

ONE DOZEN IN A CASE

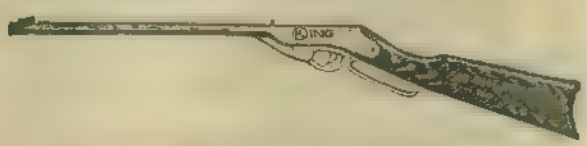
MODEL 17, SINGLE SHOT

The new "King Breech Loading Air Rifle", is the first really good air rifle, at a moderate price, that will shoot darts as well as steel and lead shot with accuracy. It "breaks" about the center of the rifle for loading purposes, has an automatic locking device and is built very substantially.

Equipped with a very practical safety trigger. A deep notch in the trigger permits it to "bite" on the lower part of the frame and it is impossibe for the plunger to slip off the trigger when gun is cocked. This, however, does not at all interfere with the pull of trigger, which is very smooth.

No. 5011—Barrel and all metal parts blued, stock of walnut, neatly finished, length over all 32 in., w't per doz. 27 lbs. .....per dozen $32.00

ONE DOZEN IN A CASE



500 SHOT AUTOMATIC REPEATER

Lever action, automatic repeater, shoots 500 times without reloading, made of best grade highly polished blued steel, with barrel and frame of one piece, walnut stock, open rear sight. Shoots BB Air Rifle shot with accuracy. Length 31 in., all parts interchangeable. W't per doz. 25 lbs.

No. 5022—Per dozen $28.00

ONE DOZEN IN A CASE

KING AIR RIFLES

KING 1,000 SHOT AUTOMATIC REPEATER

Lever action, automatic repeater, shoots 1,000 BB shots without reloading, made of best grade, highly polished blued steel with barrel and frame of one piece, selected black walnut finish stock, carefully adjusted sights. Length 35 inches. This model is identical in appearance to No. 5022 excepting that it is about 4 in. longer and has a heavier stock. Weight per dozen about 29 lbs.

No. 5055—Per dozen $32.00

KING POP GUNS

KING RAPID FIRE

Blued finish on all metal parts, stock and hand piece of polished black walnut loads automatically, makes a loud report with both forward and backward movement of hand piece, no flying cork, safe, sane and substantial, length over all 27 in., weight 31½ oz. each; weight per dozen 10 lbs., weight per case 36 lbs.

No. 5015—Per dozen $14.40

ONE IN A PASTEBOARD BOX

SINGLE SHOT KING SAFETY LEVER

Lever action, one piece, blued steel barrel and frame, black walnut stock, shoots a cork, which is attached to a string and makes a loud report, length 17 in., w't 7½ oz.

No. 5014—Per dozen $4.00

SIXTH DOZEN IN A CASE

KING LONG DISTANCE

Blued finish steel barrel, black walnut stock, shoots a cork at end of string and makes a loud report, length 21 in., w't 1 lbs.

No. 5019—Per dozen $12.00

SIXTH DOZEN IN A CASE

BENJAMIN PUMP AIR RIFLE

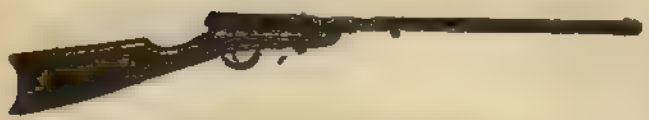
TAKE-DOWN, SINGLE SHOT

Nickel plated barrels, walnut stock, single shot take-down, larger barrel is the pump and air chamber, smaller one is the shooting barrel, length 37 in., w't 2 lbs.

No. 5025—Per dozen $80.00

ONE DOZEN IN A CASE

QUACKENBUSH



TAKE-DOWN, SINGLE SHOT

No. 7—Shoots strong and accurately, 17-100 felted slugs, BB air rifle shot or 17-100 darts, 17 in. round barrel, blued finish, metal parts all steel except inner barrel which is made of brass, American walnut stock, nicely finished, action and trigger gray blue finish, length over all 39¼ in., w't each 2¾ lbs. .....per dozen $129.60

By simply pushing in the barrel the gun is cocked and the breech opened for handy loading. An excellent arm for small game, also well adapted for target shooting.

ONE IN A BOX WITH SIX STEEL DARTS AND THREE FANCY PAPER TARGETS

No. 17-100—Felted slugs for No. 7 Quackenbush and small bore rifles .....per 1000 $2.30

Felted slug prevents leakage of air, desirable for accurate shooting.

ONE HUNDRED IN A BOX

AIR RIFLE DARTS

No. 47—Sharp steel points, with assorted colors, red, yellow and blue flight guides, w't per gro. ⅛ lb., per gross $4.00

ONE DOZEN IN AN ENVELOPE

AIR RIFLE SHOT

STEEL, BULL'E EYE

Put up in strong paper tubes, 225 pellets in a tube, carries further, penetrates deeper, more uniform in size and superior to any other, with the exception of the Daisy "Pump," it fits all air rifles.

Less Than Case Lots.

No. 13—In tubes, w't per doz. 2 lbs., per dozen tubes $0.90

Case Lots.

No. T14—In case lots of 100 tubes, w't, case 22 lbs. .....per case $7.00

Five Case Lots.

No. T145—In five case lots, 100 tubes in case, w't per case 22 lbs. .....per case $6.70

LEAD TATHAM BOY SCOUT

Fits all Air Rifles, put up in new style strong, water-proof, black tube with brass cap shot release, 4 oz. shot in each tube or about 225 pellets. Weight per dozen tubes 2¼ lbs. w't per case 30 lbs.

No. 15—In tubes .....per doz. tubes $1.20

Case Lots.

No. T16—In case lots of 100 tubes, per case $8 40

Hibbard Hardware for Hard-Wear

DAISY AIR RIFLES

SINGLE SHOT

Lever action, single piece steel barrel, blued finish, walnut stock, shoots BB air rifle shot and 17-100 darts, length 31½ in., w't per doz. 28 lbs.
No. 5005—Per dozen $24.00

ONE DOZEN IN A CASE

Lever action, 350 shot, shoots BB shot, single piece steel barrel, nickel finish, all parts interchangeable, length 31½ in., w't per doz. 28 lbs.
No. 5007—Per dozen $32.00

ONE DOZEN IN A CASE

Lever action, 500 shot, shoots BB shot, working parts of steel and brass, blued finish, black walnut stock, loaded automatically, length 33 in., w't per doz. 40 lbs.
No. 5018—Per dozen $40.00

HALF DOZEN IN A CASE

Lever action, 1,000 shot, nickel finish, shoots BB shot, working parts of steel and brass, turned walnut stock, loads automatically, length 36 in., w't per doz. 42 lbs.

Shooting barrel provided with patented shot retainer that enables the user to shoot downward without losing the shot. It shoots accurately and with great force.
No. 5012—Per dozen $48.00

MILITARY REPEATER

Lever action, 50 shot, shoots BB air rifle shot, all metal parts finished in gun blue, beautifully walnut finished stock, rear sight open and adjustable, front sight knife type, sling strap and swivel, 45 in. over all, including rubber tipped detachable bayonet, w't per doz. 45 lbs.
No. 5040—Per dozen $80.00

HALF DOZEN IN A CASE

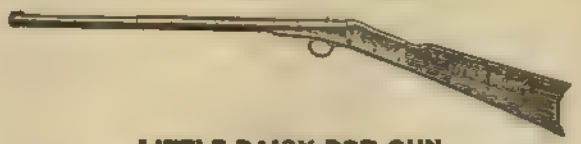
DAISY AIR RIFLES

PUMP ACTION REPEATER

50 shot, shoots BB air rifle shot, metal parts non-rusting gun blue, genuine black walnut stock, hand polished, adjustable sights front and rear, length 38 in., w't each 3¼ lbs.

This new pump action repeater operates by pulling the slide toward the stock, the loading action is automatic, fires rapidly from the shoulder, the magazine having a forced feed, is a strong and accurate shooter.
No. 5020—Per dozen $80.00

HALF DOZEN IN A CASE



LITTLE DAISY POP GUN

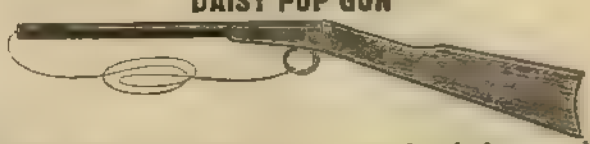
Blued finish steel barrel and frame, walnut stock, good sight, perfect action, shoots BB shot, length 29 in., w't per doz. 18 lbs.
No. 5004—Per dozen $14.40

BIG DAISY POP GUN

Nickel finish steel barrel and frame, black walnut stock, shoots a cork or rubber ball which is attached to a string and makes a loud report, length 21 in., w't 1 lb.
No. 5003—Per dozen $12.00

SIX DOZEN IN A CASE

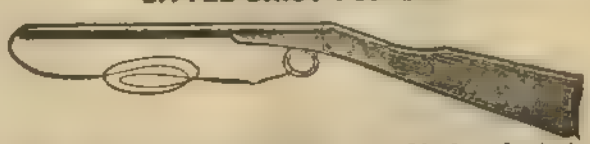
DAISY POP GUN



Blued finish steel barrel and frame, break down model, walnut finished stock, shoots a cork, which is attached to a string. A good, strong noise maker. Put up one in a carton. Length 17 inches, weight 7 ounces each.
No. 5001—Per dozen $4.00

W'T PER DOZ. 5¾ LBS. ONE GROSS IN A CASE, W'T 45 LBS.

LITTLE DAISY POP GUN



Nickel finish steel barrel and frame, black walnut stock, shoots a cork which is attached to a string and makes a loud report, length 17 in., w't 7½ oz.
No. 5002—Per dozen $7.20

SIX DOZEN IN A CASE

The New Kohlmann Baby Grand

To meet the growing demand for a Kohlmann Baby Grand Piano, we have this year contracted with one of the leading piano makers to supply us the beautiful model shown on this page. We have been careful to maintain the high standard of workmanship and materials that have made the Kohlmann Piano so favorably known to our trade. We give our endorsement and guarantee to this new Baby Grand, knowing it will meet the most exacting requirements.

You can do the piano business of your locality if you will show this Baby Grand in your store

One must see and hear this New Kohlmann Baby Grand to fully appreciate its superiority

Every conscientious dealer whose aim it is to give his customers the best dollar value—should feature this piano

DESCRIPTION

A SMALL GRAND PIANO embodying every essential that is required to make a good Grand Piano Admirably combines a beautiful tone with a handsome and distinctive grand piano appearance Pin plank made of several layers of hard rock maple - direction of grain alternating successively Sounding board of finest White Mountain spruce Plate weighs 210 lbs. and with the back as made by us, solid tuning is assured Finest ivory keys, ebony sharps Bass strings wound with genuine copper Action wonderfully responsive and light to touch Case 4 ft 11½ in long, genuine mahogany veneered throughout Finish—satin unless ordered otherwise All hardware in brass Tone quality unexcelled Workmanship and material fully guaranteed These outstanding features of the KOHLMANN GRAND are what makes it so popular

No. 1923/50 Kohlmann Baby Grand. Mahogany. Price, including bench $1,042.00

Piano Benches

PIANO BENCH

This beautiful Piano Bench with its shaped legs and substantial cross stretchers has proven to be one of our best selling numbers. Large compartment underneath the seat lid for music. Hand rubbed and polished. Your choice of all finishes. Weight, 40 lbs.

No. 20M 50 Mahogany $21.50
No. 20O 50 Oak finishes 22.50
No. 20W 50 Burl walnut 23.50

PIANO BENCH

A strikingly handsome Piano Bench of Colonial design Has lots of room for music under the top lid Hand rubbed and polished Your choice of all finishes. A remarkable value at our special lowered price Weight, 40 lbs.

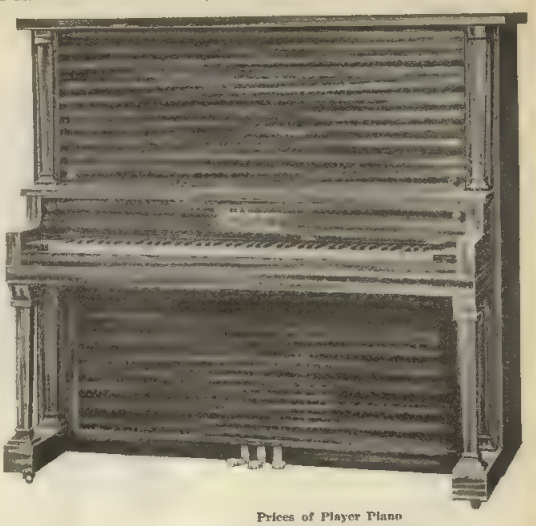
No. 2M 50 Mahogany $24.00
No. 2O 50 Oak finishes 25.00
No. 2W 50 Burl walnut 26.50

TEN YEAR GUARANTEE

Kohlmann Player Pianos

TEN YEAR GUARANTEE

THE NEW COLONIAL GRAND—Either Piano or Player Piano, as Desired.



DETAIL—Case of highest construction from thoroughly seasoned kiln dried materials and DOUBLE veneered throughout. Full Colonial trusses. Veneered pilasters and mouldings. Selected mahogany, quarter-sawed oak or fancy birch walnut used exclusively

Seven and one-third octaves. Three strings in unison and overstrung bass, nickel plated brackets, double repeating sticker action on capston screws, full bell metal bronzed plate, bushed tuning pins, pin block made of several layers of hard rock maple, direction of grain alternating successively, convex reinforced sounding board crowned the old-fashioned way, imported wire. California sun-bleached felt hammers and ivory keys, Empire top. Height, 4 ft. 8 in.; length, 5 ft. 2 in.; depth, 2 ft. 3 in. Weight of player, 900 lbs.

Prices of Plain Piano, as Shown
COLONIAL GRAND PIANO
Use these numbers for Plain Pianos.

No. 32M/51	Mahogany	$590.00
No. 32W/51	Walnut	615.00
No. 32G/51	Golden oak	590.00
No. 32E/51	Dark English oak	590.00

Piano bench to match free with each piano

Prices of Player Piano
COLONIAL GRAND PLAYER
Use these numbers for Player Pianos.

No. 140M/51	Mahogany player	$737.00
No. 140W 51	Walnut player	744.00
No. 140G/51	Golden oak player	737.00
No. 140E 51	Dark English oak player	737.00

Piano bench and six music rolls free with each piano.

KOHLMANN GRAND PLAYER

Features of all our Players: Five-point Frictionless Motor; Divided Hammer Rail; Graduated Lever Expression; Scientifically Perfect Player Action; Positive Governor that insures perfect tempo; Special Transposing Device that regulates tone to five different keys for vocal accompaniment.

WHY YOU SHOULD SELL PIANOS

Our records of sales are proof positive of the high quality and merit of the Kohlmann Pianos We have customers who have sold the Kohlmann for the past ten years, meeting every kind of competition, and are today meeting the great success in the piano field Jewelers are rapidly coming to realize that pianos are easily sold if displayed in their stores. Many jewelers do not carry a stock, but take orders from the one or two samples carried This means a handsome profit at the end of the year from a very small investment. All Kohlmann Pianos are noted for their fine workmanship and tone qualities

Specifications—Newly designed handsome case, finished in mahogany and selected quartered oak, with sliding doors. Colonial trusses and pilasters.

Seven and one-third octaves. Three strings in unison and overstrung bass, full bronze plate, bushed tuning pins, nickel plated brackets double repeating action, pin block made of several layers of hard rock maple, direction of grain alternating successively, convex sounding board, imported wire, and Empire top

Height, 4 ft. 6 in., length, 5 ft. 2 in. depth, 2 ft. 5 in. Shipping weight, 900 lbs.

No. 91M/51	Mahogany	$595.00
No 91W/51	Walnut	607.00
No. 91GO/51	Golden oak	595.00
No 91DE/51	Dark English oak	595.00

Kohlmann Parlor Grand

All Kohlmann Pianos are made with the understanding that quality is never to be slighted to make a low price. Cheaply constructed pianos are not only very expensive to keep in condition, but are never satisfactory. It is to your interest to sell your customers an instrument that will mean added sales for you in the future. You can be sure of a growing piano business if you show the Kohlmann. Every one fully guaranteed.

KOHLMANN PARLOR GRAND

This instrument is beautifully designed, pleasing in its appearance, having hand-carved trusses, plainless and top frame, which gives this piano a very symmetrical and attractive appearance. Is massive in its construction, double veneered inside and out; furnished in beautiful walnut, mahogany and selected quarter-sawed oak veneers, and lined throughout with birds-eye maple. A very substantial back made of six hardwood posts, laminated pin block, consisting of several layers of quarter-inch quarter-sawed Adirondack rock maple, crossing one another at right angles. Sounding board of the best quality of spruce and ribs of the same material, which are notched into the lining. The tie blocks and arms are all laminated construction. Keyboard is so constructed as to withstand all atmospheric changes.

This instrument is equipped with full bronzed plate reaching from top to bottom, bushed tuning pins, copper bass, music wire of German importation and imported German tuning pins. Is equipped with splendid triple repeating action, best quality of 12-pound hammers, and ivory keys.

Height, 4 ft. 9 in., width, 5 ft. 3 in., depth, 2 ft. 3 in.

No. 17080/52	Mahogany	$480.00
No. 17081/52	Walnut	493.00
No. 17082/52	Golden oak	480.00
No. 17083/52	Dark English oak	480.00

Music and Music Roll Cabinets

There is a growing demand for Music Roll Cabinets and the three designs shown are selected as being the best for practical use as well as appearance. Cabinets are well made in every way and carefully finished. Shipped from Chicago. Weight, crated, about 150 lbs.

PRICES EACH

GLASS DOOR CABINET

Height, 44 in.; width, 21 in.; depth, 15½ in.

No. 55/52	Combination mahogany	$42.00
No. 55W/52	Combination walnut	46.00
No. 55O/52	Mission oak	46.00

This Cabinet is same as No. 55 S", except with solid wood door.

No. 52/52	Combination mahogany	$40.50
No. 52W/52	Combination walnut	40.50
No. 52O/52	Mission oak	40.50

QUEEN ANNE CABINET

Height, 48 in.; width, 28 in., depth, 15½ in.

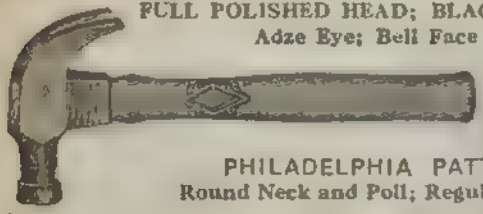
No. 114/52	Combination mahogany	$67.00
No. 114W/52	Combination walnut	67.00
No. 114O/52	Mission oak	67.00

NAIL HAMMERS

*DIAMOND EDGE

Highest Grade Solid Forged Tool Steel; Correctly Tempered; Select, Second Growth Young White Hickory Handle; Fastened with a DIAMOND EDGE Patent Lock Wedge.

FULL POLISHED HEAD; BLACK NECK
Adze Eye; Bell Face



PHILADELPHIA PATTERN
Round Neck and Poll; Regular Claw

Nos.	DE11	DE11½	DE12	DE13	DE14
Size	1	1½	2	3	4
Wt. Each Less Handle, ozs.	20	16	13	7	4
Weight per Dozen, lbs.	19	16½	15	12	8
Per Dozen	$25.00	24.00	23 00	22 00	21.00

Half Dozen in a Box

*BRIDGE

Forged Solid Tool Steel; Tempered Second Growth Hickory Handle; Securely Fastened with Wedge.

FULL POLISHED HEAD; BLACK NECK
Adze Eye; Bell Face

Round Neck and Poll; Regular Claw

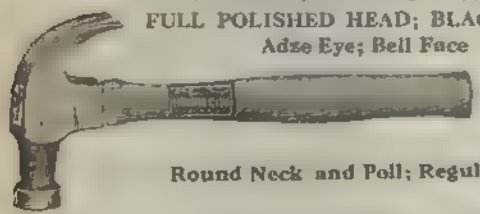
Nos.	B11	B11½	B12	B13
Size	1	1½	2	3
Wt. Ea. Less Handle, ozs.	20	16	13	7
Weight per Dozen, lbs.	19	16	15	10
Per Dozen	$25.50	24.50	23.00	22.00

Half Dozen in a Box

*MOUND CITY

Tool Steel; Varnished, Medium Quality, Hickory Handle.

FULL POLISHED HEAD; BLACK NECK
Adze Eye; Bell Face



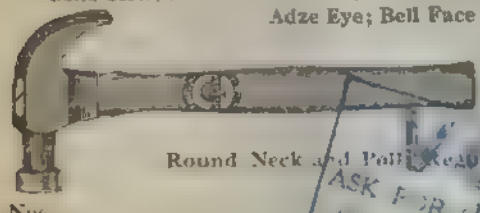
Round Neck and Poll; Regular Claw

Nos.	MC11½	MC12	MC13
Size	1½	2	3
Wt. Each Less Handle, ozs.	16	13	7
Weight per Dozen, lbs.	16	14½	10½
Per Dozen	$18.80	17.20	16.00

Half Dozen in a Box

*LIVE OAK

Solid Steel; Full Polished Head; Black Neck; Hardwood Handle.
Adze Eye; Bell Face



Round Neck and Poll; Regular Claw.

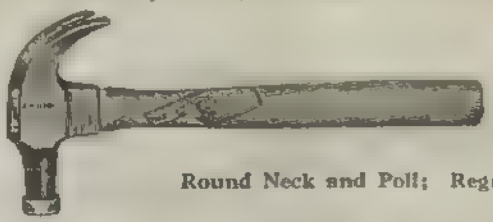
Nos.		LO12
Size		2
Weight Each Less Handle, ozs.		13
Weight per Dozen, lbs.		13
Per Dozen	$10 70	13.00

Half Dozen in a Box

NAIL HAMMERS

MAYDOLE

Solid Crucible Cast Steel; Perfectly Tempered; Varnished, Second Growth Hickory Handle; Full Polished Head; Black Neck.



Adze Eye; Bell Face

Round Neck and Poll; Regular Claw.

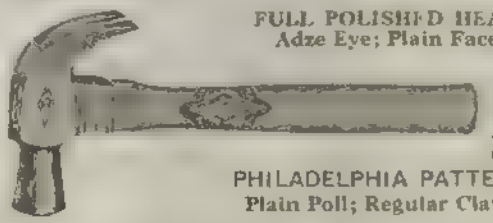
Nos.	M10	M11	M11½	M12	M13
Size	0	1	1½	2	3
Weight Each Less Handle, ozs.	25	19	16	13	7
Weight per Dozen, lbs.	27½	21½	18½	15	9¾
Per Dozen	$16 00	13.00	12.00	11 25	10 00
	32 80	26 65	24.60	23.05	20.50

Half Dozen in a Box

*DIAMOND EDGE

Highest Grade Solid Forged Tool Steel; Correctly Tempered; Select, Second Growth Young White Hickory Handle; Fastened with a DIAMOND EDGE Patent Lock Wedge.

FULL POLISHED HEAD
Adze Eye; Plain Face



PHILADELPHIA PATTERN
Plain Poll; Regular Claw

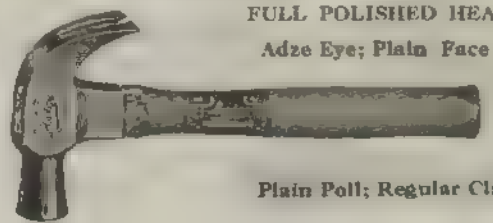
Nos.	DE0	DE1	DE1½
Size	0	1	1½
Weight Each Less Handle, ozs.	28	20	16
Weight per Dozen, lbs.	28	20	17½
Per Dozen	$37 00	25.00	24 00

Half Dozen in a Box

*BRIDGE

Forged Solid Tool Steel; Tempered; Second Growth Hickory Handle Securely Fastened with Wedge.

FULL POLISHED HEAD
Adze Eye; Plain Face



Plain Poll; Regular Claw

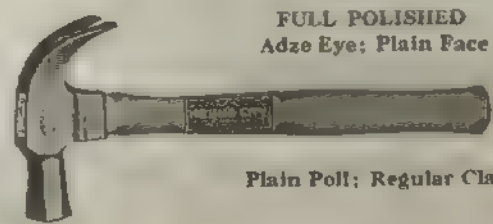
Nos.	B1	B1½	B2
Size	1	1½	2
Wt. Each Less Handle, ozs.	20	16	13
Weight per Dozen, lbs.	20	19	15
Per Dozen	$25 50	24.50	23.00

Half Dozen in a Box

*MOUND CITY

Tool Steel; Varnished, Medium Quality Hickory Handle

FULL POLISHED
Adze Eye; Plain Face



Plain Poll; Regular Claw

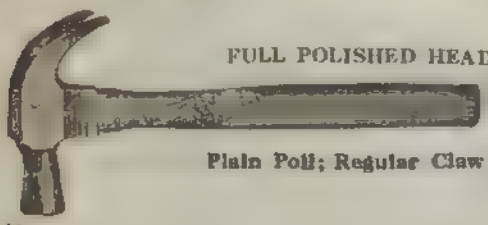
Nos.	MC1	MC1½	MC2
Size	1	1½	2
Wt. Each Less Handle, ozs.	20	16	13
Weight per Dozen, lbs.	19½	17	15
Per Dozen	$20 00	18 80	17.30

Half Dozen in a Box

NAIL HAMMERS

MAYDOLE

Solid Crucible Cast Steel; Perfectly Tempered; Varnished Second Growth Hickory Handle.



FULL POLISHED HEAD

Adze Eye; Plain Face

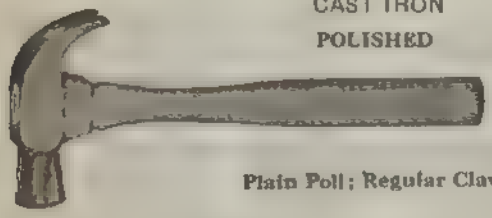
Plain Poll; Regular Claw

Nos.	M1	M1½	M2
Size	1	1½	2
Weight Each, Less Handle, ozs.	20	16	13
Weight per Dozen, lbs.	23	18½	15
Per Dozen	$13.00	12.00	11 25
	26 65	24 60	23.05

Half Dozen in a Box

CAST IRON

POLISHED



Adze Eye; Plain Face

Plain Poll; Regular Claw

Per Dozen

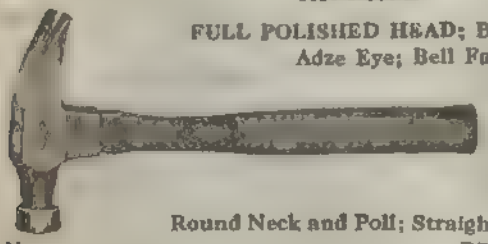
No. 75—Size 1½; Weight Each, Less Handle, 16 ozs.; Weight per Dozen 12½ lbs. $8.50

Half Dozen in a Box

*DIAMOND EDGE

Highest Grade Solid Forged Tool Steel; Correctly Tempered; Select, Second Growth Young White Hickory Handle; Fastened with a DIAMOND EDGE Wedge

RIPPING



FULL POLISHED HEAD; BLACK NECK

Adze Eye; Bell Face

*DIAMOND EDGE

TRADE MARK REGISTERED IN THE U. S. PATENT OFFICE

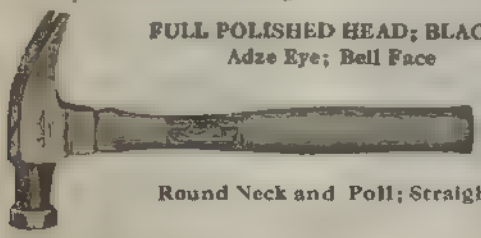
Round Neck and Poll; Straight Claw

Nos.	DER11	DER11½
Size	1	1¼
Weight Each, Less Handle, ozs.	20	16
Weight per Dozen, lbs.	20	18
Per Dozen	$25.00	24.00

Half Dozen in a Box

*BRIDGE

Forged Solid Tool Steel; Tempered; Second Growth Hickory Handle; Securely Fastened with Wedge.



FULL POLISHED HEAD; BLACK NECK

Adze Eye; Bell Face

Bridge

Round Neck and Poll; Straight Claw

No.	BR11½
Size	1¼
Weight Each, Less Handle, ozs.	16
Weight per Dozen, lbs.	[illegible]
Per Dozen	$24 50

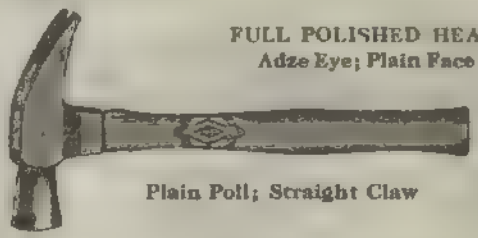
Half Dozen in a Box

NAIL HAMMERS

RIPPING

*DIAMOND EDGE

Highest Grade Solid Forged Tool Steel; Correctly Tempered; Select Second Growth Young White Hickory Handle; Fastened with a DIAMOND EDGE Wedge.



FULL POLISHED HEAD

Adze Eye; Plain Face

Plain Poll; Straight Claw

*DIAMOND EDGE

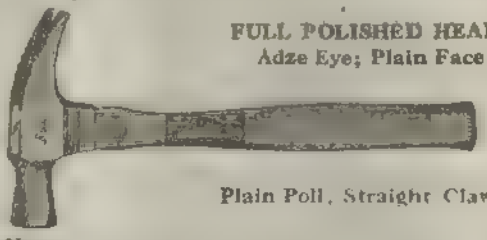
TRADE MARK REGISTERED IN THE U. S. PATENT OFFICE

Nos.	DER1	DER1½
Size	1	1½
Weight Each, Less Handle, ozs.	20	16
Weight per Dozen, lbs.	22	20
Per Dozen	$25.00	24.00

Half Dozen in a Box

*BRIDGE

Forged Solid Tool Steel; Tempered; Second Growth Hickory Handle; Securely Fastened with Wedge.



FULL POLISHED HEAD

Adze Eye; Plain Face

Bridge

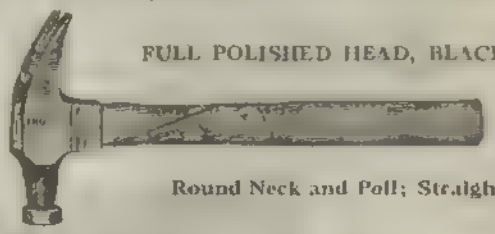
Plain Poll, Straight Claw

Nos.	BR1	BR1½
Size	1	1½
Weight Each, Less Handle, ozs.	20	16
Weight per Dozen, lbs.	18	17
Per Dozen	$25 50	24 50

Half Dozen in a Box

MAYDOLE

Solid Crucible Cast Steel; Perfectly Tempered; Varnished Second Growth Hickory Handle.



FULL POLISHED HEAD, BLACK NECK

Adze Eye; Bell Face;

Round Neck and Poll; Straight Claw

Nos.	M711	M711½	M712
Size	1	1½	2
Weight Each, Less Handle, ozs.	19	16	12
Weight per Dozen, lbs.	19	8½	15½
Per Dozen:	$13.00	12 00	11 25
	26.65	24.00	23 05

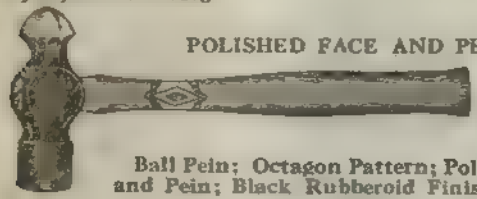
Half Dozen in a Box

THE MAILS GUARANTEE SPEEDY SERVICE AND THE SHAPLEIGH HARDWARE MAIL ORDER DEPARTMENT HAS A RECORD FOR HUSTLING THAT IS SECOND TO NONE IN THE COUNTRY.

BALL PEIN HAMMERS

*DIAMOND EDGE

Highest Grade Solid Forged Tool Steel; Correctly Tempered; Select Second Growth Young White Hickory Handle; Fastened with a DIAMOND EDGE Wedge.



POLISHED FACE AND PEIN *DIAMOND EDGE

TRADE MARK REGISTERED IN THE U. S. PATENT OFFICE

Ball Pein; Octagon Pattern; Polished, Hardened Head and Pein; Black Rubberoid Finished Body.

Nos.	DBB5/0	DBB4/0	DBB3/0	DBB2/0
Size	5/0	4/0	3/0	2/0
Weight Each Less Handles, ozs.	4	6	8	12
Weight per Dozen, lbs.	5	8	11	14
Per Dozen	$12.00	12.50	14.00	15.00

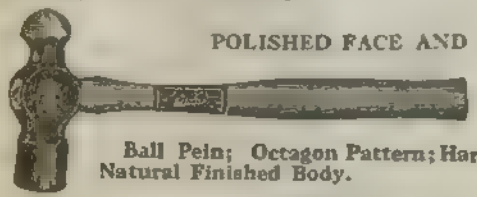
Nos.	DBB0	DBB1	DBB2
Size	0	1	2
Weight Each Less Handles, ozs.	16	20	24
Weight per Dozen, lbs.	16	20	24
Per Dozen	$16.50	17.00	19.00

Nos.	DBB3	DBB4	DBB6
Size	3	4	6
Weight Each Less Handles, ozs.	28	32	40
Weight per Dozen, lbs.	26	28	38
Per Dozen	$20 00	21.00	23.50

Third Dozen in a Box

*BRIDGE

Forged Solid Tool Steel; Tempered; Second Growth Hickory Handle Securely Fastened with Wedge.



POLISHED FACE AND PEIN

Bridge

Ball Pein; Octagon Pattern; Hardened Head and Pein; Natural Finished Body.

Nos.	BB5/0	BB4/0	BB3/0	BB2/0
Wt Less Handle, ozs.	4	6	8	12
Weight per Doz., lbs.	5	9	10	14
Per Dozen	$12.00	12 00	12.00	13.00

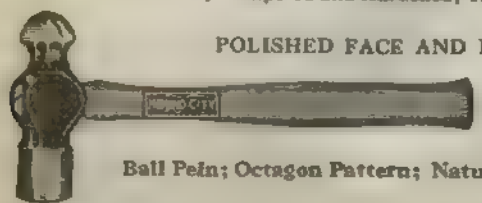
Nos.	BB0	BB1	BB2	BB3
Wt Less Handle, ozs.	16	20	24	28
Weight per Doz. lbs.	16	20	24	26
Per Dozen	$12.50	13.80	15.00	16.00

Nos.	BB4	BB5	BB6
Weight Each Less Handle, ozs.	32	36	40
Weight per Dozen, lbs.	28	33	38
Per Dozen	$16.50	18.70	18.70

Third Dozen in a Box

*MOUND CITY

Tool Steel; Tempered and Hardened; Hickory Handle



POLISHED FACE AND PEIN

MOUND CITY TRADE MARK

Ball Pein; Octagon Pattern; Natural Finished Body.

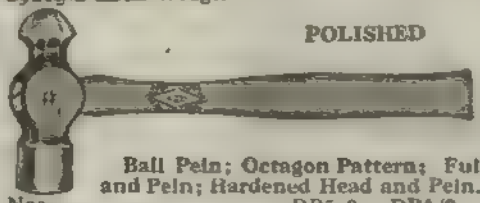
Nos.	MCBP3/0	MCBP2/0	MCBP0
Weight Each Less Handles, ozs.	8	12	16
Weight per Dozen, lbs.	9	12	15
Per Dozen	$6.60	7.20	8.00

Half Dozen in a Box

BALL PEIN HAMMERS

*DIAMOND EDGE

Highest Grade Solid Forged Tool Steel; Correctly Tempered; Select Second Growth Young White Hickory Handle; Fastened with a DIAMOND EDGE Wedge.



POLISHED *DIAMOND EDGE

TRADE MARK REGISTERED IN THE U. S. PATENT OFFICE

Ball Pein; Octagon Pattern; Full Polished Head, Sides and Pein; Hardened Head and Pein.

Nos.	DB5/0	DB4/0	DB3/0	DB2/0
Weight Each Less Handle, oz	4	6	8	12
Weight per Dozen, lbs.	5	9	10¼	14
Per Dozen	$15.70	15.70	15.70	15.70

Nos.	DB0	DB1	DB2
Weight Each Less Handle, oz.	16	20	24
Weight per Dozen, lbs.	16	20	24
Per Dozen	$16.50	17.70	19.00

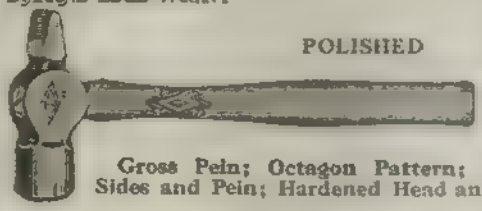
Nos.	DB3	DB4	DB6
Weight Less Each Handle, oz.	28	32	40
Weight per Dozen, lbs.	26	28	40
Per Dozen	$20 30	21.50	24.70

Third Dozen in a Box

CROSS PEIN HAMMERS

*DIAMOND EDGE

Highest Grade Solid Forged Tool Steel; Correctly Tempered; Select Second Growth Young White Hickory Handle; Fastened with a DIAMOND EDGE Wedge.



POLISHED *DIAMOND EDGE

TRADE MARK REGISTERED IN THE U. S. PATENT OFFICE

Cross Pein; Octagon Pattern; Full Polished Head; Sides and Pein; Hardened Head and Pein.

Per Dozen

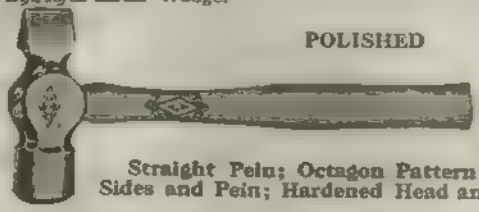
No. DC2—Weight Each Less Handle, 24 ozs. Weight per Dozen 30 lbs. $21 50

Third Dozen in a Box

STRAIGHT PEIN HAMMERS

*DIAMOND EDGE

Highest Grade Solid Forged Tool Steel; Correctly Tempered; Select Second Growth Young White Hickory Handle; Fastened with a DIAMOND EDGE Wedge.



POLISHED

*DIAMOND EDGE

TRADE MARK REGISTERED IN THE U. S. PATENT OFFICE

Straight Pein; Octagon Pattern; Full Polished Head; Sides and Pein; Hardened Head and Pein.

Per Dozen

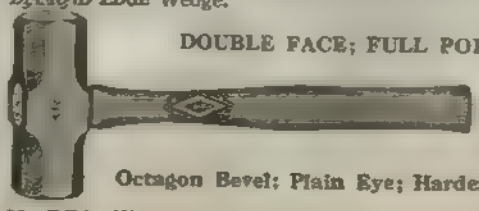
No. DP2—Weight Each Less Handle, 24 ozs. Weight per Dozen 28 lbs. $21 50

Third Dozen in a Box

ENGINEERS HAMMERS

*DIAMOND EDGE

Highest Grade Solid Forged Tool Steel; Correctly Tempered; Select Second Growth Young White Hickory Handle; Fastened with a DIAMOND EDGE Wedge.



DOUBLE FACE; FULL POLISHED

*DIAMOND EDGE

TRADE MARK REGISTERED IN THE U. S. PATENT OFFICE

Octagon Bevel; Plain Eye; Hardened Head and Pein.

Per Dozen

No. DD2—Weight Each Less Handle, 38 ozs. Weight per Dozen 35½ lbs. $33.00

Third Dozen in a Box

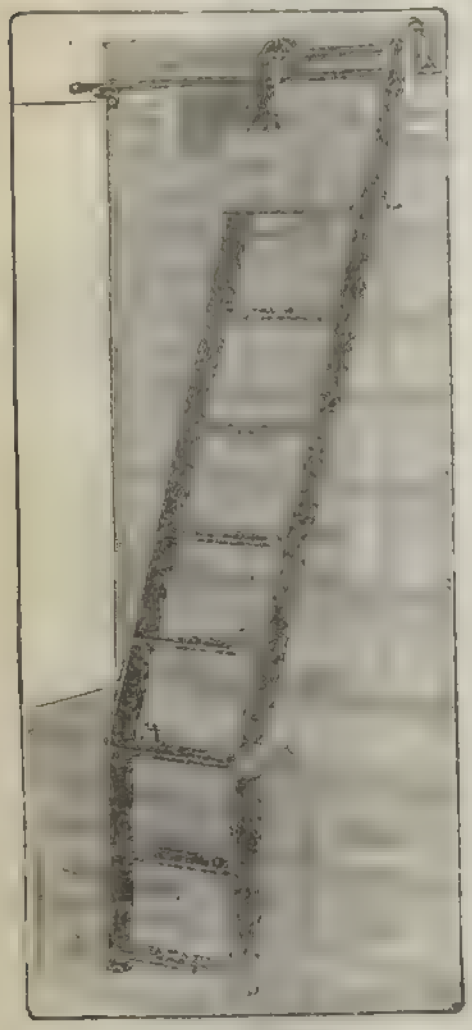
ROLLING STORE LADDERS

MILBRADT

Made to Order Only

Made in Various Styles to Fit All Kinds of Shelving; Shipped Complete Ready to Install

Made of Hardwood Lumber, Highly Finished, Steps Dadoed into Sides and Screwed in a Most Substantial Manner; All Metal Parts and Fixtures are Malleable Iron, Nicely Finished; These Ladders Take up Very Little Space and Run Without Noise or Friction; Are Light and Well Proportioned; Under the Length of Ladder Given, Add 12 Inches for Width of Top of Each Ladder; Very Convenient in Handling Stock

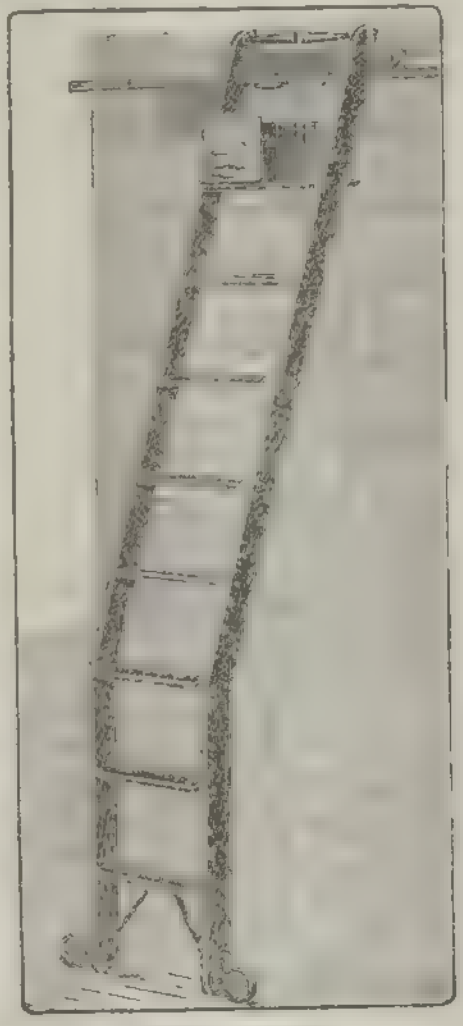


BENT LADDERS

For Tracks Fastened to Shelving Near the Top, Short, Fork Shaped Irons, With Rubber Rollers, Run Against the Edge of Wide Base Shelf; Runs on Round Steel Track.

Each

✣No. 1 Width 17½ inches, with Side Pieces 3½ inch Steps, each Top Step 9 inches Wide; Base Shelf, Complete With Fixtures; Average Shipping Weight, 50 lbs. $36 00



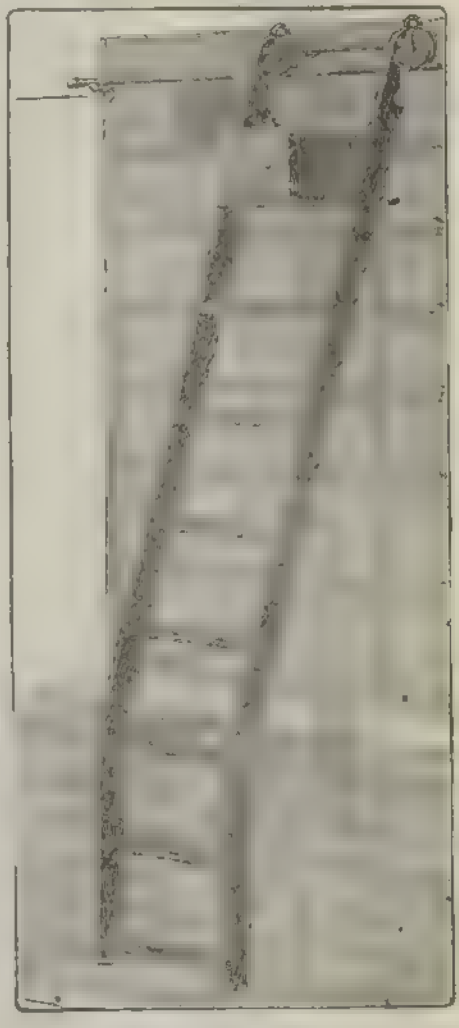
BENT LADDERS

For Shelving Which is Not Substantial; Weight of Ladder and Operator Rests on the Floor; No Track Used on Floor; Top Adjusters Allows for Uneven or Sloping Floor; Floor Rollers are Cushion Tired; Runs on Special Hardwood Track, Only, to Guide Ladder.

Each

✣No. 2 Width 17½ inches, with Side Pieces 3½ inch Steps, each Top Step 9 inches Wide; Base Shelf, Complete With Fixtures; Average Shipping Weight, 50 lbs. $36 00

Or in a Crate



BENT LADDERS

Runs on Track Fastened to Shelving Near the Top; Long Swinging Arms, With Rubber Rollers, Run Against the Edge of a Narrow Base Shelf; Arms are Made Any Length Necessary to Hold Ladder Out Proper Distance; Runs on Round Steel Track.

Each

✣No. 3 Width 17½ inches, with Side Pieces, 3½ inch Steps, each Top Step 9 inches Wide; Base Shelf, Complete With Fixtures; Average Shipping Weight, 50 lbs. $36 00

For Track, Brackets, Etc., See Page 2708

TO ORDER ABOVE LADDERS

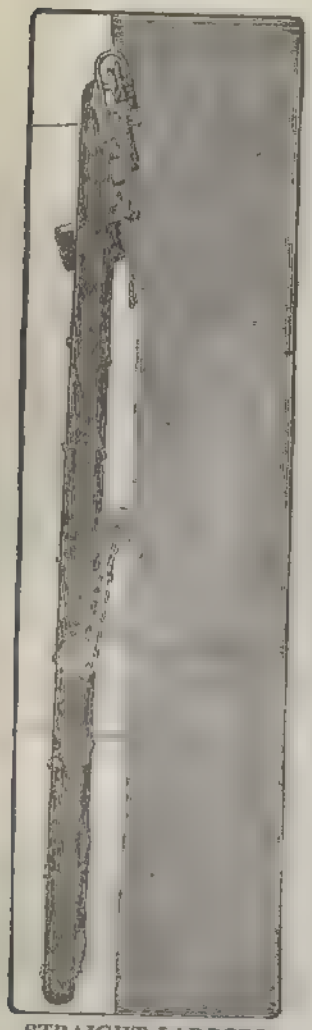
Give Height from Floor to Top of Base Shelf; Width or Projection of Base Shelf from Front Edge of Upright Measuring from Top of Base Shelf to Top of Shelf; Width of Upright to be Fastened; the Track Should be Fastened to a Shelf Between Each Tier of Shelving. When Ordering Ladder No. 3 Where Floor Slopes, State How Much it Slopes and State if Wall or Shelving is Square; If Ladders are Ordered for Odd or Irregular Shelving, a Full Drawing Assist if a Rough Sketch or End View of Shelving is Sent In

Items Marked ✣ Not Carried in Stock; Made to Order Only and Shipped from St. Louis, Mo.

ROLLING STORE LADDERS

MILBRADT

Made to Order Only



STRAIGHT LADDERS

For Track Fastened to Shelving Near the Top; this Ladder has Long Swinging Arms Attached and is for Use on Shelving with a Very Narrow or no Base Shelf, the Arms Holding the Lower End Out the Proper Distance for Convenient Climbing; the Arms are Made from 10 to 20 inches Long, and Have Rubber Rollers at the Ends Which Run Against the Ledge; If Ladder is to Hang Out Less than 10 inches, Stationary Arms are Used, Same as on the No. 1 Ladder on Previous Page; When Not in Use, the Swinging Arms Fold Out of the Way; When Ladder is to be Used, the Arms Swing into Place Automatically; Runs on Round Steel Track

Each

✢**No. 4**—Width, 17¼ inches; 3 inch Side Pieces; 3½ inch Steps; 9 inch Top Shelf; Complete With Fixtures; Average Shipping Weight, 50 lbs. **$34 00**

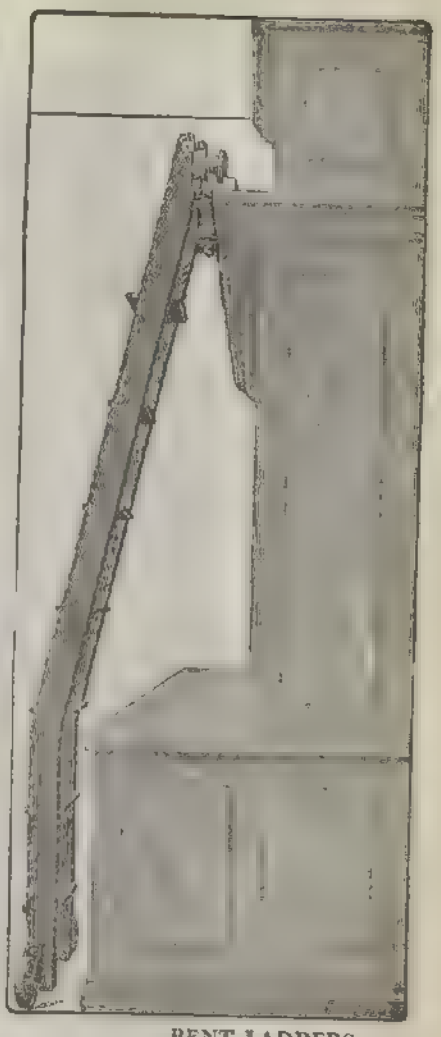
BENT LADDERS

For Flat Hardwood Track, Which is Screwed on Top of Original Low Shelving Which has Been Extended to the Ceiling; Fork Shaped Irons, with Rubber Rollers to Run Against Edge of Wide Base Shelf, are Attached Near Lower End of Ladder; Irons are Made Any Length Necessary to Hold Lower End of Ladder Out the Proper Distance for Convenient Climbing; the Hardwood Track is Dry Hard Maple and the Ladder Runs Noiselessly and Easily on it; the Track Will Last a Life Time.

Each

✢**No. 10**—Width, 17¼ inches; 3 inch Side Pieces; 3½ inch Steps; 9 inch Top Shelf; Complete with Fixtures, Average Shipping Weight, 50 lbs **$36 00**

One in a Crate



BENT LADDERS

For Flat Hardwood Track, Which is Screwed on Top of Original Low Shelving Which Has Been Extended to the Ceiling; it Has Cushion Tired Wheels at the Lower End Which Run on the Floor; no Track is Used on the Floor; the Wheels at the Top Slide Up and Down to Allow Ladder to Adjust Itself to Uneven Floors; the Lower End of Ladder May be Set in Close to Shelving, Out of the Way, when Not in Use; Can be Used on Shelving, With or Without a Base Shelf

Each

✢**No. 13**—Width, 17¼ inches; 3 inch Side Pieces; 3½ inch Steps; 9 inch Top Shelf; Complete with Fixtures; Average Shipping Weight, 50 lbs. **$36.00**

For Track, Brackets, Etc., See Page 2708

To Order Ladder No. 4—Give Exact Height from Floor to Top of Base Shelf, the Exact Width or Projection of Base Shelf, the Exact Height from Top of Base Shelf to the Top of Shelf to Which Track is to be Fastened; Track Should be Fastened to a Shelf Between Two to Three Feet Down from the Top.

To Order Ladders Nos. 10 and 13—Give Exact Height from the Floor to Top of Base Shelf, the Exact Width or Projection of Base Shelf and the Exact Height from Top of Base Shelf to Top of Shelving or Cornice, on Top of Which Track is to be Fastened. Also state How Far Cornice of Shelving, on Top of Which Track is to Be Fastened, Projects Out Over Lower Part of Shelving.

Items Marked ✢ Not Carried in Stock; Made to Order Only and Shipped from St. Louis

ROLLING STORE LADDERS AND TRACK

MILBRADT

Made To Order Only

TROLLEY OR CEILING LADDERS

Oak

For Steel Track Fastened to the Ceiling; Fiber Steel Wheels Run Noiselessly on the Steel Track; Cushion Tired Wheels at the Bottom Run on the Floor; the Track is Made of Round Tubing and Rests in Malleable Iron Brackets, Which are Screwed to the Ceiling About 4 feet Apart, or so the Lag Screws will Enter the Joists; if the Ceiling is Plastered, a Board 7 inches Wide Should First be Nailed or Screwed to Ceiling and the Brackets Screwed to the Board; in Every Instance, the Lag Screws Must Enter the Joists; Ceiling Board Not Furnished, Unless Specially Ordered

This Ladder is Strongly Made and with Sufficient Inclination to Make Easy Climbing; it is Especially Adapted for Hardware Stores, Wholesale Houses or Other Places where Heavy Goods are Handled; it Runs Independently of Shelving and is the Most Suitable to Use When Shelving is Not so Arranged that Ladders Can be Conveniently Applied to it Width 14 inches; 4 inch Side Pieces; 5 inch Steps; Complete With Fixtures

Each

No. 15—Average Shipping Weight, 60 lbs. **$38 00**

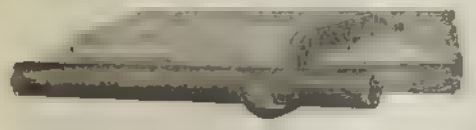
Per Foot

†No. 15S1—Steel Trolley Track, for Above Ladder Including Brackets and Lag Screws; Weight per Foot, 1½ lbs.. **$0 70**

†No. 15B Ceiling Board, [illegible] Wide, for Unplastered Ceilings, with Above Ladders; Weight per Foot, 1½ lbs **50**

To Order Above Ladder—Give Exact Height from Floor to Ceiling and State Exact Length of Each Run of Steel Track Wanted.

TRACK BRACKET

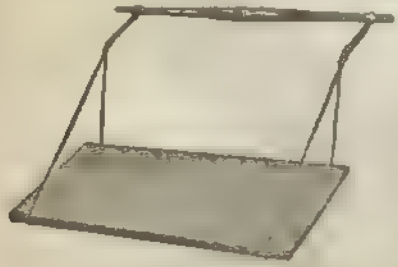


Used to Hold Up Steel Track Which is Attached to Shelving; they are Screwed and Bolted on Top of Shelf; Used in Connection with Nos. 7 or 8 Brackets Shown Below, on Shelving where Uprights to Which Brackets can be Fastened are Too Far Apart to Make Track Strong Enough

Each

†No. 9—Malleable Iron; Weight, ½ lb. **$1 00**

Loose



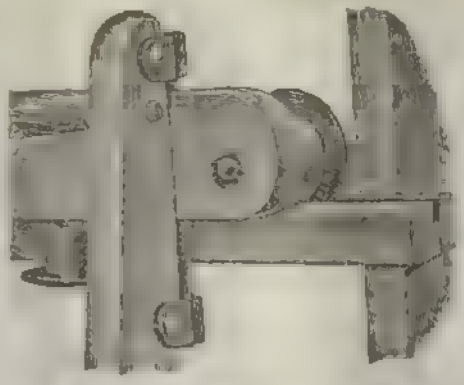
LADDER PLATFORMS

For Use Where Stock is to Be Put Up, Taken Down or Re-Arranged. It is Large Enough for User to Stand on Conveniently and Allows the Free Use of Both Hands; it Can Be Attached at Any Height Desired and Will Be Found Very Handy Wherever Rolling Ladders are Used; It is Absolutely Safe.

Each

†No. MP—Solid Oak Platform; Nickel Plated Hangers; Weight Each, 5 lbs..... **$6.00**

LADDER TRACK



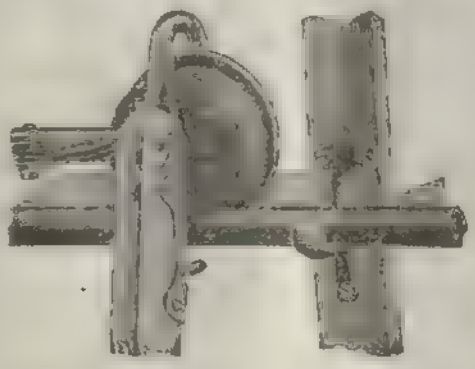
Special Wood Track

Hard Dry Maple; Finished to Match Ladder; Adapted for Ladders Which Run on the Floor. Requires No Special Shelf or Arrangement.

Per Foot

†No. 2WT—For Ladder No. 2; Weight per Foot, 2 lbs..... **$0 60**

Loose



Steel Track

Made of Round Steel Tubing; For Ladders Nos. 1, 3, 4, Shown on Previous Pages.

Showing Face Bracket No. 7; For Uprights 2 inches or Wider.

Per Foot

†No. 1R—**Regular**, for Use on Shelving Where Uprights to Which Brackets are to be Fastened are Four Feet or Less Apart; Complete with Brackets and Screws; Weight per Foot, 1 lb..... **$0 70**

Loose

Showing Upright Bracket No. 8; Specially for Uprights Less than 2 inches Wide.

Per Foot

†No. 1H—**Extra Strong**; for Use on Shelving Where Uprights are More than Four Feet Apart; Can Be Used with Brackets 5½ feet Apart. When Uprights are More than 5½ feet Apart it is Necessary to Use No. 9 Bracket Shown Opposite Between Uprights; Weight per Foot, 1½ lbs **$0 70**

Loose

HOW TO ORDER STEEL TRACK

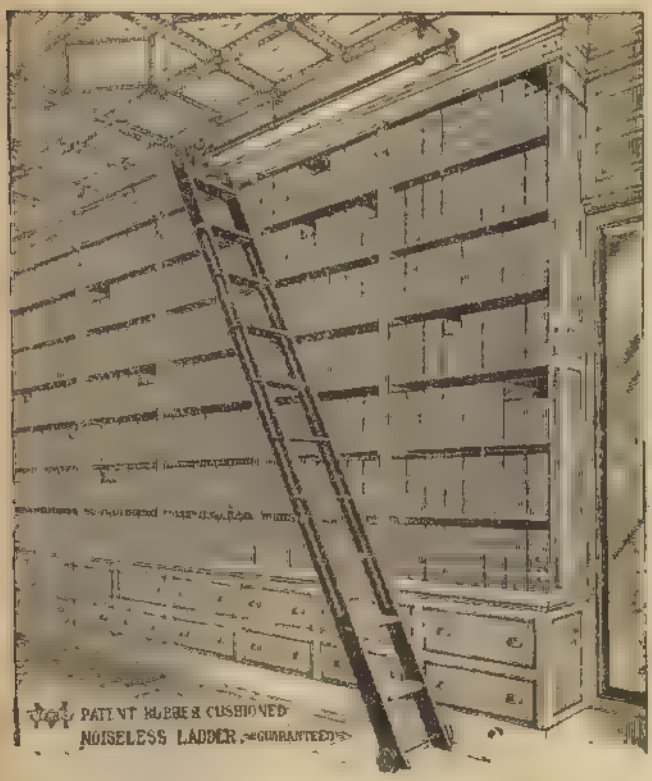
The Longest Length of Steel Track Made is 18 feet; if Track is to Be [illegible] **feet, Two or More Lengths are Joined Together Furnished in** [illegible] **feet Each. All Joints Will Meet at Centers of Uprights or Partitions in Shelving, Which Will Bring the Joints Over Brackets. The Different Lengths are Screwed Together to Make a Continuous, Smooth Track for the Entire Line of Shelving.**

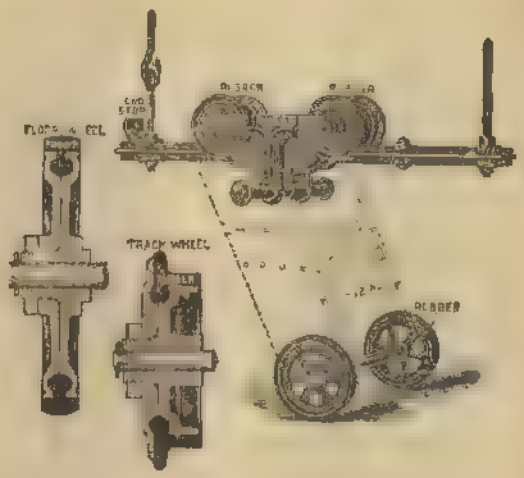
First—Give the Entire Length of Each Line of Shelving.

Second—Measure from Inside of One End of Shelving to Center of an Upright or Partition Nearest to, but Inside of 18 feet from Starting Point. Give this Measurement, then Begin from the Center of the Last Upright or Partition Measured to, and Again Measure to the Center of an Upright or Partition Nearest to, but Inside of 18 feet from Last Starting Point, and so Continue to Measure for as Many Lengths as are Required.

Items Marked † Not Carried in Stock; Made to Order Only and Shipped from St. Louis, Mo.

MYERS CUSHION TIRE STORE LADDERS





No. F20—Ladder and Trolley complete, average w't 60 lbs.★ .....each $36.00

No. F30—Truck, complete with hangers, w't per ft. 2¾ lbs.★ .....each $0.55

Do not forget to give height of ceiling. If height of ceiling varies give the height at each end and center of each run of track. Give length of each run of track.

DESCRIPTION

The track is the well known double angle steel rail, which is very neat and strong, and is suspended from ceiling by means of lag screws, either jointed or rigid or by flanged plates and wood screws. By this means the track is placed close to the ceiling and can be leveled on an uneven ceiling without the least trouble, and without any blocking or bridging, as is the case in many other tracks.

The ladder is constructed of the best clear Georgia pine, nicely finished, filled and varnished, has open panel sides 5 in. wide, steps 5 in. wide. Each step is supported at each end with a special malleable dowel tee, which makes the strongest construction possible. The width of the ladder is 12 in.

The trolley is self-adjusting and made of malleable iron, fitted with turned steel bearings and 3 in. anti-rattler wheels turned and bored on lathe and fitted with special rubber tires.

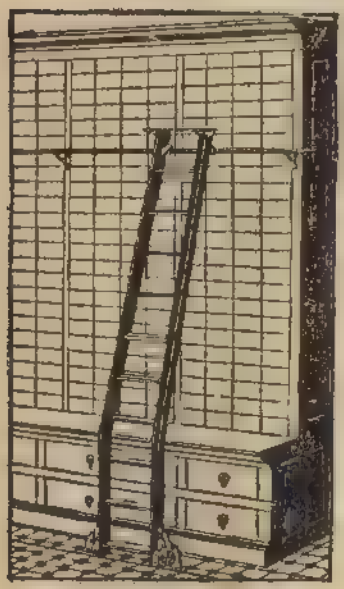
The floor travelers are 5 in. in diameter, composed of metal sides with rubber cushion tires clamped in such a position as to be impossible to get off or come loose. These wheels are placed on a steel axle which revolves with one of the wheels, the other running loose. In this manner the ladder will adjust itself to the floor. With this style trolley, which is noiseless, a great objection in other ladders is overcome.

When the ladder is too long for ceiling, cut off at the bottom and replace the lower traveler shaft by boring new holes at the proper point so as to have the steps of the ladder level.

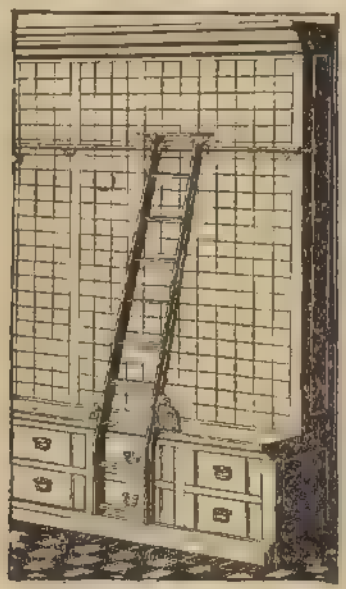
★ **Items Marked Thus ★ Are Shipped From Factory Only.**

BICYCLE AND AUTO STEPLADDERS

MADE OF SELECTED OAK OR GEORGIA PINE, WITH EXTRA WIDE SHELF AT TOP



No. 100. Bicycle—Bent.



No. 110. Bicycle—Bent.

No. 120. Auto—Straight.

Bicycle, for Floor Track.

Oak Japanned Mountings.

Nos.	F100JS	F100JB
Kind	Straight	Bent
W't each, lbs.	40	40
Each	$36 00★	38.00★

Oak, Nickel Plated Mountings.

Nos.	F100NS	F100NB
Kind	Straight	Bent
W't each, lbs.	40	40
Each	$40.00★	42 00★

Bicycle, For Base Track.

Oak, Japanned Mountings.

Nos.	F110JS	F110JB
Kind	Straight	Bent
W't each, lbs.	40	40
Each	$36.00★	38 00★

Oak, Nickel Plated Mountings.

Nos.	F110NS	F110NB
Kind	Straight	Bent
W't each, lbs.	40	40
Each	$40 00★	42.00★

Auto, No Lower Track.

Oak, Japanned Mountings.

Nos.	F120JS	F120JB
Kind	Straight	Bent
W't each, lbs.	40	40
Each	$36.00★	38.00★

Oak, Nickel Plated Mountings.

Nos.	F120NS	F120NB
Kind	Straight	Bent
W't each, lbs.	40	40
Each	$40.00★	42.00★

Above Prices Do not Include Track. See Track Descriptions and Prices Below.

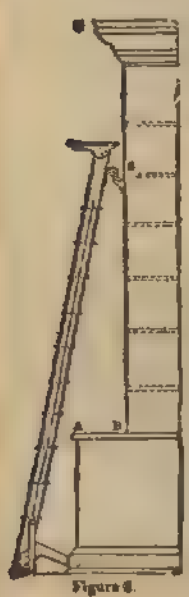


Figure 3.

Bicycle ladders have but two wheels, the track is at the bottom, either on the base shelf or on the floor, so that the entire weight of the ladder and operator is supported from below on a solid foundation and not suspended, holding operator and ladder in perfect balance and eliminating all liability of the ladder sagging the shelving.

A light turned pole guides the upper end of the ladder in moving it. Stout hooks fit over this pole to prevent the ladder from tipping backwards, but not a pound of weight rests on the pole.

Operator stands directly over the wheels, there is no side friction at all and ladder travels as easily as any other bicycle.

The noiseless rail is yielding and resilient, absorbing all vibration due to operation of ladder.

The auto ladder requires no track but runs on flat wheels.

It can be set at any angle or pushed close to the shelving when not in use. It is particularly adapted to short runs, cramped spaces or sloping, uneven floors. The adjusting feature allows guide rail to be placed opposite a shelf regardless of being parallel with the floor.

Track.

No. F22—Steel bronze rail, japanned brackets special pole★	per foot	$0 50
No. F24—Noiseless Fibre rail, japanned brackets, special pole★	per foot	.60
No. F26—Noiseless or nickeled rail, nickel brackets★	per foot	.70
No. F28—For auto ladders, japanned brackets, special pole★	per foot	.40

Approximate weight ¾ lb. per foot.

Any combination of track will fit any of the above ladders, except No. 120 Auto.

No. 22 Track is always sent for Floor Track Ladders, and No. 24 for Base Track Ladders unless otherwise specified.

How to Order Bicycle Ladders. Refer to Figure 3 on this page and give the following measurements: floor to C; floor to A; A to B; and B to S. State whether ladders are to be straight or bent. State length of track wanted and the number of uprights of all kinds in the shelving, and say whether solid uprights, partition boards, turned spindles or iron brackets are used to support the shelving.

★ Items Marked Thus ★ Are Shipped From Factory Only.

MILBRADT ROLLING STORE LADDERS

Showing No. 1 bent ladder, which runs on a track fastened to shelving near the top and runs close to wide base shelf.

The Milbradt Rolling Stepladders are all made to order, and to fit each particular place, of good oak lumber, in the most artistic and neatest style, handsomely finished, are durable and perfectly safe, as they cannot jump the track. They take up the least possible space, run noiselessly and so easily, either empty or with operator upon them, that a slight push will propel a ladder the length of an ordinary store. These ladders have an extra wide shelf at the top, which affords great convenience in handling stock. All iron work on ladders, as well as the brackets to hold up steel track, is malleable, artistic and strong and aluminum finished.

No. F1—Suitable fixtures at the top to run on steel track and rubber covered rollers attached near the lower end to run against the edge of base shelf. Best for all around purposes where shelving is reasonably strong. With fixtures★ .....each **$36.00**

No. F2—For shelving that is not strongly built. Most of the weight of ladder and operator rests on the floor. Runs on a hardwood track at the top and has cushion tired wheels to run on the floor. No track required. Wit fixtures★ ....each **$36.00**

No. F10—Bent ladder that runs on a flat hard wood track screwed on top of original low shelving. When top of shelving is reasonably strong this is the most convenient way to apply a ladder to this style of shelving. With fixtures★ .....,each **$36 00**

No. F15—Trolley or ceiling ladder that suspends from a track fastened to ceiling. Has at the top, suitable iron in which paper filled wheels run noiselessly on the steel track and also has cushion tired wheels that run on the floor. Very strongly built and specially adapted for hardware stores or any place of business where heavy goods are handled. With fixtures, each★ **$36 00**

Showing No. 2 bent ladder, which runs on floor.

Approximate W't Ladder Crated 50 Lbs.

No. F11—Steel Track—For No. 1, regular strength★ per ft. **$0.70**
No. F150—Steel Track—For No. 15★ .....per ft. .70

Approximate W't Steel Track 1 lb. per Foot.

No. F20—Hardwood Track—For No. 2, complete★ per ft. **$0 50**
No. F200—Hardwood Track—For No. 10, complete★ per ft. .50

Approximate W't Steel Track 1 lb. Per Foot.

Showing No. 10 bent ladder, which runs on track screwed on top of original low shelving.

HOW TO ORDER

Ladders as Nos. 1 and 2 give the exact height from floor to top of base shelf; the exact width or projection of base shelf and then the exact height from top of base shelf to top of shelf to which track is to be fastened and the track shell be fastened to a shelf that is about 3 feet from the top.

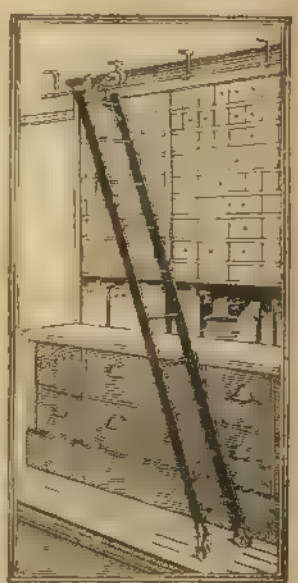
Steel track for ladders No. 1, both regular and extra strong, is 1 inch in diameter and therefore does not block up any space when fastened up opposite the edge of shelf. When ordering steel track give the total length of each line of shelving; second, give distance from center to center of uprights and state how many brackets are required to hold up the steel track. For regular steel track the brackets cannot be more than 4 ft. apart. When the uprights to which bracketts are to be fastened are more than 4 ft. apart, it is necessaary to use extra strong steel track.

Ladder No. 10, give the exact height from floor to top of base; the width or projection of base and then the exact height from base to the top of shelving or cornice on top of which track is to be fastened. Also state how much the cornice or moulding on top of which track is to be fastened, projects out over lower part of shelving.

Trolley ladder No. 15, is only necessary to give the exact height from floor to ceiling and the exact length of each line of track wanted.

To order wood track for ladders Nos. 2 and 10, it is only necessary to state the number of feet required.

For further information write for special Rolling Ladder Catalogue.

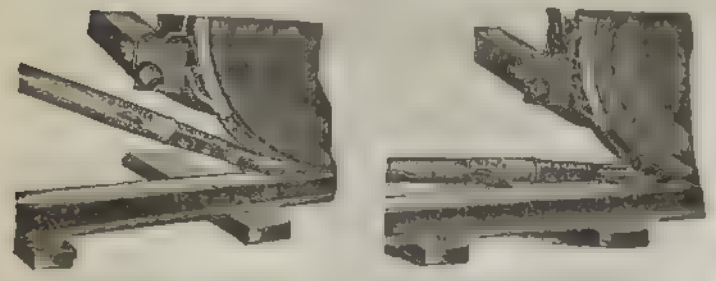


Showing No. 15 trolley or celing ladder, which suspends from a track fastened to celing.

★ **Items Marked Thus ★ Are Shipped From Factory Only.**

CAR MOVERS

BADGER



At Beginning of Movement — At End of Movement

The Most Powerful Device Made for Handling Freight Cars

Has Two "Never-slip" Four Cornered Spurs, which Catch the Outer Edges of the Rail where it is Soft and Not Alone on Top of the Rail which has Become Case Hardened from Contact with Car Wheels; These Spurs Can be Removed and Turned Three Times and Ends Changed Should the Edges Become Dull; By Use of the Double Spur a Double Hold Upon the Rail is Obtained and Thereby Double Resistance Offered Against Slipping.

It is also Provided with a Cam, which is Pivoted to the End of the Main Lever in Such a Way that when the Handle is Pressed Down it Lengthens and Follows the Wheel, Adding an Immense Rolling Power

So Constructed that when the Handle is Raised to Push the Mover Forward it Raises the Spur from the Rail, thus Doing Away with All Springs, which Weaken and Wear Out and Become a Source of Detriment and Trouble.

Each

No. B—Black Japanned Malleable Iron Socket and Shoe; Special Tool Steel Spurs, Hand Maple Handle, Varnished Two Coats. Length Over All 62½ inches; Diameter of Handle at Socket 2¾ inches; Weight Each 15 lbs. **$12.50**

Loose

SAMSON

Light in Weight, but Powerful and Compact, the Leverage of this Mover Being Compound, as Soon as Pressure is Brought to Bear Upon the Handle the Two Points Will Come in Contact with the Car Wheel at the Proper Rolling Distance from the Point where the Wheel Rests on the Rail and in Consequence the Car Wheel is Forced to Turn Instead of Being Lifted from Track as is the Case with the Ordinary Pinch Bar and Many Modern Car Movers.

CAUTION—When Moving Heavy Loaded Cars, Turn the Cam (0) Back and the Power is Increased Over 25 per Cent. (but the Speed is Decreased). When Moving Light Loaded or Empty Cars Turn the Cam (0) Forward and the Speed is Increased over 25 per cent. (but the Power is Decreased). When the Edge of Spur Becomes Dull, Simply Loosen the Nut on Bolt that Passes Through the Clamp (11) and Shoe (8) and Turn the Spur Over to a Sharp Edge. Keep the Opening Under the Spring (4) Reasonably Free from Dirt, Gravel, etc.

Each

No. S—Black Japanned Malleable Iron Socket and Shoe; Tool Steel Spurs; Hardwood Handle. Length Over All 5 feet 3 inches, Diameter of Handle at Socket 2¾ inches; Weight Each 16 lbs. **$10 00**

Loose

CAR STARTERS

Solid Forged Steel, Oil Finish; Tempered Point, Round Handle Octagon Shank, Square Shoulder.

Per Cwt.

✣**No. 472**—Weight Each 38 lbs. **$10.00**

Loose

RAILROAD TRACK LEVELS

With Level Glass

6 feet 4½ inches Long, 6 inches Wide; 1½ inches Thick; Seasoned White Pine With Steel Plated Face and Ends; Wrought Iron Handle; One End Cut in Steps to Obtain Elevation at Curves.

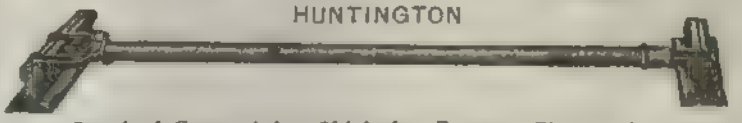
Per Dozen

No. R—Weight Each 9 lbs. **$60.00**

Loose

RAILROAD TRACK GAUGES

HUNTINGTON



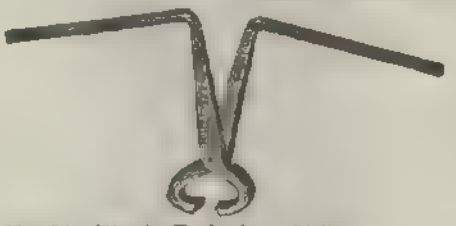
Standard Gauge 4 feet 8½ inches Between Flanges; 5 feet Over All; Natural Finish, Gas Pipe Stem 1¾ inch Diameter; Threaded and Riveted into Malleable Iron Socketed Track Rests; Milled Track Bearings, with Machined Socket Openings; One End Arched; with Double Track Bearings, which Secure a True Right Angle, Avoiding the Inaccuracies at Frogs, Curves and Switches, which Occur from the Use of Ordinary Track Gauges.

Per Dozen

No. 865N—Weight per Dozen about 150 lbs. **$54.00**

Half Dozen in a Bundle

RAIL TONGS



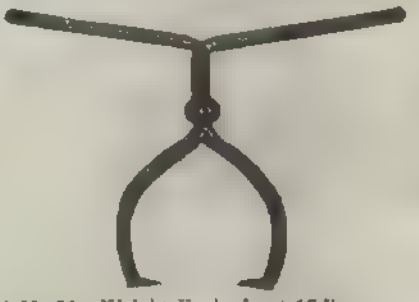
Forged Tool Steel, Oil Finish; 1¼ inch Round Handles; Squared Arms; Heavy Steel Rivet For 35 to 100 lb. Rails; Width from End to End 4 feet; Drop 1 foot.

Per Cwt

No. 20—Weight Each about 20 lbs **$24 00**

Loose

TIE TONGS



Forged Tool Steel, Oil Finish; 1¼ inch Round Handle, Squared Arms; Heavy Steel Rivet

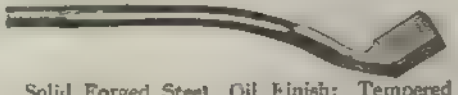
For Carrying Ties, Beams, etc.; Width from End to End 34 inches; Drop 13 inches.

Per Cwt

✣**No 21**—Weight Each about 15 lbs. **$24.00**

Loose

TAMPING BARS



Used for Driving Ballast Under Railroad Ties.

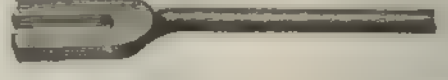
Solid Forged Steel, Oil Finish; Tempered Point, Round Tapered Handle; Octagon Shank; Square Shoulder.

Per Cwt.

✣**No. 471**—Length 6 feet; Size of Tamper 3½x¾ inches; Weight Each 16 lbs. **$17 00**

Loose

RAIL FORKS



Forged Steel, Oil Finish; Round Handle; Two Flattened Prongs on One End; Chisel Point on Other End.

Per Cwt.

No. 3—Weight Each About 18 lbs.; Length 30 inches; Size of Handle 1¼ inches; Slot 4x¾ inch; Width Across Prongs 3 inches. **$10.00**

Loose

Items Marked ✣ Not Carried in Stock; Can Only be Furnished by Shipping Direct From Factory.

RAILROAD TAMPING PICKS

One Chisel and One Tamping Point; Adze Eye; Made of Solid Forged Steel, Oil Finish; Tempered Points.

No.	R17
Weight Each, lbs	7
Length, inches	36
Weight Per Case, lbs.	170
Per Dozen	$16.00

Two Dozen in a Case

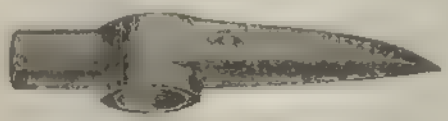
LOCOMOTIVE COAL PICKS

REGULAR PATTERN

Chisel Point Octagon Head; Made of Forged Tool Steel, Oil Finish; Tempered Point. Per Pound

✣No. 391—Weight Each 6 lbs. $0 25

Loose



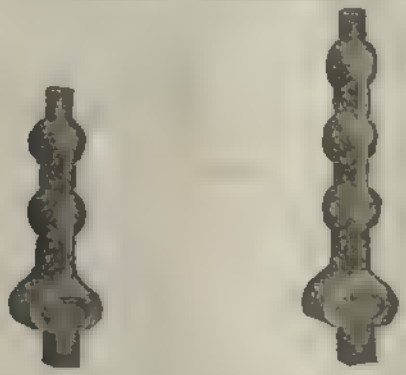
OVAL EYE

Chisel Point Octagon Head; Made of Forged Tool Steel, Oil Finish; Tempered Point. Per Pound

✣No. 393—Weight Each 4 lbs. $0.25

Loose

SPIKE PULLERS



Forged Tool Steel, Oil Finish, Tempered Point.

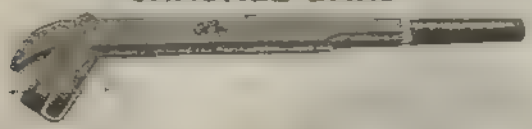
Per Pound

✣No. 382—2 Ball; Weight Each 1¾ lbs. $0 70

✣No. 383—3 Ball; Weight Each 2½ lbs. ..... .70

Loose

SHACKLE BARS



Solid Forged Steel, Oil Finish, Tempered Point; Heavy Steel Rivet and Strap; Round Handle; Octagon Shank; Square Shoulder.

Per Cwt

✣No. 473—Length 5 Feet; Weight Each 26 lbs. $24.00

Loose

PINCH BARS

WITH HEEL

Solid Forged Steel, Oil Finish; Tempered Working Part; Round Tapered Handle, Octagon Shank, Square Shoulder. Per Cwt

✣No 481—Weight Each 26 lbs. $17.00

Loose

CROW BARS

Solid Forged Steel, Oil Finish; Tempered Point, Tapered Round Loop Handle; Octagon Shank; Square Shoulder

No. WP—WEDGE POINT

Weight, lbs.	12	14	16	18	20
Length, feet	4½	4½	4¾	5	5⅛
Size Square, inches	1⅛	1¼	1⅛	1¼	1⅜
Per Cwt, All Sizes					$13 00
Weight, lbs.	**22**	**24**	**✣ 26**	**✣ 28**	**✣ 30**
Length, feet	5⅛	5⅛	6	6	6
Size Square, inches	1⅜	1⅜	1⅜	1⅜	1½
PerCwt., All Sizes					$13 00

No. PP—PINCH POINT

Weight, lbs.	12	14	16	18	20
Length, feet	4½	4½	4¾	5	5⅛
Size Square, inches	1⅛	1¼	1¼	1¼	1⅜
Per Cwt., All Sizes					$13 00
Weight, lbs.	**22**	**24**	**✣ 26**	**✣ 28**	**✣ 30**
Length, feet	5⅛	5⅛	5⅜	5⅜	6
Size Square, inches	1⅜	1⅜	1½	1½	1½
Per Cwt., All Sizes					$13.00

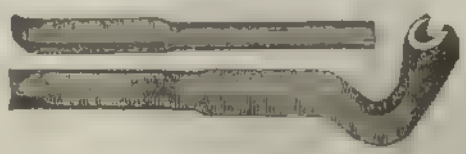
✣ No. LB—LINING BARS; DIAMOND POINT

Used for Lining up and Prying Rails into Position

Weight, lbs.	18	20	24
Length feet	5	5⅛	5½
Size Square, inches	1⅜	1⅜	1½
Per Cwt., All Sizes			$13 00

Loose

CLAW BARS



Forged Steel, Oil Finish; Tempered Working Ends, Tapered; Round Handle Octagon Shank; Square Shoulder; For Drawing Spikes, Prying Rails, etc.; also Used in Wrecking Buildings, Bridges, etc.

Per Cwt.

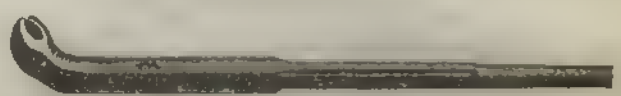
✣ No. 452—Goose Neck; Length About 5 feet; Weight Each About 25 lbs; Size of Square Shoulder 1¾x1¾ inches. $17.00

Loose

Per Cwt.

No. 451—Verona Pattern; with Heel; Length About 5 feet; Weight Each 30 lbs.; Size of Square Shoulder 1¾x1¾ inches. . $17.00

Loose

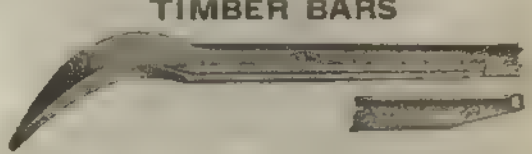


Solid Forged Steel, Oil Finish; Tempered Working Part; Round Handle; Octagon Shank; Square Shoulder; For Drawing Spikes, Prying Rails, Etc. Per Cwt.

✣No. 441—Weight Each 28 to 30 Pounds. $17.00

Loose

TIMBER BARS



Solid Forged Steel, Oil Finish; Tempered Working Part, Round Tapered Handle; Octagon Shank; Square Shoulder. Per Cwt

✣No. 502—Weight Each 18 to 20 lbs. $17.00

Loose

Items Marked ✣ Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory, Alton, Ill.

TRACK WRENCHES

Drop Forged, Solid Steel, Oil Finish; Hardened Ends.

†No. 4—STRAIGHT; SINGLE END, Length 24 Inches

Opening, inches	1¼	1⅜	1½
For Nut, inch	⅞	¾	⅞
Weight Each About, lbs.	5	5½	6
Per 100 Pounds, All Sizes			$20.00

Loose

Drop Forged, Solid Steel, Oil Finish; Hardened Ends.

†No. 5—STRAIGHT; DOUBLE END, Length 24 Inches

Opening inches	1¼ and 1⅜	1¼ and 1½
For Nut, inch	⅝ and ¾	⅝ and ⅞
Weight Each About, lbs.	6	7
Per 100 Pounds, All Sizes		$24.00

Loose

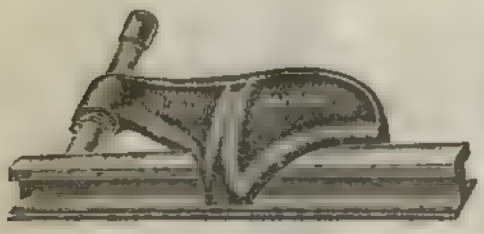
Drop Forged, Solid Steel, Oil Finish, Hardened Ends.

†No. 2—"S" WRENCH; DOUBLE END, Length 24 Inches

Opening, inches	1¼ and 1⅜	1¼ and 1½
For Nut, inch	⅝ and ¾	⅝ and ⅞
Weight Each About, lbs.	5½	6½
Per 100 Pounds, All Sizes		$27 00

Loose

RAIL BENDERS



SAMSON

Light in Weight but Very Powerful in Action. Can be Operated by One Man. Frame Open Hearth Steel. Screw Works in Bronze Nut and is Provided with Anti-friction Washers. Hardened Steel Thrust.

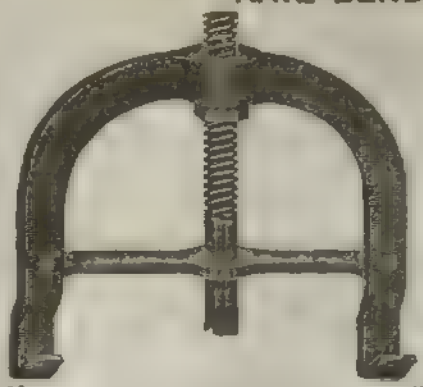
	Each
No. Samson—Weight Each 140 lbs.	$74 00

Loose

THESE ARE NOT TOY TOOLS

TRACK WRENCHES, RAIL BENDERS, ETC.; MADE OF DROP FORGED, SOLID STEEL WITH OIL FINISH. PARTICULAR CARE IS USED TO HAVE THEM SIMPLY PERFECT, DEVOID OF THE LEAST FLAW OR IMPERFECTION. IT IS A FACT THAT THESE TOOLS ARE OFTEN CALLED INTO USE IN MOST IMPORTANT WORK THAT MUST BE DONE JUST EXACTLY RIGHT. AND REMEMBER WHETHER IT BE RAIL BENDERS OR EGG BEATERS YOU STAND IN NEED OF, WHEN YOUR STOCK GROWS LOW ORDER THEM BY MAIL AND WE WILL GIVE YOU PROMPT SERVICE AND FAIR PRICES. WE ARE ALWAYS PREPARED AT THIS END AND OUR FORCE IS READY TO SERVE YOU.

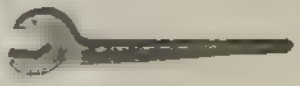
RAIL BENDERS



STANDARD OR JIM CROW

With Wrench

Heavy Forged Open Hearth Steel, Natural Finish Frame; Steel Bending Screw with Square Machine Cut Threads, Bolted Steel Cross Bar.



Nos	†1N	†2N	†3N
Bends Rails, lbs.	100	85	75
Span, inches	26	24	22
Screws, inches	2½	2½	2
Weight Each, lbs.	180	150	110
Each	$67 00	60 00	45 00
Nos	†N4	†N5	†N6
Bends Rails, lbs.	50	25	16
Span, inches	18	16	14
Screws, inches	1¾	1¾	1¼
Weight Each, lbs.	85	60	40
Each	$40.00	30 00	26.00

Loose

CHICAGO

Widely Used in Mines Because of Compactness and may be used for Many Purposes.

Drawn From Best Open Hearth Steel, Natural Finish; Steel Screw with Square Cut Threads; Malleable Cap to Fit Rails.

Without Lever

Nos	†1B	†2B	†3B
Bends Rails, lbs.	100	85	75
Lever Hole, inch	1⅜	1⅜	1¼
Span, inches	28	28	24
Screws, inches	2¾	2⅝	2½
Weight Each, lbs.	170	145	110
Each	$49 00	45 00	38 00
Nos	†4B	†5B	†6B
Bends Rails, lbs.	50	25	16
Lever Hole, inch	1⅜	1	1
Span, inches	20	16	14
Screws, inches	2¼	2	1¾
Weight, Each, lbs.	95	65	40
Each	$33 00	25 00	17.50

Loose

SMITH

Double Acting, With Wrench.

Forged From Best Open Hearth Steel Billets. Bends or Straightens by Operation of Nut, Steel Screw, With Square Machine Cut Threads Practical in Mines; May be Used in Small Space.

Nos.	†DA1	†DA2	†DA3	†DA4	†DA5	†DA6
Bends Rails, lbs.	100	85	75	50	25	16
Span, inches	26	24	22	18	16	14
Screws, inches	2¾	2½	2	2	1¾	1¾
Weight Each, lb.	200	160	125	90	70	50
Each	$50.00	45 00	33.00	25.00	21.00	18.00
	80 00	72 00	52.80	40 00	33 60	28.80

Loose

Items Marked † Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory

SPARK PLUGS

No. 15

No. 16

No. 17

No. 18

RAJAH

The Threads of the Steel Shells are Guaranteed Accurate. The Half-inch Plug Requires Long Wire Porcelains; Other Sizes, the Porcelains are Interchangeable "Rajah" Plugs Can be Fitted with Wires of Special Length to Give Any Desired Firing Point.

		Each
No. 15—½-inch Pipe Thread Standard		$1.50 -- --
No. 16—Metric Standard		1.80 -- --
No. 17—½-inch 18 A. L. A. M. Standard		1.80 -- --
No. 18—Porcelain		1.00 -- --

One in a carton. Weight, each, about ¼ pound.

MOSLER SPIT-FIRE

Especially Designed and Built on a Plan which Embodies Distinct Advantages Over All Other Spark Plugs. Has the Closed End and Flat Base which Enters the Cylinder. As its Name Implies, it Actually Spits Fire. Being the Only Plug Having this Feature, as All Other Plugs Only Spark. Its Special Base Design Gives Protection to the Porcelain and Sparking Point. The Base Acts as a Condenser of Electricity and Forms a Compression Chamber, Heating the Compressed Gas, Ready to be Shot Into the Cylinder when Ignited. Has Genuine Iridium Platinum Point. The Porcelain is of the Best Material.

		Each
No. 1—½-inch Pipe Thread Standard		$1.00 -- --
No. 2—Metric Standard		1.00 -- --
No. 3—½-inch 18 A. L. A. M. Standard		1.25 -- --

One in a carton. Weight, each, about ¼ pound.

MOSLER TRIUMPH

Constructed Along the Best Lines of Modern Improved Ideas. Guaranteed by the Makers to be Unequaled in Workmanship, Durability and Efficiency. Best Material Used Throughout. Is of the Open End Type with a Deep Recess in the Insulator. Especially Designed to Comply with the Requirements where Open End Plugs are Compulsory. Hand Turned Porcelain, with Pure Asbestos Wicking. Absolutely Gas Tight

		Each
No. 11—½-inch Pipe Thread Standard		$ .75 -- --
No. 11½—Metric Standard		.75 -- --
No. 12—½-inch A. L. A. M. Standard		.75 -- --

One in a carton. Weight, each, about ¼ pound.

SPARK PLUGS

½-inch Open End Cone End

⅜-18 Open End Cone End

MOSLER SPIT-FIRE CONICAL TYPE

Combines Open End Feature With Famous "Spit-Fire" Stuffing Box Construction, Thereby Assuring a Perfectly Gas Tight Plug. Ideal for Speed and Endurance.

		Each		
No. 25—½ inch Pipe Thread		$ .75	--	--
No. 26—½ x 18 Pipe Thread		1.00	--	--

One in a carton. Weight, each, about ½ pound.

MOSLER SUPERIOR

This Plug is Especially Made to Meet the Requirements of the Ford Model "T" Engine. The Design is Endorsed by Their Leading Engineers and Our Experts We Guarantee This Plug as to Workmanship and Material.

No. 35	$ .75	--	--

One in a carton Weight, each, about ½ pound.

MOSLER JUNIOR

For Magneto or Battery. A low priced plug that meets every demand. Separable.

	Each		
No. 20—½-inch	$ .50	--	--
No. 21—Metric	.50	--	--
No. 22—½ x 18	.50	--	--

One in a carton. Weight, each, about ½ pound.

MOSLER PRIMING

Not a Copy. Original in Design. Not a Makeshift. Made an Integral Part of the Plug No Valves to Leak. No Soldered Extension. The Groove in the Plug is the Receptacle for the Gasoline. The Body of the Shell Carries a Needle-Valve Which Seats Itself, Making an Absolutely Hermetically Sealed Joint.

	Each		
No. 30—½-inch only	$1.50	--	--

One in a carton Weight, each, about ½ pound.

SPARK PLUGS

SPLITDORF COMMON SENSE

This Plug, Which is Really a Mica Plug and Whose Construction is Clearly Shown in the Accompanying Cut, Has Jumped Into Popularity With the Users of Gasoline Motors in a Fashion Which Leaves no Possible Doubt That the Plug is Built on the Right Lines. Those Motors Which are Equipped With Magnetos Have Found it Especially Valuable, as it Seems to be the Only Plug in the Market To-day Which Will Stand the Combined Ravages of the Intense Heat of the Magneto Spark and the Natural Heat in the Cylinder of a Gasoline Motor. Many of Our Sample Sets Have Not Been Taken Out of the Cylinders in Over a Year. The Price is Very Low, and we Make it in All Sizes and Threads.

	Each		
No. 60 ½-inch	$1.25	--	--
No. 61—Metric	1.25	--	--
No. 62—⅝ x 18	1.25	--	--
No. 63—Motorcycle	1.25	--	--

One in a carton. Weight, each, about ¼ pound.

SPARK PLUG PUMP

MAYO

The Spark Plug Core Slips Out—the Pump Slips In.

It is Adaptable for Use on all 4-Cycle Motors of 2, 4 or 6 Cylinders (Not Operative on 2-Cycle Type) and Offers at Last a Simple and Practical Way of Inflating Tires with Pure Fresh Air Without Resorting to the Laborious Work of Hand Pumping. It Pumps the Air You Breathe, Producing a Perfectly Inflated Tire not Possible with High Speed, Gear Driven, Friction Operated Tire Pumps Which are Noisy, Gear-Stripping, Expensive to Install and Which Actually Pump Only, Greasy Air Into a Tire.

Simply Remove a Spark Plug From Any Convenient Cylinder and Substitute the Pump, With the Hands Only. This is the Quickest Way to Attach the Pump to Any Motor. The Cylinder Occupied by the Pump Does Not Fire. Therefore, with a Dual Ignition System, the Ignition Wire Should be Detached From the Spark Plug Remaining in That Cylinder. For Convenience of Attaching, we Recommend the Use of Our Special Mayo Quick Detachable Spark Plug.

The Core of this Spark Plug Quickly Slips Out; the Pump Quickly Slips In. Both Operations in Two Seconds' Time.

After Connecting the Hose From Pump to Tire, the Motor Should be Started on Low Throttle and Run Slowly From Two to Five Minutes, Depending on the Size of Tire and Pressure Desired. Maximum Pressure, 150 Pounds.

This Device Works Equally Well on Any Size Car, From the Smallest to the Largest. It is Absolutely Fool-Proof and Non-Adjustable, Requiring no Attention Other than an Occasional Drop of Oil.

The Mayo Spark Plug Pump is Strongly Constructed and Designed on the Compound Principle. Pure, Fresh Air, Guaranteed to be the Only Source of Inflation, is Liberally Supplied by the Intake Air Valve, Compounded Into a Small Barrel and Thence Forced to the Tires. The Construction is Simple and Mechanically Perfect Throughout, with no Wearing Parts to Give Trouble or Get Out of Order—Just Like Your Engine with Metal Rings and Metal Valves. Built to Last as Long as Your Car.

The Pumping Piston Operates Only When Motor is Run on Low Throttle. It Locks Automatically when the Engine is Raced, or the Hose Connection Removed From the Tire Valve. Again Operating when Throttle is Lowered or Connection to Tire Completed.

Each Pump, Before it is Packed for Shipment, is Carefully Tested Out on a 4-Cylinder Gasoline Engine.

Size, 10 Inches Long, 2½ Inches in Diameter. Weight, 2½ Pounds. So Small, Light and Compact That it May be Carried Anywhere. Black Enamel Finish with Polished Brass Parts. Packed One in a Case, Complete with 12 Feet of Superior Hose and Pressure Gauge with Connections and Adapters to Fit any Car.

	Each		
No. P—Without Spark Plug	$18.00	---	---
No. SP—Complete with a Mayo Quick Detachable Spark Plug	19.50	---	---

Weight, Ready for Parcel Post Shipment, 6 Pounds.

GREASE GUN

JUMBO

Made of Heavy Seamless Brass Tubing; It has a Solid Turned Brass Plunger. The Bayonet Lock Does Away with the Troublesome Fine Thread Used on Other Guns.

	Each		
No. J—Loose. Weight, about 1½ pound	$2.25	---	---

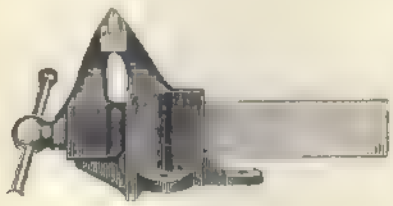
ALBANY HARDWARE & IRON CO.

REED'S VISES

Nos. 103 to 105

Machinist's. Stationary base and jaws with tool steel facings.

No.	Jaw Width	Jaws Open	Weight	Each
103	3 in.	4 in.	22 lbs.	$10.00
103½	3½ in.	5 in.	29 lbs.	11.25
104	4 in.	6 in.	43 lbs.	12.75
104½	4½ in.	7 in.	57½ lbs.	15.50
105	5 in.	8 in.	73 lbs.	20.00
106	6 in.	10 in.	135 lbs.	39.00

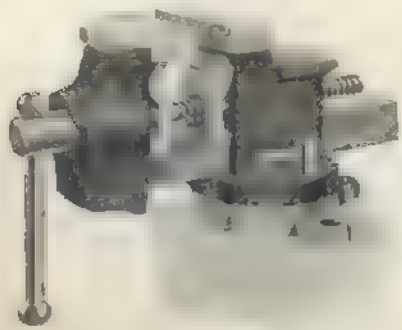


No. 124

Watchmaker's. Extra deep throat, high and lean jaws of tool steel, not hardened.

No.	Jaw Width	Jaws Open	Weight	Each
124	4 in.	7 in.	46 lbs.	$15.00

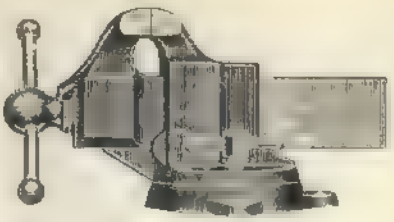
COLUMBIAN VISE



No. 143½

Gregg vise. Malleable iron jaws and anvil. Solid wrought steel sliding bar. Swivel base. With pipe jaws.

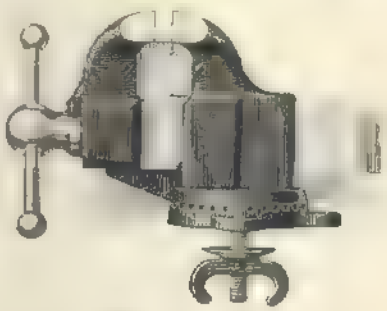
No.	Jaw Width	Jaws Open	Weight	Each
143½	3½ in.	4 in.	16 lbs.	$5.50



Nos. 203 to 205

Machinist's. Swivel base, stationary jaws with tool steel facings.

No.	Jaw Width	Jaws Open	Weight	Each
203	3 in.	4 in.	27 lbs.	$13.00
203½	3½ in.	5 in.	38 lbs.	15.00
204	4 in.	6 in.	51 lbs.	17.00
204½	4½ in.	7 in.	66 lbs.	20.00
205	5 in.	8 in.	89 lbs.	30.00
205½	5½ in.	9 in.	120 lbs.	38.00



Nos. 31 and 32

Swivel base combination. Tool steel, milled, pipe jaws. Jaws reversible, [illegible] one reversible.

No.	Jaw Width	Jaws Open	Holds Pipe	Weight	Each
31	3½ in.	4 in.	⅛ to 2 in.	46 lbs.	$16.00
32	4½ in.	5 in.	⅛ to 3 in.	72 lbs.	22.00

COLUMBIAN VISES

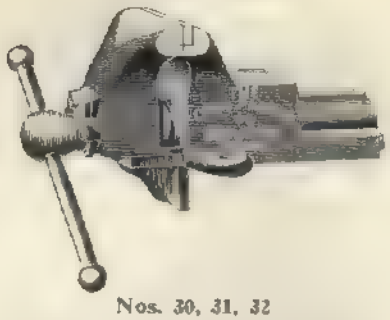
Nos. 143, 144

Garage and household vise. Malleable iron jaws and anvil. Solid wrought steel sliding bar. Stationary base. With pipe jaws.

No.	Jaw Width	Jaws Open	Weight	Each
143	3 in.	3½ in.	13 lbs.	$5.00
144	4 in.	4 in.	26 lbs.	8.25

All vises on this page are packed singly

PARKER'S VISES



Nos. 30, 31, 32

Jaws are faced with high grade steel, cast on Oval slide

No.	Jaw Width	Jaws Open	Packed	Weight	Each
30	2½ in.	3 in.	1	8½ lbs.	**$3.50**
31	3 in.	3½ in.	1	13 lbs	**4.00**
32	3½ in.	4 in	1	[illegible] lbs	**5.25**

STANLEY'S VICTOR VISES

Nos. 741 to 745

No. 775

Nos. 741 to 745. Iron jaws, clamp base
No. 775. Steel jaws, swivel base

No.	Jaw Width	Packed	Weight	Each
741	1½ in.	1	3 lbs	**$1.50**
743	2 in	1	3½ lbs	**2.25**
745	2½ in.	1	5 lbs	**3.25**
775	2½ in.	1	5½ lbs	**4.00**

YANKEE VISES

No. 993
Plain Base

No. 1993
Swivel Base

No.	Jaw Width	Jaws Open	Packed	Weigh	Each
993	2¾ in.	3⅛ in.	1	8¼ lbs	**$7.00**
1993	2¾ in.	3⅛ in.	1	13½ lbs	**9.50**

PIN VISES

Nos. 162A to 162C

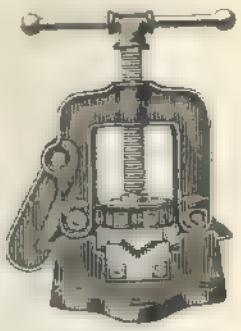
No.	Capacity	Packed	Weight	Each
162A	.000 to .040 in.	6	6 oz.	**$0.65**
162B	.030 to .062 in	6	8 oz.	**.65**
162C	.050 to .125 in	6	10 oz.	**.65**

PIPE VISES

No. 1 Vulcan

Drop forged. Chain type

No.	Pipe Capacity	Packed	Weight	Each
1	⅛ to 2 in.	1	4 lbs	**$7.00**



Nos. 71 to 73

Hinge and latch pattern

No.	Pipe Capacity	Packed	Weight	Each
71	⅛ to 2½ in.	1	10 lbs	**$5.00**
72	⅛ to 3½ in	1	16 lbs	**7.50**
73	⅛ to 4½ in	1	25 lbs	**11.00**

*BLACKSMITH'S VISES

Solid Box

No. and Weight	Width Jaws	Each
50	4¼ in.	**$11.50**
60	4½ in.	**13.00**
70	5 in.	**15.00**
90	5½ in.	**20.00**
100	6 in.	**22.00**
130	6½ in.	**29.00**
150	7 in.	**36.00**

*Factory shipment only

ALBANY HARDWARE & IRON CO.

FORGES

No. 510 Rivet Forge

Steel pipe legs. One piece steel hearth. Blower has 12 inch diameter fan, with ratio of 47½ to 1

Fire Pan	Packed	Weight	Each
18 in. diam.	1	141 lbs.	$24.00

No. 240H, Garage and Repair Forge

Heavy cast iron hearth mounted on four steel pipe legs braced as illustrated. 12 inch diameter fan, geared to 47½ to 1 ratio. Without water tank.

No.	Fire Pan	Hood	Crated	Each
240H	23x30 in.	half hood	266 lbs.	$35.25

No. 243H, Blacksmith's Forge

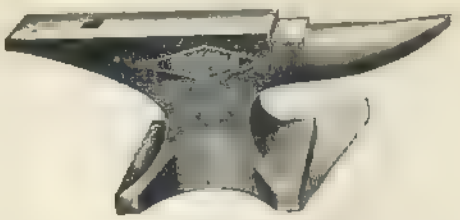
Cast iron hearth, mounted on four steel pipe legs which are reinforced with cross bar braces. 14 inch diameter fan, geared to 47½ to 1 ratio. Without water tank

No.	Fire Pan	Hood	Crated	Each
243H	28x40 in.	half hood	348 lbs.	$43.25

WATER TANKS

For Forge	Packed	Weight	Each
No. 240H	1	lbs.	$4.50
No. 243H	1	lbs.	4.50

ANVILS



American Trenton

Forged in two pieces. Wrought steel base. Tool steel face. Welded at the waist.

Stock sizes weigh approximately 70, 100, 125 and 150 pounds each.

Pounds	Per Pound
80 to 425	$0.25
70 to 79	.25½
60 to 69	.26

CHISELS

No. 1290 Cold

Cutting edge, inches	1¼	1½	1¾
Weight each, pounds	2	3	5
Each	$1.05	1.50	2.45

No. 1300 Hot

Size, (stock), inches	1	1
Cutting edge, inches	[illegible]	2
Weight each, pounds	2	3
Each	$1.05	1.50

HARDIES

No. 1310

Size shank, inches	⅞	1	1⅛
Weight each, pounds	1½	2	2½
Each	$0.90	1.00	1.30

REVOLVING SCREW AND BOLT CASES

AMERICAN

Tops and Bottoms are Double, with the Grain of the Wood Crossed, Glued and Screwed Together, and Braced with Iron Rods, Which Bind the Whole Firmly Together, thus Making it Strong Enough to Bear Three Times the Weight that Can be Put into Them, and by Which Means They Revolve Perfectly True and Easy.

Iron Standards, Screwed Firmly into an Iron Hub in the Bottom, Make them Perfectly True and Solid.

Regular Cases are Made of the Best Seasoned Tennessee Poplar Finished in Imitation of Cherry. We Furnish Cases of Oak When So Ordered. The Fronts of Drawers are Made of the Best Norway Pine, with the Sizes They Contain Neatly Printed on. No Store that Handles Bolts and Screws is Complete Without One of These Cases, as They Prevent Mixing of Screws and Bolts, thus Enabling Dealers to Keep Their Stock in Good Shape, Making it a Pleasure Instead of a Task to Handle Them. The Drawers are All Provided with Stops to Prevent Their Removal from the Case, Each Drawer Holds a Full Package of Bolts or Screws of the Size and Number Indicated on the Front of the Drawer.

All Numbers on Bolt and Screw Cases Will be Changed to Suit Purchaser Without Extra Charge.

SIZE 1—SCREW CASE

Contains Labeled Drawers for Following Sizes.

Inches, ½x3, 4, 5, 6, 7.
Inches, ⅝x5, 6, 7, 8.
Inches, ¾x5, 6, 7, 8, 9.
Inches, ⅞x7, 8, 9, 10.
Inches, 1x6, 7, 8, 9, 10, 11, 12, 13, 14.
Inches, 1¼x7, 8, 9, 10, 11, 12, 13, 14, 15.
Inches, 1½x8, 9, 10, 11, 12, 13, 14, 15, 16.
Inches, 1¾x9, 10, 11, 12, 13, 14, 15, 16, 17.
Inches, 2x10, 11, 12, 13, 14, 15, 16, 17, 18.
Inches, 2½x12, 13, 14, 15, 16.
Inches, 3x16, 18, 20, 22.

SIZE 2—SCREW CASE

Contains Labeled Drawers for Following Sizes:

Inches, ⅜x2, 3, 4.
Inches, ½x3, 4, 5, 6, 7.
Inches, ⅝x4, 5, 6, 7, 8.
Inches, ¾x4, 5, 6, 7, 8, 9, 10.
Inches, ⅞x6, 7, 8, 9, 10, 11.
Inches, 1x6, 7, 8, 9, 10, 11, 12, 13, 14
Inches, 1¼x7, 8, 9, 10, 11, 12, 13, 14, 15.
Inches, 1½x8, 9, 10, 11, 12, 13, 14, 15, 16.
Inches, 1¾x9, 10, 11, 12, 13, 14, 15, 16, 17.
Inches, 2x10, 11, 12, 13, 14, 15, 16, 17, 18.
Inches, 2½x12, 13, 14, 15, 16.
Inches, 3x16, 18, 20, 22.

SCREW CASES

SIZE 3—SCREW CASE

Contains Labeled Drawers for Following Sizes

Inches, ¼x1, 2.
Inches, ⅜x2, 3, 4, 5.
Inches, ½x3, 4, 5, 6, 7.
Inches, ⅝x4, 5, 6, 7, 8, 9.
Inches, ¾x4, 5, 6, 7, 8, 9, 10
Inches, ⅞x5, 7, 8, 9, 10, 11, 12
Inches, 1x6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16.
Inches, 1⅛x8, 9, 10, 11, 12, 13, 14, 15, 16.
Inches, 1¼x9, 10, 11, 12, 13, 14, 15, 16, 17, 18
Inches, 2x10, 11, 12, 13, 14, 15, 16, 17, 18.
Inches, 2½x12, 13, 14, 15, 16.
Inches, 3x16, 18, 20, 22

SIZE 4—SCREW CASE

Contains Labeled Drawers for Following Sizes:

Inches, ¼x1, 2.
Inches, ⅜x2, 3, 4, 5, 6.
Inches, ½x3, 4, 5, 6, 7, 8.
Inches, ⅝x4, 5, 6, 7, 8, 9, 10, 11.
Inches, ¾x4, 5, 6, 7, 8, 9, 10, 11, 12.
Inches, ⅞x6, 7, 8, 9, 10, 11, 12.
Inches, 1x6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16
Inches, 1¼x7, 8, 9, 10, 11, 12, 13, 14, 15
Inches, 1½x8, 9, 10, 11, 12, 13, 14, 15, 16
Inches, 1¾x9, 10, 11, 12, 13, 14, 15, 16, 17.
Inches, 2x10, 11, 12, 13, 14, 15, 16, 17, 18.
Inches, 2½x12, 13, 14, 15, 16.
Inches, 3x16, 18, 20, 22.
Inches, 3½x16, 18, 20.

Poplar Wood—Cherry Stained

		Each
✣No. 1P	72 Drawers, 33 in. High, 21 in. Wide; Wt. 130 lbs.	$95.00 50.00
✣No. 2P	80 Drawers; 36 in. High, 21 in. Wide; Wt. 130 lbs.	107.40 56.50
✣No. 3P	88 Drawers; 39 in. High, 24 in. Wide; Wt. 135 lbs.	117.80 62.00
✣No. 4P	96 Drawers; 42 in. High, 24 in. Wide; Wt. 135 lbs.	126.40 66.50

One in a Crate

Oak—With Label Holders

		Each
✣No. 1K	72 Drawers; 33 in. High, 21 in. Wide, Wt. 135 lbs.	$120.70 63.50
✣No. 2K	80 Drawers; 36 in. High, 21 in. Wide, Wt. 135 lbs.	133.00 70.00
✣No. 3K	88 Drawers; 39 in. High, 24 in. Wide, Wt. 140 lbs.	148.20 78.00
✣No. 4K	96 Drawers; 42 in. High, 24 in. Wide, Wt. 140 lbs.	161.50 85.00

One in a Crate

SIZE 1—BOLT CASE

Contains Labeled Drawers for Following Sizes of Bolts:

Tire Bolts

Inches, ⅛x1¼, 1½, 1¾, 2, 2¼, 2½, 2¾, 3.
Inches, ¼x1¼, 1½, 1¾, 2, 2¼, 2½, 2¾, 3.
Inches, ⅛x2, 2¼, 2½.

Carriage Bolts

Inches, ¼x1¼, 1½, 1¾, 2, 2¼, 2½, 2¾, 3, 3¼, 3½, 3¾, 4, 4¼, 4½, 4¾, 5.
Inches, ⅛x1¼, 1½, 1¾, 2, 2¼, 2½, 2¾, 3, 3¼, 3½, 3¾, 4, 4¼, 4½, 4¾, 5, 5¼, 5½, 6.
Inches, ⅜x2, 2¼, 2½, 2¾, 3, 3¼, 3½, 3¾, 4, 4¼, 4½, 5, 6.
Inches, ⅛x2, 2½, 3, 3½, 4, 4½, 5, 5½, 6, 6½, 7, 8, 9, 10
Inches, ½x2, 2½, 3, 3½, 4, 4½, 5, 5½, 6, 6½, 7, 8, 9, 10, 11, 12.

Poplar Wood—Cherry Stained

		Each
✣No. 5BP	98 Drawers, 60 inches High, 30 inches Wide; Weight, 380 lbs.	$193.80 102.00
✣No. 6BP	104 Drawers; 65 inches High, 30 inches Wide; Weight, 400 lbs.	210.00 110.50

One in a Crate

BOLT CASES

SIZE 2—BOLT CASE

Contains Labeled Drawers for Following Sizes of Bolts:

Tire Bolts

Inches, ⅛x1¼, 1½, 1¾, 2, 2¼, 2½, 2¾, 3.
Inches, ¼x1¼, 1½, 1¾, 2, 2¼, 2½, 2¾, 3.
Inches, ⅛x2, 2¼, 2½

Carriage Bolts

Inches, ¼x1¼, 1½, 1¾, 2, 2¼, 2½, 2¾, 3, 3¼, 3½, 3¾, 4, 4¼, 4½, 4¾, 5.
Inches, ⅛x1¼, 1½, 1¾, 2, 2¼, 2½, 2¾, 3, 3¼, 3½, 3¾, 4, 4¼, 4½, 4¾, 5, 5¼, 5½, 6.
Inches, ⅜x2, 2¼, 2½, 2¾, 3, 3¼, 3½, 3¾, 4, 4¼, 4½, 5, 6.
Inches, ⅛x2, 2½, 3, 3½, 4, 4½, 5, 5½, 6, 6½, 7, 7½, 8, 8½, 9, 9½, 10.
Inches, ½x2, 2½, 3, 3½, 4, 4½, 5, 5½, 6, 6½, 7, 7½, 8, 8½, 9, 9½, 10, 11, 12.

Oak—With Label Holders

		Each
✣No. 5BK	98 Drawers; 60 inches High, 30 inches Wide; Weight, 385 lbs.	$252.70 133.00
✣No. 6BK	104 Drawers; 65 inches High, 30 inches Wide; Weight, 390 lbs.	274.20 144.50

One in a Crate

Items Marked ✣ Not Carried in Stock, Can Only be Furnished by Shipping Direct from Factory, Dayton, Ohio.

REVOLVING CASES

AMERICAN

For Full Descriptive Matter, See Preceding Page

Drawer Sizes

Inside Measurements

Case Nos. 10, 10L, 12 and 12L; Depth 2¼ in.; Length 5⅝ in.; Width Front 6¼ in., Back 1¾ in.

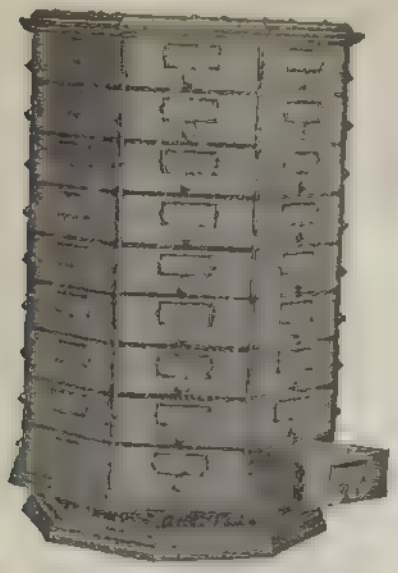
Case Nos. 14, 14L, 16 and 16L; Depth 2¼ in.; Length 6⅝ in.; Width Front 7¾ in.; Back 1¾ in.

Case Nos. 18, 18L and 18LK; Depth 3¼ in.; Length 7¾ in.; Width Front 8⅝ in.; Back 1¾ in.

Case Nos. 20, 20L, 22, 22L, 20LK and 22LK; Drawers in Revolving Part; Depth 3¼ in.; Length 7¾ in.; Width Front 8⅝ in., Back 1¾ in.

Base Drawers

Depth 3¾ in., Width [illegible] Length 27 in.



Poplar Wood; Cherry Stained

72 Drawers; 33 inches High; 21 inches Wide

		Each
✣No. 10—With Knobs	$95.00	50 00
✣No. 10L—With Knobs and Label Holders	108 30	57 30

Weight Each, 175 lbs.

80 Drawers, 36 inches High; [illegible] inches Wide

		Each
✣No. 12—With Knobs	$107 40	[illegible]
✣No. 12L—Knobs & Label Holders	114 00	[illegible]

Weight Each, [illegible] lbs.

88 Drawers; 39 inches High, 24 inches Wide

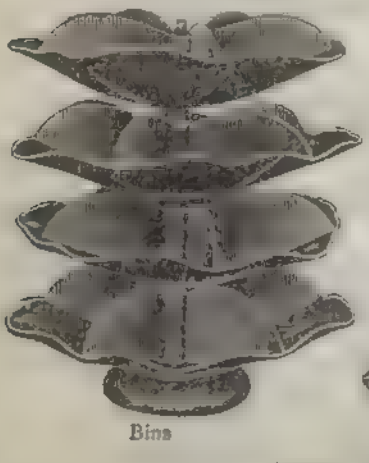
		Each
✣No. 14—With Knobs	$117 80	[illegible]
✣No. 14L—Knobs & Label Holders	123.50	65.00

Weight Each, 135 lbs.

96 Drawers; 42 inches High, 24 inches Wide

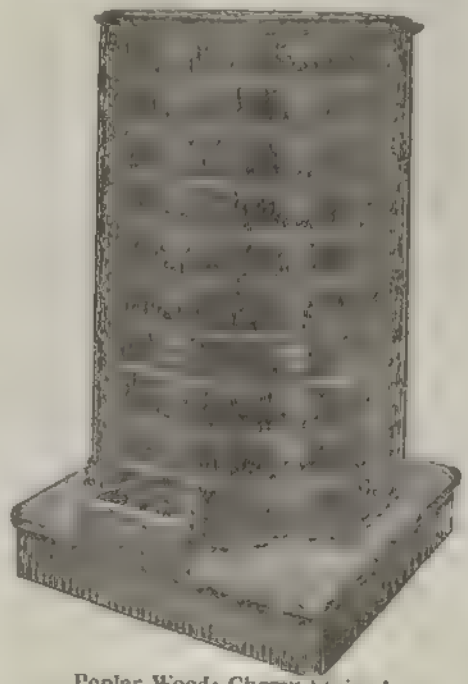
		Each
✣No. 16—With Knobs	$126 40	[illegible]
✣No. 16L—Knobs & Label Holders	133.00	70.00

Weight Each, 140 lbs.



Bins

Scales



Poplar Wood; Cherry Stained

80 Drawers; 51 inches High, 30 inches Wide

		Each
✣No. 18—With Knobs	$167.20	88.00
✣No. 18L—With Knobs and Label Holders	171 00	[illegible]

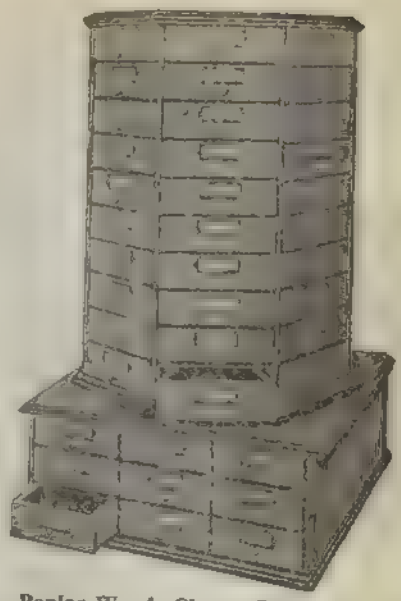
Weight Each, 250 lbs.

Oak Case

With Knobs and Label Holders — Each

✣No. 18LK—80 Drawers; 51 inches High 31 inches Wide	$218 50	115 00

Weight Each, 260 lbs.



Poplar Wood; Cherry Stained

98 Drawers; 60 inches High, 30 inches Wide

		Each
✣No. 20—With Knobs	$193 80	102 00
✣No. 20L—With Knobs and Label Holders	205 20	108.00

Weight Each 380 lbs.

104 Drawers; 65 inches High, 30 inches Wide

		Each
✣No. 22—With Knobs	$210 00	110 50
✣No. 22L—With Knobs and Label Holders	220 40	116.00

Weight Each, 385 lbs.

Oak Case

98 Drawers; 60 inches High, 30 inches Wide

		Each
✣No. 20LK—With Knobs and Label Holders	$266 00	140.00

Weight Each, 385 lbs.

104 Drawers; 65 inches High, 30 inches Wide

		Each
✣No. 22LK—With Knobs and Label Holders	$285 00	150.00

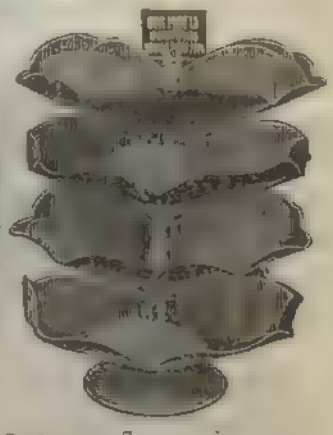
Weight Each, 390 lbs.

SECTIONAL REVOLVING NAIL BINS

All Steel [illegible] Saves Time, Space and Nails

Occupies Less than a Square Foot of Space, Holds from 20 [illegible] Nail Sizes. Many Times More Than on Counter. [illegible] Nails Are Always Fresh. Prevents Loss of Nails. Boards Long Nails Stay Straight. Thrown Back [illegible] Nail Sizes, When Nails Are Low. When the Clerk Has to Walk Some Distance to Use Express Items Many Nails Are Wasted When Left Overnight on the Counter.

Each Section Turns on Finely Adjusted Ball Bearings and Turns Easily Whether Full or Empty. Each Section When Loaded Is Heavy Enough to Prevent Any One Section from Tipping Over. The Upright Steel Rod Is Fastened to Base and Shelf, Perfectly Finished and Hand Rubbed. Scales are Not Included, Unless Ordered Extra. All Sizes, [illegible] in Diameter.



Ordinary Style

		Each
✣No. 13—Three Sections, 15 Bins; Height [illegible] Weight 225 lbs	$136 80	
✣No. 14—Four Sections, [illegible] Weight, 300 lbs.	156 00	
✣No. 15—Five Sections, [illegible] Weight, 375 lbs.	171 85	

Improved Style

		Each
✣No. 23—Three Sections, 15 Bins, Height, 3 ft., Weight, 225 lbs	$156 40	
✣No. 24—Four Sections, 20 Bins; Height, 4½ ft. Weight, 300 lbs.	182 00	
✣No. 25—Five Sections, [illegible] Bins; Height, 6 ft. Weight 375 lbs	205 20	

	Loose Each
✣No. NBS—Scales, with Scoop; Adjusted to Raise or Lower to Any Second by Catch	$24 00

Items Marked ✣ Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory.

Revolving Cases from Dayton, Ohio, Revolving Nail Bins from Wellston, Ohio

CASES AND BINS

Made of Sheet Steel

Each Section is Hung on Finely Adjusted Ball Bearings and Turns Easy Whether Full or Empty; Each Section Works Independently of Every Other Section; the Upright is Steel Tubing; Bins are Annealed Sheet Steel, Perfectly Finished and Hand Riveted.

SCREW CASE
Complete with Label Holders

Made Entirely of Metal Base and Top are Made of Cast Iron; the Girdle is Made of No. 20 Sheet Steel; Each Section Revolves Separately on Machine Bearings and Steel Balls, Being Entirely Enclosed Makes it Dust Proof; Being Made Entirely of Steel Makes it Very Substantial.

It Systematizes the Screw Business and Gives All Sizes and Lengths at a Glance. No Drawers to Pull. No Wood to Shrink or Swell Making a Neat, Substantial Case Which Will Last a Lifetime.

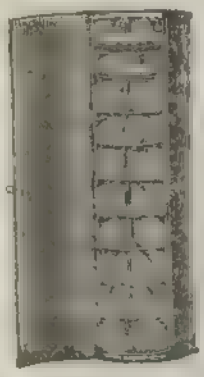
80 Bins — Each

+No. 18S—18 inches in Diameter; 34 inches High; Holds 80 Different Sizes, Weight Each, 150 lbs..... **$116 60**

100 Bins

+No. 20S—18 inches in Diameter, 42 inches High; Holds 100 Different Sizes; Weight Each, 200 lbs.. **129 60**

BOLT CASE FOR SMALL BOLTS
Complete with Label Holders



Made Entirely of Metal Base and Top are Made of Cast Iron, the Girdle is Made of No. 20 Sheet Steel; Each Section Revolves Separately on Machine Bearings and Steel Balls Being Entirely Enclosed Makes it Dust Proof. Being Made Entirely of Steel Makes it Very Substantial.

It Systematizes the Screw Business and Gives All Sizes and Lengths at a Glance. No Drawers to Pull. No Wood to Shrink or Swell Making a Neat, Substantial Case Which Will Last a Lifetime.

70 Bins — Each

+No. 8S—24 inches in Diameter; 30 inches High; Holds 70 Different Sizes; Weight Each, 150 lbs. ... **$129 60**

85 Bins

+No. 9S—24 inches in Diameter; 36 inches High; Holds 85 Different Sizes; Weight Each, 200 lbs..... **144 00**

100 Bins

+No. 10S—24 inches in Diameter; 36 inches High; Holds 100 Different Sizes **158 40**

BOLT CASE FOR LARGE BOLTS
Complete with Label Holder

This Bolt Case is Intended as a Diminutive Nail Bin and is Made in Eight Different Sizes. The Smallest Has 12 Bins and the Largest Has 120 Bins. Each Has a Label Holder. It is Made Roomy and Strong for Its Size. Each Section Has a Separate Spring Latch to Hold It Closed. Each Section Is Entirely Independent of Every Other Section.

Diameter, 30 inches

36 Bins, 3 Sections — Each

+No. 63—Height 1 foot; Wt. 75 lbs **$103 50**

48 Bins, 4 Sections

+No. 64—Height 2 feet; Wt. 150 lbs... **114 20**

60 Bins, 5 Sections

+No. 65—Height 2½ feet; Wt. 200 lbs. **124 55**

72 Bins, 6 Sections

+No. 66—Height 3 feet; Wt. 250 lbs. **134 95**

84 Bins, 7 Sections

+No. 67—Height 3½ feet; Wt. 300 lbs. **145 34**

96 Bins, 8 Sections

+No. 68—Height 4 feet; Wt. 350 lbs. **155 75**

108 Bins, 9 Sections

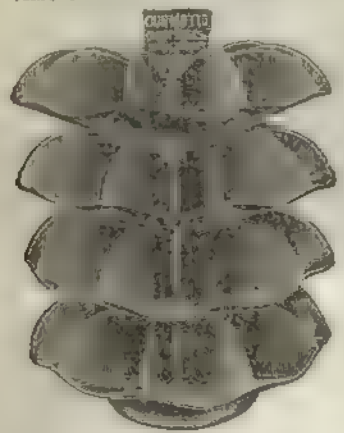
+No. 69—Height 4½ feet, Wt. 400 lbs **166 15**

120 Bins, 10 Sections

+No. 70—Height 5 feet; Wt. 450 lbs... **176 55**

NAIL BINS

For Rivets, Washers, Brads, Tacks and Small Nails
Also Used for Horse Shoes



These Nail Bins are Exactly the Same as Nos. 23, 24 and 25, Except that Each Section is Divided Into Ten Bins.

Diameter, 48 inches

30 Bins, 3 Sections — Each

+No. 30—Height 3 feet; Weight, 250 lbs **$147 20**

40 Bins, 4 Sections

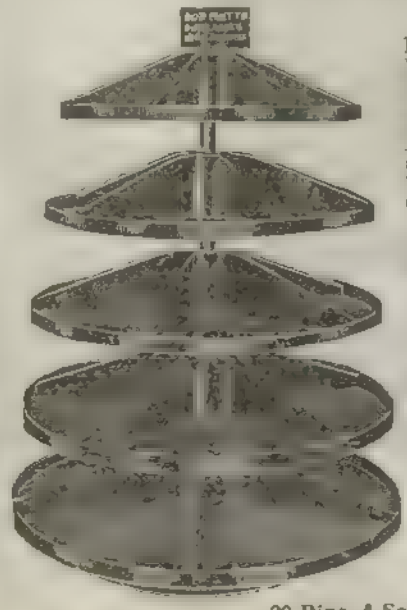
+No. 40—Height 4 feet; Weight, 300 lbs..... **165 10**

50 Bins, 5 Sections

+No. 50—Height 5 feet; Weight, 350 lbs. **192 00**

DISPLAY STANDS

Made of No. 16 Sheet Steel



This Useful Store Fixture is Made to Display Goods. It Does This Effectually; It is Not Large, but Will Hold a Large Amount of Goods and Will Display Goods to Advantage. As Each Section Has to be Loaded Separately, it Will Contain Many Goods, Giving Room to the Ones Which Follow and in This Way By Simply Turning the Different Sections You Can Display Many, but Do Not Have to Use More Any. The Sections Revolve Separately. Each Section Hangs on Finely Adjusted Balls and Turns with the Greatest Ease Whether Full or Empty. Diameter of Sections as Follows: First Section 48 inches; Second Section 42 inches; Third Section 42 inches; Fourth Section 39 inches; Fifth Section 36 inches.

15 Bins, 3 Sections — Each

+No. 33—Height 3 feet; Wt. 150 lbs..... **$82 30**

20 Bins, 4 Sections

+No. 34—Height 4 feet; Weight, 225 lbs **$98 80**

25 Bins, 5 Sections

+No. 35—Height 5 feet; Weight, 300 lbs. **$115 20**

Shipped "Knocked Down;" One in a Crate

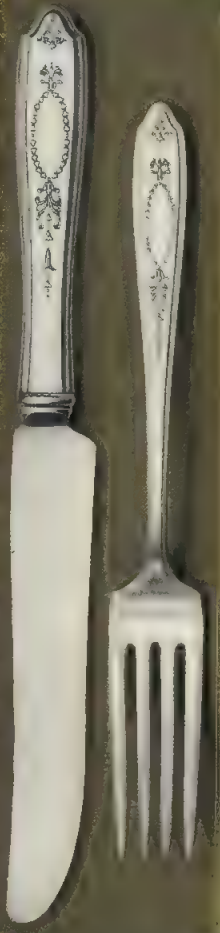
Items Marked + Not Carried in Stock; Can Only Be Furnished by Shipping Direct from Factory, Wellsten, Ohio.

SILVER PLATED ON HIGH GRADE NICKEL SILVER

★ ROGERS & BRO. A-1

TRADE MARK

EVERY PIECE ABSOLUTELY GUARANTEED



THE EMPIRE PATTERN

Platinum Finish

A NEW, beautiful design of the Empire period, graceful in outline with simple attractive decoration

FURNISHED IN COMPLETE LINE	A 1 X 1 Sectional Plate	Triple Nickel Sectional Plate
Tea Spoons, half doz. in unlined box, per doz.	$6 56	$8 32
Dessert Spoons, half doz. in unlined box, per doz.	11 76	14 14
Table Spoons, half doz. in unlined box, per doz.	13 12	16.64
Soup Spoons, round bowl, half doz. in unlined box, per doz.	13 12	16.64
Soup Spoons, half doz. in blue velvet lined box, per doz.	13 74	17 26
5 O'Clock Tea Spoons, half doz. in blue velvet lined box, per doz.	7 18	
Medium Forks, half doz. in unlined box, per doz.	13 12	16.64
Dessert Forks, half doz. in unlined box, per doz.	11 76	14 14

HOLLOW HANDLE Cutlery, *heavily silver plated* Nickel Silver, silver soldered, finely tempered forged steel blades

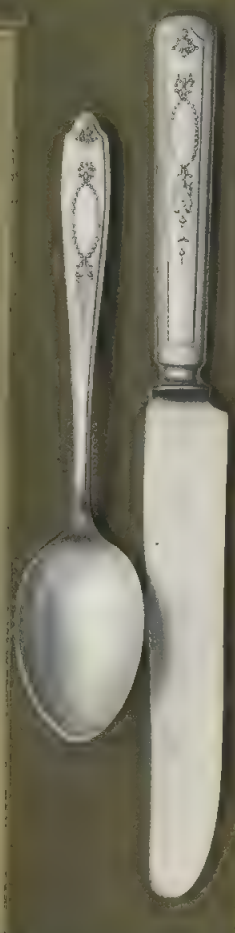
Medium Knives, Scimeter Blades, half doz. in blue velvet lined box, per doz.	$24.76
Medium Knives, French Blades (as illustrated), half doz. in blue velvet lined box, per doz.	24 76
Medium Knives, French Blades, stainless steel, half doz. in blue velvet lined box, per doz.	28.60
Dessert Knives, Scimeter Blades, half doz. in blue velvet lined box, per doz.	24 14
Dessert Knives, French Blades, half doz. in blue velvet lined box, per doz.	24 14
Breakfast Knives, Scimeter Blades, half doz. in blue velvet lined box, per doz.	24 44
Breakfast Knives, French Blades, half doz. in blue velvet lined box, per doz.	24 44
	Per Set
Carving Sets, Three-piece	$18 20
Carving Sets, Three-piece, STAINLESS STEEL BLADES	19 56
Bird Sets, Two-piece	8 54

SOLID HANDLE Steel Knives and Nickel Forks, silver plated

No. 12	Medium Knives or Forks, per doz.	$9.88
No. 12	Medium Knives, French Blades (as illustrated), per doz.	9 88
No. 12	Medium Knives, French Blades, stainless steel, per doz.	17 48
	Medium Knives, Model Handles, French Blades, plated, per doz.	13 32
	Medium Knives, Model Handles, French Blades, stainless steel, per doz.	20 38
No. 12	Dessert Knives or Forks, per doz.	9 68
	Dessert Knives, Model Handles, French Blades, plated, per doz.	13 10
No. 12	Breakfast Knives, Scimeter-Swaged Blades, per doz.	10.00
No. 12	Breakfast Knives, French Blades, plated, per doz.	10 00

Solid Handle Cutlery packed one half dozen in racked box or six each Knives and Forks in box

RB5 1 Illustrations Actual Size



INTERNATIONAL SILVER CO.

SILVER PLATED ON HIGH GRADE NICKEL SILVER

★ ROGERS & BRO. A-1

TRADE MARK

EVERY PIECE ABSOLUTELY GUARANTEED

THE EMPIRE PATTERN

Platinum Finish

Coffee Spoon

Set six in blue velvet lined box, per set, $3.23

Oyster Fork

Set six in blue velvet lined box, per set, $4.37

Orange Spoon

Set six in blue velvet lined box per set, $4.16

Individual Salad Fork

Set six in blue velvet lined box, per set, $6.56

Iced Tea Spoon

One doz. in unlined box, per doz., $9.06

Bouillon Spoon

Set six in blue velvet lined box, per set, $6.24

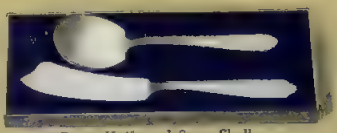
Illustrations One-Half Size

Child's Set, Knife, Fork, Spoon

In blue velvet lined box, per set, $2.78

Berry Spoon

One each in blue velvet lined box, each, $2.78



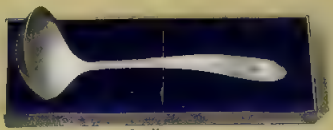
Butter Knife and Sugar Shell

In blue velvet lined box, per set, $2.54

Cold Meat Fork

One each in blue velvet lined box, each, [illegible]

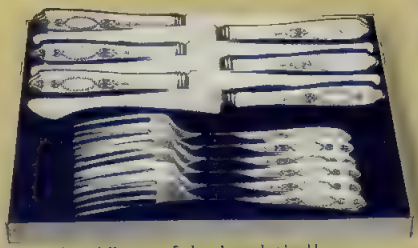
Illustrations One-Third Size



Ladles

One each in blue velvet lined box

Cream each $1.[illegible]
Gravy 2.08
Medium 2.54



Six each Knives and Forks in blue velvet lined box

Set No. 63¾	Medium French or Semi-ster Blades	per set,	$18.04
No. 164¾	Breakfast, " " "		.8.40
No. 169¾	Dessert, " " "		18.0[illegible]

Educator Set

Spoon and Fork in blue velvet lined box, per set, $1.74

RBb-2

INTERNATIONAL SILVER CO.

SILVER PLATED ON HIGH GRADE NICKEL SILVER

★ ROGERS & BRO. A-1

TRADE MARK

EVERY PIECE ABSOLUTELY GUARANTEED

THE EMPIRE PATTERN

Platinum Finish

No. 501. In blue Leatherette Folding Case, twenty-six pieces, consisting Six Tea Spoons, six Table Spoons, six Solid Handle Medium Knives, six Medium Forks, one Butter Knife, one Sugar Shell $12.60

No. 501½. Same as above, but with Hollow Handle Knives 10.06

No. 132½. In Genuine Mahogany Chest, twenty-six pieces, containing Six Tea Spoons, six Table Spoons, six Medium Forks, six Medium Knives, six Pie Knives, one Butter Knife, one Sugar Shell $45.24

No. 132. Same as above, but with Solid Handle Knives to match 37.86

All Combination Sets

Complete with Ware

Furnished also in Grecian pattern at same prices

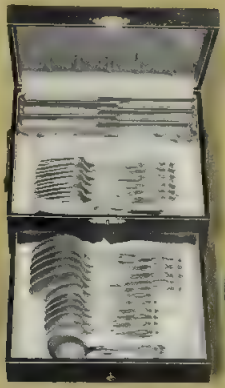
Illustrations One-Fifth Size

No. 300½. In Leatherette Chest, twenty-six pieces, containing Six Tea Spoons, six Table Spoons, six Medium Forks, six Medium Knives, six Pie Knives, one Butter Knife, one Sugar Shell $43.48

No. 300. In Leatherette Chest. Same as above, but with Solid Handle Medium Knives 36.06

No. 301½. In Leatherette Chest, thirty-two pieces, containing Twelve Tea Spoons, six Table Spoons, six Medium Forks, six Medium Knives, six Pie Knives, one Butter Knife, one Sugar Shell 46.80

No. 301. In Leatherette Chest. Same as above, but with Solid Handle Knives 39.30



OAK FINISH

No. 123. In Oak Chest, twenty-six pieces, containing Six Tea Spoons, six Table Spoons, six Solid Handle Medium Knives, six Medium Forks, one Butter Knife, one Sugar Shell $27.54

No. 123½. Same as above, but with Hollow Handle Knives 24.94

No. 500½. In Blue Alligator Leatherette Case with Feet, twenty-six pieces, containing Six Tea Spoons, six Table Spoons, six Medium Forks, six Medium Knives, six Pie Knives, one Butter Knife, one Sugar Shell $41.40

No. 500. Same as above, but with Solid Handle Knives to match 33.98

RB6 3

INTERNATIONAL SILVER CO.

Seneca Cameras

Universally Known for Its HIGH QUALITY and SATISFACTORY RESULTS

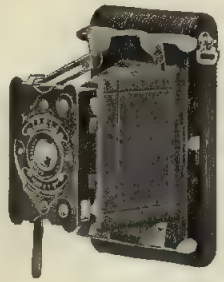
SENECA CAMERAS have become so well known through national advertising and so well liked for their reliable picture taking qualities that the public has come to accept the name **SENECA** on a camera as a guarantee of quality.

For a quarter of a century the manufacturers of **SENECA CAMERAS** have been producing a product "built on honor." If a **SENECA CAMERA** fails in any way to live up to the claims made for it, the Seneca Camera Manufacturing Company stands ready to make good.

SENECA CAMERAS are a quality product. They have a snappy style about them that is distinctively their own. Their superb finish and smart lines will make you proud to be the owner of a **SENECA**. Anyone can take good pictures with a **SENECA**—it's easy.

With every Camera comes a book of instructions that explains clearly the important things to know about making good pictures.

WE DO NOT SHIP CAMERAS ON APPROVAL.



THE SENECA VEST POCKET CAMERA

Takes Any Standard Roll Film

Small size, light weight and reliable picture-taking ability are features that distinguish the Seneca Vest Pocket Camera and make it the proper instrument to select, if you intend touring, hunting or fishing

Although it takes pictures 1⅝x2½ inches, it measures 4⅝ inches from tip to tip and weighs but 8 ounces

It loads easily. The back is removable allowing film to be inserted with ease

To take a picture, it is only necessary to open the protecting door, grasp and pull out the front until it locks in position and the camera is ready for use. The lens is set at universal focus, no estimating of distance is necessary.

The Vest Pocket is well made throughout and covered with genuine leather to withstand rough usage in the pocket

DETAIL DESCRIPTION OF VEST POCKET SENECA

For rectangular pictures 1⅝x2½ in. Capacity, 8 exposures without reloading. Dimensions of camera, 1x2⅝x4⅝ in. Weight, 8 ounces. Focus, fixed, always set. Lens, Meniscus Achromatic, 2½ in. focus Rapid rectilinear 3⅛ in. focus. Anastigmat f.7.5, 3⅛ in. focus or Anastigmat f:6.3, 3⅛ in. focus. Shutter, Deltax or Ilex Marvel (dustproof). Automatic for time, bulb or instantaneous exposures of 1/25, 1/50 and 1/100 part of a second. Bellows, genuine leather. Frame, aluminum. Trimmings, nickel plated fine grain genuine leather covering. View finder, two brilliant.

No. 12/0651 Vest Pocket Seneca with Meniscus Achromatic Lens. Each **$14.56**

No. 14/0651 Vest Pocket Seneca with Rapid Rectilinear Lens. Price each **$15.72**

No. 15/0651 Vest Pocket Seneca with Anastigmat Lens, speed f.7.5 Each **$19.60**

No. 16/0651 Vest Pocket Seneca with Anastigmat Lens, speed f:6.3. Each **$27.50**

SENECA CARRYING CASES

Made of finest grade sole leather. Hand sewed.

No. 2 0651 Vest Pocket **$3.00**

No. 3/0651 For No. 1 Junior **4.50**

The following carrying cases are for Roll Film, Chief and Folding Scout Cameras, and are fitted with shoulder strap

No. 4/0651 For No. 1, 1A and 2A **$6.40**

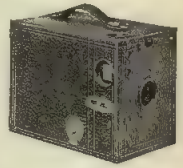
No. 5/0651 For No. 3C **7.16**

No. 6 0651 For No. 3 ..... **6.75**

No. 7 0651 For No. 3A **7.50**

When ordering cases give name and catalog number of camera they are to fit.

SENECA BOY SCOUT CAMERA



The Scout is a real camera that exactly suits the boy or girl and yet appeals to older people as well. These rugged little instruments have such wonderful capabilities and are so simple to operate that perfectly satisfactory pictures can be made just as easily by the children as by the grown-ups. Picture making is easy and certain with the Scout Cameras. There is no distance to judge when making an exposure, as the Meniscus Achromatic Lens is fixed focus and will make a clear sharp picture over the entire film to its extreme margins, and the reliable Scout automatic shutter provides for either instantaneous snaps or time exposures. Loads in daylight with any standard film

No 90 0651 2¼x3¼ picture **$6.20**

No. 91/0651 2½x4¼ picture . **5.85**

No. 92/0651 2⅝x4⅞ picture **7.45**

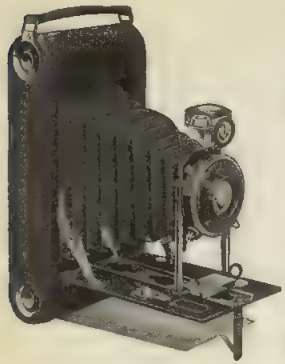
No 93 0651 3¼x4½ picture **7.55**

No. 94/0651 3¼x5½ picture **7.90**

No.	Width	Size of Picture	Sen-X F ilm is, following Cameras	Exp.	Exp.
			Vest Pocket Seneca, Military Vest Pocket, Vest Pocket Kodak	8	
127 Sen-x	1⅝ in	1⅝x2½	No 0 Brownie V P, Kodo No 0 Ansco V P	8 Exp.	
120 Sen-x	2¼ in	B 2¼x3¼	No. 2 Scout, No. 1 Seneca Jr., No. 1 Seneca Sagamore, No. 1 Kodak Jr No 2 Brownie, No. 2 Folding Brownie, No. 2 Hawk Eye No. 2 Folding Cartridge Premo, V. P. Ansco Nos. 1, 1A and 3 No. 2 Buster Brown, No. 1 and No. 2 Folding Buster Brown	.43	
105 Sen-x	2½ in	C 2¼x3¼ 2¼x3½ 3¼x4¼	No. 1 Roll Film Seneca No. 1 Folding Pocket Kodak No. 3 Panoram Kodak	.43	.86
116/ Sen-x	2½ in	2½x4¼	No. 1A Roll Film Seneca, No. 1A Seneca Chief, No. 2A Scout No 2A Folding Scouts, No 1A F. P. Kodak Special, No. 1A F. P. Kodak No. 1A Kodak Jr., No. 2A Brownie, No. 1A Graflex No. 1A Speed Kodak No. 1A Folding, Hawk Eye No. 2A Hawk Eye No. 2A Folding Brownie, No. 2A Folding Cartridge Premo No. 1A Ansco Jr., No. 2A Buster Brown No. 2A Folding Buster Brown	.52	1.04
130/ Sen-x	3⅛ in.	3⅛x4⅝	No. 2C Seneca Chief, No. 3 Folding Scouts No. 2C Scout No. 2C Kodak Junior, No. 2C Folding Brownie	.78	
118/ Sen-x	3¼ in	3¼x4¼ 3¼x4½ 3¼x5½	No. 3 Roll Film Seneca No. 3 F. P. Kodak, No. 3 Folding Weno, No. 3 Focusing Weno No. 3 Special Kodak, No. 3 Folding Buster Brown Nos. 1, 2 and 3 Stereo Hawk Eye, No. 6 Weno No. 3 Folding Hawk Eye, Nos. 3, 4 and 5 Folding Ansco No. 3 Buster Brown, No. 3 Ansco Speedex	.78	1.56
124 Sen-x	3¼ in	B3¼x4¼	No. 3 Scout, No. 3 Folding Scouts No. 3 Brownie, No. 3 Folding Brownie, No. 3 Bullis Jr.	.78	1.56
123/ Sen-x	3¼ in	A 3¼x5½	No. 3A Roll Film Seneca, No. 3A Folding Scouts, No. 3A F. P. Kodak No. 3A F. P. Kodak Special, No. 3A Graflex No. 3A Folding Brownie, No. 7 Weno No. 3A Folding Hawk Eye, No. 6 Ansco, No. 10 Ansco No. 3A Folding Buster Brown, No. 3A Ansco Jr. No. 3A Folding Ansco, No. 3A Buster Brown, No. 3A Ansco Speedex	.95	1.56 10 Exp.

All Prices Include War Tax

The Seneca Is a Camera of Quality



SENECA ROLL FILM CAMERA

These models hold the distinction of being universally popular. The 3A has the exact dimensions of a postcard size picture—its proportions are pleasing for portraits vertically, and for landscapes, groups and street scenes horizontally. They are so simple to operate that the beginner can make exposures with confidence and ease; so complete are the equipments that the advanced amateur will find every adjustment necessary. The selection of lenses, which determine after all, the quality of the picture, has been made with a careful regard for "snappy," clear cut results. All the shutters are dustproof and automatic, i. e., always set ready for use, and have the convenient push cord release. Cameras are made of aluminum with reinforced wood sides. Substantial nickel plated trimmings, fine and a covering of genuine seal grain leather complete the body of attractive serviceable cameras.

Roll Film Seneca with Meniscus Achromatic Lens and Deltax or Ilex Marvel Shutter—

No. 31 0652	Roll Film Seneca.	Size, 2½x4¼	inches.	Each	$27.40
No. 40 0652	Roll Film Seneca.	Size, 3¼x4¼	inches.	Each	27.40
No. 41/0652	Roll Film Seneca.	Size, 3¼x6½	inches.	Each	35.64

Roll Film Seneca with Rapid Symmetrical Lens speed f 8, and Deltax or Ilex Marvel Shutter—

No. 33 0652	Roll Film Seneca.	Size, 2½x4¼	inches.	Each	$30.60
No. 43 0652	Roll Film Seneca.	Size, 3¼x4¼	inches.	Each	30.60
No. 43/0652	Roll Film Seneca.	Size, 3¼x5½	inches.	Each	38.62

Roll Film Seneca with Rapid Symmetrical Lens, speed f 8, and Betax Shutter—

No. 35 0652	Roll Film Seneca.	Size, 2½x4¼	inch.	Each	$34.00
No. 44/0652	Roll Film Seneca.	Size, 3¼x4¼	inches.	Each	34.00
No. 45/0652	Roll Film Seneca.	Size, 3¼x5½	inches.	Each	42.00

Roll Film Seneca with Anastigmat Lens, speed f 7.5, and Gammax Shutter—

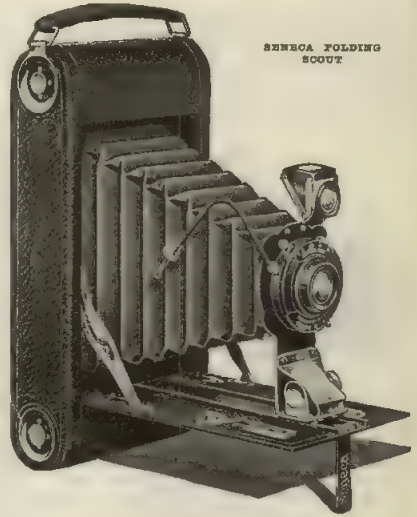
No. 51/0652	Roll Film Seneca.	Size, 2½x4¼	inches.	Each	$40.50
No. 52. 0652	Roll Film Seneca.	Size, 3¼x4¼	inches.	Each	40.50
No. 53/0652	Roll Film Seneca.	Size, 3¼x5½	inches.	Each	46.16

Roll Film Seneca with Anastigmat Lens speed f 7.5 and Betax Shutter—

No. 55/0652	Seneca Roll Film.	Size, 2½x4¼	inches.	Each	$43.60
No. 56 0652	Seneca Roll Film.	Size, 3¼x4¼	inches.	Each	43.60
No. 57 0652	Seneca Roll Film.	Size, 3¼x5½	inches.	Each	48.60
No. 63 0652	3A x Three Seneca.	Size, 2½x4¼	inches.	B. & L. Tessar, f 6.3	101.00

THE SENECA FOLDING SCOUT

Takes Any Standard Make Roll Film



SENECA FOLDING SCOUT

Here is a capable, trim-looking instrument that is easy to load, simple to use and light to carry. It is made in five popular sizes. You can select your favorite.

Probably the biggest feature of the Folding Scout is the extraordinary value that it offers for the money. It is a complete photographic instrument in every respect, efficient, desirable, yet it sells for a price that is reasonable in the extreme.

The body is made of aluminum and seasoned wood throughout. The covering of durable seal grain leatheret assures a long lifetime of wear and service.

Either the Meniscus Achromatic or Rapid Rectilinear Lenses may be had. Under ordinary conditions, when the light is good, the Meniscus Achromatic equipment gives very satisfactory results. With the Rapid Rectilinear Lens a greater range of subjects may be taken and the negatives will stand enlargements.

The Folding Scout is handsomely finished throughout. All metal fittings are in nickel or black enamel.

Details. Size of Camera—No. 101, 2x3¼x5½; No. 102, 2x4¼x5¼; No. 104, 2x4¼x5¾. Capacity without reloading—No. 101, 12 exposures; No. 102, 10 exposures; No. 104, 10 exposures. Lenses—Focus. Meniscus Achromatic—No. 101, 4¾ in.; No. 102, 5¼ in.; No. 104, 7¾ in. Rapid Rectilinear—No. 105, 6¼ in.; No. 106, 5¾ in.; No. 108, 6½ in. Shutter—Deltax or Ilex Marvel Automatic for time, bulb or instantaneous exposures of 1/25, 1/50 and 1/100 second. Bellows—Improved waterproof. Tripod Sockets—Two. Film Chambers—Improved with spool pins. View Finder—Brilliant, collapsible, reversible. Body—Aluminum with reinforced wood sides, covered with black waterproof leatheret, seal grain. Manual of Photography and Instruction Book.

No. 101 0652	Folding Scout with Meniscus Achromatic Lens and Deltax or Ilex Marvel Automatic Shutter.	Size, 2½x4¼ in.	$21.00
No. 102 0652	Same as 101/0652	Size, 2¾x4¾ in.	24.40
No. 104 0652	Same as 101/0652	Size, 3¼x5½ in.	28.40
No. 105/0652	Folding Scout with Rapid Rectilinear Lens and Deltax or Ilex Marvel Automatic Shutter	Size, 2½x4¼ in.	$24.20
No. 106, 0652	Same as 105,0652,	Size, 2¾x4¾ in.	28.00
No. 108/0652	Same as 105/0652	Size, 3¼x5½ in.	31.50

THE SEVEN-FIVE FOLDING SCOUT

Takes Any Standard Make Film Cartridge

The Seven-Five Folding Scout is the Folding Scout covered with genuine seal grain leather and fitted with a genuine f:7.5 Anastigmat Lens.

Anastigmat Lenses are fully corrected for every optical error and work at much greater speed than ordinary lenses giving brilliant, snappy negatives that will stand enlargement to practically any size.

Four sizes are offered in this model, representing an excellent value to the enthusiastic photographer who wants something better than the ordinary run of cameras.

No. 110/0652	Seven Five Speedster Scout with f 7.5 Anastigmat Lens and Gammax or Ilex Marvel Shutter.	Size, 2½x4¼ in.		$35.50
No. 111/0652	Same as above.	Size, 2¾x4¾ in.		38.14
No. 112 0652	Same as above	Size, 3¼x4¼ in		37.00
No. 113/0652	Same as above	Size, 3¼x5½ in		40.50

Details. Size of Camera—No. 110, 2x3¼x8¾; No. 111, 2x4¼x8¼; No. 113, 2x4½x8¼; No. 113, 2x4¾x8¾. Lens—Focus, f:7.5 Anastigmat—No. 110, 5½ in.; No. 111, 6¼ in. No. 112, 5½ in.; No. 113, 6¾ in. Shutters—Gammax Automatic or Ilex Marvel with fractional speeds from time to 1/100 second; Betax or Ilex General with fractional speeds from time to 1/100 second. Bellows Improved waterproof. Tripod Sockets—Two. Film Chambers—Improved with spool pins. View Finder—Brilliant, collapsible, reversible. Body—Aluminum with reinforced wood sides, covered with leather. Manual of Photography and Instruction Book.

No. 114 0652	Same as 110/0652, with Betax or Ilex General Shutter.	Size, 2½x4¼ in.	$37.00
No. 115/0652	Same.	Size, 2¾x4¾ in.	37 90
No. 116/0652	Same,	Size, 3¼x4¼ in	38 60
No. 117/0652	Same.	Size, 3¼x5½ in	43.90

"SENECA"—The Camera of Satisfaction and Quality

SENECA SAGAMORE CAMERA

Takes any standard make film cartridge.

A small, light, compact instrument Measures just 6½ in from tip to tip, and weighs less than 20 oz. It takes pictures 2¼x2¼ in—a size that has the double advantage of being well proportioned itself and just right for enlarging. The Sagamore body is formed from seamless solid aluminum covered with the finest grade of Morocco leather The all-metal body gives strength without weight, the Morocco leather covering, beauty without sacrificing durability. The special back the one-piece metal front and the self-leveling radius finder are three exclusive features of the Sagamore Camera. The Sagamore back can be put on or taken off the camera in less than one second This enables you to load the camera in one quarter of the time usually taken for this operation. This is extremely important when taking pictures of sports or races when every second counts. The one-piece metal front insures absolute alignment of the lens with the film. This is absolutely necessary in order to have the pictures sharply focused. The self leveling radius finder visualizes the picture exactly as it will finally appear. When the subject is shown level in the finder, you can be certain that it will appear exactly the same in the finished picture. The greatest advantage of the Anastigmat lens is its ability to give a fully-timed negative with a short exposure. These lenses are fully corrected for all optical errors, are able to render minute detail even to the edge of the picture, and because of their great speed are admirably fitted for speed and indoor photography. The amateur who has been using a camera with the rapid rectilinear or a single lens will welcome the f 7.5 Anastigmat, for with it makes it possible to secure anastigmat pin point definition in his pictures at a reasonable price. The f 6.3 and f 4.5 Special Anastigmat and Bausch & Lomb Tessar Lenses are remarkable for the definition obtained at the full aperture of the lenses. The f.4.5 lens has twice the speed of the f 6.3 Anastigmat, which is 60% faster than the average lens. These lenses are unequalled for the most difficult speed photographs, for home portraiture, groups, landscapes and other applications of the art. The Betax is an automatic shutter having speeds of 1, 1/2, 1/5, 1/10, 1/25, 1/50 and 1/100 part of a second besides time and bulb exposures The Ilex General Shutter is also automatic and has fractional speeds of 1/10, 1/25, 1/50, 1/100 and 1/200 second and time and bulb exposures. Either the Auto or the Ilex General Shutter is furnished with the f 7.5 equipment. The Optimo has speeds of 1/2, 1/5, 1/10, 1/25, 1/50, 1/100 and 1/200 part of a second besides time and bulb exposures. This shutter is used with f 6.3 and f 4.5 lenses for speed work The Ilex Acme Shutter has speeds of 1, 1/2, 1/5, 1/10, 1/25, 1/50, 1/100 and 1/200 part of a second besides the usual time and bulb exposures. This shutter is also admirably adapted for speed work with the fast f:6.3 and f:4.5 lenses. The Sagamore is a camera that will appeal strongly to the best possible in a convenient sized speed camera. Because it is made of the best materials obtainable, it will withstand rough usage and can be carried in the pocket. The Seneca Sagamore, the latest addition to the Seneca Tribe, will up-hold our reputation for reliability which has been built up by making only the best cameras for over a quarter of a century.

Details: For pictures 2¼x3¼ in. Capacity—Six exposures. Dimension of camera—6½x3x1¾ in. Weight—20 oz. Camera body—Solid aluminum, leather covered in Morocco grain. Front—Rising and falling, new style. View finder—Self-leveling, brilliant, collapsible, reversible and numbered to sun scale. Tripod sockets—Two. Film chamber—Hinged, removable with spool pins. Bellows—Genuine Russian leather Shutter—Betax or Ilex General Optimo or Ilex Acme Lens—Special Anastigmat f 7.5, f 6.3 or f 4.5 or Bausch & Lomb Tessar, ser. IIb, f:6.3and ser. Ic, f:4.5. Focus of lends—3¼ in. Instruction book containing full directions for operating with every camera

No. 120/0653	Anastigmat, f:7.5 and Betax or Ilex General Shutter	$ 42.48
No. 122/0653	Anastigmat, f:6.3 and Optimo or Ilex Acme Shutter	56.40
No. 124/0653	Anastigmat, f:4.5 and Optimo or Ilex Acme Shutter	83.20
No. 126/0653	Bausch & Lomb IIb Tessar f:6.3 and Optimo or Ilex Acme Shutter	99.80
No. 128/0653	Bausch & Lomb Tessar f:4.5 and Optimo or Ilex Acme Shutter	104.00

THE NO. 2 SAGAMORE

Takes Any Standard Film Cartridge

This splendid little Camera takes sharp clear pictures 2¼x3¼ in.—an excellent size in itself and ideal for enlarging. Small, light and compact, the No. 2 Sagamore will give absolute satisfaction because its picture taking abilities are extraordinary, due to careful selection of lenses and shutters and expert adjustment of these important camera parts. Either of three lens equipments is given—Meniscus Achromatic, Rapid Rectilinear and f 7.5 Anastigmat The shutters furnished are admirably adapted to the possibilities of the lens and are accurate and dependable.

Details: Size of picture—2¼x3¼ in. Size of camera—6¼x3x1¾ in. Capacity without reloading—Six exposures. Weight—Twenty ounces. Lenses—Single Achromatic, Rapid Rectilinear or f 7.5 Anastigmat Shutters—Deltax or Ilex Marvel, speeds of 1/25, 1/50 and 1/100 second, time and bulb exposures, Gammax or Marvel, Betax or Ilex General. Body—Solid aluminum covered with seal grain leatheret. Front—One-piece solid front. View Finder—Brilliant, collapsible. Tripod Sockets—Two Film Chambers—Hinged, removable with spool pins Bellows—Improved, water-proof.

No 120/0653	No. 2 Seneca Sagamore with Single Achromatic Lens and Trio or Ilex Marvel Shutter	$19.20
No. 121/0653	No. 2 Seneca Sagamore with Rapid Rectilinear Lens and Trio or Ilex Marvel Shutter	$22.10

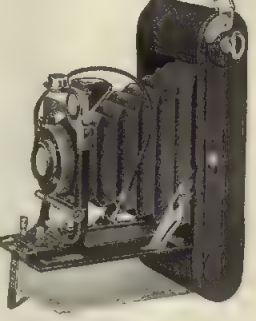
SENECA METAL TRIPOD

Seneca Metal Tripods are made of heavy gauge seamless brass tubing. The lower legs, which telescope, are finished in polished brass—the upper in black enamel. Three sizes are furnished—No 1A503, having three sections, No. 1A509, having four sections, and No. 1A510, having five These Tripods are invaluable for taking time exposures, portrait work and for flashlight photography They are light in weight, compact and extremely rigid.

	Sections	Closed	Extended	Weight	Price
No 300/0653	3	17 inches	43 inches	16 ounces	$3.50
No 400 0653	4	15 inches	50 inches	20 ounces	4.50
No 500 0653	5	16 inches	55 inches	24 ounces	5.00

SENECA CHIEF CAMERA

Every One Is Fully Guaranteed



For any standard make of film cartridge

The demand for a thin model camera has fostered the Seneca Chief. A camera of this kind makes a strong appeal to the picture lover Its lightness and compactness allows it to be carried easily in the pocket. In character and finish it is striking and elegant. And, speaking of ability and service, there is no photographic condition any camera could meet that it will not meet more effectively. Seneca skill and ingenuity have created it and placed it at the disposal of the public It is the result of ideas calculated to vastly improve the construction and performance of cameras. It shows how high ideals of scientific experiment and progressive development have been rigidly maintained

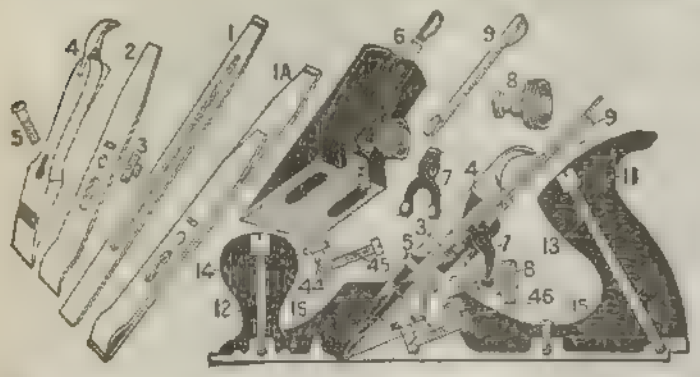
Details: No 1A for rectangular pictures 2½x4¼ in., No 2C, 2¾x4¾ Capacity, No. 1A, 12 exposures, No. 2C, 10 exposures without reloading. Weight, No 1A, 24 oz., No. 2C, 26 oz. Dimensions of camera, No. 1A, 3⅝x8¾x1⅜, No. 2C, 4⅛x8⅞x1⅝, Camera, aluminum, genuine leather covered. Front, rising and falling operated by rack and pinion, also lateral slide. Bellows, genuine Russia leather. Film chambers, hinged, removable with spool rims. Tripod sockets, two. View finder, brilliant, collapsible, cleanable, with sprirt level attached. Lens, Rapid Symmetrical, speed f.8; No 1A, 5¼ in. focus. No. 2C, 6¾ in. focus. Wollensak Anastigmat, speed f:7.8, No. 1A, 5¼ in focus, No. 2C, 6¾ in. focus Wollensak Anastigmat, speed f.6.3, No. 1A, 5½ in. focus; No. 2C, 6¾ in. focus. Shutter, Victo, Autic Automatic (dustproof) or Optimo Automatic Extra Speed (dustproof). Manual of Photography and Instruction Book

PRICES

No. 73/0653	Seneca Chief with Rap. Sym Lens, f.8, Gammax Shutter, Size, 2¾x4¼ in Each	$39.80
No. 80/0653	Same as 76/0653, Size, 2¾x4¾ in. Each.	41.20
No. 71/0653	Seneca Chief with Rap. Sym Lens, f 8, Betax Shutter. Size, 2¼x4¼ in. Each	$42.80
No. 81/0653	Same as 71/0653, Size, 2¾x4¾ in. Each	44.40
No. 72 0653	Seneca Chief with Anastigmat Lens, f:7.5, Betax Shutter Size, 2¼x4¼ in Each	$49.20
No. 82/0653	Same as 73/0653, Size, 2¾x4¾ in. Each..	51.00
No. 73./0653	Seneca Chief with Anastigmat Lens, f 7.5 and Gammax Shutter. Size, 2¼x4¼ in Each.	$52.50
No. 83/0653	Same as 73/0653. Size, 2¾x4¾ in Each	54.00
No. 74./0653	Seneca Chief with Anastigmat Lens, f.6.3, and Optimo extra speed. Size, 2¾x4¼ in. Each	78.80
No. 84./0653	Same as 74/0653. Size, 2¾x4¾ in. Each.	87.00

PLANE PARTS

When Ordering, Always Give Kind and Number of Plane for Which Part is Wanted, as Well as the Figure Number of the Part Wanted
Ten Cents will be the Minimum Charge for Any Part Sent by Mail.



FOR STANLEY BED ROCK PLANES

DOUBLE PLANE IRON (1A)

For Planes	602	602C	603	603C	604	604C
Each	$0 85	85	90		95	95
	1 35	1.35	1 45	1 45	1 50	1 50

For Planes	604½	604½C	605	605C	605½	605½C
Each	$1.20	1.20	.95	.95	1.10	1 10
	2.00	2.00	1.50	1.50	1.75	1.75

For Planes	606	606C	607	607C	608	608C
Each	$1.20	1.20	1.20	1.20	1.30	1.30
	2.00	2.00	2 00	2.00	2 10	2.10

SINGLE PLANE IRON (1)

For Planes	602	602C	603	603C	604	604C
Each	$0 50	.60	.55	.55	.60	.60
	.80	.80	.80	.80	.95	.95

For Planes	604½	604½C	605	605C	605½	605½C
Each	$0.75	.75	.60	.60	.70	.70
	1.20	1.20	.95	.95	1.10	1.10

For Planes	606	606C	607	607C	608	608C
Each	$0 75	.75	.75	.75	.80	.80
	1 20	1.20	1.20	1.20	1.30	1.30

PLANE IRON CAP (2)

For Planes	✣602	✣602C	✣603	✣603C	604	604C
Each	$0 35	.35	.35	.35	.35	.35
	.55	.55	55	.55	55	55

For Planes	✣604½	✣604½C	✣605	✣605C	✣605½	✣605½C
Each	$0 45	.45	.35	.35	.40	.40
	.70	.70	.55	.55	.65	.65

For Planes	✣606	✣606C	✣607	✣607C	✣608	✣608C
Each	$0.45	.45	.45	.45	.50	.50
	.70	.70	.70	.70	.80	.80

CAP SCREW (3)

For Planes	✣602	✣602C	✣603	✣603C	604	604C
Each	$0 10	.10	.10	.10	.10	.10
	15	.15	.15	.15	.15	.15

For Planes	✣604½	✣604½C	✣605	✣605C	✣605½	✣605½C
Each	$0 10	10	3	10	.10	.10
	15	15	.15	15	.15	.15

For Planes	✣606	✣606C	✣607	✣607C	✣608	✣608C
Each	$ 10	0	0	1	.10	.10
	.15	15	15	15	15	.15

FOR STANLEY BED ROCK PLANES

LEVER CAP (4)

For Planes	✣602	✣602C	✣603	✣603C	604	604C
Each	$0 60	60	60	.60	.60	.60
	.95	.95	.95	.95	.95	.95

For Planes	✣604½	✣604½C	✣605	✣605C	✣605½	✣605½C
Each	$0.60	.60	.60	.60	.60	.60
	.95	.95	.95	.95	.95	.95

For Planes	✣606	✣606C	✣607	✣607C	✣608	✣608C
Each	$0 60	.60	.60	.60	.60	.60
	95	.95	.95	.95	.95	.95

LEVER CAP SCREW (5)

For Planes	✣602	✣602C	✣603	✣603C	604	604C
Each	$0 10	.10	.10	.10	.10	.10
	.15	.15	.15	.15	.15	.15

For Planes	✣604½	✣604½C	✣605	✣605C	✣605½	✣605½C
Each	$0 10	.10	.10	.10	.10	.10
	.15	.15	.15	.15	.15	.15

For Planes	✣606	✣606C	✣607	✣607C	✣608	✣608C
Each	$0 10	.10	.10	.10	.10	.10
	.15	.15	.15	.15	.15	.15

FROG COMPLETE (6)

For Planes	✣602	✣602C	✣603	✣603C	604	604C
Each	$ 00	1 00	1 00	1 00	1 00	1 00
	1 60	1 60	1 60	1 60	1 60	1 60

For Planes	✣604½	✣604½C	✣605	✣605C	✣605½	✣605½C
Each	$1 00	1 00	1 00	1 00	1 00	1 00
	1 60	1 60	1 60	1 60	1 60	1 60

For Planes	✣606	✣606C	✣607	✣607C	✣608	✣608C
Each	$1 00	1 00	1 00	1 00	1 00	1 00
	1 60	1 60	1 60	1 60	1 60	1 60

Y ADJUSTING LEVER (7)

For Planes	✣602	✣602C	✣603	✣603C	✣604	604C
Each	$0 10	10	10	10	.10	.11
	15	15	.15	15	.15	15

For Planes	✣604½	✣604½C	✣605	✣605C	✣605½	✣605½C
Each	$0 10	.10	.10	.10	.10	.10
	.15	.15	.15	.15	.15	.15

For Planes	✣606	✣606C	✣607	✣607C	✣608	✣608C
Each	$0 10	.10	.10	.10	.10	.10
	.15	.15	.15	.15	.15	.15

ADJUSTING NUT (8)

For Planes	✣602	✣602C	✣603	✣603C	604	604C
Each	$0 20	.20	.20	.20	.20	.20
	.30	.30	.30	.30	.30	.30

For Planes	✣604½	✣604½C	✣605	✣605C	✣605½	✣605½C
Each	$0.20	.20	.20	.20	.20	.20
	.30	.30	.30	.30	.30	.30

For Planes	✣606	✣606C	✣607	✣607C	✣606	✣608C
Each	$0 20	.20	.20	20	20	30
	.30	.30	.30	.30	.30	30

(Continued on Page 133)

Items Marked ✣ Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory, New Britain, Conn.

PLANE PARTS

When Ordering, Always Give Kind and Number of Plane for Which Part is Wanted, as Well as the Figure Number of the Part Wanted. Ten Cents will be the Minimum Charge for Any Part Sent by Mail.

FOR STANLEY BED ROCK PLANES

(Continued from Page 132)

LATERAL ADJUSTING LEVER (9)

For Planes	†603	†603C	604	604C
Each	$0.20	.20	.20	.20
	.30	.30	.30	.30

For Planes	†604½	†604½C	†605	†605C	†605½	†605½C
Each	$0.20	.20	.20	.20	.20	.20
	.30	.30	.30	.30	.30	.30

For Planes	†606	†606C	†607	†607C	†608	†608C
Each	$0.20	.20	.20	.20	.20	.20
	.30	.30	.30	.30	.30	.30

PLANE HANDLE (11)

For Planes	†602	†602C	†603	†603C	604	604C
Each	$0.40	.40	.40	.40	.40	.40
	.65	.65	.65	.65	.65	.65

For Planes	†604½	†604½C	†605	†605C	†605½	†605½C
Each	$0.40	.40	.40	.40	.40	.40
	.65	.65	.65	.65	.65	.65

For Planes	†606	†606C	†607	†607C	†608	†608C
Each	$0.40	.40	.40	.40	.40	.40
	.65	.65	.65	.65	.65	.65

PLANE KNOB (12)

For Planes	†602	†602C	†603	†603C	604	604C
Each	$0.30	.30	.30	.30	.30	.30
	.50	.50	.50	.50	.50	.50

For Planes	†604½	†604½C	†605	†605C	†605½	†605½C
Each	$0.30	.30	.30	.30	.30	.30
	.50	.50	.50	.50	.50	.50

For Planes	†606	†606C	†607	†607C	†608	†608C
Each	$0.30	.30	.30	.30	.30	.30
	.50	.50	.50	.50	.50	.50

HANDLE BOLT AND NUT (13)

For Planes	†602	†602C	†603	†603C	604	604C
Each	$0.20	.20	.20	.20	.20	.20
	.30	.30	.30	.30	.30	.30

For Planes	†604½	†604½C	†605	†605C	†605½	†605½C
Each	$0.20	.20	.20	.20	.20	.20
	.30	.30	.30	.30	.30	.30

For Planes	†606	†606C	†607	†607C	†608	†608C
Each	$0.20	.20	.20	.20	.20	.20
	.30	.30	.30	.30	.30	.30

KNOB, BOLT AND NUT (14)

For Planes	†602	†602C	†603	†603C	†604	†604C
Each	$0.20	.20	.20	.20	.20	.20
	.30	.30	.30	.30	.30	.30

For Planes	†604½	†604½C	†605	†605C	†605½	†605½C
Each	$0.20	.20	.20	.20	.20	.20
	.30	.30	.30	.30	.30	.30

For Planes	†606	†606C	†607	†607C	†608	†608C
Each	$0.20	.20	.20	.20	.20	.20
	.30	.30	.30	.30	.30	.30

FOR STANLEY BED ROCK PLANES

PLANE HANDLE SCREW (15)

For Planes	†604½	†604½C	†605	†605C	†605½	†605½C
Each	$0.10	.10	.10	.10	.10	.10
	.15	.15	.15	.15	.15	.15

For Planes	†606	†606C	†607	†607C	†608	†608C
Each	$0.10	.10	.10	.10	.10	.10
	.15	.15	.15	.15	.15	.15

PLANE BOTTOM (16)

For Plane	†602	†602C	†603	†603C	†604	†604C
Each	$2.20	2.45	2.50	2.75	2.50	2.75
	3.60	3.90	4.00	4.40	4.00	4.40

For Planes	†604½	†604½C	†605	†605C	†605½	†605½C
Each	$3.00	3.30	3.00	3.30	3.20	3.55
	[illegible]	5.30	4.80	5.80	5.30	5.70

For Plane	†606	†606C	†607	†607C	†608	†608C
Each	$4.30	4.85	6.20	6.85	7.00	7.70
	7.10	7.80	10.00	11.00	11.20	12.40

FROG PIN (44)

For Planes	†602	†602C	†603	†603C	†604	†604C
Each	$0.20	.20	.20	.20	.20	.20
	.30	.30	.30	.30	.30	.30

For Planes	†604½	†604½C	†605	†605C	†605½	†605½C
Each	$0.20	.20	.20	.20	.20	.20
	.30	.30	.30	.30	.30	.30

For Planes	†606	†606C	†607	†607C	†608	†608C
Each	$0.20	.20	.20	.20	.20	.20
	.30	.30	.30	.30	.30	.30

FROG CLAMPING SCREW (45)

For Planes	†602	†602C	†603	†603C	†604	†604C
Each	$0.10	.10	.10	.10	.10	.10
	.15	.15	.15	.15	.15	.15

For Planes	†604½	†604½C	†605	†605C	†605½	†605½C
Each	$0.10	.10	.10	.10	.10	.10
	.15	.15	.15	.15	.15	.15

For Planes	†606	606C	†607	†607C	†608	†608C
Each	$0.10	.10	.10	.10	.10	.10
	.15	.15	.15	.15	.15	15

FROG ADJUSTING SCREW (46)

For Planes	†602	†602C	†603	†603C	†604	†604C
Each	$0.10	.10	.10	.10	.10	.10
	.15	.15	.15	.15	.15	.15

For Planes	†604½	†604½C	†605	†605C	†605½	†605½C
Each	$0.10	.10	.10	.10	.10	.10
	.15	.15	.15	.15	.15	.15

For Planes	†606	†606C	†607	†607C	†608	†608C
Each	$0.10	.10	.10	.10	.10	.10
	.15	.15	.15	.15	.15	.15

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PLANE PARTS

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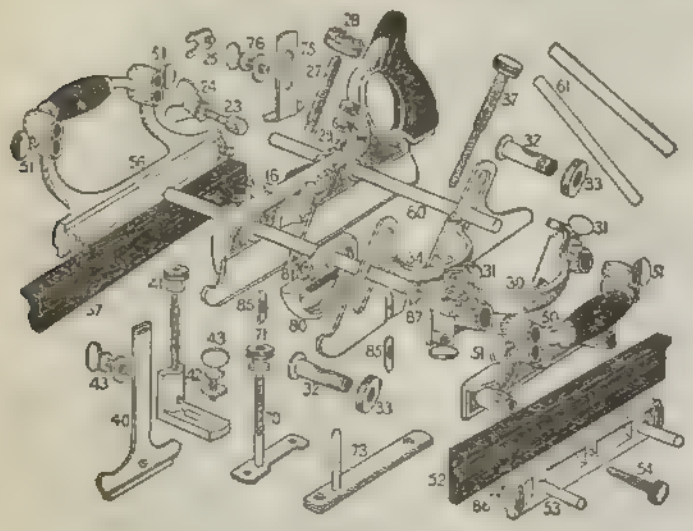


FOR STANLEY COMBINATION PLANES

CUTTERS (1)

For Planes	†45	†46	†47	†50
Per Set	$7.00	4.00	2.50	3.50
	11.20	6.40	4.00	5.60

For Planes	†55	†143	†444
Per Set	$12.00	4.00	2.50
	19.20	6.40	4.00

MAIN STOCK OR BOTTOM (16)

For Planes	†45	†46	†47	†50
Each	$5.00	5.00	5.00	2.50
	8.00	8.00	8.00	4.00

For Planes	†55	†143	†444
Each	$6.00	6.00	5.00
	9.60	9.60	8.00

CUTTER BOLT (23)

For Planes	†45	†46	†47	†50	†55
Each	$0.30	.30	.30	.30	.30
	.50	.50	.50	.50	.50

CUTTER BOLT WING NUT (24)

For Planes	†45	†46	†47	†50	†55
Each	$0.30	.30	.30	.30	.30
	.50	.50	.50	.50	.50

CUTTER BOLT CLIP AND SCREW (25)

For Planes	†45	†46	†47	†50
Each	$0.10	.10	.10	.10
	.15	.15	.15	.15

CUTTER BOLT ADJUSTING SCREW (27)

For Planes	†45	†55
Each	$0.20	.20
	.30	.30

CUTTER BOLT ADJUSTING WHEEL (28)

For Planes	†45	†55
Each	$0.20	.20
	.30	.30

SLIDING SECTION (30)

For Planes	†45	†46	†47	†50	†55
Each	$3.00	3.00	3.00	.60	1.00
	4.80	4.80	4.80	.95	2.40

THIMBLE (32)

For Planes	†55
Each	$0.30
	.50

THIMBLE CHECK NUT (33)

For Planes	†55
Each	$0.30
	.50

ADJUSTABLE BOTTOM (34)

For Planes	†55
Each	$2.50
	4.00

FOR STANLEY COMBINATION PLANES

ADJUSTABLE BOTTOM SCREW (37)

For Planes	†55
Each	$0.40
	.65

AUXILIARY CENTER BOTTOM (40)

For Planes	†55
Each	$0.60
	.95

ANGLE IRON AND ADJUSTING SCREWS (4)

For Planes	†55
Each	$0.60
	.95

LEFT FENCE (50)

For Planes	†45	†46	†50	†55	†143	†444
Each	$1.50	1.50	1.50	2.70	2.00	2.00
	2.40	2.40	2.40	4.40	3.20	3.20

TILTING GUARD PLATE (WOOD (52)

For Planes	†55
Each	$0.40
	.65

TILTING IRON, WITH SWIVEL (53)

For Planes	†55
Each	$0.80
	1.30

LEFT FENCE ADJUSTING SCREW (54)

For Planes	†55
Each	$0.40
	.65

RIGHT FENCE (56)

For Planes	†55	†444
Each	$2.00	2.50
	3.20	4.00

RIGHT FENCE TILTING PLATE (57)

For Planes	†55
Each	$0.40
	.65

LONG ARMS (60)

For Planes	†45	†46	†47	†50
Per Pair	$1.00	1.00	1.00	1.00
	1.60	1.60	1.60	1.60

For Planes	†55	†143
Per Pair	$1.00	1.00
	1.60	1.60

SHORT ARMS (61)

For Planes	†45	†46	†47	†55	†444
Per Pair	$0.50	.50	.50	.50	.50
	.80	.80	.80	.80	.80

ADJUSTABLE DEPTH GAUGE (70)

For Planes	†45	†46	†47	†50
Each	$0.40	.40	.40	.40
	.65	.65	.65	.65

For Planes	†55	†143
Each	$0.40	.40
	.65	.65

ADJUSTABLE BEADING STOP (73)

For Planes	†45	†55
Each	$0.40	.60
	.65	.95

SLITTING CUTTER STOP (75)

For Planes	†45	†46	†47	†55
Each	$0.20	.20	.20	.20
	.30	.30	.30	.30

CAM STOP (80)

For Planes	†45	†55
Each	$0.80	.80
	1.30	1.30

SPUR WITH SCREW (85)

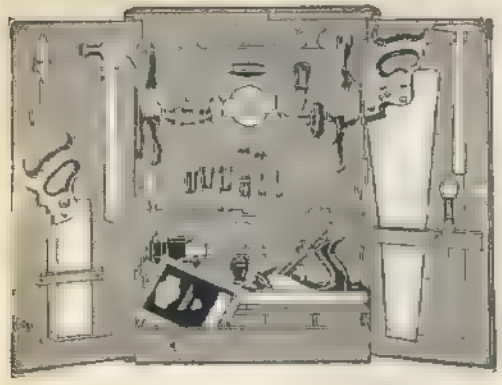
For Planes	†45	†46	†47
Each	$0.10	.10	.10
	.15	.15	.15

For Planes	†50	†143	†444	†55
Each	$0.10	.10	.10	.10
	.15	.15	.15	.15

Items Marked † Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory, New Britain, Conn.

ALBANY HARDWARE & IRON CO.

TOOL CABINETS



No. 851

Dark stained oak cabinet, well varnished. Panelled doors hung on brass plated hinges. Brass lock and key. Compartments in the drawer for small tools, nails, screws, etc.

No. 851 contains 34 tools as follows:

1 Hammer	13 oz.	No. 15	1 Chisel	½ in.	No. 4
1 Hammer	4 oz.	No. 147	1 Chisel	1 in.	No. 4
1 Saw (Hand)	20 in.		1 Cold Chisel	½x6 in.	No. 1A
1 Saw (Back)	10 in.	No. 836	1 Vise	1½ in. Jaws	No. 741
1 Saw (Keyhole)		No. 1	1 Gauge (Marking and Mortise)		No. 98
1 Saw (Coping) with 12 extra blades		No. 103	1 Combination Square	9 in.	No. 21
1 Screw Driver	5 in.	No. 20	1 Bevel	8 in.	No. 25
1 Screw Driver	4 in.	No. 40	1 Spoke Shave		No. 151
1 Screw Driver	3 in.	No. 50	1 Plumb and Level	12 in.	No. 366
1 Rule (Zig Zag)	5 ft.	No. 105	1 Nail Set	2/32 in.	No. 11
1 Plane (Bench)	11½ in.	No. 5¼	1 Hollow Handle Tool Set. Contains one each Chisel, Reamer, Scratch Awl, Screw Driver, Tack Puller, Belt Awl and six Brad Awls as sorted.		No. 305
1 Plane (Block)	6 in.	No. 60			
1 Scraper		No. 80			
1 Bit Brace	8 in.	No. 915			
1 Auger Bit	¼ in.				
1 Auger Bit	⅜ in.				
1 Auger Bit	½ in.				
1 Gimlet Bit		No. 6			
1 Screw Driver Bit	⅞ in.	No. 26	1 Pair Pliers		
1 Bit Gauge		No. 49	1 Oil Stone		No. 29
1 Chisel	¾ in.	No. 40	1 Package Corrugated Fasteners		

High 26⅝ in., wide, 19½ in., deep, 8⅛ in.

Packed, 1, weight, 52 lbs..... .....each, **$65.00**

No. 862

Dark stained oak cabinet varnished. Sides set in. Joints glued and nailed. Three hinges, lock and carrying handle.

No. 862 contains 20 tools as follows:

1 Hammer	13 oz.	No. 15	1 Screw Driver Bit	¼ in.	No. 26
1 Screw Driver	5 in.	No. 20	1 Try and Mitre Square	9 in.	No. 21
1 Screw Driver	3 in.	No. 50	1 Nail Set	2/32 in.	No. 11
1 Rule (Zig Zag)	4 ft.	No. 04	1 Pair Pliers		
1 Saw (Hand)	18 in.		1 Hollow Handle Tool Set, Contains one each -Chisel, Reamer Scratch Awl, Screw Driver, Tack Puller, Belt Awl and six Brad Awls assorted.		No. 306
1 Plane (Bench)	8 in.	No. 3			
1 Chisel	[illegible] in.	No. 40			
1 Chisel	¾ in.	No. 40			
1 Spoke Shave		No. 151			
1 Bit Brace	8 in.	No. 945			
1 Auger Bit	¼ in.				
1 Auger Bit	⅜ in.				
1 Auger Bit	½ in.				
1 Gimlet Bit		No. 6	1 Vise Jaw	1½ in.	No. 741

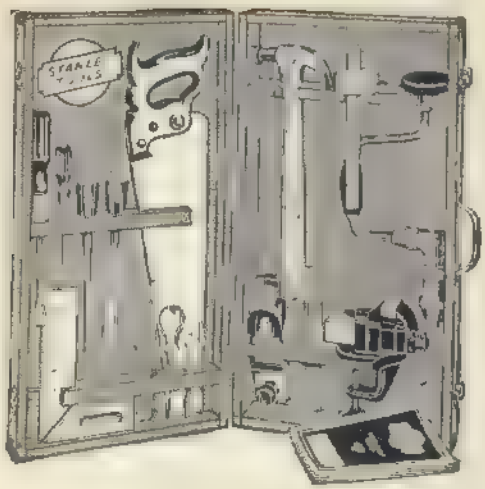
1 Package Corrugated Fasteners

High, 24 in., wide, 14 in., deep, 6¼ in.

Packed, 1, weight, 23 lbs. ..... each, **$35.00**

We carry a very complete line of boy's tool chests for the holiday trade which is supplemented by mechanical and other toys, catalogues of which, accompanied by quotations, will be gladly sent upon request.

TOOL CHESTS



No. 903

No. 903

Dark stained and varnished hardwood. Tops and bottoms set in. Joints glued and nailed. Three hinges, two catches and carrying handle

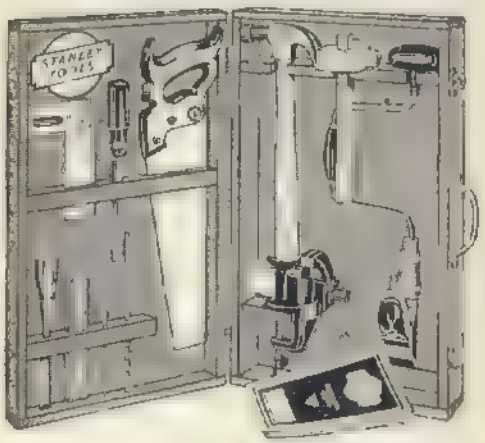
Contains 17 tools as follows

1 Hammer	13 oz.	No. 12	1 Chisel	¾ in.	No. 50
1 Screw Driver	5 in.	No. 20	1 Bit Brace	8 in.	No. 945
1 Screw Driver	3 in.	No. 50	1 Auger Bit	¼ in.	
1 Rule (Zig Zag)	4 ft.	No 04	1 Auger Bit	⅜ in	
1 Saw (Hand)	16 in.		1 Gimlet Bit		No. 6
1 Try and Mitre Square	7½ in.	No. 2	1 Screw Driver Bit	[illegible] in	No. [illegible]
1 Marking Gauge		No. 62	1 Awl	1¼ in.	
1 Plane (Block)	7 in.	No. 220	1 Vise	Jaw 1½ In	No. 741
1 Chisel	¾ in.	No. 50			

1 Package Corrugated Fasteners

Long, 21½ in., wide, 11⅜ in., deep, 4⅛ in.

Packed, 1, weight, 18 lbs. ... . each, **$20.00**



No. 904

No. 904

Dark stained and varnished hardwood. Tops and bottoms set in. Joints glued and nailed. Three hinges, two catches and carrying handle

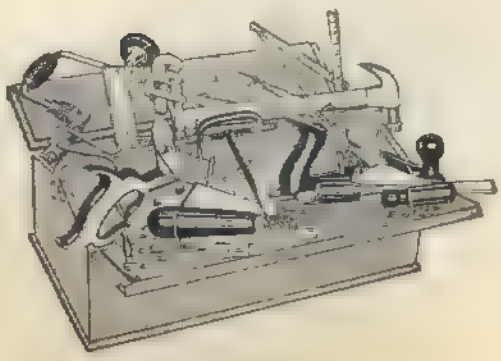
Contains 12 tools as follows:

1 Hammer	10 oz.	No. 12	1 Plane (Block)	5½ in.	No. 102
1 Screw Driver	4 in.	No. 70	1 Chisel	½ in.	No. 50
1 Rule	2 ft.	No. 68A	1 Bit Brace	8 in.	No 966
1 Saw (Hand)	14 in.		1 Auger Bit	¼ in.	
1 Try Square	4½ in.	No. 20	1 Auger Bit	⅜ in.	
1 Marking Gauge		No. 61	1 Vise		No. 741

1 Package Corrugated Fasteners

Long, 19½ in., wide, 11¼ in., deep, 4½ in

Packed, 1, weight, 15 lbs. ....each, **$15.00**



No. 888B

No. 888B

Stained hardwood. Ornamental brass hinges on covers. Brass carrying handle on top. Sliding drawer inside for small tools, nails, screws, etc.

Contains 18 tools as follows:

1 Hammer	13 oz.	No. 12	1 Carpenter Steel Square	12 in.	No. 10
1 Saw (Panel)	16 in.		1 Hollow Handle Tool Set, Contains—1 each Gimlet, File, Saw, Chisel, Reamer, Screw Driver, 2 Brad Awls and with extra 6½ inch saw.		No. 302
1 Saw (Coping) with 12 extra blades		No. 100			
1 Screw Driver	4 in.	No. 20			
1 Rule (Zig Zag)	4 ft.	No. 04			
1 Plane (Bench)	8 in.	No. 3			
1 Bit Brace	8 in.	No 945	1 Adjustable Pipe Wrench	10 in.	
1 Auger Bit	¼ in.		1 Pair Pliers		
1 Auger Bit	⅜ in.		1 Glass Cutter		No 300
1 Gimlet Bit		No. 6	1 Sharpening Stone		
1 Chisel	¾ in.	No. 40			
1 Cold Chisel	½ in. x 6 in.	No. 1A			

1 Package Corrugated Fasteners

Long, 20 in., wide, 10½ in., deep, 8 in.

Packed, 1, weight, 25 lbs .....each, **$25.00**

ALBANY HARDWARE & IRON CO.

TOOL CHESTS

No. 732 Standard

Lock cornered, soft wood frame, zinc covered, embossed paper lined

Tray, lock cornered for extra strength, pulls out, always level with no danger of dropping down

The hinged drop front carries three saws, level brackets are at the back of chest under tray. Framing square stands up in front of the tray

Multiple key large size tape lock

No. 532 Special

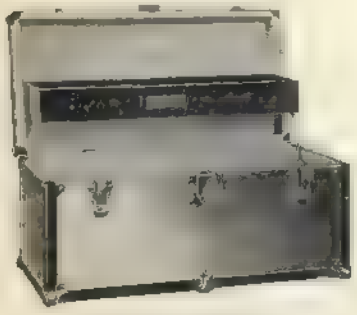
Soft wood, lock cornered case, zinc covered, embossed paper lined.

Tray is automatically raised and lowered with the top and always remains absolutely level and out of the way. Saw blocks at the back for three saws. A framing square can be carried with one end projecting through a slot in the top

Safety-hasp lock

No. 132 Shoulder

Saw block in the top will carry three saws. Lock cornered case made of soft wood is zinc covered and lined with heavy embossed paper. Special Corbin twelve-change lock with two flat keys.



Nos. 216, 219, 222

Zinc covered and embossed paper lined. Tray automatically raises with top and always remains level and out of the way

No. BB

Quartered oak outside and drawer fronts. Till and cover lined bottoms and sides. Drawers lined bottoms only. Oval mirror in till top.

No. K Garage

The third long drawer from top is partitioned for a set of socket wrenches and the bottom drawer is a tray with the telescoping steel handle

Chest frame and tray lock corner jointed of solid oak. Chest back and drawer bottoms three ply veneer

Finish: Black, oil proof inside and out.

No.	Outside	Tray	Weight	Each
Z732	32x7 x16 in	30¼x3 x2¼ in.	19 lbs., each	**$11.60**
Z532	32x8¾x10 in	30⅜x3¾x17⅜ in	15 lbs., each	**9.70**
Z132	32x8 x 8 in	none	13 lbs., each	**7.50**
Z216	16x8 x 8½ in	14¼x4 x in	8 lbs., each	**5.80**
Z219	19x8 x 8½ in.	17¼x4 x in	9 lbs., each	**6.10**
Z222	22x8 x 8½ in	20¼x4 x in	10 lbs., each	**6.50**
BB Oak	20x8 x12¾ in	18¼x6 in. & 8½x6 in	17½ lbs., each	**18.80**
K	20 x9 x13 in	18¼x7⅜ in. & 12⅞x7⅜ in. 18x7⅜x3⅜ in. & 4 x7⅜ in	22 lbs., each	**16.50**

Factory packing is 4, 8 or 12 to a crate of all chests except machinists and garage chests which come 2 in a crate

ONE-MAN CROSSCUT SAWS

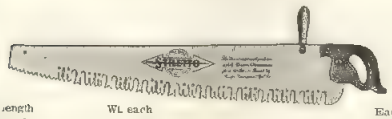
Highest grade crucible steel. Carefully ground and polished. Thin back. Teeth filed and set ready for use. Selected beechwood handle with varnished edges. Supplementary handle with polished ferrule.

CHAMPION TOOTH

Length	Wt. each	Each
2½ ft	2½ lbs	$4.45
3 ft	3 lbs	5.35
3½ ft	4 lbs	6.25
4 ft	5 lbs	7.10
4½ ft	6 lbs	8.00
5 ft	7 lbs	8.90

Loose.

PERFORATED LANCE TOOTH



Length	Wt. each	Each
3 ft	3 lbs	$ 6.00
3½ ft	4 lbs	7.05
4 ft	5 lbs	8 00
4½ ft	6 lbs	9.00
5 ft	7½ lbs	10.00

Loose.

SIMONDS CHINOOK TOOTH

Simonds crucible steel. Polished. Thin back. Teeth filed and set ready for use. Beechwood handle with varnished edges. Supplementary handle.

No. 228—Sway Back, Straight Ground

Length	Wt. each	Each
3 ft.	3½ lbs	$7.40
3½ ft	4 lbs	8.48
4 ft.	5 lbs	9.58
4½ ft.	6 lbs	10.64
5 ft	7 lbs	11.74

Loose.

SAW HANDLES
ONE MAN
REGULAR

Selected beechwood. Plain sides. Varnished edges

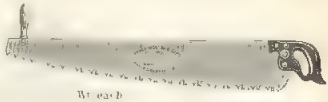
No.	No. holes	Wt. per doz.	Per doz.
45	Not bored	7½ lbs	$6.00
50	3	7½ lbs	6.00
55	4	7½ lbs	6 00

One dozen in a cardboard box

DISSTON

Highest grade crucible steel ground and polished. Thin back. Teeth filed and set ready for use. Selected beechwood handle with varnished edges. Supplementary handle.

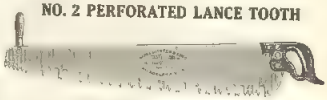
CHAMPION TOOTH



Length	Wt. each	Each
2½ ft	3 lbs	$ 4.45
3 ft	3½ lbs	5 32
3½ ft.	3¾ lbs	6.25
4 ft	4½ lbs.	7.10
4½ ft.	6¼ lbs.	8.00
5 ft.	7 lbs.	8.90
5½ ft	9 lbs	9.80
6 ft	9½ lbs	10.65

Loose

NO. 2 PERFORATED LANCE TOOTH



Length	Wt. each	Each
3 ft.	3 lbs	$ 6.00
3½ ft.	4½ lbs.	7.05
4 ft.	5½ lbs.	8.00
4½ ft.	6 lbs.	9.00
5 ft.	7 lbs.	10.00
5½ ft	9 lbs.	11.00

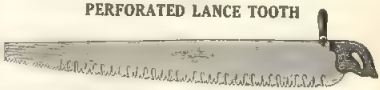
Loose

DISSTON GREAT AMERICAN TOOTH

Length	Wt. each	Each
2½ ft	3 lbs	$5.80
3 ft.	3½ lbs.	6.80
3½ ft.	4 lbs.	6.80
4 ft.	5 lbs.	7 70
4½ ft.	6 lbs.	8.65
5 ft	7½ lbs.	9.65

Loose.

PERFORATED LANCE TOOTH



No. 222—Straight Ground

Length	Wt. each	Each
3 ft	3 lbs	$6.18
3½ ft	3½ lbs	7.02
4 ft	4 lbs.	7.88
4½ ft.	4½ lbs	8.72
5 ft	5 lbs	9.58

Loose.

SAW HANDLES
SUPPLEMENTARY OR POINT

Malleable iron ferrule. Washer, rod and nut fastened inside.

No.	Length	Diameter	Wt. per doz.	Per doz.
60	5¾ in.	1⅞ in.	4 lbs.	$4.70

One dozen in a cardboard box.

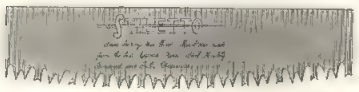
CROSSCUT SAWS

WITHOUT HANDLES

If handles are wanted, specify separately for them

Highest grade crucible steel. Taper ground and polished. Uniform thickness on cutting edge. Teeth extra filed and carefully set, ready for use. Papered and stripped

CHAMPION TOOTH, 14X16 GAUGE



Length	Width center	Wt each	Each
5 ft.	.7¼ in	6 lbs	$ 7.40
5½ ft	.7¼ in	7¼ lbs	8 10
6 ft	.7½ in	7½ lbs	8 85
6½ ft	7¾ in	8½ lbs	9.60
7 ft	8 in	.10 lbs	10.30

Loose.

PERFORATED LANCE TOOTH, 14X18 GAUGE

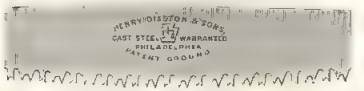
Length	Width center	Wt each	Each
5 ft.	7¼ in	6½ lbs	$10 80
5½ ft.	7¼ in	.7 lbs	12 00
6 ft.	7½ in.	7 lbs	13.00
6½ ft.	8 in.	8 lbs.	14 00
7 ft	9 in..	9 lbs	15.00

Loose

DISSTON

High grade crucible steel. Taper ground and polished. Uniform thickness in cutting edge. Teeth filed and set ready for use.

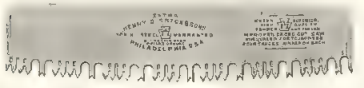
CHAMPION TOOTH, 14X16 GAUGE



Length	Width center	Wt each	Each
4½ ft	6½ in	4½ lbs	$ 6 60
5 ft	7 in	6½ lbs	7 40
5½ ft	7¼ in	.7 lbs	8 10
6 ft.	7½ in.	.7½ lbs	8 85
6½ ft.	7¾ in	8½ lbs	9 60
7 ft	8 in	9 lbs	10 30

Loose.

PERFORATED LANCE TOOTH, 14X16 GAUGE

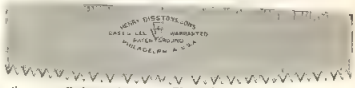


Length	Width center	Wt each	Each
4½ ft	5¾ in	4¾ lbs	$ 9.70
5 ft	6 in.	5 lbs	10.80
5½ ft.	6 in	5½ lbs	12.00
6 ft	7½ in	7½ lbs	13 60
6½ ft	.6¾ in	7½ lbs	14.00
7 ft	7 in	.9 lbs	15.10

Loose.

DISSTON

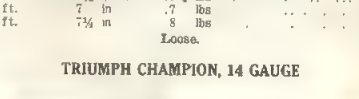
TENNON TOOTH, 14X16 GAUGE



Length	Width center	Wt each	Each
4½ ft.	.6½ in	4 lbs	$6.60
5 ft.	6¾ in	.5½ lbs	7 40
5½ ft.	7 in	.7 lbs	8.10
6 ft.	7¼ in	8 lbs	8 85

Loose.

TRIUMPH CHAMPION, 14 GAUGE



Ground two gauges thin on back.

Length	Width center	Wt each	Each
5 ft.	in.	.4 lbs	$4 85
5½ ft.	.6½ in	..4¼ lbs	5.40
6 ft	.6¾ in	4½ lbs..	5.85
6½ ft	7 in.	5 lbs	6 35

Loose

SIMONDS

Simonds crucible steel. Crescent ground, assuring uniform thickness on cutting edge. Polished. Teeth filed and set ready for use.

ROYAL CHINOOK, BUCKING PATTERN

No. 503—13 gauge on teeth, 18 gauge on back.

Length	Width center	Wt each	Each
5½ ft.	7 in.	8½ lbs.	$18 04
6 ft.	7 in	8½ lbs	20.32
6½ ft.	.7 in	9½ lbs	22.86
7 ft	7¼ in	10½ lbs	25 40
7½ ft	7½ in	11½ lbs	27 94

Loose

ROYAL CHINOOK, FALLING PATTERN

No. 513—13 gauge on teeth, 17 gauge on back.

Length	Width center	Wt each	Each
7 ft.	5⅝ in.	8 lbs.	$25 40
7½ ft	5¾ in	.9 lbs	27 94

Loose.

CHINOOK, PACIFIC COAST PATTERN

No. 520—13 gauge on teeth, 17 gauge on back.

Length	Width center	Wt each	Each
5 ft.	6 in	7½ lbs.	$12.02
5½ ft.	6½ in	8 lbs	13 42
6 ft	6¾ in	8¾ lbs	15 10
6½ ft	7 in	10 lbs	17 16
7 ft	7¼ in	10½ lbs	19.00
7½ ft	7½ in	12½ lbs	20.96

Loose

CROSSCUT SAW HANDLES

REVERSIBLE

Hardwood handle. Malleable iron castings, painted blue. Will cut at any angle.

Simonds R. G.—

Length	Diameter	Wt. per pair	Per pair
14 in.	1¼ in.	2½ lbs.	$2.50

Loose.

Double grip hardwood handle. Heavy malleable iron castings.

No. 113—

Length	Diameter	Wt. per pair	Per pair
14½ in.	1⅛ in.	2½ lbs.	$1.90

Loose.

Universal—A complete and perfect reversible hardwood handle with malleable iron guard. Can be used at any angle.

No. 114—

Length	Diameter	Wt. per pair	Per pair
14 in.	1¼ in.	2½ lbs.	$1.60

Loose.

Double grip hardwood handle. Plain malleable iron castings.

No. 112—

Length	Diameter	Wt. per pair	Per pair
14½ in.	1⅛ in.	2½ in	$1.10

Loose.

Climax Hardwood handle. Iron casting in front and back. Plain malleable iron bolt and nut.

No. 102½—

Length	Diameter	Wt. per pair	Per pair
13½ in.	1 in	1½ lbs.	$0.70

Loose.

Oregon Climax—Hardwood handle. Heavy gray iron castings, malleable iron bolt and nut.

No. 104—

Length	Diameter	Wt. per pair	Per pair
14 in.	1⅝ in.	2 lbs.	$0.80

Loose.

Loop Handle—Hardwood handle. Malleable iron round head washer. Loop rod and inside nut.

No. 107—

Length	Diameter	Wt. per pair	Per pair
10½ in.	1⅝ in.	1⅓ lbs.	$0.60

Loose.

HIGHEST QUALITY IMPORTED BARBERS' RAZORS

S. R. DROSCHER'S FAMOUS "SWEEP" RAZORS are unequalled in quality, finish and workmanship, and are guaranteed to give entire satisfaction.

They are made of the best quality English steel and are twice hand forged to prevent overheating.

Ground by hand by expert grinders after the old approved system. The blades thus remain perfectly cool and retain the original quality of the steel, which is an impossible achievement in machine-ground razors. Every razor is tested and set ready for use. Unequalled for private as well as barbers' use.

No. 206½—½ in. blade, square point, full hollow ground, white ivoride handle .....per dozen **$54.00**

No. 206¾—¾ in. blade, square point, full hollow ground, white ivoride handle .....per dozen **$54.00**

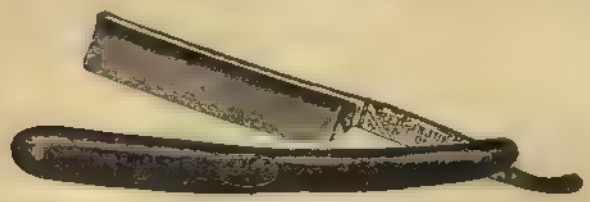
ONE IN A TELESCOPE BOX, HALF DOZEN IN A BOX

Made from the famous "Karbona Special Steel" ground by hand by expert grinders after the old approved system. The blades thus remain cool and retain the original quality of the steel, which is an impossible achievement in machine ground razors. Every razor is tested and set ready for use. Fully warranted—unequalled for private as well as barbers' use.

No. 190½—½ in. blade, square point, full hollow ground, white ivoride handle ... . per dozen **$54.00**

No. 190¾—¾ in. blade, square point, full hollow ground, white ivoride handle .....per dozen **$54.00**

ONE IN A TELESCOPE BOX, HALF DOZEN IN A BOX



H. BOKERS'S "RED-INJUN"
HIGHEST QUALITY ENGLISH STEEL

Full hollow ground, polished, file tang, oval rubber handle.

No. 100—½ in. blade, **Square Point** ....per dozen **$72.00**

No. 101—¾ in. blade, **Square Point** ....per dozen **72.00**

No. 101RP—¾ in. blade, **Round Point** ..per dozen **72.00**

These razors are of the highest quality obtainable in workmanship, quality and finish. Just the razor for the barber or for the man who shaves himself.

RAZOR HANDLES

Oval rubber, complete with nickel silver rivets and washers.

No. 12½—½ in. .....per dozen **$2.50**

No. 12¾—¾ in. .....per dozen **2.50**

No. 12⅞—⅞ in. .....per dozen **2.70**

No. 12⅞—⅞ in. .....per dozen **2.70**

Flat rubber, complete with nickel silver rivets and washers.

No. 012½—½ in. .....per dozen **$2.60**

No. 012¾—¾ in. .....per dozen **2.60**

No. 012⅞—⅞ in. .....per dozen **2.80**

No. 012⅞—⅞ in. .....per dozen **2.80**

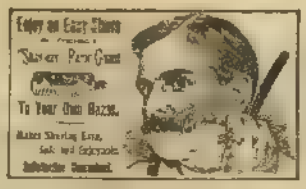
Flat white ivory celluloid, complete with nickel silver rivets and washers.

No. 200½—½ in. .....per dozen **$4.00**

No. 200¾—¾ in. .....per dozen **4.00**

No. 200⅞—⅞ in. .....per dozen **4.00**

ONE DOZEN IN A BOX



No. 5—Shav-ezy, brass nickel plated, can be adjusted to fit any razor .....per dozen **$4.50**

ONE DOZEN IN A CASE

RAZORS

HIBBARD, SPENCER, BARTLETT & CO.'S WARRANTED

Highest Quality Steel.

Hibbard, square point, hollow ground, oval rubber handle, file tang.

No. 1674—½ in. blade,
per dozen $35.50

No. 1675—§ in. blade,
per dozen $35.50

HALF DOZEN IN A BOX

Highest Quality Steel.

Hibbard, square point, hollow ground, crocus polished, flat rubber handle, double file tang.

Nos.	383	384	385	386
Blade, in.	§	½	§	¾
Per dozen	$38.00	38.00	38.00	38.00

HALF DOZEN IN A BOX

Highest Quality Steel.

Hibbard, square point, hollow ground file tang, oval rubber shaped handle.

No. 1654—½ in. blade,
per dozen $40.00

No. 1655—§ in. blade,
per dozen $40.00

HALF DOZEN IN A BOX

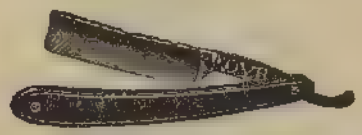
Highest Quality Steel.

Hibbard, § inch blade, full hollow ground, crocus polished, double file tang, fancy ivoride handle.

No. 415—Round point,
per dozen $47.50

No. 425—Square point,
per dozen $47.50

HALF DOZEN IN A BOX



Highest Quality Steel.

No. 1665 Hibbard—§ in. blade, square point, fine full hollow ground, crocus polished, fancy back, double file tang, flat rubber handle,
per dozen $49.00

HALF DOZEN IN A BOX

No. 3035 Hibbard—§ in. blade, **bullet head, square point,** extra hollow Hamburg ground, beautifully finished, mottled brown celluloid handle, w't per doz. 1¾ lbs.,
per dozen $42.00

HALF DOZEN IN A BOX

Highest Quality Steel.

Hibbard, § inch blade, extra hollow ground, oval rubber handle, file tang.

No. 3015—Square point,
per dozen $27.00

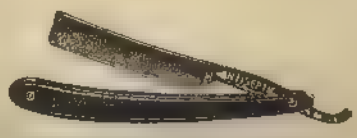
No. 3025—Round point,
per dozen $27.00

HALF DOZEN IN A BOX

Highest Quality Steel.

No. 3040 Hibbard—§ in. blade, square point, extra hollow ground with file tang, flat amber celluloid handle, w't per doz. 1¾ lbs.,
per dozen $31.50

HALF DOZEN IN A BOX



ANTISEPTIC, square point, hollow ground, flat rubber handle, double file tang.

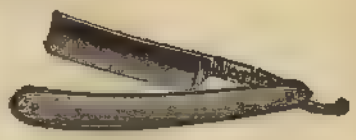
No. 1634—½ in. blade,
per dozen $23.00

No. 1635—§ in. blade,
per dozen $23.00

HALF DOZEN IN A BOX

No. 365—Improved Rattler, § in. blade, square point, extra hollow ground, oval black rubber handle,
per dozen $21.00

HALF DOZEN IN A BOX



Highest Quality Steel.

Hibbard, full hollow ground, crocus polished, improved pearl tang, white ivoride handle, § in. blade.

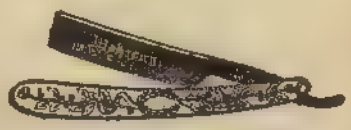
No. 1815S—Square point,
per dozen $60.00

No. 1815R—Round point,
per dozen $60.00

HALF DOZEN IN A BOX

No. 505—Solid Comfort, § in. blade, full hollow ground, crocus polished, etched in gold, file tang, rubber handle .....per dozen $42.00

HALF DOZEN IN A BOX

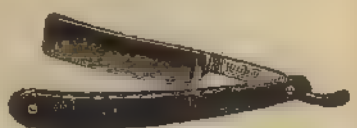


No. 575—Mohican, § in. blade, square point, extra hollow ground, crocus polished, double file tang, fancy ivoride handle,
per dozen $31.50

HALF DOZEN IN A BOX

No. 585—Mohican, § in. blade, round point, extra hollow ground, crocus polished, double file tang, fancy ivoride handle,
per dozen $31.50

HALF DOZEN IN A BOX



No. 1825 Hibbard—§ in. blade, square point, full hollow ground, crocus polished, improved pearl tang, flat rubber handle .....per dozen $52.50

HALF DOZEN IN A BOX

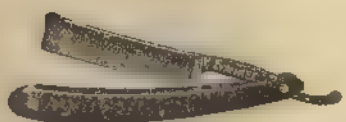
Hibbard WARRANTED RAZORS

No. 965—America, ⅞ in. blade, square point, extra hollow ground, double file tang, etched in gold, oval rubber handle .....per dozen $29.50

HALF DOZEN IN A BOX

No. 1145—Barbers' A1, ⅞ in. blade, square point, extra hollow ground, flat rubber handle, per dozen $26.50

HALF DOZEN IN A BOX



No. 1624—Yankee, ⅞ in. blade, square point, hollow ground, double file tang, oval rubber handle, per dozen $26.50

HALF DOZEN IN A BOX

No. 1845—Antiseptic, ⅞ in. blade, square point, hollow ground, oval rubber handle with nickel tops, per dozen $33.00

HALF DOZEN IN A BOX

No. 1845—Blue Steel, ⅞ in. blade, square point, hollow ground, crocus polished, flat rubber handle, double file tang .....per dozen $40.00

HALF DOZEN IN A BOX

Hibbard WARRANTED RAZORS

"OUR DAISY," full hollow ground, etched in gold, double file tang, oval rubber shaped handle.

No. 444R—½ in. blade, **round** point, per dozen $40.00

No. 445R—⅝ in. blade, **round** point, per dozen $40.00

No. 445S—⅝ in. blade, **square** point, per dozen $40.00

HALF DOZEN IN A BOX

"OUR MASCOTTE," square point, full hollow ground, file tang, oval rubber handle.

No. 794—½ in. blade, per dozen $39.00

No. 795—⅝ in. blade, per dozen $39.00

HALF DOZEN IN A BOX

No. 455—Golden Rod, ⅞ in. blade, hollow point, full hollow ground, etched in gold, fancy rubber handle, long file tang ....per dozen $50.50

HALF DOZEN IN A BOX

No. 915—⅞ in. blade, hollow point, full hollow ground, crocus polished, etched in gold, oval rubber handle, ivory tang .....per dozen $45.50

HALF DOZEN IN A BOX

OUR VERY BEST OVB

RAZORS

We have secured a limited quantity of Razors from one of our American factories at a very low price and offer same at Special Prices.

These razors should be especially attractive to premium, scheme, punch board men, etc.

No. 580—Assorted, widths ½ and ⅝ in., round, hollow and square points, plain glazed and polished blades, **fancy white brown mottled, shell and smoked pearl celluloid oval and flat celluloid handles with and without nickel silver tips** .....per dozen $9.50

EACH RAZOR PUT UP IN AN INDIVIDUAL TELESCOPE BOX

ONE DOZEN ASSORTED IN A BOX. WE DO NOT BREAK BOXES

These Razors will be sold **only** as they are packed by the factory. One dozen in a box. Assorted widths, points and handles.

No. 578—Assorted, width ½ and ⅝ in. **round and square points,** plain **glazed and polished** blades, **hollow ground,** flat black celluloid handles .....per dozen $10.50

EACH RAZOR PUT UP IN AN INDIVIDUAL TELESCOPE BOX

ONE HALF DOZEN ASST IN A CARTON

Hibbard HARDWARE FOR HARD~WEAR

TENNIS RACKETS

*DIAMOND BRAND

*"DIAMOND"

Each

No. 20—Concave Throat; Ash Frame; Shoulders Reinforced with Green Binding; Double Center Stringing; Weights, 13, 13½, 14, 14½ ozs. **$6.00**

One in a Paper Bag

*"TR UMPH"

Each

No. 15—Strong Made Racket with Regular Black Walnut Throat; Double Center Stringing; Assorted Weights: Light, Medium and Heavy **$4.70**

One in a Paper Bag

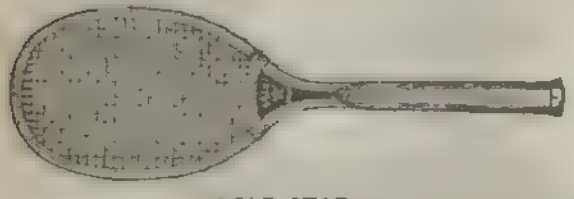
*"GYM"

Each

No. 10—For Beginners; a Good, Strong, Reasonable Priced Racket; Single Center Stringing. Assorted Weights: Light, Medium and Heavy **$4.20**

One in a Paper Bag

WRIGHT AND DITSON



GOLD STAR

Used by National Champions and Many Prominent Players; Frame is Shaped Long and Narrow and is Especially Adapted for Stroke Players and Overhead Work.

Each

No. WD4—Cedar Handle; Frame of Very Best Selected Second Growth White Ash; Walnut Throat with Hardwood Rinforcement on Outside; Wrapped at Shoulder with Strong Braided Green Twine, Giving Exceptional Strength Where Most Needed; Single Stringing of Highest Quality English Gut; 5¼ inch Handle; Weights, 13½, 14 and 14½ ozs. **$18.00**

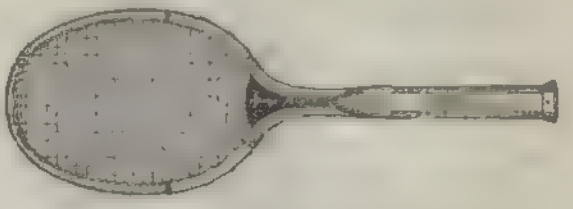
One in a Paper Bag

TENNIS RACKETS

WRIGHT AND DITSON

WEIGHTS OF RACKETS

We Strongly Recommend Players to Use Rackets Weighing Not Less Than 13½ ozs., as Rackets of This Weight and Above are More Serviceable and Durable; Lighter Rackets are Made of Wood Which is Not as Strong and Consequently are Not as Desirable as the Heavier Ones; We Do Not Guarantee Any Racket Weighing Less Than 13½ ozs.

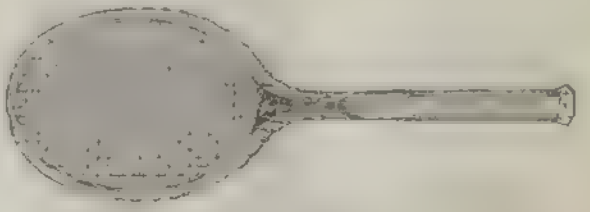


GEORGE WRIGHT, AMERICAN

Each

No. WD1—Cedar Handle; Frame of the Very Best Selected Second Growth White Ash, Inside Edge Beveled; Mahogany Laminated Concave Throat; Frame Wrapped at Shoulders and Again at Interval of Four Inches with Strong Braided Blue Twine Giving Exceptional Strength Where Most Needed; Single Stringing of Highest Quality English Gut; 5¼ inch Handle; Weights, 13½, 14 and 14½ ozs. **$18 00**

One in a Paper Bag



GEORGE WRIGHT, ENGLISH

Each

No. WD2—Cedar Handle; Frame of Very Best Selected Second Growth White Ash, Inside Edge Beveled; Mahogany Laminated Concave Throat; Frame Wrapped at Shoulders and Again at an Interval of Four Inches with Strong Braided Blue Twine, Giving Exceptional Strength Where Most Needed; Double Stringing of Highest Quality English Gut; 5¼ inch Handle; Weights 13, 14 and 14½ ozs. **$18.00**

One in a Paper Bag

DAVIS CUP

This Racket Takes its Name from the Famous Davis Cup; It is a Very Popular Racket, and is Sure to Satisfy the Most Discriminating of Players.

Each

No. WD5—Cedar Handle; Frame of Very Best Selected Second Growth White Ash; Black Walnut Laminated Concave Throat, Dogwood Reinforcement; Frame Wrapped at Shoulders with Strong Braided Maroon Twine, Giving Exceptional Strength Where Most Needed; Single Stringing of Highest Quality English Gut; 5¼ inch Handle; Weights, 13½, 14 and 14½ ozs. **$18.00**

One in a Paper Bag

TENNIS RACKETS
WRIGHT AND DITSON

TROPHY

Very Popular and a Practical Shape for All Round Play; Especially Adapted for Volleying or Net Playing.

Each

No. WD33—Cedar Handle; Frame of Finest Seasoned Ash; Hardwood Reinforcements on Throat; Single Stringing; Maroon Binding and Trimming Gut, 5¼ inch Handle; Weights, 13½, 14 and 14½ ozs. **$16 00**

One in a Paper Bag

MODEL SS

Made in the Same Shape as the Popular Gold Star Model; Especially Designed from the Ideas Furnished by the Leading Tennis Players.

Each

No. WD7—Cedar Handle; Frame of Selected Weathered Ash; Inside Edge Beveled; Depressed Walnut Throat; Frame Wrapped at Shoulders with Strong Braided Green Twine, Giving Exceptional Strength Where Most Needed; Double Stringing of Extra Fine Gut; 5¼ inch Handle; Weights, 13½, 14 and 14½ ozs. **$14 00**

One in a Paper Bag

MODEL DC

Shaped Like Davis Cup Racket

Each

No. WD6—Cedar Handle with Special Style Combing; Frame of Weathered Ash; Concave Throat Reinforced with Dogwood Insertion; Bound at Throat and on Frame; Good Quality Gut, Extra Center Springs; 5¼ inch Handle; Weights, 13½, 14 and 14½ ozs. **$14 00**

One in a Paper Bag

PREMIER

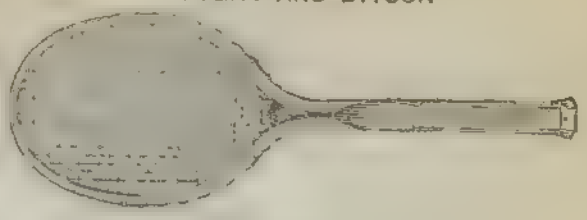
A Practical Design for All Round Play; Modeled After the "George Wright, American."

Each

No. WD8—Cedar Handle; Flat Chamfered; Frame of High Grade Second Growth Ash, Inside Edge Beveled; Walnut Throat with Dogwood Reinforcement Inside. Frame Wrapped at Shoulders with Strong Braided Maroon Twine, Giving Exceptional Strength Where Most Needed; Single Stringing of High Grade Gut; Weights, 13½, 14 and 14½ ozs. **$10 50**

One in a Paper Bag

TENNIS RACKETS
WRIGHT AND DITSON



SERVICE

A Medium Priced Racket of the Highest Grade; Modeled After the "George Wright, English."

Each

No. WD8—Cedar Handle; Oval Chamfered; Framed of High Grade Second Growth Ash, Inside Edge Beveled; Depressed Walnut Throat, with Dogwood Reinforcement Inside; Frame Wrapped at Shoulders with Strong Braided Green Twine Giving Exceptional Strength Where Most Needed; Double Strung Center of High Grade Gut; Weights, 13½, 14 and 14½ ozs. **$10.50**

One in a Paper Bag

ALL AMERICAN

A Very Fine Appearing and Durable Racket Which is the Embodiment of All the Latest Improvements and is Adapted for All Round Play.

Each

No. WD10—Cedar Handle; Frame of Well Seasoned Second Growth Ash; New Style Chamfering, Beveled Inside and Out; Depressed Dogwood Throat with Hardwood Reinforcement Inside; Frame Wrapped at Shoulders with Strong Braided Green and Maroon Twine, Giving Exceptional Strength Where Most Needed; Double Strung Center of High Grade Gut; Weights, 13½, 14 and 14½ ozs. **$10.50**

One in a Paper Bag

CHALLENGE

A Very Popular Racket for Ordinary Play; It is Medium Priced and Strongly Recommended for the Average Player.

Each

No. WD11—Cedar Handle; Frame of Specially Selected Ash; Beveled Inside and Out; White Holly Throat, with Oak Reinforcement Inside; Frame Wrapped at Shoulders with Strong Braided Blue Twine, Giving Exceptional Strength Where Most Needed; Doherty Style; Double Stringing of High Grade Gut; Assorted Weights: Light, Medium and Heavy. . **$9.00**

One in a Paper Bag

COLLEGIATE

This Racket is the Same Shape as the Davis Cup

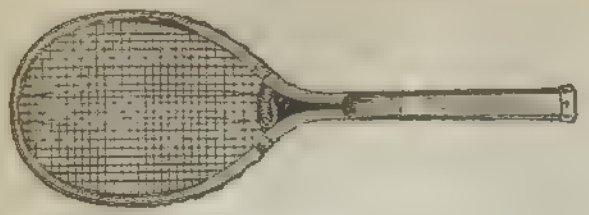
Each

No. WD12—Cedar Handle; Outside Chamfered, Frame of Selected Ash; Beveled Inside; Depressed White Holly Concave Throat Reinforced with Dogwood, Frame Wrapped at Shoulders and Again at an Interval of Four inches with Strong Braided Black Twine, Giving Exceptional Strength Where Most Needed; Double Strung Center of High Grade Gut; Assorted Weights: Light, Medium and Heavy. **$9 00**

One in a Paper Bag

TENNIS RACKETS

WRIGHT AND DITSON



CHAMPION

Made in the Trophy Shape; Recommended to Players Who Want a Good Racket at a Medium Price.

Each

No. WD13—Cedar Handle; White Ash Frame; Walnut Throat; Tape Wrapped; Center Stringing Good Quality Red and White Gut; Extra Center Strings; Assorted Weights: Light, Medium and Heavy..... $8 00

One in a Paper Bag

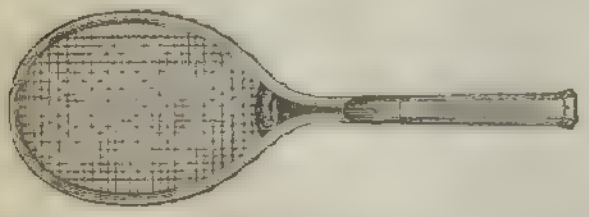
LONGWOOD

This Racket for a Long Time Has Been One of the Most Popular, and in its New Shape it is Sure to be More Popular Than Ever.

Each

No. WD14—Cedar Handle; White Ash Frame; New English Oval Shape; Walnut Throat; Tape Wrapped; Good Quality Red and White Gut, Assorted Weights: Light, Medium and Heavy.... $8.00

One in a Paper Bag



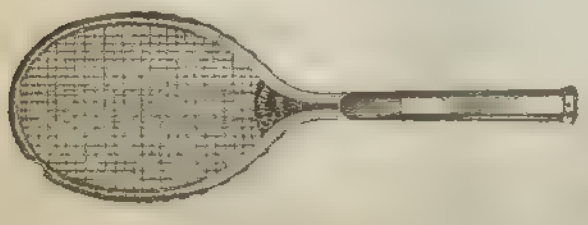
COLUMBIA

Made After the Latest and Most Approved Style; Splendidly Balanced and Well Made Throughout.

Each

No. WD16—Cedar Handle; White Ash Frame; Walnut Throat; Good Quality Black and White Gut; Extra Center Strings; Assorted Weights: Light, Medium and Heavy..... $6 50

One in a Paper Bag



COUNTRY CLUB

Each

No. WD166—Full Size Bow; Cedar Handles; Selected White Ash Frame; Flat Chamfer with Walnut Throat; Good Quality Gut; No. 2 Style Doherty Stringing; Assorted Weights: Light, Medium and Heavy $6 00

One in a Paper Bag

TENNIS RACKETS

WRIGHT AND DITSON

THE PARK

Full Size and a Very Popular Shape; Well Finished Throughout

Each

No. WD17—Cedar Handle; Selected White Ash Frame; Walnut Throat; Good Quality White Gut; Assorted Weights: Light, Medium and Heavy.. $4.80

One in a Paper Bag

THE HUB

The Shape and Finish of the Hub Has Made it a Very Popular Low-Priced Racket.

Each

No. WD18—Cedar Handle; Selected White Ash Frame; Walnut Throat; Good Quality White Gut; Assorted Weights: Light, Medium and Heavy..... $4.00

One in a Paper Bag

STEEL TENNIS RACKETS

DAYTON

Each

No. DW—A Strong, Light, Perfectly Formed Steel Tube, Which Replaces the Wooden Frame; Cannot Warp, May be Used in Any Kind of Weather; Strung with Steel String Made of Smooth Twisted Wire; Their Tension and Resiliency is the Same as the Best Gut and are Practically Unbreakable; Regular Wood Handle with Leather Butt Cap; This Racket is Perfectly Balanced, the Same as the Highest Grade Wooden Frame Racket; Made in All Standard Weights: 13, 13¼, 13½, 13¾, 14, 14¼, 14½, 14¾ ozs $16 00

One in a Paper Bag

TENNIS RACKET PRESSES

Players Who Want to Preserve Their Rackets Should Always Keep Them in a Press When Not in Use; This is the Best Pattern to Prevent Rackets from Warping.

Each

No. OP—Hard Maple; Plain Finish; Four Steel Screws with Wing Thumb Nuts, Size, 12x10¾x6x1 inches; Weight, 1½ lbs..... $2 80

One in a Package

TUDOR PLATE is a One Price Line

Carries a 20 Year Replacement Guarantee

Duchess	*Baronet*	Teaspoons	12 in plain box	Per Doz.	$3.60
Duchess	*Baronet*	Dessert Spoons	12 in plain box	"	6.92
Duchess	*Baronet*	Tablespoons	12 in plain box	"	7.28
Duchess	*Baronet*	Round Bowl Soup Spoons	12 in plain box	"	7.28
Duchess	*Baronet*	Flat Medium Forks	12 in plain box	"	7.28
Duchess	*Baronet*	Flat Dessert Forks	12 in plain box	"	6.92
Duchess	*Baronet*	Embossed Handle Med. Knives	6 in racked box	"	3.16
Duchess	*Baronet*	Embossed Handle Des. Knives	6 in racked box	"	8.96
Duchess	*Baronet*	Hollow Handle Med. Knives	6 in racked box	"	2.68
Duchess	*Baronet*	H. H. Med. Knives (Stainless	6 in racked box		24.80
Duchess	*Baronet*	Hollow Handle Des. Knives	6 in racked box	"	2.28
Duchess	*Baronet*	Embossed Handle Fruit Knives	6 in racked box	"	.72

Tudor Plate

Oneida Community · Made

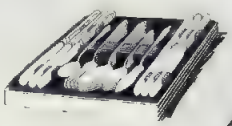
A NEW Oneida Community Silverware product, that has created a higher plane of quality in the low-priced fields. Selling so rapidly that indications are it will shortly dominate this field as completely as Community Plate now dominates the higher.

Tudor Plate is heavily plated overall with special sectional plating at the point of greatest wear. Two beautiful patterns—The Duchess and The Baronet—made by the designers of Community Plate. Packed in dainty boxes lined with blue.

Each Tudor piece is wrapped in a special transparent tarnish proof casing. A unique and convenient display feature. Silverware reaches customer clean and free from tarnish.

Twenty year Service Replacement Guarantee. A beautiful and durable silverplate at a price within the reach of everyone.

The *Tudor Buffet* gives the line all the remarkable selling advantages of the Petit Buffet in Community.

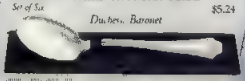


TUDOR PLATE

LARGE COLD MEAT OR SERVING FORK — Each $1.54
Duchess, Baronet

SMALL COLD MEAT OR SARDINE FORK — Each $1.04
Duchess, Baronet
For serving cold fowl, cold meat, fish and salads

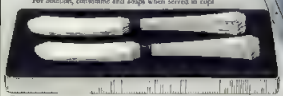
INDIVIDUAL SALAD OR PASTRY FORKS — Set of Six $5.24
Duchess, Baronet



SUGAR SPOON — Each $ .88
Duchess, Baronet

BENT HANDLE BABY SPOON — Each $ .67
Duchess, Baronet

BOUILLON OR CONSOMME SPOONS — Set of Six $4.04
Duchess, Baronet
For bouillon, consomme and soups when served in cups

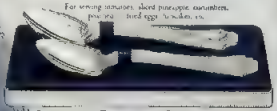


INDIVIDUAL BUTTER SPREADERS . . . . . Set of Six $4.64
Duchess, Baronet
Used with individual bread and butter plates

PICKLE OR OLIVE FORK — Each $1.18
Duchess, Baronet

SERVING OR BERRY SPOON — Each $2.11
Duchess, Baronet
For serving fruits, casserole or baking dishes also used with Cold Meat Fork for salad serving

PIERCED SERVER — Each $2.11
Duchess, Baronet
For serving tomatoes, sliced pineapple, cucumbers, pimentos, hard boiled eggs, bacon, etc.

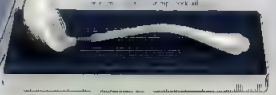


ORANGE OR GRAPEFRUIT SPOONS — Set of Six $3.44
Duchess, Baronet
For oranges, grapefruit and melons

COFFEE SPOONS . . . . . Set of Six $2.04
Duchess, Baronet
For small cup service (demi-tasse)

SHERBET OR FIVE O'CLOCK TEASPOONS
Set of Six $2.04
Duchess, Baronet
For sherbets, ices, sundaes, etc.

OYSTER OR SEAFOOD FORKS — Set of Six $3.46
Duchess, Baronet
For oysters, cocktails, etc.



SALAD DRESSING OR CREAM LADLE — Each $1.21
Duchess, Baronet
For serving salad dressing, whipped cream and pudding sauces

SERVING OR GRAVY LADLE — Each $1.85
Duchess, Baronet

MEDIUM SOUP LADLE — Each $4.24
Duchess, Baronet

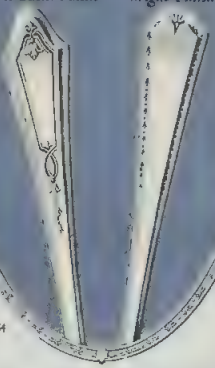
BUTTER KNIFE — Each $ .88
Duchess, Baronet

ICED TEA OR ICED DRINK SPOONS — Set of Six $3.64
Duchess, Baronet
For iced tea and coffee, lemonade or chocolate, etc.

Every Piece shown here furnished in Both Patterns

DUCHESS *Bright Butler Finish*

BARONET *Bright Finish*



PIECES NOT ILLUSTRATED
PACKED IN BLUE LINED GIFT BOXES

Ice Cream Spoons, 6 in box, Per Set $3.44
Duchess, Baronet

Jam Spoon, 1 in box, Each . . 3
Duchess, Baronet

2 Piece Steak Carver, Stainless Per Set $9.22
Duchess, Baronet

3-Piece Child's Set, Flat 2.11
Duchess, Baronet

Butter and Sugar Set 5
Duchess, Baronet

ONEIDA COMMUNITY MADE

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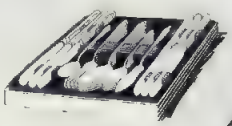
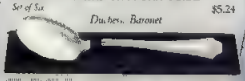


TUDOR PLATE

LARGE COLD MEAT OR SERVING FORK — Each $1.54
Duchess, Baronet

SMALL COLD MEAT OR SARDINE FORK — Each $1.04
Duchess, Baronet
For serving cold fowl, cold meat, fish and salads

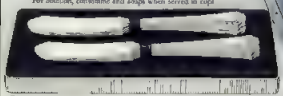
INDIVIDUAL SALAD OR PASTRY FORKS — Set of Six $5.24
Duchess, Baronet



SUGAR SPOON — Each $ .88
Duchess, Baronet

BENT HANDLE BABY SPOON — Each $ .67
Duchess, Baronet

BOUILLON OR CONSOMME SPOONS — Set of Six $4.04
Duchess, Baronet
For bouillon, consomme and soups when served in cups

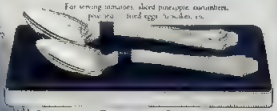


INDIVIDUAL BUTTER SPREADERS . . . . . Set of Six $4.64
Duchess, Baronet
Used with individual bread and butter plates

PICKLE OR OLIVE FORK — Each $1.18
Duchess, Baronet

SERVING OR BERRY SPOON — Each $2.11
Duchess, Baronet
For serving fruits, casserole or baking dishes also used with Cold Meat Fork for salad serving

PIERCED SERVER — Each $2.11
Duchess, Baronet
For serving tomatoes, sliced pineapple, cucumbers, pimentos, hard boiled eggs, bacon, etc.

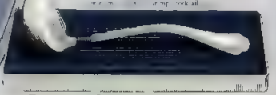


ORANGE OR GRAPEFRUIT SPOONS — Set of Six $3.44
Duchess, Baronet
For oranges, grapefruit and melons

COFFEE SPOONS . . . . . Set of Six $2.04
Duchess, Baronet
For small cup service (demi-tasse)

SHERBET OR FIVE O'CLOCK TEASPOONS
Set of Six $2.04
Duchess, Baronet
For sherbets, ices, sundaes, etc.

OYSTER OR SEAFOOD FORKS — Set of Six $3.46
Duchess, Baronet
For oysters, cocktails, etc.



SALAD DRESSING OR CREAM LADLE — Each $1.21
Duchess, Baronet
For serving salad dressing, whipped cream and pudding sauces

SERVING OR GRAVY LADLE — Each $1.85
Duchess, Baronet

MEDIUM SOUP LADLE — Each $4.24
Duchess, Baronet

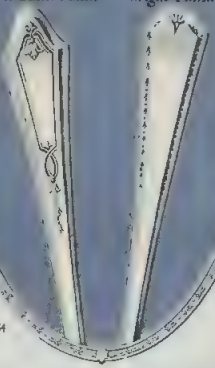
BUTTER KNIFE — Each $ .88
Duchess, Baronet

ICED TEA OR ICED DRINK SPOONS — Set of Six $3.64
Duchess, Baronet
For iced tea and coffee, lemonade or chocolate, etc.

Every Piece shown here furnished in Both Patterns

DUCHESS *Bright Butler Finish*

BARONET *Bright Finish*



PIECES NOT ILLUSTRATED
PACKED IN BLUE LINED GIFT BOXES

Ice Cream Spoons, 6 in box, Per Set $3.44
Duchess, Baronet

Jam Spoon, 1 in box, Each . . 3
Duchess, Baronet

2 Piece Steak Carver, Stainless Per Set $9.22
Duchess, Baronet

3-Piece Child's Set, Flat 2.11
Duchess, Baronet

Butter and Sugar Set 5
Duchess, Baronet

ONEIDA COMMUNITY MADE

TUDOR PLATE is a One Price Line

Carries a 20 Year Replacement Guarantee

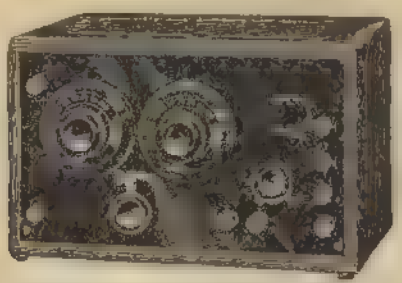
Duchess	*Baronet*	Teaspoons	12 in plain box	Per Doz.	$3.60
Duchess	*Baronet*	Dessert Spoons	12 in plain box	"	6.92
Duchess	*Baronet*	Tablespoons	12 in plain box	"	7.28
Duchess	*Baronet*	Round Bowl Soup Spoons	12 in plain box	"	7.28
Duchess	*Baronet*	Flat Medium Forks	12 in plain box	"	7.28
Duchess	*Baronet*	Flat Dessert Forks	12 in plain box	"	6.92
Duchess	*Baronet*	Embossed Handle Med. Knives	6 in racked box	"	3.16
Duchess	*Baronet*	Embossed Handle Des. Knives	6 in racked box	"	8.96
Duchess	*Baronet*	Hollow Handle Med. Knives	6 in racked box	"	2.68
Duchess	*Baronet*	H. H. Med. Knives (Stainless	6 in racked box		24.80
Duchess	*Baronet*	Hollow Handle Des. Knives	6 in racked box	"	2.28
Duchess	*Baronet*	Embossed Handle Fruit Knives	6 in racked box	"	.72

RADIO EQUIPMENT

MONROE REGENERATIVE RECEIVERS

LICENSED UNDER THE ARMSTRONG PATENTS.

All parts of the Monroe set are carefully designed to secure the greatest efficiency. The tuning elements are shielded with a grounded aluminum plate to prevent the annoying effects of body capacity. Special care has been exercised, even in the position of the leads, to make it the most selective single circuit regenerative tuner on the market. Has an approximate range of 150 miles daytime, 800 to 1000 miles at night.

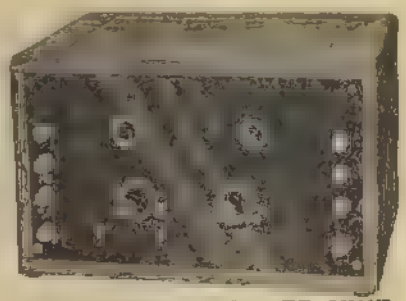


No. 9943E—Mahogany finished case, strongly built, size 11¼×7⅞×7 inches. Tuning consists of a seventeen plate rotary variable condenser and vario—coupler wound with double silk covered copper wire; Filament control rheostat permitting sensitive adjustment, Grid condenser with fixed leak; Primary inductance taps controlled by variable control switch; Bakelite panel and dials plainly marked; Non-loosening sotted nickel plated binding posts; Wave length 180 to 685 meters; Weight each 8 lbs. Batteries, tubes and head are not included. each $49 00

ONE IN A BOX

The Following is Needed to Complete the Above Set:

"A" BATTERIES .....See Page 1255
1—783E or 766E "B" BATTERIES .....See Page 1255
No. 9940E DETECTOR TUBES .....See Page 1258
HEAD SETS .....See Page 1256
ANTENNA WIRE .....See Page 1261
INSULATORS .....See Page 1261
No. 502E LEAD WIRE .....See Page 1282



TWO STAGE AMPLIFIER UNIT.

No. 9944E—Designed for use with 9943E Detector or any single tube detector unit; Mahogany finished case; Dimensions 11¼×7⅞×7 inches; This instrument consists of two high grade audio amplifying transformers, two sockets mounted on a baklite base, and two filament control rheostats permitting sensitive adjustments of the vacuum tubes; This amplifer combines maximum amplification without distortion of signals, quiet operation and simplicity of control; Weight each 8 lbs. Batteries, tubes, and headsets not included .....each $49.00

ONE IN A BOX

The Following is Needed to Complete the Above Set:

No. 9941E AMPLIFIER TUBES .....See Page 1258
2—767E BATTERIES .....See Page 1255

COMBINATION DETECTOR AND TWO STAGE AMPLIFER UNIT.

No. 9945E—This instrument combines the No 9943E Detecor Unit and the No. 9941E Two Stage Amplifier in one Cabinet; Dimensions 22½×7⅞×7 inches; The outfit with its two knob control is easily operated and with the addition of a loud speaker, music can be heard throughout an average size room; has Vernier Rheostat on detector tube. Weight each 16 lbs. Batteries, tubes, and head sets not included .....each $100.00

ONE IN A BOX

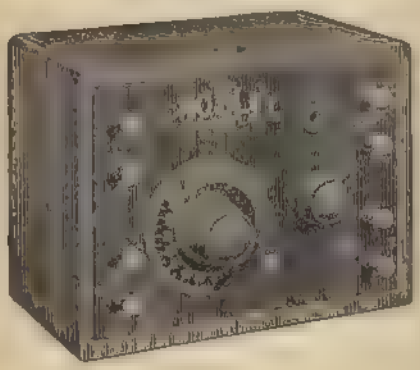
The Following is Needed to Complete the Above Set:

"A" BATTERIES .....See Page 1255
2—767E BATTERIES .....See Page 1255
1—No. 9940E DETECTOR TUBES .....See Page 1258
2—No. 9941E AMPLIFIER TUBES See Page 1258
HEAD SETS .....See Page 1256
ANTENNA WIRE .....See Page 1261
INSULATORS .....See Page 1261
No. 502E LEAD WIRE .....See Page 1282

RADIO EQUIPMENT

RADIO FREQUENCY TUNED AMPLIFIERS

R. F. T. A.



This unit is designed to add one stage of radio frequency to the Harko Senior.

When this unit is used in connection with the Harko Senior, an amplifier tube is used in the Harko Senior Unit with the grid leak and condenser bridged or short circuited. The detector tube is then placed in the radio frequency unit, thus this new unit contains the radio frequency tuner and the detector tube and its control.

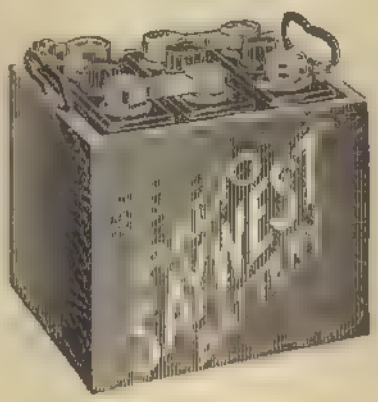
This unit can be added to any of the new type Harko Senior No. V units, and the Crosley Two-Step Audio Frequency Amplifier can be added if desired, making a four-tube set, consisting of one stage of radio frequency, detector and two stages of audio frequency.

The Radio Frequency Unit increases the range and volume of the Harko Senior alone at least ten times, making it far more efficient, easier to tune, having greater range and volume than any type of tuner that we know of coupled with one stage of audio frequency amplificaton. In other words, the combination of the Harko Senior and Radio Frequency Unit are superior to any two-tube set that we know of. This unit also has the advantage of sharper tuning, eliminating interference, and it reduces static to a minimum.

No. F9999E—Size 7½x5¾x4½ in., each 4 lbs., tube, batteries or phones not included .....each★ $12.00

ONE IN A CARTON

SAYWEST "A" RADIO BATTERIES



POLISHED MAHOGANY CASE

These batteries are designed and constructed to give maximum service in Radio Receiving. Equipped with convenient screw type terminals.

Shipment from factory insures fresh stock at all times. They are charged to full capacitiy and are ready for immediate use.

For Radio Sets using one tube amplification a 70 ampere battery is sufficient. For sets using more than one tube amplification, a 90 to 130 ampere battery will give better results.

Guaranteed against defective material and workmanship for two years.

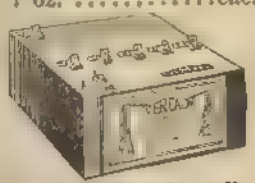
Nos.	F9970E	F9990E
Volts	6	6
Plates	7	9
Ampere	70	90
Length, in.	6½	7 13/16
Width, in.	7⅛	7⅛
Height, overall, in.	9 5/16	9 5/16
W't each, lbs.	32½	40½
Each	$24.00★	28.00★

Nos.	F99110E	F99130E
Volts	6	6
Plates	11	13
Ampere	110	130
Length, in.	9½	10⅜
Width, in.	7⅛	7⅛
Height, overall, in.	9 5/16	9 5/16
W't each, lbs.	48	54
Each	$33.50★	36.00★

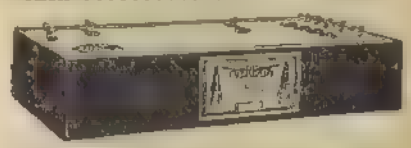
EVER READY "B" BATTERIES

No. 763E—Suitable for use where light w't or small space is essential; contains 15 cells, in waterproof cardboard box with five taps; initial voltage 22½ volts; Length 3⅜ in., width 2 in., height 2⅛ in., w't each 13 oz. .....each $2.10

No. 766E—The most popular size in use; Contains 15 cells of larger size and has long service life; equipped with five positive Fahnestock Spring Clip voltage taps, ranging from 16½ to 22½ volts, making it the most desirable type of use with vaccum detector tubes; Length 6⅜ in., width 4 in., height 3 in., w't each 5 lbs. 7 oz. .....each $3.60



No. 767E—Contains 30 cells of the same size as the 766E. This battery was designed especially for use in connection with vacuum tube receiving sets employing a detector and one or more stages of amplification. In reality it is two 766E Batteries in one box. It is provided with five positive taps ranging from 16½ to 22½ volts for detector tube control, and a 45 volt tap for the amplifier tubes. Terminals are of the Fahnestock spring clip type. Dimensions, length 8 in., width 6⅜ in., height 3 in., w't 9 lbs., each $6.60



No. F746E—Consists of 72 cells, equipped with two coil wire leads enclosed in a wooden box; equipped with Fahnestock clips and gives the following voltages: 16½, 18, 19½, 21, 22½, 45 and 108. It is most widely used in conjunction with loud speaking devices such as Mognavox, where the message must be carried long distances; Length 17 in., width 9 in., height 3½ in.,w't each 20 lbs., each★ $18.00

★ Items Marked Thus ★ Are Shipped From Factory Only.

RADIO EQUIPMENT

BALDWIN HEAD SETS

Manufactured by Nathaniel Baldwin Inc.

The Baldwin mica diaphragm radio telephone headsets are the nearest to perfection among electro—Magnetic receivers. They are used by the U. S. Navy and War Departments and by many foreign governments.

No. 9955E—(type C)—The most popular type of Baldwin receiver. Has large mica diaphragm, 2 5/32 in. in diameter, standard resistance, cloth covered spring steel head band, complete with cord, w't 10 oz.,
per set $18 00

ONE IN A BOX

No. 9956E—Single type C unit with cord, for use with loud speaker horns and phonograph attachments. Has a specially heavy mica diaphragm. This permits power amplification without rattling or cracking of the diaphragm. W't 4 oz. .....each $9.00

ONE IN A BOX

NAVY TYPE HEAD SETS

ELWOOD

A well made standard type for radio work with fully adjustable head band. Covered spring steel bands can be easily shaped to the most comfortable form. All exposed metal parts of head band and receivers are polished nickel finish. Substantially made with polished nickeled brass cups fitted with permanent horse shoe magnets.

Coils have best grade insulated wire and are wound and tested to full resistance. All receivers are rigidly inspected and matched for tone quality.

No. 9922E—2000 Ohms,
per set $10.50

ONE IN A CARTON

Our Very Best is the Very Best.

HEAD SETS

MANHATTAN

Scientifically and carefully constructed, sanitary headband, rubber japanned with no covering, easy to keep clean, adjusted by sliding friction grip, no projections to catch the hair.

The mechanism of the receiver itself is very superior.

The magnets are of tungsten steel, insuring strength of operation with practically no variation.

The correct electrical principles being incorporated into the design, the receivers are of very high efficiency.

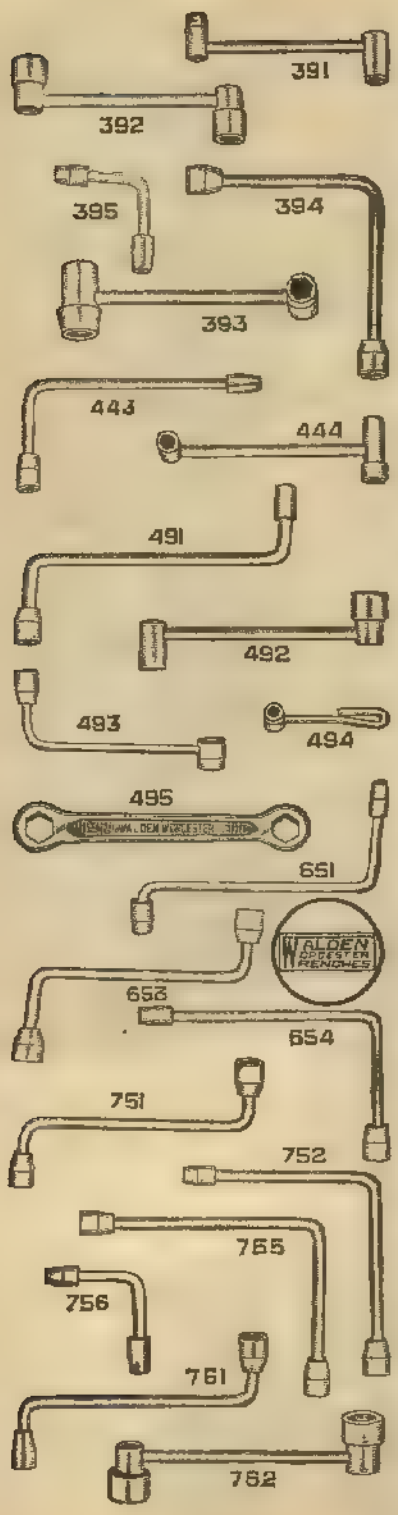
The polarity of the winding is indicated within the case and also on the telephone cords. This assures proper connection of the headset in a vacuum tube circuit. W't per set 1¼ lbs.

No. 9904E—2000 ohms,
per set $9.00

No. 9905E—3000 ohms,
per set $10.50

ONE SET IN A BOX

WALDEN - WORCESTER WRENCHES



1916 DOUBLE END OFFSET WRENCH. Length over all 8". Socket sizes ¼" and ⅜". Recommended specifically for use on Chevrolet, Liberty. Each .72

3926 DOUBLE END OFFSET WRENCH Length over all 9¼". Socket sizes ⅜" and ½" Recommended specifically for use on Buick, Chandler, Chevrolet, Essex, G. M. C., Hudson, Oldsmobile, Republic, Scripps-Booth, Stewart, Stutz. Each .99

3936 QUADRUPLE SOCKET OFFSET WRENCH Length over all 10⅜" Socket sizes ½", 1/16", ⅝", ¾". Recommended specifically for use on Chevrolet, Grant, Paige. Each 1.66

3946 L TYPE WRENCH 8" x 8". Socket sizes ¼" and ⅜". Recommended specifically for use on Cadillac Chandler Chevrolet, Cleveland, Commerce, Dodge Federal, Franklin, G. M C., Haynes, Republic, Selden, Studebaker, Stutz. Each .77

3956 L TYPE WRENCH 4" x 4". Socket sizes ⅜" and 7/16". Recommended specifically for use on: Cadillac, Chalmers, Chandler Chevrolet, Cleveland, Cole, Commerce, Dodge, Dort, Essex, Federal, Franklin, G M C., Grant, Haynes, Hudson, Hupmobile, International, Jordan, Lincoln Mack, Marmon, Maxwell, Mitchell, Nash, Oldsmobile, Paige, Peerless Pierce-Arrow, Reo Republic, Scripps-Booth, Selden Stewart, Studebaker, Stutz, White, Wills St. Claire, Winton. Each .66

4436 L TYPE WRENCH 9¼" x 4½". Socket sizes 5/16" and ⅜". Recommended specifically for use on: Buick, Cole, Lincoln. Each .72

4446 TRIPLE SOCKET OFFSET WRENCH Length over all 9". Socket sizes ½", 9/16" and 5/8". Recommended specifically for use on: Buick, Chandler, Dodge, Grant, Winton. Each .83

4916 DOUBLE END OFFSET WRENCH Length over all 10½". Socket sizes 7/16" and ½" Recommended specifically for use on. Chandler, Cleveland, Essex, Haynes, Maxwell, Pierce-Arrow, Selden, Studebaker. Each .71

4926 DOUBLE END OFFSET WRENCH. Length over all 10". Socket sizes 11/16" and ¾". Recommended specifically for use on: Cole, Maxwell. Each .99

4936 DOUBLE END OFFSET WRENCH. Length over all 8¼" Socket sizes 5/16" and 11/16" or ¾". Recommended specifically for use on: International, Maxwell. Each .72

4946 OFFSET WRENCH. Length over all 5½". Socket size ½". Recommended specifically for use on: Chalmers, Chandler, Chevrolet, Cole, Commerce, Federal, Ford, Franklin, Grant, Jordan, Marmon, Maxwell, Peerless, Pierce-Arrow, Republic, Selden, Stewart, Stutz, Wills St. Claire. Each .44

4956 DOUBLE END BOX TYPE WRENCH. Length over all 10". Socket sizes 1⅛" and 1⅛" Recommended specifically for use on Buick Chandler, Cleveland, Dodge, Dort, G. M. C., Jordan, Lincoln, Mack, Marmon, Maxwell, Mitchell, Oakland, Paige, Pierce-Arrow, Reo, Republic, Scripps-Booth, Selden, Stewart, Studebaker, White Each .82

6516 DOUBLE END OFFSET WRENCH. Length over all 10". Socket sizes 7/16" and ½". Recommended specifically for use on: Dodge, Pierce-Arrow, Stewart. Each .71

6536 DOUBLE END OFFSET WRENCH. Length over all 11". Socket sizes 7/16" and ½". Recommended specifically for use on Buick, Chandler, Cleveland, Cole, Dodge, Essex, Franklin, G. M. C., Grant, Hudson, Marmon, Mitchell, Oldsmobile, Paige, Peerless, Pierce-Arrow, Reo, Republic, Scripps-Booth, Winton. Each .77

6546 L TYPE WRENCH 10" x 6". Socket sizes ⅜" and 7/16". Recommended specifically for use on Dodge. Each .72

7516 DOUBLE END OFFSET WRENCH. Length over all 11¾". Socket sizes 5/8" and 11/16" Recommended specifically for use on: Cadillac, Cleveland, Essex, G M. C., Haynes, Jordan, Nash, Reo, Willys Knight. Each .72

7526 L TYPE WRENCH 8" x 8" Socket sizes ½" and 9/16". Recommended specifically for use on. Cole, Dort, Lincoln, Paige, Scripps-Booth, Stewart, Studebaker, Willys Knight. Each .72

7556 L TYPE WRENCH 10" x 7". Socket sizes 5/16" and ⅜". Recommended specifically for use on Dort Essex, Franklin, Hudson, Hupmobile, Jordan, Lincoln, Mack, Peerless, Stewart, Willys Knight Each .72

7566 L TYPE WRENCH 4" x 4". Socket sizes ⅜" and 7/16". Recommended specifically for use on. Essex, Franklin, G. M. C., Hudson, Lincoln, Oldsmobile, Pierce-Arrow, Selden, Stutz, White, Wills St. Claire, Willys Knight. Each .66

7616 DOUBLE END OFFSET WRENCH. Length over all 10¾" Socket sizes ⅜" and 7/16" Recommended specifically for use on Chalmers Commerce, Dort, Jordan, Liberty, Mitchell, Nash Oldsmobile, Overland, Pierce-Arrow, Scripps-Booth, Stewart Studebaker, Willys Knight. Each .72

7626 DOUBLE END OFFSET WRENCH. Length over all 10¾" Socket sizes 15/16" and 1". Recommended specifically for use on Buick, Cadillac, Chalmers, Chandler Cleveland, Dodge, Dort Essex, Federal, Ford G M C, Haynes Hudson Hupmobile, International, Jordan, Lincoln, Mack Marmon, Maxwell, Mitchell, Nash, Oakland, Oldsmobile, Overland, Peerless Pierce-Arrow, Reo Republic, Scripps-Booth, Selden, Stewart Studebaker, Stutz, White, Willys Knight, Winton Each 1.21

WRENCHES

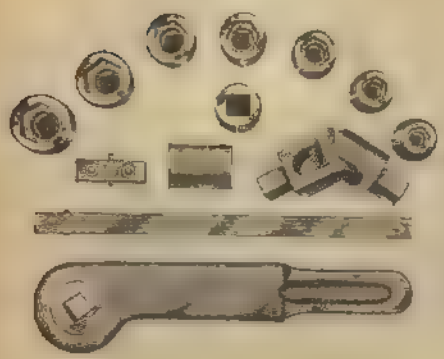
WALDEN SPEED WRENCHES

Long shank brace socket wrenches are used as speed tools in assembling and dismantling cars. Are most efficient when used on a series of the same sized nuts as on cylinder heads. To gain the most time in removing nuts first release the nut with an offset socket wrench, then spin nut off with Brace or Speed Wrench. These tools are big time savers, and are considered indispensable in garages where they have been tried.

No.	Size, in.	Each.
6014G	7/16	$1 20
6016G	1/2	1 20
6018G	9/16	1 20
6019G	19/32	1 20
6020G	5/8	1.20
6022G	11/16	1.20
6024G	3/4	1.20
6025G	25/32	1 20
6026G	13/16	1 20
6028G	7/8	1.20

FIVE IN A BOX, W'T EACH 1¼ LBS.

WRENCH SETS



Set Consists of

No. 516—9 in. Ratchet Wrench
No. 1139—9 in. Extension Bar
No. 1102—Universal Joint
7 Sockets—hexagonal ½, 9/16, ⅝, 11/16, ¾, ⅞, 15/16.
1 Socket—square 9/16.
Box size 10⅝×4⅝×2⅝ in.
Weight 5½ lbs.

No. 5117—8—Per set complete $11.90

WE DO NOT BREAK SETS

WALDEN DOUBLE SOCKET OFFSET

No. 1881G—Socket sizes, 9/16 in. hex. and 9/16 in. square. Length over all, 9 in. bolt nut, w't 1½ lbs., each $1.50

FIVE IN A BOX

No. 2418G—Double Socket Offset Wrench. Length over all 9 in. Socket sizes 9/16 in. and ¾ in. Will Socket sizes 9/16 in. and ¾ in., w't each 1 lb. .....each $1.05

FIVE IN A BOX

WALDEN TEE-FLEX

UNIVERSAL JOINT

Tee Flex Universal joints and sockets have been used in combination with wrenches and are now complete in one solid tool. Will reach nuts otherwise inaccessible.

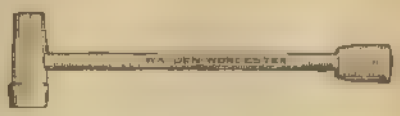
No.	Size, in	Each.
1016G	½	$3 40
1018G	9/16	3.40
1020G	¾	3.40

FIVE IN A BOX W'T EACH 1½ LBS.

WALDEN TRIPLE SOCKET OFFSET

No. 5660G—Triple Socket Offset Wrench. Socket sizes 15/16 in., ¾ in. and 1⅛ in. Length over all 10½ in. Handle particularly designed for heavy duty. Will fit the following: Body bracket bolt and nut, front radius rod nut, front spring perch nut, front and rear spring hanger nut, hub bolt and nut, radius rod bolt and nut, rear spring clip nut, spindle bolt with oiler, spindle connecting rod bolt with oiler, spindle connecting rod bolt nut, w't each 1¾ lbs. .....each $1.60

FIVE IN A BOX



WALDEN TOMAHAWK

Socket sizes ⅞ in. and ½ in. ⅞ This is the original Triple Socket Wrench, having ½ in. rod connecting the two sockets. The sockets are particularly shaped to increase their usefulness. Will fit the following: Axle housing bolt and nut, brake shoe support bolt, cylinder head cap screw, dash bracket to dash bolt and nut, drive shaft roller bearing, stud and nut, water cylinder inlet connection cap screw, water cylinder outlet connection cap screw.

No. 1620G—W't each 1 lb., each $0.95

FIVE IN A BOX

PET-COCK

No. 7375—Pet cock wrench, wire handle 21 in. long, for use in opening oil cock to ascertain oil level without the necessity of crawling or reaching under the cart, w't per doz. 4½ lbs.. per dozen $1.90

DROP FORGED WRENCH SETS

No. 6444—Consists of five semi-finished wrenches for standard hexagon head cap screws, per set $3.10

Includes the Following.

No. Wrench.	For Standard Hexagon Cap Screw Heads Size of Bolt.	Opening Milled.	Extreme Length.	Thickness of Heads.
721	¼ and 5/16	5/16 and ⅜	3¼	5/16
725	¼ and 5/16	7/16 and ½	4⅛	9/32
727	⅜ and 7/16	9/16 and ⅝	5⅛	5/16
731	½ and 9/16	⅝ and 13/16	7⅛	13/32
733	⅝ and ¾	¾ and 1	8⅛	7/16

No. 6446—Consists of ten semi-finished wrenches with capacity for 78 sizes of the most prominent nut, screw and set screw sizes in U. S. Standard, S. A. E. and A. L. A. M. openings .....per set $9.00

Includes the Following.

No. Wrench	U. S. Nuts Dia. S.H.	U. S. Nuts Dia. L.H.	U. S. Cap Screws S.H.	U. S. Cap Screws L.H.	S. A. E. Std. Nuts and Cap Screws	A. L. A. M. Std. Nuts and Cap Screws	Openings Milled
721	¼	...	¼	5/16	.....	¼	5/16 & ⅜
23	5/16	¼	...	5/16	5/16	5/16	15/32 & ¼
725A	...	...	¼	⅜	¼ & ⅜	⅜	7/16 & 9/16
27	5/16	⅜	...	....	.....	7/16	19/32 & 11/16
729	...	...	7/16	½	7/16 & ½	½	⅜ & ½
731B	...	½	9/16	⅝	9/16	9/16	13/16 & ⅞
32	7/16	9/16	...	....	.....	.....	25/32 & 31/32
33C	...	...	...	⅝	⅝ & 11/16	⅝ & 11/16	15/16 & 1
737	...	⅝	⅝	1	⅞	⅝ & ¾	1⅛ & 1¼
33	⅞	⅝	...	....	⅝ & 1	1	1 1/16 & 1 7/16

ONE SET IN A BOX

WALDEN WIRE HANDLE WRENCHES

Wire handle construction and machine turned sockets makes it possible to produce an equally well made and service-tool at much less cost than usual drop forged wrenches. Sockets are steel, machine turned from solid bar and broached accurately to size. Wire handles are proper size and class of material to guarantee service. Sockets are so fastened to the wire they will not turn or loosen.

OFFSET HANDLE

Offset Socket Wrench, 7 in. Handle.

No.	Size, in.	Each.
2514G	7/16	$0.70
2516G	¼	.70
2518G	9/16	.70
2519G	19/32	.70
2520G	⅝	.70
2522G	11/16	.70
2524G	¾	.70
2525G	25/32	.70
2526G	13/16	.70
[illegible]	⅞	.70

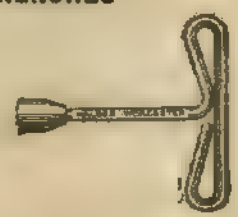
FIVE IN A BOX, WT EACH ½ LB.

TEE HANDLE SOCKET WRENCHES

Long shank, tee handle wrench, 6 in. handle, 12 in. shank.

No.	Size, in.	Each.
2714G	7/16	$0 80
2716G	¼	.80
2718G	9/16	.80
2719G	19/32	.80
2720G	⅝	.80
2722G	11/16	.80
2724G	¾	.80
2725G	25/32	.80
2726G	13/16	.80
2728G	⅞	.80

FIVE IN A BOX, WT EACH 1½ LBS.



Short shank tee handle wrench, 6 in. handle, 6 in. shank.

No.	Size, in.	Each
2614G	7/16	$0.75
2616G	¼	.75
2618G	9/16	.75
2619G	19/32	.75
2620G	⅝	.75
2622G	11/16	.75
2624G	¾	.75
2625G	25/32	.75
2626G	13/16	.75
2628G	⅞	.75

FIVE IN A BOX, WT EACH 1 LB.

Wm. Rogers & Son

"THE BEST AT THE PRICE"

"Reinforced Plate," or an Extra Deposit of Silver where the Wear Comes

LA FRANCE

Gray or Bright Finish

Heavy Plate

Dessert Forks
12 in unlined box, $5.40 dozen

Medium Forks
12 in unlined box, $5.52 dozen

Tea Spoons
12 in unlined box
$3.96 dozen

Dessert Spoons
12 in unlined box, $5.40 dozen

Table Spoons
12 in unlined box, $5.52 dozen

Triple Plate

Medium Knives or Forks, Hollow Handle	$23.40 doz.
No. 50 Medium Knives, Hollow Handle, Stainless Steel Blade	25.56 "
Dessert Knives or Forks, Hollow Handle	22.68 "
No. 3 Dessert Knives, Hollow Handle, Stainless Steel Blade	26.64 "
Breakfast Knives, Hollow Handle	24.60 "

Packed 6 in lined box

Dessert Knives and Forks

Medium Knives or Forks, Solid Handle	$9.96 doz.
No. 42 Medium Knives, Solid Handle, Stainless Steel Tipped Blade	17.16 "
No. 2½ Medium Knives, Solid Handle, Stainless Steel Tipped Blade	16.64 "
Dessert Knives or Forks, Solid Handle	9.36 "
Breakfast Knives, Solid Handle, Cowles and Swages	9.68 "

Packed 12 in unlined box

INTERNATIONAL SILVER CO.

Wm. Rogers & Son

"THE BEST AT THE PRICE"

LA FRANCE

Fruit Knife
Solid Steel, Triple Plated Handles, $3.00
Solid Steel, Triple Plated Pairs, set of six, $3.84
Gray or Bright Finish
Ice Tea Spoon
Packed 12 in unlined box, per doz., $7.28
Extra Plate
Butter Knife
Packed 12 in unlined box, per doz., $7.92
Packed 1 in lined box, .96
Extra Plate
Butter Spreader
Extra Plate, set of six, $4.80
Sugar Shell
Packed 12 in unlined box, per doz., $7.50
Packed 1 in lined box, 9.16
Extra Plate
No. 133 Set, Butter Knife and Sugar Shell in lined box, per set, $1.67
Orange Spoon
Extra Plate, set of six, $4.80
Individual Salad Fork
Extra Plate, set of six, $5.20
Soup Spoon
Packed 1 in unlined box, each, $1.20
Packed 12 in unlined box, per doz., $12.00
Extra Plate
Cold Meat Fork, Large
Extra Plate, each, $1.37
Ladles
Cream, Extra Plate, each, $1.25
Gravy, 1.80
Oyster, 3.50
Medium, 4.75
Bouillon Spoon
Extra Plate, set of six, $4.44
Extra Plate, each, $2.40
Berry Spoon
Extra Plate, each, $4.50
Sugar Tongs
Extra Plate, each, $2.00
Pie Server, Hollow Handle
Each $4.45
Pickle Fork, Long
Extra Plate, each, $1.46
One-half size
Oyster Fork
Extra Plate, set of six, $4.80

Illustrations of sets, about one-fourth actual size

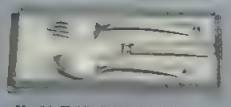
No. 500 F Set, in box, $8.74

6 Solid Handle Medium Knives and 6 Hollow Handle Medium Forks

No. 504 F Dessert Knives and Forks, $8.44

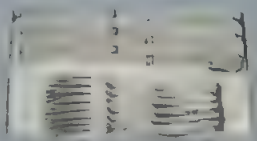
500-4 with No. 42 Stainless Steel Knives, $12.60

500-7 with No. 72 Stainless Steel Knives



No. 10 Child's Set, in lined box, $3.50

Child's Hollow Handle Knife, Flat Fork and Spoon



No. 702 Set, in lined box, $15.92

6 Hollow Handle Medium Knives and 6 Flat Forks

No. 703 Dessert Knives and Forks, $15.30

INTERNATIONAL SILVER CO.

Wm. Rogers & Son

"THE BEST AT THE PRICE"

LA FRANCE

Gray or Bright Finish

No. 785 Case, 26 pieces $20.12
"Elite" Blue Leatherette Case. Blue Velvet Lined to match. Knives fit in cover. Contains 6 Tea Spoons, 6 Table Spoons, 6 Medium Forks, 6 Medium Knives, Hollow Handle, 1 Butter Knife, 1 Sugar Shell.

No. 784 F, same as above, with Solid Handle Knives. $22.06

No. 789, 35 pieces in above case..... $32.76
12 Tea Spoons, 6 Dessert Spoons, 3 Table Spoons 6 Medium Forks, 6 Medium Knives, Hollow Handle, 1 Butter Knife, 1 Sugar Shell

No. 788 F, same as above, with Solid Handle Knives, $25.80

No. 728 Set, 12 pieces $16.54
Blue Leatherette Telescope Box. Blue Lined. Contains 6 Hollow Handle Medium Knives and 6 Flat Handle Medium Forks.

No. 727 F, same as above, but with Solid Handle Knives $9.48

No. 740 F Case, 26 pieces $18.57
Blue Leatherette Compact Case. Blue Velvet Lined. Contains 6 Tea Spoons, 6 Table Spoons, 6 Solid Handle Medium Knives, 6 Medium Forks, 1 Butter Knife, 1 Sugar Shell.

No. 741, same as above, with Hollow Handle Knives $25.48

No. 794 F Chest, 40 pieces $43.90
High Grade Mahogany Finish Chest. Blue Velvet Lined. Knives go in rack in cover. Contains 6 Solid Handle Medium Knives, 6 Medium Forks, 6 Individual Salad Forks, 6 Tea Spoons, 6 Dessert Spoons, 3 Table Spoons, 1 Sugar Shell, 1 Butter Knife, 1 Berry Spoon, 1 Cold Meat Fork, 1 Long Pickle Fork, 1 Gravy Ladle, 1 Cream Ladle.

No. 795, same as above, but with Hollow Handle Knives $50.56

No. 731 F Chest, 26 pieces... $18.57
Blue Leatherette Compartment Drawer Chest, Blue Lined. Contains 6 Tea Spoons, 6 Table Spoons, 6 Medium Forks, 6 Medium Knives, Solid Handle, 1 Butter Knife, 1 Sugar Shell.

No. 732, same, but with Hollow Handle Knives $25.48

Illustrations about one-fifth actual size

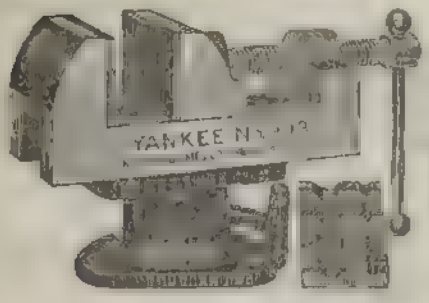
No. 797 Chest, 72 pieces $89.04
Solid Mahogany Chest with Brass Fittings. Blue Velvet Lined. Knife Rack Removable. Contains 6 Hollow Handle Medium Knives, 6 Hollow Handle Dessert Knives, 6 Medium Forks, 6 Dessert Forks, 6 Table Spoons, 6 Dessert Spoons, 12 Tea Spoons, 6 Butter Spreaders, 6 Bouillon Spoons, 6 Individual Salad Forks, 1 Butter Knife, 1 Sugar Shell, 1 Cold Meat Fork, 1 Berry Spoon, 1 Gravy Ladle, 1 Cream Ladle.

No 796 F, same as above, with Solid Handle Knives, $75.90

INTERNATIONAL SILVER CO.

BENCH VISES

YANKEE—DETACHABLE



Mounted on Swivel Base for Use on Bench, and its Upper Part Quickly Detachable for Use on Drill Press, Shaper, etc.

Body and Sliding Jaw are of Cast Iron, with Hardened Steel [illegible] Sliding Jaw [illegible] Two Steel Keys thus Securing Parallel Movement so as to Cause Very [illegible]

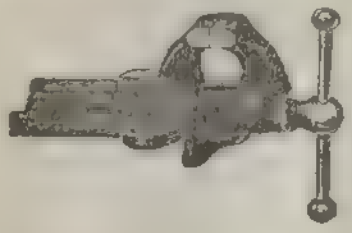
The Screw is of Steel 5/8 inch Diameter, with Acme Thread. The Head on End is 1 1/2 inch Diameter. Sliding Bar, Made of Steel 1/2 inch in Diameter and 4 1/2 inches Long.

Accurately Machined All Over so it can be Used on Either Side or End as well as on its Base.

A Hardened Steel Block is Provided with V Shaped Grooves of Various Sizes for Holding Round or Irregular Shaped Work in Drilling, Shaping, etc.

Nos.	1091	1092	1093
Width Jaws, inches	1 3/4	–	[illegible]
Jaws Open, inches	[illegible]	[illegible]	[illegible]
Depth of Jaws, inches	[illegible]	1 1/4	[illegible]
Length Over All, inches	[illegible]	[illegible]	[illegible]
Height Over All, inches	[illegible]	[illegible]	[illegible]
Weight Each, lbs.	[illegible]	[illegible]	[illegible]
Each	$5 00	7 50	12 50

Loose



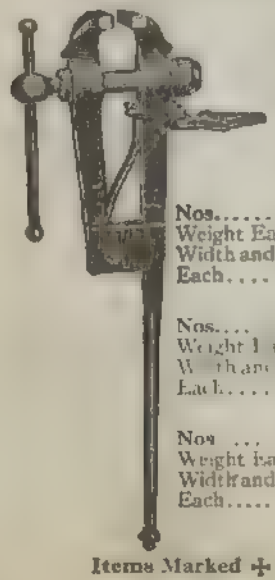
FARMERS
OVAL SLIDE, TO SCREW

Used on Farmers, [illegible] Repair Shops, [illegible] General Work, [illegible] Iron Legs, Round Steel Screw and Sliding Jaw.

Nos.	30	33	34	35
Jaws, in	2 1/2	3	3 1/2	4
Jaws Open, in	4 1/2	5	5 1/2	6
Depth Open, in	2 1/16	2 1/8	2 1/8	3 3/8
Length Closed, in.	10	13	15	16 1/2
Wt. Each, lbs.	6 1/4	13	18	29
Each	$3 80	5 00	6.00	9 00

Loose

BLACKSMITHS VISES



SOLID BOX

Japanned Forged Steel Body; Polished Tool Steel, Welded Jaws; Polished Steel Screw and Sliding Lever, Flat Steel Tempered Spring Malleable Iron Box and Bench Plate.

Nos.	BV35	BV40
Weight Each, lbs.	35	41
Width and Opening of Jaws, in.	3 3/4	4
Each	$10.00	10 50
	11 40	12 00
Nos.	BV45	BV50
Weight Each, lbs.	45	54
Width and Opening of Jaws, in.	[illegible]	[illegible]
Each	$11 00	12 50
	12 60	13 10
Nos.	BV70	BV100
Weight Each, lbs.	70	100
Width and Opening of Jaws, in.	[illegible]	[illegible]
Each	$15 00	22 00
	17 10	23 10

Loose

MACHINISTS VISES

COLUMBIAN
ADJUSTABLE JAW; STATIONARY BASE
Malleable Iron

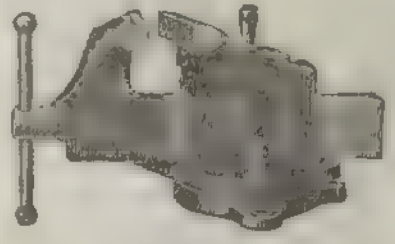
This Vise, Though it has the Adjustable Jaw Feature, Possesses the Strength of the Solid Jaw Vise. The Adjustable-Jaw Feature makes this Vise a Desirable one. By Removing the Pin from the Back of the Jaws it will Swivel to any Required Position, Gripping very Securely any [illegible] Tapered Work. So far as Machine-shop Usage is Concerned [illegible] and the Roughest. In Tool Room where Fine Work is Expected. This Vise will Prove Indispensable.

Nos.	+302	+302 1/2	+303	303 1/2
Width Jaws, in	2	2 1/2	3	3 1/2
Jaws Open, in	[illegible]	[illegible]	4	4 3/4
Weight Each, lbs.	[illegible]	[illegible]	24	28
Each	$14 80	16 80	15 00	16 00
	16 80	19 80	22.00	23 40

Nos.	304	304 1/2	305	305 1/2
Width Jaws, in	4	[illegible]	5	5 1/2
Jaws Open, in	[illegible]	[illegible]	7 1/2	9
Weight Each, lbs.	71	74	78	110
Each	$24 00	27 00	28 00	35 00
	27 80	32 20	41 00	51 20

Nos.	306	307	+308
Width Jaws, inches	[illegible]	7	8
Jaws Open, inches	[illegible]	11	12
Weight Each, lbs.	[illegible]	184	270
Each	$50 00	65 00	86 00
	73 20	95 10	131 60

Loose



COLUMBIAN
ADJUSTABLE SWIVEL BASE
Malleable Iron

The Adjustable Jaw plus the Adjustable Base Make this a very Practical Vise. It is Just as Strong as the Solid Jaw Vise and is not Liable to Breakage. The Jaw Swivels Easily to any Required Position as well as the Base. We can Furnish Smooth Faced Jaws if Desired without Additional Cost to the Purchaser. All Parts of these Vises are Interchangeable.

Nos.	+402	+402 1/2	+403	403 1/2
Width Jaws, in.	2	2 1/2	3	3 1/2
Jaws Open, in.	2 1/2	3	4	4 3/4
Weight Each, lbs.	15	20	24	28
Each	$13 80	16 80	15 00	16 00
	19 80	23 40	25 60	29 30

Nos.	404	404 1/2	405	405 1/2
Width Jaws, in.	4	4 1/2	5	5 1/2
Jaws Open, in.	5 3/4	6	7 1/2	9
Weight Each, lbs.	56	60	78	110
Each	$24 00	28 00	28 00	35 00
	35 10	41 00	51 20	64 40

Nos.	406	+407	+408
Width Jaws, in.	6	7	8
Jaws Open, in.	9 1/2	11	12
Weight Each, lbs.	185	270	360
Each	$80 00	[illegible]	[illegible]
	87 80	109 70	153 60

Loose

Items Marked + Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory, F. O. B. Cleveland, Ohio.

MACHINISTS VISES

COLUMBIAN

SOLID JAW,

SWIVEL BASE;

MALLEABLE IRON

This is a Duplicate of the Vise Shown Below, Except that it Offers an Advantage—the Swivel Base Enables the Vise to be Set to Stand at any Desired Position. Quickly Changed, Adding Greatly to its Efficiency. It is Made of Malleable Iron. All Vises with Larger than 6-inch Jaws are Furnished with Two Swivel Clamping Nuts.

Nos.	†602	†602½	603
Width Jaws, inches	2	2½	3
Jaws Open, inches	3	3½	4½
Depth Jaws, inches	2	2⅜	2⅝
Weight Each, lbs.	12	17	23
Each	$10.50	12 00	14 00
	15 40	17 60	19 00

Nos.	603½	604	604½
Width Jaws, inches	3½	4	4½
Jaws Open, inches	5	6	7
Depth Jaws, inches	2¾	2⅞	3⅛
Weight Each, lbs.	35	44	59
Each	$15 00	17.00	20 00
	22 00	24 90	29 30

Nos.	605	605½
Width Jaws, inches	5	5½
Jaws Open, inches	8	9
Depth Jaws, inches	4	4
Weight Each, lbs.	74	84
Each	$30.00	38 00
	43 90	55 60

Loose

COLUMBIAN

SOLID JAW;

STATIONARY BASE;

MALLEABLE IRON

This Vise will Stand up Under a Strain. With the Exception of Screw and Handle and Tool Steel Faces for Jaws, It is Made Entirely of Malleable Iron and Practically Indestructible. The Screw is Solid Forging. The Handle is Cold Rolled Steel, with Ball Ends Forged from the Solid Rod. A Vise with this Feature Eliminates the Possibility of the Ball Ends Jarring Loose.

Nos.	†502	†502½	503	503½
Width Jaws, in	2	2½	3	3½
Jaws Open, in	3	3½	4½	5
Depth Jaws, in	2	2⅜	2⅝	2¾
Weight Each, lbs.	9	13	20	27
Each	$8 25	9 00	10 00	11 25
	12 10	13 20	14 70	16 50

Nos.	504	504½	505
Width Jaws, inches	4	4½	5
Jaws Open, inches	6	7	8
Depth Jaws, inches	2⅞	3⅛	3½
Weight Each, lbs	36	46	58
Each	$12 75	15 50	20 00
	18 70	22 70	29.30

Nos.	505½	506	†506
Width Jaws, inches	5½	6	6
Jaws Open, inches	9	10	10
Depth Jaws, inches	4	4¼	5½
Weight Each, lbs.	77	82	140
Each	$30 00	39 00	75 00
	43 90	57 10	109 70

Loose

MACHINISTS VISES

COLUMBIAN

ADJUSTABLE JAW;

STATIONARY BASE

MALLEABLE IRON

JAW AND ANVIL

This Vise has a Base that Can be Used Either Stationary or to Swivel, and is Equipped with a Specially Hardened Table to Form an Anvil Back of Jaws; Being Made of Malleable Iron, the Anvil will Not Chip; The Sliding Bar is of Solid Wrought Steel.

Nos.	143	144
Width Jaws, inches	3	4
Jaws Open, inches	3½	6
Weight Each, lbs.	12	30
Each	$5 00	8 25
	Loose 8 40	13 80

YOST

SOLID JAW; SWIVEL BASE

GRAY IRON

This Vise in all Respects is a Duplicate of the One Shown above Except that it is Made with the Swivel Base. The Jaws have Tool Steel Faces. The Slide and Screw are Extra Strong. The Screw is Drop-Forged from One Solid Steel Billet.

Nos.	†202½	203	204
Width Jaws, inches	2½	3	4
Jaws Open, inches	3½	4½	6
Depth Jaws, inches	2⅜	2½	2⅝
Weight Each, lbs.	20	28	53
Each	$12 00	13 00	17 00
	16 80	18 20	23.80

Nos.	†205½	†206	†207
Width Jaws, inches	5½	6	7
Jaws Open, inches	9	10	12
Depth Jaws, inches	4	4¼	5¼
Weight Each, lbs.	118	156	234
Each	$38 00	52 00	70 00
	53 20	72 80	98 00

YOST

SOLID JAW; STATIONARY

BASE; GRAY IRON

Your Requirements for Strength, Reliability, Correct Design and Workmanship in a Vise at a Medium Price are Ably Filled by the Design Shown Here. It is Well Built, Strong and Rigid.

Nos.	†102½	103	103½
Width Jaws, inches	2½	3	3½
Jaws Open, inches	3½	4½	5
Depth Jaws, inches	2⅜	2½	2¾
Weight Each, lbs.	14	22	31
Each	$9 00	10 00	11.25
	12 60	14 00	15 80

Nos.	104	105	†105½
Width Jaws, inches	4	5	5½
Jaws Open, inches	6	8	9
Depth Jaws, inches	2⅞	4	4
Weight Each, lbs.	42	74	103
Each	$12 75	20 00	30 00
	17.90	28 00	42 00

Nos.	†106	†107
Width Jaws, inches	6	7
Jaws Open, inches	10	12
Depth Jaws, inches	4¼	5¼
Weight Each, lbs.	150	214
Each	$30 00	55 00
Loose	54.60	77.00

Items Marked † Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory

MACHINISTS VISES

PARKER ECLIPSE

Cast Iron

[illegible] Body Painted Green, Hardened Steel, Polished Jaw Faces, Machined and Fitted to the Jaws, Polished Slide and Screw Head, Polished Wrought Steel Sliding Handle.

SWIVEL BASE

Nos.	✣P202	✣P203	✣P204
Width Jaws, inches	[illegible]	[illegible]	[illegible]
Jaws Open, inches	[illegible]	[illegible]	[illegible]
Length Closed, inches	[illegible]	[illegible]	[illegible]
Weight Each, lbs.	[illegible]	[illegible]	[illegible]
Each	$14 00	17 00	17 00
	19 00	22 00	24 00

Nos.	✣P205	✣P206	✣P207
Width Jaws, inches	[illegible]	[illegible]	[illegible]
Jaws Open, inches	[illegible]	[illegible]	[illegible]
Weight Each, lbs.	25	[illegible]	[illegible]
Each	$21 00	30 00	[illegible]
	29 30	43 90	76 10

Loose

PARKER

Cast Iron

Body Painted Green, Hardened Steel, Polished Jaw Faces, [illegible] Fitted to the Jaws, [illegible] Slide and Screw Head, Machined Wrought Steel Sliding Handle

STATIONARY BASE

Nos.	✣P102	✣P103	✣P104
Width Jaws, inches	3	3½	[illegible]
Jaws Open, inches	4½	5½	[illegible]
[illegible]	23	35	[illegible]
[illegible]	$10 00	11 25	[illegible]
	14 70	16 50	18 70

Nos.	✣P105	✣P106	✣P107
Width Jaws, inches	4½	5	[illegible]
Jaws Open, inches	7	8	[illegible]
Weight Each, lbs.	61	83	[illegible]
Each	$15 50	20 00	[illegible]
	22.70	29 30	57 10

Loose

PRENTISS

Parallel Self-adjusting Jaws; Welded Steel Faces; Japanned Cast Iron Body; Polished Jaws and Slide Bar; Rear Jaw is Self-adjusting to Hold Odd Shaped Surfaces, but Can be Made Stationary by Inserting Steel Pin Marked "A" in Illustration Above

SWIVEL BASE

Nos.	✣18	✣19	✣19½	✣20
Width Jaws, inches	[illegible]	[illegible]	4	4½
Jaws Open, inches	[illegible]	[illegible]	5¼	6
Length Closed, inches	[illegible]	17¼	17¾	19
Weight Each, lbs.	[illegible]	[illegible]	46	65
Each	$14 00	[illegible]	24 00	28 00
	23 10	29 30	35.10	41 00

Nos.	✣21	✣22	✣23
Width Jaws, inches	5¼	6	7
Jaws Open, inches	8	9	11
Length Closed, inches	24	28	31
Weight Each, lbs.	109	168	270
Each	$44 00	60 00	75 00
	64 40	87 80	109 70

Loose

MACHINISTS VISES

PRENTISS

Parallel Self-adjusting Jaws; Welded Steel Faces; Japanned Cast Iron Body; Polished Jaws and Slide Bar; Rear Jaw is Self-adjusting to Hold Odd Shaped Surfaces, but Can be Made Stationary by Inserting Steel Pin Marked "A" in Illustrations Above.

STATIONARY BASE

Nos.	✣1	✣2	✣2½
Width Jaws, inches	[illegible]	[illegible]	[illegible]
Jaws Open, inches	[illegible]	[illegible]	[illegible]
Length Closed, inches	[illegible]	[illegible]	[illegible]
Weight Each, lbs.	[illegible]	[illegible]	[illegible]
Each	$14 00	16 00	19 00
	19 80	23 40	27 80

Nos.	✣3	✣4	✣5	✣6
Width Jaws, inches	4½	[illegible]	[illegible]	[illegible]
Jaws Open, inches	6	[illegible]	[illegible]	[illegible]
Length Closed, ins.	19	[illegible]	[illegible]	[illegible]
Weight Each, lbs.	5	[illegible]	[illegible]	[illegible]
Each	$27 00	[illegible]	[illegible]	[illegible]
	32 20	51 20	73 20	95 10

Loose

PRENTISS BULLDOG

[illegible] Solid Jaws; Welded Steel, [illegible] Milled Faces; Japanned [illegible] Body; Polished Jaws, with Polished Slide Bar and Screw Head; Polished Wrought Steel Sliding Handle Bar

SWIVEL BASE

Nos.	90	91
Width Jaws, inches	3¼	3½
Jaws Open, inches	4	5½
Length Closed, inches	13½	15
Weight Each, lbs.	28	36
Each	$13 00	15 00
	18.00	22 00

Nos.	82	83	84
Width Jaws, inches	4½	4¾	5
Jaws Open, inches	6	7	8
Length Closed, inches	17	18	20
Weight Each, lbs.	52	64	85
Each	$17 00	20 00	30 00
	24 90	29 30	43 90

Loose

PRENTISS BULLDOG

[illegible] Solid Jaws; Welded Steel, [illegible] Milled Faces; Japanned [illegible] Body; Polished Jaws, with Polished Slide Bar and Screw Head; Polished Wrought Steel Sliding Handle Bar

STATIONARY BASE

Nos.	50	51
Width Jaws, inches	[illegible]	[illegible]
Jaws Open, inches	[illegible]	[illegible]
Length Closed, inches	[illegible]	[illegible]
Weight Each, lbs.	[illegible]	[illegible]
Each	$12 00	[illegible]
	14 70	16 50

Nos.	52	53	54
Width Jaws, inches	[illegible]	[illegible]	[illegible]
Jaws Open, inches	[illegible]	[illegible]	[illegible]
Length Closed, inches	[illegible]	[illegible]	[illegible]
Weight Each, lbs.	[illegible]	[illegible]	[illegible]
Each	$14 00	[illegible]	[illegible]
	16 70	22 70	29 30

Loose

Items Marked ✣ Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory

HEAVY CHIPPING VISES

COLUMBIAN

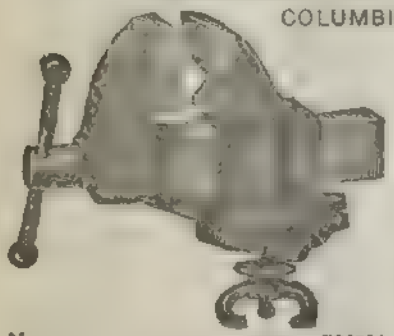
SOLID JAW;
STATIONARY BASE

This Vise is Designed for Extra Heavy Work in Railroad Shops and Steel Mills; The Screw is a Solid Drop-forging; The Handle and Balls are Forged from One Piece of Steel.

Nos.	†107	†108½
Width Jaws, inches	7	8½
Jaws Open, inches	11½	13
Weight Each, lbs.	218	268
Each	$52 10	69 50
Loose	101.60	121 60

COMBINATION PIPE VISES

COLUMBIAN



SOLID JAW;
SWIVEL BASE;
MALLEABLE IRON

The Front Pipe Jaw is Reversible, so that it can be Turned if desired. This means practically Two Sets of Jaws.

Nos.	C203½	C204½	C205
Width of Jaws, inches.	3½	4½	5
Holds Pipe, inches	⅛ to 2½	⅛ to 3½	⅛ to 4½
Weight Each, lbs.	46	72	119
Each	$16 00	22 00	32 00
	26 50	36 50	53.10
Loose			

FILERS VISES

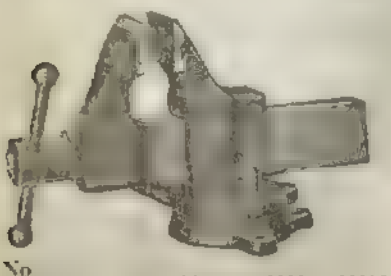
COLUMBIAN

SOLID JAW;

STATIONARY BASE

A very Convenient Tool in a Shop Where there is Much Filing or Particular Finishing to be Done; Although the Jaws are Necessarily High the Scientific Construction Insures the Same Strength as is Found in Machinists Vises.

No.	†725
Width Jaws, inches	5
Jaws Open, inches	7½
Weight Each, lbs.	74
Each	$20.50
Loose	



SWIVEL BASE;

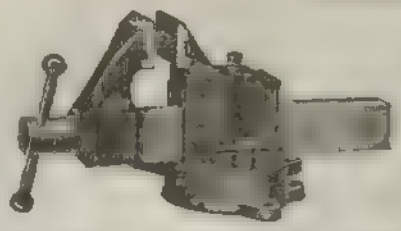
SOLID JAWS

The Swivel Base Style in the Filers Vise Possesses All the Good Features of the Stationary Base Vise, with the Added Convenience of an Adjustable Bottom.

No.	†825
Width Jaws, inches	5
Jaws Open, inches	7½
Weight Each, lbs.	84
Each	$28 00
Loose	41 00

COACHMAKERS VISES

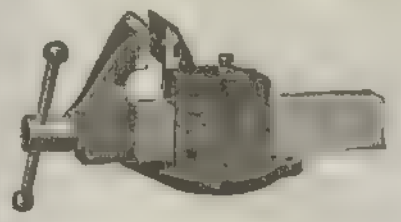
COLUMBIAN



ADJUSTABLE JAW;
SWIVEL BASE;
MALLEABLE IRON

Made to Gauge; Perfect Working and Wearing Conditions are Assured.

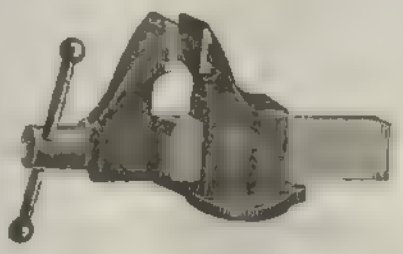
No.	†124½
Width Jaws, inches	4½
Open, inches	10
Weight Each, lbs.	72
Each	$30 00
Loose	43 90



ADJUSTABLE JAW;
STATIONARY BASE;
MALLEABLE IRON

Regardless of the High Jaw, this Design will Stand Up to Its Requirements without Fear of Breaking. The Swivel Jaw will Adjust to Any Tapered or Irregular Piece of Work as Screw is Tightened; All Jaws are Faced with Tool Steel, and Carefully Finished.

No.	† 324½
Width Jaws, inches	4½
Open, inches	9½
Weight Each, lbs.	64
Each	$25 00
Loose	36.60



SOLID JAW;
STATIONARY BASE;
MALLEABLE IRON

Carefully Designed for the Needs of the Coachmaker, Bodymaker and General Shop Requirements; It is Strong, Reliable and as Well made as Machinist Vises. The Tool Steel Faces are Heavy and Wide; Untempered; All Parts are Interchangeable.

No.	124½
Width Jaws, inches	4½
Open, inches	11
Weight Each, lbs.	60
Each	$17.50
Loose	

GOOD VISES ARE AMONG NECESSARY TOOLS IN EVERY MANUAL TRAINING SCHOOL. IT IS IMPORTANT THAT THEY BE WELL MADE. WE CAN SUPPLY YOU WITH THE VERY BEST VISES, MADE FOR VARIOUS USES AND CALCULATED TO MEET EVERY WANT IN THIS DIRECTION.

Items Marked † Not Carried in Stock. Can Only be Furnished by Shipping Direct from Factory, F. O. B. Cleveland, Ohio

1847 ROGERS BROS.

Furnishing the Home with Silverplate

Teach your customers to furnish their homes with silverplate by the "Anniversary Gift" method—on Mother's birthday or wedding anniversary or at Christmas, each succeeding gift adding to the value of what has been given on former anniversaries. This makes *the entire family your customers.*

ANNIVERSARY PATTERN

Cash In on the Anniversary Pattern of Anniversary Silverplate for Anniversary Gifts

All 1847 ROGERS BROS Silverplate is wrapped in our non-tarnish parchment, by which the danger of the silverplate tarnishing is reduced to a minimum

c-6-22

INTERNATIONAL SILVER CO.

1847 ROGERS BROS.

ANNIVERSARY PATTERN

The simple yet rich Colonial design suggests cordial hospitality and the atmosphere of family reunion and anniversary celebration

Table Spoon

Six in Box, Prices per Dozen

Tea Spoons	$9.18	Soup Spoons	$18.36
Dessert Spoons	17.74	Dessert Forks, flat handles	17.74
Table Spoons	18.36	Dinner Forks, flat handles	18.36

Bouillon Spoons, six in blue velvet lined box . . . . . per set, $8.55

Hollow Handles, Nickel Silver, Silver Soldered, Six in Flannel Roll, Prices per Dozen

Dinner Knives	$28.73	Dessert Knives	$28.16	Dinner Forks	$28.78
With Stainless Blades	31.30	With Stainless Blades	30.66	Dessert Forks	28.16

Breakfast Knives. $28.58

8B

ANNIVERSARY PATTERN

Illustrations One-third Scale

Fancy pieces in genuine velvet-lined Gift Boxes without extra charge

No. 615/85 Berry Spoon
Each, $3.76
No. 747/85 Berry Spoon
Small, each, $3 23

No 609 85
Butter Knife
bent handle
Each, $1.85

No 662 85
Cold Meat Fork
Each $2 43
No 666/85
Cold Meat Fork, small
Each, $1.98

No. 608/85
Sugar Shell, each, $1.63
No. 604/85 Butter
Knife and Sugar Shell
Per set, $3 48

No 624/85
Coffee Spoons
Set of six, $4 59

No 722/85
Pickle Fork
Short
Each, $1.74

No 611 85
Gravy Ladle
Each, $2.92
No 610, 85
Cream Ladle
Each, $2 23
No. 613 85
Medium Ladle
Each, $9 04

No 717/85 Salad Forks, individual
Set of six, $9.18

Iced Tea
Spoon
Per dozen
$13.36

No. 647/85
Orange or Grape Fruit Spoons
Set of six, $5 84

No. 652/85 Butter Spreaders
Set of six, $7 51

CC

c-6-22

ANNIVERSARY PATTERN

Illustrations One-third Scale

Fancy pieces in genuine velvet-lined Gift Boxes without extra charge

No. 733/85
Bird or Steak Set, 2 pieces
Per set, $9.18
No. 734/85
Bird or Steak Set, 3 pieces
Per set, $13.36
No. 656/85 Game Set
2 pieces, per set, $15.02
No. 657/85 Carving Set
3 pieces, per set, $19.60
Nickel Silver, Silver Soldered, Hollow Handles, Steel Blades

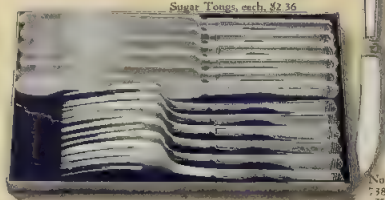
No. 781/85 Ice Cream Forks
Set of six, $7.30

No. 680/85
Sugar Tongs, each, $2.36

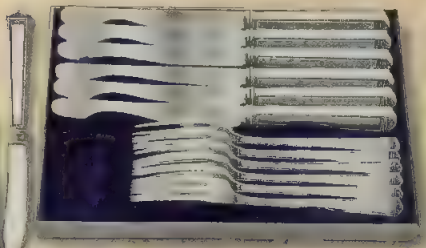
No. 622/85
Oyster Forks
Set of six, $6.05

No. 593/85 Child's Set, 3 pieces
With Nickel Silver, Silver Soldered, Hollow Handle Knife
Per set, $4.59
No. 596/85 Child's Set, 3 pieces
With Embossed Solid Handle Knife, per set, $3.48
No. 116/85 Child's Set, 3 pieces
Per set, $3.76

No. 621/85
Pie or Ice Cream Server, hollow handle
Each, $5.98



No. 154½ Anniversary. Six each No. 64 Dinner Knives and Forks, per set, $12.10
With Stainless Blades, $15.02
No. 157½ Anniversary. Dessert, per set, $11.68
No. 155½ Anniversary. Six each No. 64 Dinner Knives and Anniversary Flat Handle Dinner Forks, per set, $15.22
With Stainless Blades, $18.14
No. 156½ Anniversary. Dessert, per set, $13.98



No. 158½ Anniversary. Six each Hollow Handle Dinner Knives and Flat Handle Dinner Forks, per set, $23.58
With Stainless Blades, $24.82
No. 159½ Anniversary. Dessert, per set, $22.94
With Stainless Blades, $24.20
No. 165½ Anniversary. Six each Hollow Handle Breakfast Knives and Flat Handle Dinner Forks, per set, $23.58
No. 166½ Anniversary. Six each Hollow Handle Breakfast Knives and Flat Handle Dessert Forks, per set, $23.16

No. 738/85
Fruit Knife
hollow handle
Set of six
$14.39

No. 673/64
Fruit Knives
solid handles
Set of six
$5.32

1847 ROGERS BROS.

Furnishing the Home with Silverplate

Teach your customers to furnish their homes with silverplate by the "Anniversary Gift" method—on Mother's birthday or wedding anniversary or at Christmas, each succeeding gift adding to the value of what has been given on former anniversaries. This makes *the entire family your customers.*

ANNIVERSARY PATTERN

Cash In on the Anniversary Pattern of Anniversary Silverplate for Anniversary Gifts

All 1847 ROGERS BROS. Silverplate is wrapped in our non-tarnish parchment by which the danger of the silverplate tarnishing is reduced to a minimum

INTERNATIONAL SILVER CO.

ANNIVERSARY PATTERN

Grey Finish

The simple yet rich Colonial design suggests cordial hospitality and the atmosphere of family reunion and anniversary celebration

Table Spoon

Tea Spoon

ILLUSTRATIONS ACTUAL SIZE

Soup Spoon

Dessert Fork Flat Handle

Dessert Knife Hollow Handle

Put up in Box, Price as per Dozen

B5 + 800.	Tea Spoons	$9.18	B5 803.	Soup Spoons	$18.36
B5 + 801.	Dessert Spoons	17.74	B5 + 804.	Dessert Forks, flat handles	17.74
B5 802.	Table Spoons	18.36	B5 + 806.	Dinner Forks, flat handles	18.36
B5 + 805.	Bouillon Spoons, six in blue velvet lined box			per set	8.55

Hollow Handles Nickel Silver, Silver Soldered, Six in Flannel Roll, Prices per Dozen

B5 + 807.	Dinner Knives	$29.76	B5 + 807.	Dessert Knives	$28.16
B5 + 808.	With Stainless Blades	31.30	B5 + 810.	With Stainless Blades	30.66
			B5 + 813.	Breakfast Knives	828.58

B5 + 811.	Dinner Forks	$28.72	
B5 + 812.	Dessert Forks	28.16	

INTERNATIONAL SILVER CO.

ANNIVERSARY PATTERN

Illustrations One-Third Scale

Fancy pieces in genuine velvet-lined Gift Boxes without extra charge

B5+814
Berry Spoon
Each, $3.76

B5+815
Butter Knife
bent handle
Each, $1.88

B5+816
Cold Meat Fork
Each, $2.43

B5+817
Sugar Shell
Each, $1.63

B5+818
Butter Knife and
Sugar Shell
Per set, $3.48

B5+815
Coffee Spoons
Set of six, $4.59

B5+820
Pickle Fork
Short
Each $1.74

B5+821
Gravy Ladle
Each, $2.92

B5+822
Cream Ladle
Each, $2.33

B5+823
Medium Ladle
Each $3.04

B5+824
Salad Forks individual
Set of six $9.18

B5+825
Iced Tea
Spoon
Per dozen
$13.96

B5+826
Orange or Grape Fruit
Spoons
Set of six, $5.84

B5+827 Butter Spreaders
Set of six, $7.51

ANNIVERSARY PATTERN

Illustrations One-Third Scale

Fancy pieces in genuine velvet-lined Gift Boxes without extra charge

B5+828
Bird or Steak Set
2 pieces
Per set, $9.18

B5+ ■
Bird or Steak Set
2 pieces
Per set $13.38

B5+830
Carving Set
2 pieces
Per set, $19.86

Nickel Silver Silve. Soldered, Hollow Handles, Steel Blades

B5+831
Ice Cream Forks
Set of six, $7.30

B5+832
Oyster Forks
Set of six $6.05

B5+833
Child's Set, 3 pieces
With Nickel Silver, Silver Soldered, Hollow Handle Knife
Per set $4.59

B5+834
Child's Set, 3 pieces
With Embossed Solid Handle Knife
Per set, $3.48

B5+835
Pie or Ice Cream Server hollow handle
Each $5.98

B5+836
Sugar Tongs
Each, $3.36

B5+837 Anniversary Six each Solid Handle Dinner Knives and Forks, per set, $12.10
B5+838, With Stainless Blades, $15.02
B5+839, Anniversary Dessert, per set, $11.68
B5+840, Anniversary. Six each Solid Handle Dinner Knives and Anniversary Flat Handle Dinner Forks
Per set, $15.22
With Stainless Blades, $18.14
B5+841. Anniversary. Dessert, per set, $13.98

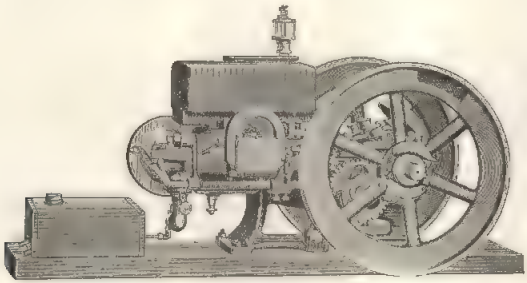
B5+842
Fruit Knife hollow handle
Set of six $4.39

B5+843
Fruit Knife solid handle
Set of six $5.22

B5+844. Anniversary Six each Hollow Handle Dinner Knives and Flat Handle Dinner Forks, per set, $33.58
With Stainless Blades, $34.82
B5+845. Anniversary. Dessert, per set, $23.94
With Stainless Blades, $24.30
B5+846. Anniversary. Six each Hollow Handle Breakfast Knives and Flat Handle Dessert Forks
Per set, $22.56
B5+847. Anniversary Six each Hollow Handle Breakfast Knives and Flat Handle Dessert Forks
Per set, $23.16

GASOLINE AND DISTILLATE ENGINES

ALAMO



1½ HORSE POWER

The 1½ H. P. Engine is a marvel in design and operation. It is the acme of mechanical perfection, being built on the same general lines as our larger types of engines, by an old established firm which has been a successful engine manufacturer for the past quarter of a century. This engine is intended for light work about the farm. Only a very small amount of fuel is required and the cost of operating this engine is extremely small. It is self-contained, easily moved about, does not require bolting down, and may be operated in any place and for any service within its rated capacity. It is shipped ready to run as soon as the crate is removed and the tank filled with gasoline.

Some of the outstanding features incorporated in our 1½ H. P. Engine:

Main Bearings tilted at an angle to lengthen their life.

Bearings on the governor side of the engine are the same as on the plain side.

Governor weight collar is fastened on the outside of the fly wheel so that it can be easily removed without removing or disturbing the fly wheel.

Removable die cast bearings in the crank end of the connecting rod.

Removable brass bushing in the piston end of the connecting rod.

Quick adjustable speed-changer that can be operated for any desired speed while the engine is running.

Hot type of cylinder head to assist in vaporizing fuel, thereby increasing the efficiency of the engine.

Large and finely balanced fly wheels.

Mixer with one adjustment.

Ground and polished crankshaft.

All machine cut gears.

Grease cups on main bearings.

Positive lock grease-cup on the connecting rod.

Case hardened and ground piston wrist pin.

Webster oscillating magneto.

Equipment

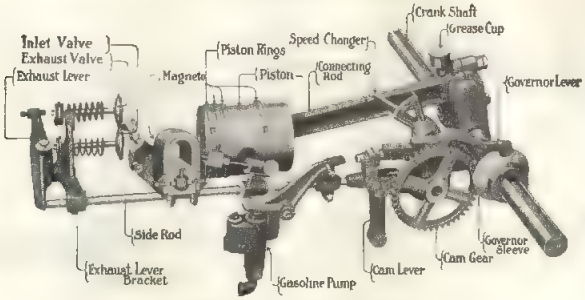
All 1½ H. P. Alamo Stationary Engines are regularly equipped with muffler, Webster oscillating magneto, solid iron pulley, wrenches, oilers and oil can, and a fuel tank of sufficient capacity for one day's run.

Specifications

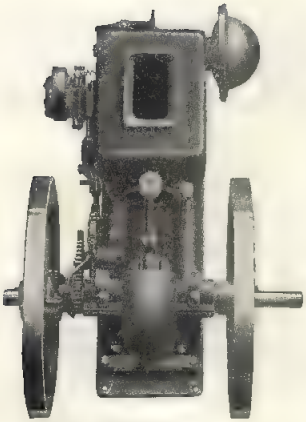
H.P	Speed R.P.M	Floor space	Size pulley. Diam.	Face	Crank shaft	Exhaust pipe	Bore	Stroke	Hopper capacity	Shipping weight	Each
1½	600	21x42 in.	4 in.	4 in	1¼ in.	1 in.	3⅝ in.	4 in.	1½ gals.	270 lbs.	$117.00

One in a crate.

ALAMO ENGINES



Working Parts of the Alamo Engines



Plan View

The Alamo Engine has no parts that are not necessary and nothing has been left off that would add to its service. All parts are made with ample weight and strength where they are subject to wear. All working parts are in plain sight so that the few adjustments that may be required can be made with ease and with the most simple tools. No special mechanical skill is required to operate an Alamo engine and plainly written instructions accompany every engine so that no former knowledge of machinery is required to handle these engines with ease.

The plan view at the side gives a good idea of the simplicity of design. It also shows the distribution of metal, heavy bearings set at a thirty degree angle and the substantial design of the base between the cylinder and main bearings, where the greatest strength is required.

GUARANTEE

The Alamo Engine Co., guarantees that

Every Alamo Engine is constructed of good material, and built in a workmanlike manner.

That each engine is carefully tested and found to develop its rated horse power under continuous load before leaving the factory. Furthermore, The Alamo Engine Co believes in maintaining a liberal policy in the replacing free of charge f o b factory any part or parts that may become broken if breakage results in faulty material or workmanship. However in returning broken parts for inspection all transportation charges must be prepaid.

It is understood that this guarantee does not apply to repairs required because of misuse or natural wear, nor to batteries or accessories. We will allow no bills for repairs

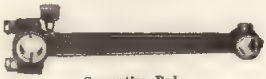
Our engines make good, or we do.

ALAMO ENGINES

Crank Shaft

Crank Shafts—The crank shafts are forged from solid billets of open hearth crank shaft steel. They are carefully machined and ground accurately to size.

Connecting Rod—The connecting rod is of I beam construction, carefully designed of ample length and strength and especially constructed for this service. The piston end is fitted with removable bronze bushings and the crank end of genuine babbitt metal.



Connecting Rod

Carburetor for 3½ to 6½ H. P. Gasoline Engines

Carburetor—The Alamo carburetors are marvels of simplicity and efficiency. Each carburetor is carefully proportioned for the size engine to which it is fitted, and will perfectly control the mixture of gasoline or distillate and air under all conditions of service and climate. The size of the opening of the fuel nozzle inside is controlled by a needle valve which when once set seldom requires any changing regardless of the changes of load or the conditions of the atmosphere. A perfectly working carburetor is of the greatest importance for satisfactory operation of the engine.

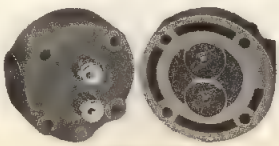
Cylinder and Cylinder Head—All cylinders are cast from a special mixture of charcoal iron which makes a casting of great strength, density and of the greatest wearing qualities. The cylinders are of a pattern which permits of perfect and equal expansion of the cylinder walls so that the cylinder remains perfectly round and straight. The cylinder head is also thoroughly jacketed, and provided with large valves. The valves have cast iron heads and nickel steel stems.

Piston and Rings

Pistons and Rings—The piston is of the trunk pattern, ample length, carefully machined and ground to size. All sizes are provided with four expansion rings perfectly fitted to the grooves in the piston. Oil grooves are also provided to make certain of perfect lubrication of all parts of the piston and rings.

The piston wrist pin is of large size, case hardened, ground and polished, and securely fastened in a manner which makes it quite impossible for it to become loose.

Alamo engines have long been noted for perfect fitting pistons and resultant excellent compression.



Cylinder Head

ALAMO ENGINES

Governor for 1½ to 6½ H. P.

Governor—Alamo Engines govern by the "hit and miss" principle which is now recognized as the most satisfactory manner to govern engines for general hard service. It permits the engine when running on light load to run with a minimum amount of fuel and with the fly wheels, perfectly balanced, and correct working governor, the regulation of speed is exceptionally close.

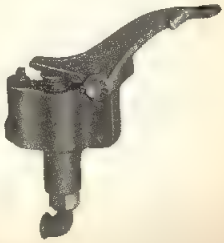
The governor is of centrifugal type. On engines smaller than 9 H. P. the governor is mounted in the fly wheel. The larger sized engines have a fly ball gear driven governor. All have speed regulator so the speed may be varied about 25 per cent. while the engine is in motion and permits the engine to be regulated instantly to the proper speed for various machines.

Governor for 9 H. P. and Larger

Pinion Gear and Cam Gear

Gears and Cam—Only two gears and one cam are used on the Alamo Engine. The gears are machine cut and the cam is ground on a specially designed machine to exact size to insure the perfect movement of the valves and ignition system.

Gasoline Pump—The Gasoline Pump is unique in construction, being operated by a lever so curved as to make its action noiseless. The pump has no packing whatever. The plunger can be easily removed and the ball valve examined without disturbing other working parts of the pump. The gasoline pump for larger engines is slightly different in design and has more capacity.

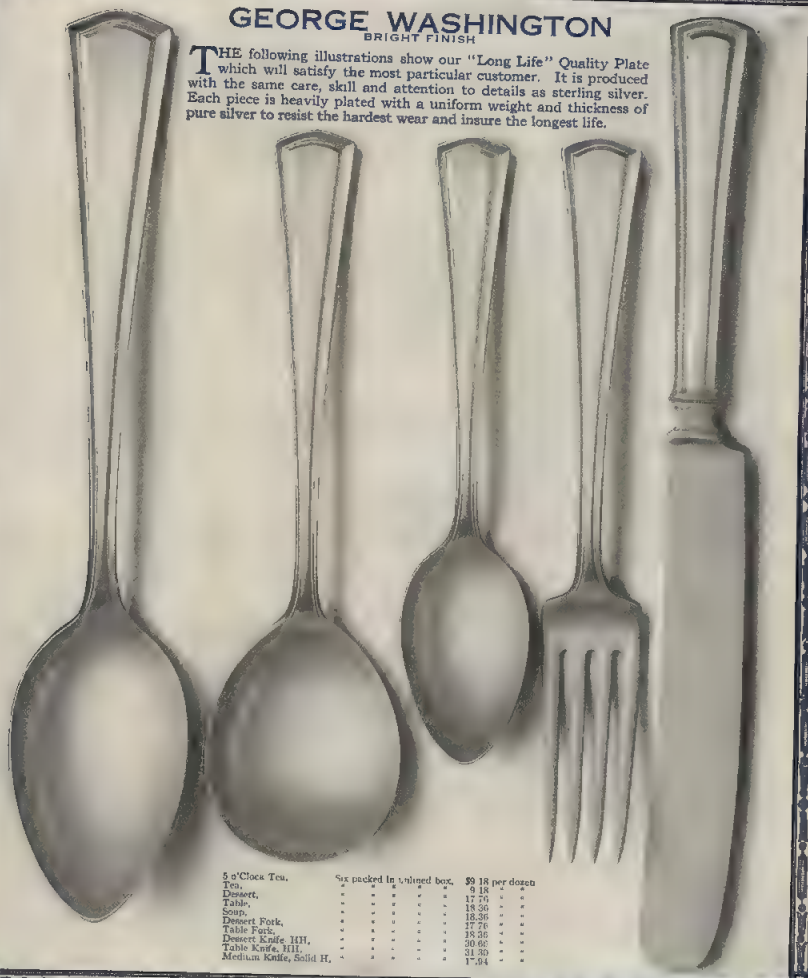


Gasoline Pump for 3½ to 6½ H. P. Engines

ALVIN
THE LONG LIFE SILVER PLATE

GEORGE WASHINGTON
BRIGHT FINISH

THE following illustrations show our "Long Life" Quality Plate which will satisfy the most particular customer. It is produced with the same care, skill and attention to details as sterling silver. Each piece is heavily plated with a uniform weight and thickness of pure silver to resist the hardest wear and insure the longest life.



5 o'Clock Tea,	Six packed in lined box,	$9 18 per dozen
Tea,	" " " " "	9 18 " "
Dessert,	" " " " "	17 76 " "
Table,	" " " " "	18 36 " "
Soup,	" " " " "	18.36 " "
Dessert Fork,	" " " " "	17 76 " "
Table Fork,	" " " " "	18 36 " "
Dessert Knife, HH,	" " " " "	30.60 " "
Table Knife, HH,	" " " " "	31 20 " "
Medium Knife, Solid H,	" " " " "	17.94 " "

ALVIN PATENT

ALVIN

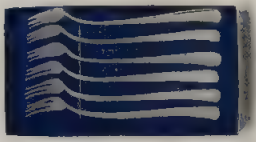
THE LONG LIFE SILVER PLATE

GEORGE WASHINGTON

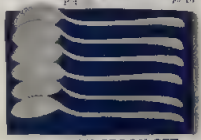
BRIGHT FINISH

INDIVIDUAL SALAD FORK SET
Per set $4.19

FIVE O'CLOCK TEAS
Six in unlined box $4.59
Six in lined box $5.49



OYSTER FORK SET
Per set $6.05



BOUILLON SPOON SET
Per set $5.50

SIX ICED TEA SPOONS
Per set $6.68

CREAM LADLE
Cream Ladle, each $2.23
Gravy Ladle, each 2.92

BUTTER SPREADER SET
Per set $7.50

BUTTER KNIFE
Each $1.85

ORANGE OR GRAPEFRUIT SPOON SET
Per set $6.84

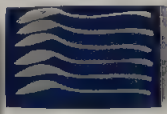
PICKLE OR OLIVE FORK
Each $1.74

SUGAR SHELL
Each $1.44

JELLY SERVER
Each $2.10

BERRY SPOON
Each $2.79

BUTTER KNIFE AND SUGAR SHELL
Per set $3.48



SIX COFFEE SPOONS
Per set $4.80

COLD MEAT FORK
Small, each $2.44 Medium, each $2.15

3 PIECE CHILD'S SET
Hollow Handle Knife, per set $4.42

SHORT HANDLE BABY SET
Spoon and Fork, set $2.40

SUGAR TONGS
Each $2.87

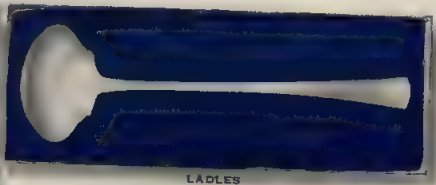
BABY SPOON
Each $1.25

ALVIN PATENT

ALVIN
THE LONG LIFE SILVER PLATE

GEORGE WASHINGTON
BRIGHT FINISH

KNIFE AND FORK SET
6 Hollow Handle Knives, 6 Fine Handle Forks
Table, per set, $25.44 Dessert, per set $24.84
6 Flat Handle Knives and Forks, per set, $18.44



LADLES
Cream, each, $2.23 Gravy, each, $2.92
Soup, each, $9.04

HOLLOW HANDLE PIE SERVER
Each . . . $5.28

HOLLOW HANDLE ICE CREAM KNIFE
Each . . . $7.95

SIX HOLLOW HANDLE FRUIT KNIVES
Per set . . . $14.96

STEAK SET
3 pieces, per set $14.78
Knife blade, 5¼ inches
2 pieces, per set, $9.18
Knife blade, 8½ inches

SIX HOLLOW HANDLE ORANGE KNIVES
Per set $14.89

CHEESE SERVER
Hollow Handle
each, $2.44

BREAD KNIFE
Hollow Handle,
each, $5.14

LARGE CARVING SET

2 Piece Carving Set, Knife Blade 9 inches, per set	$13.08
3 Piece Carving Set, Knife Blade 9 inches, per set	19.60
5 Piece Carving Set, Large Knife Blade 9 inches, Small Knife Blade 7¼ inches, per set	33.53
2 Piece Cutlery Set, Knife Blade 7 inches, per set	13.08

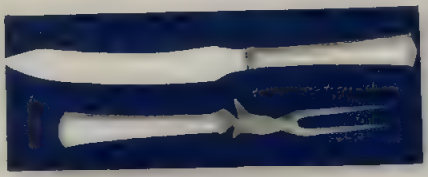
ALVIN PATENT

ALVIN

THE LONG LIFE SILVER PLATE

GEORGE WASHINGTON

BRIGHT FINISH



HOLLOW HANDLE GAME SET
2 Pieces, per set, ... $13.08
Knife Blade 7⅞ Inches

FLAT HANDLE KNIFE AND FORK SET
Per set, ... $18.44

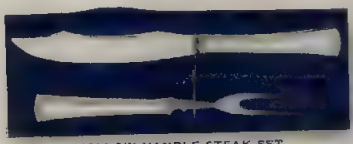
PASTRY FORK SET
Per set, ... $9.18

SHORT HANDLE BABY SPOON
Each, ... $1.25

SHORT HANDLE BABY FORK
Each, ... $1.25

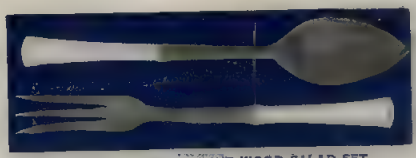
HOLLOW HANDLE TOMATO OR WAFFLE SERVER
Each, ... $0.68

FLAT HANDLE TOMATO OR WAFFLE SERVER
Each, ... $4.17



HOLLOW HANDLE STEAK SET
Knife and Fork, per set, Knife Blade 5¾ Inches $9.18
Knife, Fork and Steel, per set, Knife Blade 8½ inches, . . . 13.78

LADLES
Gravy, Each, ... $2.02
Soup, Each, ... 9.04



HOLLOW HANDLE OLIVE WOOD SALAD SET
Fork and Spoon, per set, ... $9.28

HOLLOW HANDLE CHOP SET
Knife and Fork, per set, ... $6.28

ALVIN PATENT

ALVIN

THE LONG LIFE SILVER PLATE

LANCASTER

PLATINUM FINISH

THE following illustrations show our "Long Life" Quality Plate which will satisfy the utmost particular customer. It is produced with the same care, skill and attention to details as sterling silver. Each piece is heavily plated with a uniform weight and thickness of pure silver to resist the hardest wear and insure the longest life.

Tea,	Six packed in unlined box,	$9 18 per dozen
Dessert	" " " " "	14 76 " "
Table	" " " " "	18 36 " "
Soup	" " " " "	18 36 " "
Dessert Fork,	" " " " "	17 76 " "
Table Fork,	" " " " "	23 56 " "
Dessert Knife, HH,	" " box, (Silver blades),	30 60 " "
Table Knife, HH,	" " " " "	31 20 " "

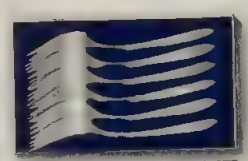
ALVIN PATENT

ALVIN

THE LONG LIFE SILVER PLATE

LANCASTER

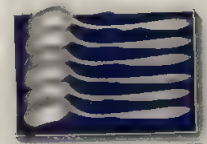
PLATINUM FINISH



SIX INDIVIDUAL SALAD FORKS, SET
Per set $9.18

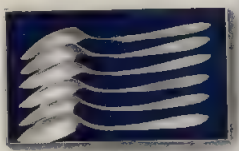
FIVE O'CLOCK TEAS
Six in lined box $4.90
Six in lined box 5.49

SIX OYSTER FORKS, SET
Per set $8.05



SIX BOUILLON SPOONS, SET
Per set $8.56

SIX ICED TEA SPOONS, SET
Per set $6.68



SIX ORANGE OR GRAPE-FRUIT SPOONS, SET
Per set $5.84

SIX BUTTER SPREADERS, SET
Per set $7.50

BUTTER KNIFE
Each $1.55

SUGAR SHELL
Each $1.64

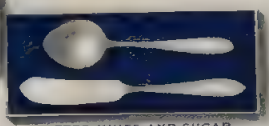
BERRY SPOON
Each $3.70

SIX COFFEE SPOONS, SET
Per set $4.59

LADLES
Cream Ladle, each $2.23
Gravy Ladle, each 2.02

COLD MEAT FORK
Each $2.44

SUGAR TONGS
Each $3.37



BUTTER KNIFE AND SUGAR SHELL, SET
Per set $3.48

ALVIN PATENT

ALVIN
THE LONG LIFE SILVER PLATE

LANCASTER
PLATINUM FINISH

KNIFE AND FORK SET
6 Hollow Handle Knives; 6 Flat Handle Forks
Dessert Size, per set, $24.84 — Table Size, per set, $25.44

SHORT HANDLE BABY SET
Spoon and Fork, set . . $3.50

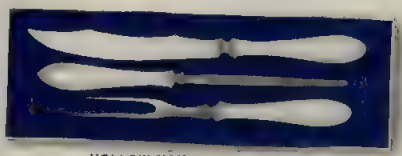
BABY SPOON
Each . $1.25

SHORT HANDLE BABY FORK
Each $1.25

SHORT HANDLE BABY SPOON
Each $1.25

HOLLOW HANDLE PIE SERVER
Each $5.28

3 PIECE CHILD'S SET
Hollow Handle Knife, per set . . . $4.49



HOLLOW HANDLE STEAK SET
3 pieces, per set, $13.78
Knife Blade, 5¼ inches
2 pieces, per set, $9.18
Knife Blade, 5¼ inches

FLAT HANDLE TOMATO OR CUCUMBER SERVER
Each $4.17

JELLY SERVER
Each $2.10

OLIVE SET
Per set $3.84

PICKLE OR OLIVE FORK
Each $1.74

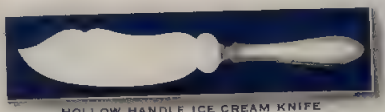
CHEESE SERVER
Hollow Handle, each . . $2.44

OLIVE SPOON
Each $2.10

ALVIN PATENT

ALVIN
THE LONG LIFE SILVER PLATE

LANCASTER
PLATINUM FINISH



HOLLOW HANDLE ICE CREAM KNIFE
Each $7.96

SIX HOLLOW HANDLE ORANGE KNIVES, SET
Per set $18.39

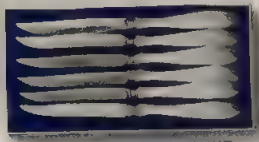
BREAD KNIFE
Hollow Handle
each, $5 14

HOLLOW HANDLE TOMATO OR WAFFLE SERVER
Each $6.68

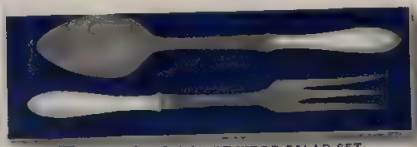
HOLLOW HANDLE CHOP SET
Knife and Fork, per set $6.38

CARVING SET

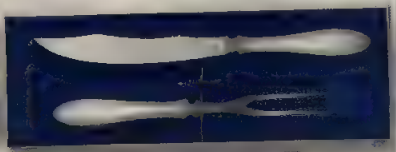
2 Piece Carving Set, Knife Blade 9 inches, per set	$13.08
3 Piece Carving Set, Knife Blade 9 inches, per set	16.60
3 Piece Carving Set, Knife Blade 9 inches, Small Knife Blade 7¾ inches, per set	22.82
2 Piece Game Set, Knife Blade 7¾ inches, per set	13.08



SIX HOLLOW HANDLE FRUIT KNIVES, SET
Per set $13.40



HOLLOW HANDLE OLIVE WOOD SALAD SET
Fork and Spoon, per set $9.20



HOLLOW HANDLE STEAK SET

Knife and Fork, per set, Knife Blade 9 inches	$9 18
Knife, Fork and Steel, per set, Knife Blade 9½ inches	13 75

ALVIN PATENT

ALVIN
THE LONG LIFE SILVER PLATE

GEORGE WASHINGTON
BRIGHT FINISH

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		Six ounces and under	Over six ounces	
5+5579	Tea Spoons,			per dozen
5+5580	Dessert Spoons	"	"	"
5+5581	Table Spoon,	"	"	"
5+5582	Soup Spoon,	"	"	"
5+5583	Dessert Fork,	"	"	"
5+5584	Table Fork,	"	"	"
5+5585	Dessert Knife HH,	"	"	"
5+3256	Table Knife, HH,	"	"	"
5+5587	Medium Knife, Solid H.	"	"	"

ALVIN PATENT

ALVIN
THE LONG LIFE SILVER PLATE

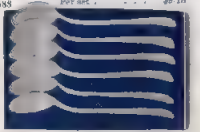
GEORGE WASHINGTON

BRIGHT FINISH

5+5588 INDIVIDUAL SALAD FORK SET
Per set $9.18

5+5589 FIVE O'CLOCK TEAS
[illegible] 49

5+5590 OYSTER FORK SET
Per set $8.05



5+5591 BOUILLON SPOON SET
[illegible] . . .

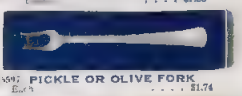
5+5592 SIX ICED TEA SPOONS
Per set $8.68

5+5593 CREAM LADLE
Cream [illegible] . . . $2.23

5+5594 BUTTER SPREADER SET
[illegible] $4.40

5+5595 BUTTER KNIFE
Each . . . $1.85

5+5596 ORANGE OR GRAPEFRUIT SPOON SET
Per set . . . $5.84



5+5597 PICKLE OR OLIVE FORK
Each $1.74

5+5598 SUGAR SHELL
Each $1.64

5+5599 JELLY SERVER
Each $2.10

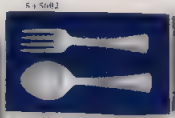
5+5600 BERRY SPOON
Each . . . . . $[illegible]

5+5601 BUTTER KNIFE AND SUGAR SHELL
Per set $3.48

SIX COFFEE SPOONS
Per set $3.50
5+5602

5+5603 COLD MEAT FORK
Large, each . . $2.44 Medium, each $2.15

5+5606 3 PIECE CHILD'S SET
Hollow Handle Knife, per set . $4.42



SHORT HANDLE BABY SET
Spoon and [illegible] set $2.40
5+5604

5+5605 SUGAR TONGS
Each $[illegible]

5+5607 BABY SPOON
Each $1.28

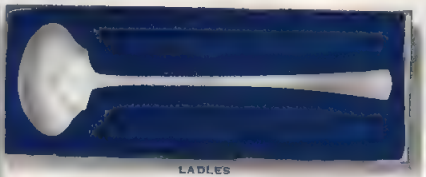
ALVIN PATENT

ALVIN
THE LONG LIFE SILVER PLATE

GEORGE WASHINGTON
BRIGHT FINISH

KNIFE AND FORK SET

5+5608 6 [illegible] Knives, 6 [illegible] Forks
Table, per set, $25.44 5+5609 Dessert, per set $24.84



LADLES

5+5610 Soup, each $[illegible]

HOLLOW HANDLE PIE SERVER

5+5611

5+5612 HOLLOW HANDLE ICE CREAM KNIFE
Each $7.95

5+5613 SIX HOLLOW HANDLE FRUIT KNIVES
Per set $[illegible]

5+5614 STEAK SET
3 pieces, per set $13.75
Knife, Fork, Steak Knife

5+5615 SIX HOLLOW HANDLE ORANGE KNIVES
Per set $14.30

5+5617 CHEESE SERVER
Hollow Handle
each $[illegible]

5+5618 BREAD KNIFE
Hollow Handle,
each $[illegible]

5+5616 LARGE CARVING SET
3 Pieces, [illegible] Knife, Fork and Steel $19.90

ALVIN PATENT

GEORGE WASHINGTON

BRIGHT FINISH

5+5619 HOLLOW HANDLE GAME SET
2 Pieces, per set, ... $13.08
Knife Blade 7 inches

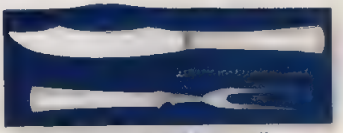
FLAT HANDLE KNIFE AND FORK SET
5+5620 Per set, ... $18.44

PASTRY FORK SET
5+5621 Per set, ... $9.18

SHORT HANDLE BABY SPOON
5+5622
Each, ... $1.25

SHORT HANDLE BABY FORK
5+5623
Each, ... $1.25

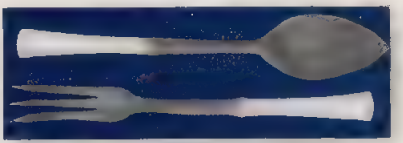
HOLLOW HANDLE TOMATO OR WAFFLE SERVER
5+5624 Each, ... $0.68



5+5625 HOLLOW HANDLE STEAK SET
Knife and Fork, per set, Knife Blade 5½ inches $2.18

LADLES
5+5626 Gravy, Each, ... $2.02

5+5627 HOLLOW HANDLE CHOP SET
Knife and Fork, per set, ... $6.38



HOLLOW HANDLE OLIVE WOOD SALAD SET
5+5628 Fork and Spoon, per set, ... $9.36

ALVIN PATENT

"BAILEY" ADJUSTABLE IRON PLANES

Smooth bottoms, rosewood handles and knobs. Cutters adjustable endwise and sidewise

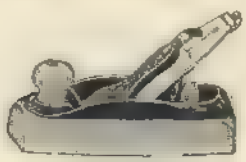
Nos. 2 and 3 Smooth

No. 5 Jack

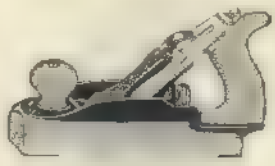
No.	Kind	Length	Cutter	Packed	Weight	Each
2	smooth	7 in.	1⅝ in.	1	2¾ lbs.	$4.60
3	smooth	8 in.	1¾ in.	1	3⅛ lbs.	4.80
4	smooth	9 in.	2 in.	1	3½ lbs.	5.25
5	jack	14 in.	2 in.	1	4¾ lbs.	6.05
6	fore	18 in.	2⅜ in.	1	7¾ lbs.	7.70
7	jointer	22 in.	2⅜ in.	1	8⅛ lbs.	8.80

"BAILEY" ADJUSTABLE WOOD PLANES

Selected beech bottoms, handles and knobs Cutters adjustable endwise and sidewise



No. 24 Smooth



No. 35 Smooth

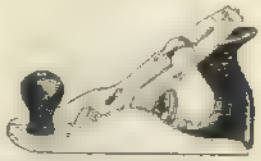
No.	Length	Cutter	Packed	Weight	Each
24	9 in	2 in.	1	2⅞ lbs	$3.45
35	9 in	2 in	1	3¼ lbs	4.05

No. 26 Jack

No.	Length	Cutter	Packed	Weight	Each
26	15 in	2 in.	1	3¼ lbs.	$3.60

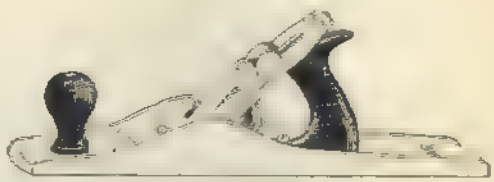
STANLEY ALUMINUM PLANES

These new planes are same as the regular Bailey bench planes, except that the bottoms and frogs are made of aluminum instead of grey iron, resulting in a light and non-rusting tool. Rosewood handles and knobs.



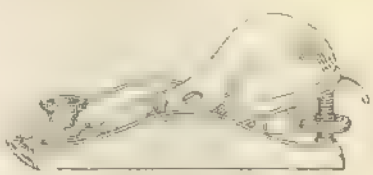
No. A4 Smooth

No. A5 Jack



No. A6 Fore

No.	Kind	Length	Cutter	Packed	Weight	Each
A4	smooth	9 in.	2 in.	1	2½ lbs.	$5.85
A5	jack	14 in.	2 in.	1	3 lbs.	6.60
A6	fore	18 in.	2⅜ in.	1	4¼ lbs.	8.80



No. A18 Block Plane

Bottom and adjustable front made of aluminum Knuckle joint

No. S18 Steel Block Plane

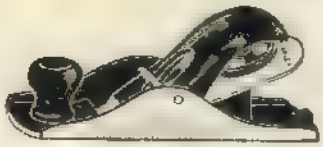
Bottom and adjustable front made of steel. Knuckle joint.

No.	Length	Cutter	Packed	Weight	Each
A18	6 in.	1⅝ in.	1	1 lb.	$3.80
S18	6 in.	1⅝ in.	1	1½ lbs.	3.50

ALBANY HARDWARE & IRON CO.

BLOCK PLANES

No. 102



No. 110

No. 103

No. 220

No. 9½

No. 65½

No. 18

No.	Type	Brand	Length	Cutter	Packed	Weight	Each
102	non adjustable	Stanley	5½ in.	1⅜ in.	1	⅞ lb.	$0.90
110	non-adjustable	Stanley	7 in.	1⅝ in.	1	1¼ lbs	1.25
103	adjustable	Stanley	5½ in.	1⅜ in.	1	[illegible] lb	1.30
220	adjustable	Stanley	7 in.	1⅜ in.	1	1⅝ lbs	1.85
9½	adjustable	Bailey	6 in.	1⅝ in.	1	1 ⅝ lbs.	2.45
65½	adj. low angle	Stanley	7 in.	1⅝ in.	1	1⅜ lbs	2.80
18	adj. knuckle joint	Bailey	6 in.	1⅝ in.	1	1½ lbs	3.05

STANLEY RABBET PLANES

No. 75

No. 98

Nos. 190, 191, 192

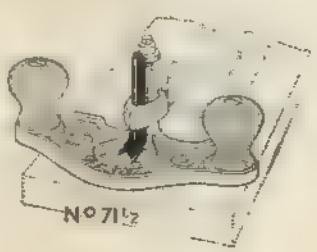
No.	Type	Length	Cutter	Packed	Weight	Each
75	bull nose	4 in.	1 in.	1	[illegible] lb	$0.90
98	side, right hand	4 in.	½ in.	1	[illegible] lb	2.35
190	either hand	8 in.	1½ in.	1	2 [illegible] lbs	3.50
191	either hand	8 in.	1¼ in.	1	2 [illegible] lbs	3.30
192	either hand	8 in.	1 in.	1	2 [illegible] lbs	3.10

STANLEY ROUTER PLANES

No. 71

For surfacing the bottom of grooves or other depressions to a parallel with the surface of the work. Adjustable cutters can be held on the front of cutter post for regular work or on the back for bull nose work

Complete with ¼ and ½ inch and patented smoothing cutters



No 71½

No.	Type	Length	Packed	Weight	Each
71	open throat	7⅛ in.	1	2⅝ lbs	$4.85
71½	closed throat	7½ in.	1	2⅛ lbs	3.80

STANLEY SCRAPER PLANE

Double grip handles of rosewood

Blades are adjustable endwise and for angle, and can be locked in any position desired.

No.	Length	Blade	Packed	Weight	Each
12	6¼ in.	3 in.	1	3¾ lbs.	$5.85

STANLEY PLANES

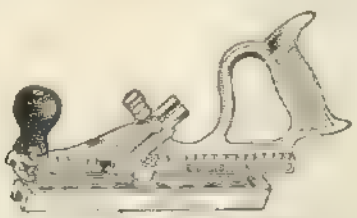
No. 39 Dado. With skew cutters, adjustable depth gauge, and two adjustable spurs.

Length	Cutter	Packed	Weight	Each
8 in.	¾ in.	1	1¾ lbs.	$3.85
8 in.	⅞ in.	1	1¾ lbs.	4.05
8 in.	1 in.	1	1¾ lbs.	4.30
8 in.	1⅛ in.	1	2 lbs.	4.50
8 in.	1¼ in.	1	2 lbs.	4.70
8 in.	1⅜ in.	1	2¼ lbs.	4.90
8 in.	1 in.	1	2¼ lbs.	5.10

No. 46 Dado, Filletster, Matching, Plow and Rabbet

Fitted with spurs, depth gauge and fence. Cutters as follows: plow and dado, ⅛, ¼, ⅜, ½, ⅝, ¾, ⅞, 1¼ in.; filletster, 1½ in.; tonguing, ¼ in. Shtting cutter. Length 10½ in.

Packed, 1 in box, weight, 5¾ lbs..... each, **$11.75**



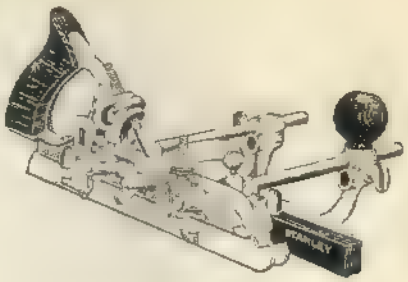
Nos. 48 and 49 Matching

No.	Cuts Groove	In Lumber	Centers	Packed	Weight	Each
48	⅞ in.	¾ to 1¼ in.	on ⅞ in.	1	3¼ lbs.	$6.30
49	⅞ in.	½ to ¾ in.	on ½ in.	1	2⅛ lbs.	6.30

No 78

Duplex, Filletster and Rabbet

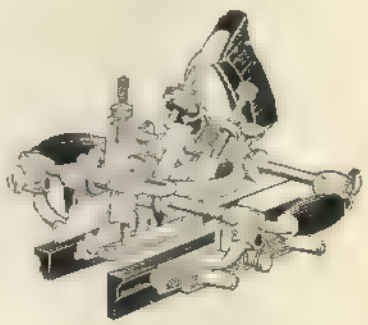
No.	Length	Cutter	Packed	Weight	Each
78	8½ in.	1½ in.	1	3 lbs.	$3.95



No. 45

This tool is a beading and center beading plane, plow, dado, rabbet, and filletster, match plane, sash plane and slitting plane. The plane is fitted with spurs for use across the grain, etc., and can be used either right or left hand. With each plane are furnished twenty-three cutters. A further line of twenty-three cutters and five special bottoms can be furnished for this plane. All metal parts are nickel plated. The handle, knob and fence are made of selected rosewood.

Packed, 1, weight, 9½ lbs.....each **$15.00**



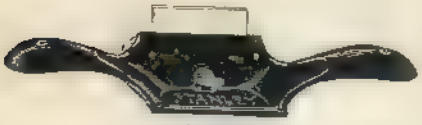
No. 55

This tool is a beading and center beading plane, plow, dado, rabbet, filletster, match, sash, slitting, and a superior moulding plane, and will accommodate cutters of almost any shape and size. The regular equipment sent with the plane comprises fifty-two cutters. A further line of forty-one cutters can be furnished. Cutters of practically any form can be used in the plane, which the owner can make from blanks or order from sketch. All metal parts of the plane are nickel plated. The handle and fences are made of selected rosewood, and every part is well finished.

Packed, 1, weight, 15¼ lbs.....each, **$30.00**

SCRAPERS

HAND



Double Handle, Not Adjustable

Length	Blade	Packed	Weight	Each
11 in.	2¾ in.	1	1¼ lbs.	**$1.55**

"Bennett" Adjustable

Handle	Blade	Packed	Weight	Each
11 in.	3x5 in.	1	1⅛ lbs.	**$1.50**

No. 194 Starrett "Universal"

Adjustable ball joint. Movable guard

Handle	Blade	Packed	Weight	Each
7 in.	2⅜ x 4⅝ in.	1	1¼ lbs.	**$1.25**

CABINET

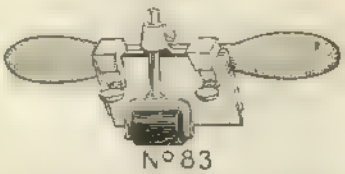
Disston

Size	Packed	Weight	Per Doz.
2 x 5 in	1 doz.	1¾ lbs.	**$1.80**
3 x 4 in	1 doz.	1⅞ lbs.	**1.75**
3 x 5 in	1 doz.	2 lbs.	**1.90**
3 x 6 in	1 doz.	2½ lbs.	**2.50**

Scraper Blades

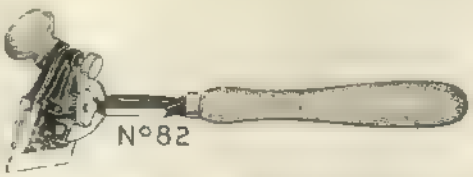
For	Edge	Packed	Weight	Each
12 Scraper plane	2½ in.	½ doz.	1½ lbs.	**$0.50**
71 Box scraper	2 in.	1 doz.	1 lb.	**.25**
80 Cabinet scraper	2¼ in.	1 doz.	1 lb.	**.30**
82 Cabinet scraper	3 in.	1 doz.	⅞ lb.	**.30**
194 Universal scraper	2⅜ in.	1 doz.	3 lbs.	**.25**
8 Ship	5 in.	1 doz.	2 lbs.	**.60**

HAND



Double Handle, Roller Bottom

Length	Blade	Packed	Weight	Each
9½ in.	4 in.	1	1¼ lbs.	**$1.55**



Single Handle, Adjustable

Handle	Blade	Packed	Weight	Each
14½ in	3 in.	1	1¼ lbs.	**$1.60**

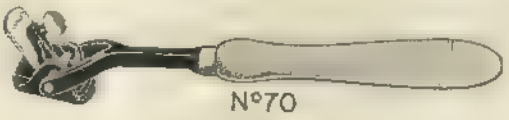
SHIP

No. 8 V. & B.

Triangular blade

Length	Blade	Weight Doz.	Each
17 in. total	5 in. edge	Blades & Hdls. 19 lbs.	**$1.60**

BOX



Hinged Handle

Length	Blade	Packed	Weight	Per Doz
13 in	2 in.	½ doz.	6 lbs	**$14.00**

No. 15

High grade tool steel blade carefully hardened and tempered.

Length	Blade	Packed	Weight	Per Doz.
12½ in.	2 in.	½ doz.	20 oz. each	**$9.00**

BENT SLEIGH RUNNERS

A CORNER OF OUR RUNNER BENDING DEPARTMENT

Our factory capacity enables us to bend all sizes of Runners from the lightest Cutter Runner up to 12 x 4-in. Logging Sleigh Runners, and we always have in stock a varied assortment of all standard sizes ready to ship on receipt of orders.

All our heavy Runners are made of straight grained Oak stock, well seasoned. They are bent carefully to a uniform standard by expert mechanics and are well housed after bending, ensuring their leaving our warehouse in the best condition for immediate use.

EVERY SHOP SHOULD HAVE A FEW SETS OF STANDARD SIZE RUNNERS IN STOCK, READY FOR THE EARLY SEASON TRADE

LIGHT SLEIGH WOODWORK

CUTTER RUNNERS

Made of Selected Hickory

A Pair of Cutter Runners consists of One Piece double the width of a Single Runner. This Piece requires to be ripped to make One Pair.

Height of Bend, 2 ft. 6 in.

Width	Per Pair	Width	Per Pair
1 in.	$4.20	1⅜ in.	$4.70
1⅛ in.	4.40	1½ in.	5.10
1¼ in.	4.60	1⅝ in.	6 00

CUTTER FENDERS

Made of Selected Hickory

Size	Per Pair Dressed Square	Per Pair Rounded
⅞ in.	$2.20	$2.50
7/8 in.	2.40	2.70
1 in.	2.50	2.80

LONG JUMPER RUNNERS

Made of Selected Hickory

Depth	Width	Length	Per Pair
1½	x 1¾	8 ft.	$5 00
1¾	x 1¾	10 ft.	5 60
2	x 1¾	8 ft.	5.30
2	x 1½	10 ft.	5 70

CUTTER DASH POSTS

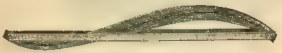


Illustration shows Double Bend Post.
Bent in One Piece 1¼x2½ in.
Each Piece makes One Pair 1¼ x 1¾ in.

	Single Bend	Double Bend
Per Pair	$1.80	$2.00

CUTTER AND SLEIGH BEAMS

CUTTER BEAMS
Three Pieces to Set

Size, inches	2 x 1	2 x 1¼
Per Set	$1.60	$1.80

GROCERY BOB BEAMS
Four Pieces to Set

Size, inches	2¼ x 1¼	2½ x 1½
Per Set	$2.60	$3.10

CUTTER AND SLEIGH RAVES

Illustration shows Bent Grocery Bob Rave

BENT CUTTER RAVES

Size	Per Pair
⅛ x 2 in.	$2.00
⅛ x 4 in.	4 00

BENT JUMPER RAVES

Size	Per Pair Length, 7 ft.	Length, 9 ft.
⅛ x 4 in.	$3 80	$4 30
⅛ x 4½ in.	4 10	4 50
⅛ x 5 in.	4.30	4.90

BENT GROCERY BOB RAVES

Size	Per Pair
⅛ x 4 in.	$3.20
⅛ x 4½ in.	3 40
⅛ x 5 in.	3.60

STRAIGHT GROCERY BOB RAVES

Size	Per Pair
⅛ x 4 in.	$1.26
⅛ x 4½ in.	1 40
⅛ x 5 in.	1 60

CUTTER AND SLEIGH KNEES

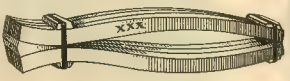


Illustration shows Double Bend Cutter Knee.

BENT CUTTER KNEES
Selected Hickory. Six Pieces to Set.
Either Single or Double Bend

Size, inches	1	1⅛	1¼
Per Set	$3.60	3.80	4 40

GROCERY BOB KNEES
Selected Hickory. Eight Pieces to Set

Price Per Set			
Size, inches	1¼	1⅜	1½
Straight	$2.70	2.90	3.10
Single Bend	4.20	4.40	4.70

FULL BEND KNEES
Selected Hickory. Three Pieces to Set

Size, inches	1⅜	1¾	1⅝	1¾
Per Set	$7.60	8.00	8.50	9.60

SLEIGH RUNNERS

SLOOP SLEIGH RUNNERS

Made of Selected Oak

Height of Bend as Nose, 12 in. Length Over All 7 ft.

Price Per Set of Four Runners

Depth	Width	X	XX
3	x 2 in.	$11.20	$12.50
4	x 2 in.	13.00	14.50
4½	x 2 in.	14.04	15 60
5	x 2 in.	15 20	16.90
6	x 2 in.	17 10	19 00
4½	x 2¼ in.	15 90	17.60
5	x 2¼ in.	16 90	18.80
6	x 2¼ in.	19 00	21 10
4½	x 2½ in.	16 90	18.80
5	x 2½ in.	17 70	19.70
6	x 2½ in.	20 40	22.70
5	x 3 in.	20 80	23 10
6	x 3 in.	23 90	26.50

For Price of 8 ft Runners in any of Above Sizes, **Add 20 Per Cent.** to Above List.

NOTE:

We List "X" Runners subject to being in stock and reserve the right to substitute "XX" quality at "XX" Price.

SAWN SLOOP RUNNERS

Made of Oak. Sawn to Shape

XX QUALITY

Price Per Set of Four Runners

Depth	Width	Length	Per Set
8 in. x	3 in.	8 ft.	$57.40
8 in. x	4 in.	8 ft.	68.60
8 in. x	4 in.	9 ft. 6 in.	80.00

QUICK BEND BOB RUNNERS

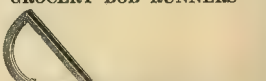
Made of Selected Oak

Quick Bend Runners are higher in the Bend than Sloop Runners and slightly less Bend than Grocery Bob Runners.

Price Per Set of Four Runners

Depth	Width	Length	Per Set
2½	x 1½ in.	6 ft.	$ 8.80
2¾	x 1¾ in.	6 ft.	11.00
3	x 2 in.	6 ft.	11.00

GROCERY BOB RUNNERS



Made of Selected Hickory. Length 6 ft.

Price Per Set of Four Runners

Depth	Width	Per Set	Depth	Width	Per Set
1¼	x 1 in.	$7.00	2	x 1¾ in.	$ 9.80
1½	x 1½ in.	7.30	2	x 2 in.	9.80
1¾	x 1¾ in.	7 70	2½	x 2 in	10.70
2	x 1½ in.	8.80	2½	x 2 in.	11.20

LORRY HUB RUNNERS

Made of Oak. Nose Bent

XX QUALITY

Price Per Set of Four Runners

Depth Centre	Width	Height Finished Bend	Length	Per Set
7 in.	2½ in.	18 in.	6 ft.	$26 00

SLOOP SLEIGH WOODS

Complete in White. Ready to Iron

Made of Oak throughout, with Bent Runners
Price per Complete Set, including Tongue

Runners	Front Bench	Rear Bench	Front Bolster	Rear Bolster	Rollers	Reach	Tongue	Per Set
5 x 2 in.	3⅛ x 8 in.	3⅛ x 8 in.	4 x 5 in.	3½ x 4½ in.	3½ in.	2 x 3¾ in.	3¾ x 3¾ in.	$53 00
6 x 2 in.	4½ x 8 in.	3½ x 8 in.	4 x 5 in.	4 x 5 in.	3½ in.	2 x 3¾ in.	3¾ x 3¾ in.	55 00
6 x 2½ in.	5 x 8 in.	4½ x 8 in.	5 x 6 in.	4 x 5 in.	3½ in.	2¼ x 4 in.	4 x 4 in.	65 00

Why not Iron off a few sets of Sleighs during the dull winter season and have them ready for sale the following autumn? It doesn't cost much to carry them a few months, and the present selling prices of Factory Sleighs allow a good margin for profit.

SLEIGH WOODWORK

SAWN SLEIGH BENCHES

Made of Oak. Sawn to Shape

Width	Depth	Each	Width	Depth	Each
3	x 8 in.	$4 10	5	x 8 in.	$6.20
3½	x 8 in.	4 60	6	x 8 in.	7 20
4	x 8 in.	5 00	7	x 8 in.	8.30
4½	x 8 in.	5.70	8	x 8 in.	9 30

FRONT SLEIGH BOLSTERS

Made of Oak. Length 4 ft.

Illustration shows Half-Finished Bolster

HALF-FINISHED				BORED AND MORTISED			
Size	Each	Size	Each	Size	Each	Size	Each
3 x 4 in.	$2.70	4 x 5 in.	$3.80	3 x 4 in.	$3.60	4 x 5 in.	$4 60
3½ x 4 in.	3 00	5 x 6 in.	5 30	3½ x 4 in.	3.90	5 x 6 in.	6.10
3½ x 4½ in.	3 20	6 x 6 in.	6 10	3½ x 4½ in.	4.20	6 x 6 in.	9.00
4 x 4 in.	3 20			4 x 4 in.	4.20		

HIND SLEIGH BOLSTERS

Made of Oak. Length 4 ft.

Illustration shows a Bored and Mortised Bolster

HALF-FINISHED				BORED AND MORTISED			
Size	Each	Size	Each	Size	Each	Size	Each
3 x 4 in.	$2.70	4 x 5 in.	$3.80	3 x 4 in.	$3 60	4 x 5 in.	$4 60
3½ x 4 in.	3 00	5 x 6 in.	5 30	3½ x 4 in.	3.90	5 x 6 in	6 10
3½ x 4½ in.	3.20	6 x 6 in.	6.10	3½ x 4½ in.	4.20	6 x 6 in	9 00
4 x 4 in.	3.20			4 x 4 in.	4.20		

SLEIGH ROLLERS

Made of Oak. Illustration Shows Roller, Tapered, Rounded and Gained

Price Each

Size	Dressed and Gained	Tapered, Rounded and Gained
3¼ x 3¼ in.	$2.00	$2.50
3½ x 3½ in.	2.00	2.50
4 x 4 in.	2.40	3.00

SLEIGH BOLSTER STAKES

Made of Oak, with Turned Shank

Size	Length over all	Per Doz.
1¾ x 2¼ in.	15 in.	$6.00

STRAIGHT SLEIGH REACHES

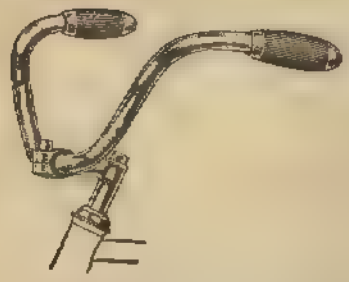
Length 3 ft. Dressed Four Sides

Size	2 x 4 in.	2 x 5 in.	2½ x 6 in.
Each	$1.40	1.70	2.30

BENT SLEIGH REACHES

Size 2¼ x 5 in. **Each** $4.40

BICYCLE HANDLE BARS

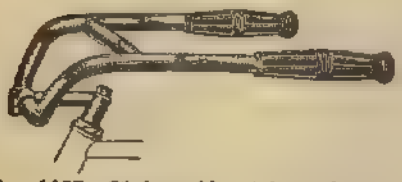


No. 1103—22 in. wide, 6 in. raise, no forward bend, without stem and grips, w't each 1½ lbs., each $1.34

LOOSE

No. 1104—30 in. wide, full curve pattern, drop 4½ in., forward bend 1 in., without stem and grip, w't each 1 lb. .....each $1.26

LOOSE



No. 1107—21 in. wide, 4 in. raise, no forward bend, made of heavy gauge material with cross bar, extra strong, for motorcycle style bicycles. w't each, without grips, 4 lbs., complete with stem.....each $3.06

LOOSE

These tops are made of the highest quality of seamless steel tubing, heavily nickel plated on copper, buffed and finished in the best possible manner. May be used as upturn or drop bars.

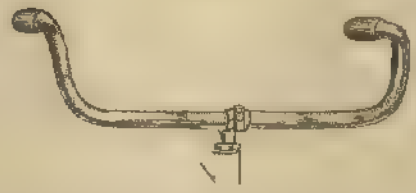
No. 1105—Width 24 in., drop 8 in., without stem and grips, w't each 2½ lbs. .....each $1.34

LOOSE

Will add to the beauty of any bicycle.

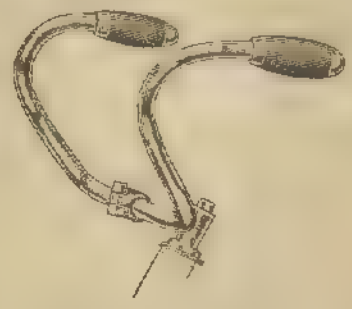
No. 1109—22 in. wide, drop 7½ in., no forward bend, without stem and grips, w't each 2 lbs....each $1.34

LOOSE



No. 1110—20 in. wide, drop 6 in., forward bend 3 in., without stem and grips, w't each 3 lbs. ....each $1.50

LOOSE



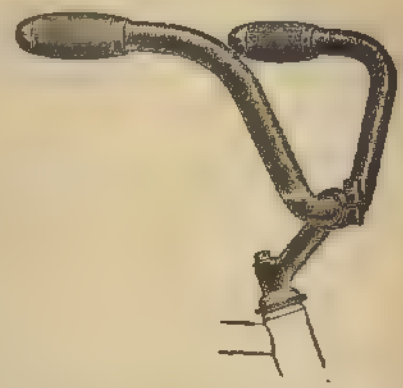
No. 1111—Lawson pattern, 18 in. wide, raise or drop 6 in., forward bend 3 in., without stem and grips, w't each 2 lbs. .....each $1.32

LOOSE

MOTORCYCLE PATTERN

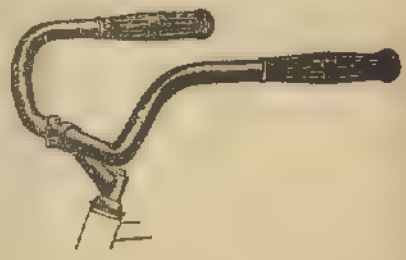
No. 1106—20 in. wide, 6 in. raise, 4 in. straight center and grip end straight for 4½ in., without stem and grips, w't each 2½ lbs., each $1.34

LOOSE



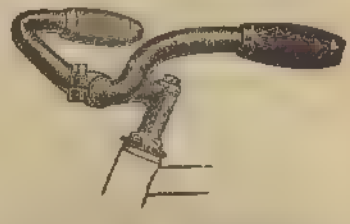
No. 1100—19½ in. wide, drop 6 in., no forward bend, without stem and grips, w't each 2 lbs., each $1.28

LOOSE



No. 1108—22 in. wide, 4 in. upturned rise, no forward bend, 8 in. straight center, extends backward 7½ in., without stem and grips, w't each 2½ lbs. .....each $1.21

LOOSE



SCHINNEER JUVENILE, drop 8 in., forward bend 1½ in., with adjustable expander, ⅞ in. stem, without stem and grips, w't each 1½ lbs.

Nos.	1102	1101
Width, in.	18	20
Each	$1.00	1.04

LOOSE

KELLEY HANDLE BAR TOPS

These bars are made from the best materials obtainable and are triple nickel plated over copper plate. All bars are beautifully finished which adds to the beauty of the bicycle and will not rust.

SPECIAL REVERSIBLE BAR

No. 1140—4203½—20 in. wide, 3½ in. raise, 2½ in. forward curve, less stem and grips, w't each 2 lbs., each $1 40

LOOSE

ENGLISH BOX REVERSIBLE TOP

No. 1141—12206—20 in. wide, 6 in. raise, no forward curve, less stem and grips, w't each 2 lbs., each $1.56

LOOSE

BOY SCOUT

No. 1142—21½—21½ in. wide, 4¾ in. raise, no forward curve, 8 in. front to back, less stem and grips, w't each 2 lbs. .....each $1.48

LOOSE

No. 1143—5203½—20 in. wide, 3½ in. raise, 1 in. forward curve, less stem and grips, w't each 2 lbs., each $1.30

LOOSE

RACING MODELS

Less stem and grips, 7 in. drop.

No. 1144—B156½—**Belgium,** 15 in. wide, 4 in. forward curve, w't each 1¾ lbs. .....each $1.84

No. 1145—**Kramer,** 17 in. wide, 3½ in. forward curve, w't each 2 lbs., each $1.90

LOOSE

KELLY UNIVERSAL LOOP STEM

No. 1149—7—2½ in. extension, triple nickle plated on copper. Permits the adjustment of your handle bars to any desired position, without removing the grips. W't each ½ lb., each $2.20

LOOSE

Our OVB and Hibbard Tools are made by skilled workmen from Best Materials, with an Accurate Knowledge of the Requirements of each article.

That every Article bearing these brands shall be the Best of its kind on the Market has been our constant Aim.

How well we have Succeeded is Shown by the Greater Number of Merchants who have Adopted these Brands as Their Standard and by the Increased Sales of Each.

Will you make these Slogans your Slogans?

"Our Very Best is The Very Best."

"We Always Stand Behind the Brand."

SADDLE CLAMPS

No. 1025—Nickel plated forged steel, w't per doz. 1 lb. ..per dozen $2.40

LOOSE

No. 1026—Chalfant, loose, nickel plated and polished, for wire, for 1 or 1⅛ in. tubing, w't per doz. 4 lbs., per dozen $6.40

ONE IN A BOX

SADDLE SEAT POSTS

No. 1027—Forward L, with expander, nickel plated, 3 in., top; 5⅝ in. long, ⅞ in. diam., w't ⅔ lbs., only $0.96

LOOSE

No. 1024—Forward L with expander (fits all our bicycles) 13/16 in. diam., 3 in. top, long, w't per doz. ⅔ lbs. .....only $0.96

LOOSE

REAR L SEAT POSTS

Nickel plated, length 6 in., rear extension 3 in., w't ⅔ lbs.

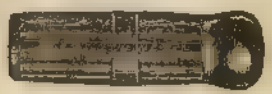
Seat post can be turned to rear of bicycle, as extension is horizontal.

No. 1028—⅞ in. .....each $1.00

No. 1029—13/16 in. .....each $1.00

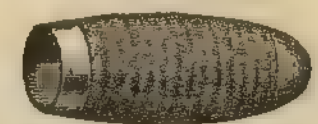
LOOSE

BICYCLE HANDLE BAR GRIPS



No. 1403—4 in. long, made of gray rubber, hollow so that it can be cemented on the handle bar, w't per doz. prs. 8 lbs., per dozen pairs $2.88

ONE PAIR IN A BOX



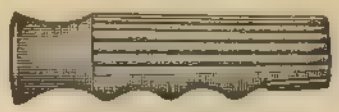
No. 1408—4¾ in. long, wound leather body, cherry stained wood cap and nickel plated ferrule, w't per doz. prs. 1⅔ lbs..per dozen pairs $2.16 A very popular grip.

ONE DOZEN PAIRS IN A BOX

BICYCLE HANDLE BAR GRIPS

No. 1404—3¾ in. long, made of corrugated gray rubber and furnished with nickel plated ferrules, w't per doz. prs. 8 lbs., per dozen pairs $3.60

LOOSE



Gripwell.

This grip is superior to any grip on the market. Made entirely of rubber, no fabric is used, so pliable that the ends can be turned over without danger of splitting. Will not dry or crack. So designed that fingers fit naturally, making it comfortable when riding.

No. 1400—4⅞ in. long, made of gray rubber, w't per doz. prs. 10 lbs., per dozen pairs $3.60

ONE PAIR IN A BOX

Length 5½ in., hollow part way so that it will fit handle part way, w't per doz. prs. 9 lbs.

No. 1401—Gray rubber, per dozen pairs $3.60

No. 1402—Red rubber, per dozen pairs $3.84

ONE PAIR IN A BOX

Sponge Rubber.

No. 1405—3¾ in. long, made of sponge rubber, closed ends, w't per doz. prs. 6 lbs. .....per dozen pairs $5.04

TWELVE PAIRS IN A BOX

Leather.

No. 1409—Bull Dog, light, strong wood core covered with cowhide, stitched and cemented on, accurately molded to form, and the seam sunk into a groove in core, leaving a smooth surface, heavily nickeled brass ferrules, ⅞ in. inside diameter, 6½ in. long, w't per doz. pairs 3⅔ lbs. per dozen pairs $5.04

TWELVE PAIR IN A CARTON

HANDLE BAR STEMS

No. 1125—Used on Juvenile and ladies bicycles. Diam. ⅞ in., with expnader, w't each 10 oz....each $0.74

LOOSE

No. 1126—Used on boys and mens bicycles. ⅞ in., with expander, w't each 14 oz. .....each $0.76

LOOSE

No. 1127—⅞ in. in diam., fits any bicycle handle bar, stem raises the handle bar about 2 in. higher than other stems will allow, without giving the wheels an awkward appearance, w't 15 oz. ....each $0.86

LOOSE

HANDLE BAR STEM PARTS

No. 1130 No. 1131 No. 1132

No. 1130—Expander bolt only, per dozen $0.80

No. 1131—Expander plug only, per dozen $0.80

No. 1132—Handle bar clamp screws, per dozen $0.80

LOOSE

BICYCLE PEDALS

No. 1497-11 — Standard Rat-Trap Men's Pedal. A durable easy running pedal in a neat design. Main bearings are machined turned. Nickel plated finish over copper plate to resist rust. Size 3¾×2 in. W't per pair 13 oz. ..per pair $1.10

No. 1496-11—Comb. Ladies' Pedals, with rubber inserts, otherwise same as No. 1497. W't per pair 14 oz., per pair $1.40

ONE PAIR IN A BOX

No. 1498-12 — Standard Rat-Trap Boys' Juvenile Pedal. This pedal is recommended on Juvenile Bicycles on account of its narrow tread. Size 3¼×1⅞ in. W't per pair 12 oz., per pair $1.10

No. 1499-12 — Comb. Girls' Juvenile Pedal with rubber insert, otherwise same as No. 1498. W't per pair 13 oz. .....per pair $1.40

ONE PAIR IN A BOX

No. 1500-4—Star Racing Pedal. Extremely light weight, specially adapted to low hanging cranks. Axles and cones turned from solid stock, hardened to the degree that gives longest service. Bearings perfectly adjusted. Pedal is nickel plated over copper plate. W't 14 oz., per pair $1.60

ONE PAIR IN A BOX

BICYCLE PEDALS

A popular model rubber pedal. It embodies the easy replacement features so popular in the earlier models. Equipped with 3/16 in. balls, assembled withm a container. Constructed so as to eliminate the possibility of lost parts when dissembling. Size 4×3 in.

No. 1501-8—W't per pair 1¾ lbs., per pair $1.60

ONE PAIR IN A BOX

An all-rubber tread pedal of narrow design recommended for ladies' bicycles. Equipped with 3/16 in. balls and retainer. Two unit construction preventing loss of small parts in case pedal is taken down to make repairs. Size 3¼×3 in.

No. 1502-9—W't 1½ lbs., per pair $1 60

ONE PAIR IN A BOX

An all-rubber tread pedal recommended for large size velocipedes and juvenile bicycles.

A free running, ball bearing pedal of light weight and attractve design. The rubbers are of excellent quality. The outer and brace is sotted to facilitate the removal of the rubber rod when replacement of the rubber tread is necessary.

Carefully designed, sturdy construction to withstand hard service to which juvenile pedals are subjected. Size 3 3/32×2⅜ in.

No. 1504-1 Jr.—W't 1 lb., per pair $1.40

ONE PAIR IN A BOX

PEDAL RUBBERS

No. 1510—Pedal Rubber, for Nos. 1501, 1502 pedals, per dozen rubbers $1.45

QUARTER DOZEN PAIRS IN A BOX

No. 1512—Automatic, can be attached or detached at will, no screws to work loose, will fit almost any pedal, except rubber pedal, w't per doz. sets 1⅝ lbs., per dozen sets $5.40

DOZEN SETS IN A BOX

TOOL BAGS

No. 1550—Men's Oval, pebble black grain leather with patent fastening and straps, w't per doz. 2¾ lbs., per dozen $8.65

LOOSE

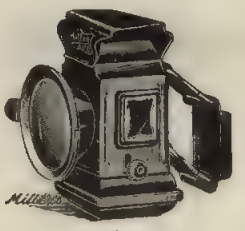
No. 1551—Men's, round pebble grain leather with patent fastening and straps, w't per doz. 3 lbs., per dozen $9.60

LOOSE

No. 1552—Women's triangular pebble grain leather with patent fastening and straps, wt per doz. 2 lbs., per dozen $9.60

LOOSE

BICYCLE OIL LAMPS



THE LUMO

This Lamp is similar to the Cyclight, but slightly better in material. Has 2¼-inch Dome Lens. Plated Reflector. Burner, ¾ inch. Burns 6 hours. Height, 4½ inches. Weight, 8½ ounces.

	Each
Lumo—Nickel Plated	$1.75 -- --

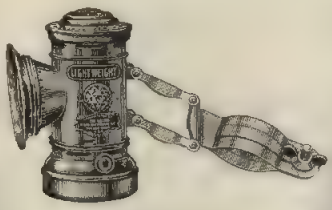
One in a box.

THE CYCLIGHT

This is an Excellent Quality of Lamp at the price. Made with great care and Perfect in detail. Has 2¼-inch Dome Lens. Detachable Plated Reflector, and ¾-inch Burner. Burns 4 hours. Height, 4½ inches. Weight, 9 ounces.

	Each
Cyclight—Japanned	$1.25 -- --

One in a box.

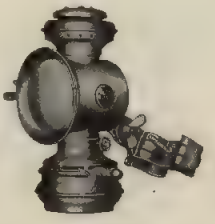


LIGHTWEIGHT

A Strong, Well Made Bicycle Lamp Throws a Clear, Steady Light and will Burn 10 hours on one filling Positively Will Not Jolt or Jar Out Has 2½-inch Plain, Convex, Hinged Lens, and is also equipped with Green and Ruby Jeweled Side Lights. Strong Back with New Adjustable Clamp. Height, 6 inches. Weight, 10 ounces.

	Each
Lightweight—Nickel Plated	$2.00 -- --

One in a box



SOLAR

Will Not Smoke, Jar or Blow Out. Burns 10 hours. Made of Brass. Has 2¼-inch Double Convex Lens, and ¾-inch Red Jeweled Side Lights. Height, 6½ inches. Weight, 10 ounces.

	Each
Solar—Nickel Plated	$2.75 --- ---

One in a box.

BICYCLE OIL LAMPS

20TH CENTURY

Made of Brass Sheet Steel. Special Locking Device, which prevents wick from jarring down Aluminum Reflector. Burns 12 hours. Combination Head and Fork Bracket. Height, 6 inches. Weight, 18 ounces.

	Each		
20th Century—Nickel Plated	$3.75	---	---

One in a box.

NEVEROUT

Rigid Head and Fork Brackets free with every Lamp. Red Rear Signal. Positively Stays Lighted. Patent Insulated Kerosene Reservoir, making it absolutely safe. Patent Glass Covered Reflector of German Silver. Height, 6½ inches. Weight, 12½ ounces.

	Each		
Neverout—Nickel Plated	$5.50	---	---

One in a box.

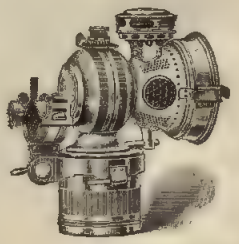
BICYCLE GAS LAMPS

SOLAR

Thoroughly Well Made throughout of Heavy Gauge Brass. Handsome in Design and Finish Double Convex Lens, 2¾ inches Snap Lens Catch Straight Carbide Pot with False Bottom. Large Jeweled Side Lights Lava Tip Flat Flame. Burns 6 hours. Height, 7 inches. Weight, 30 ounces.

	Each		
Solar—Nickel Plated	$5.25	---	---

One in a box.



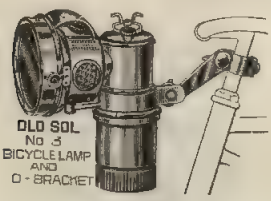
20TH CENTURY

The Lamp proper is made of Heavy Sheet Brass and the Clamp of Steel. Convex Lens, 2¾ inches. Jeweled Side Lights. Genuine German Lava Tip. Flat Flame Burns 6 hours Height, 7 inches Weight, 28 ounces. This Lamp is Well Known and has proved its durability. New Patent Door Catch. New Carbide Cup Attachment.

	Each		
20th Century—Nickel Plated	$5.00	---	---

One in a box.

BICYCLE GAS LAMPS



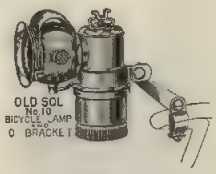
OLD SOL

A Large, Handsome Lamp of New Design. Embodies Same Features, and Size of Motorcycle Lamps. This is an Excellent Model for Heavy Duty where Large Carbide Capacity and Tremendous Candle-power is Required. Construction very Solid, all Parts made of Brass, Highly Polished and Nickel Plated. Gives a very Powerful Light and Guaranteed to Give Satisfaction. The Bracket Arrangement may be Varied at the Option of Purchaser. Carbide capacity, 6 ounces. Reflector, 3 inches. Candle Power, 100. Height, 7 inches. Door, 4½ inches. Weight, 2 pounds.

Each

No. 3—Nickel Plated ..... **$5.00** --- ---

One in a box.



OLD SOL

A newly designed Lamp embodying the most recent improvement in Acetylene Lamp Construction. Carbide Chamber has Large Capacity and a Special Quick Action Fastener holding it to upper part of Lamp. Double Convex Lens 2½ inches in diameter. Carbide Capacity, 5 ounces. Burns from 6 to 7 hours. Height, 6¼ inches. Weight, 18 ounces.

Each

No. 10 -Nickel Plated..... **$4.25** --- ---

One in a box

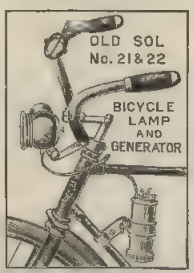
SEARCH-LIGHT

Made of Brass Beveled Glass Lens, 2½ inches. Red and Green Jeweled Side Lights that slide up and down in slot to permit lighting. Polished Tin Reflector. Felt Lined, Combination Head and Fork Bracket which fastens with thumb screw. Will Burn 10 hours. Height, 8½ inches. Weight, 28 ounces.

Each

Search Light—Nickel Plated. . . . . **$4.00** --- ---

One in a box.



"OLD SOL" WITH SEPARATE GENERATOR

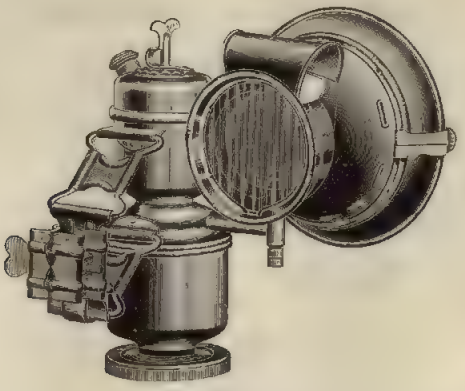
For the rider who prefers a Lamp-head with Separate Generator, "Old Sol" Lamp No. 22 with Bracket "O" has been designed to meet the demand. Equipped with Red and Green Side Jewels, Nickel Plated Reflector, Front Biconvex Lens, Highly Nickeled Finish. Weighs about 9 ounces. "Old Sol" Generator No. 21, for use with Lamp No. 22 Height, 6½ inches Carbide capacity, 5 ounces. Will feed Lamp No. 22 5 to 6 hours. Bracket "Y" for Generator is shown in position. Generator can be controlled from Saddle. Combination Lamp and Generator, complete with all Brackets.

Each

No. 2122 Nickel Plated . . . . . **$6.00** --- ---

One in a box

BICYCLE GAS LAMPS

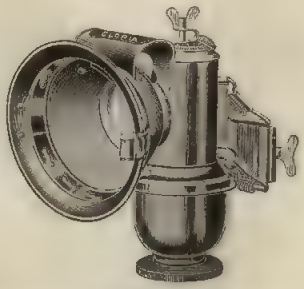


DUPLEX

Duplex is Made Expressly for the Purpose of Meeting the Tremendous Demand for a Gas Lamp Having a Rear Red Tail Light, Which is Much Appreciated by the Rider, Especially at These Times When the Traffic is Very Heavy Among Automobiles, Motorcycles, Etc., the Red Tail Light Acting as a Signal, Practically Eliminating the Danger From Rear End Collisions. It is Made Very Strong, is Heavily Nickeled and Highly Polished, Has Large, Ample Carbide Capacity, with Graduated Water Adjustment, Polished Reflector, Insuring a Strong, Steady Light Will Fit Any Standard Fork Side Bracket. 3½ Inch Front Lens and 2½ Inch Rear Reflex Lens. Height, 6 Inches. Weight, 12 Ounces.

	Each		
Duplex Gas Lamp—Nickel Plated	**$3.75**	---	---

One in a box.



"GLORIA"

The "Gloria" is Made Specially for Us to Meet the Growing Demand for an Efficient Gas Lamp, to be Sold at a Medium Price It is of a Sturdy Construction and With Proper Care Will Last Several Seasons The Carbide Chamber Holds Sufficient to Last 6 to 8 Hours, and Has a Graduated Water Adjustment Fitted With a Polished Reflector and Throws a Clear, Steady Light Made With Spring Back Which Will Fit on Any Standard Head or Fork Bracket. Weighs, 12 Ounces, is 6 Inches High and Equipped with 3 Inch Front Lens.

	Each		
No. G—Nickel Plated	**$2.50**	—	--

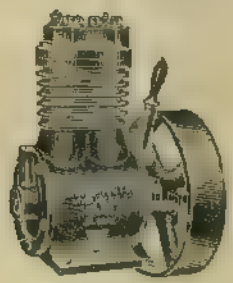
One in a box.

BRUNNER GARAGE AIR COMPRESSORS

We recommend the Brunner Line to our trade as the most efficient and durable line of Garage Air Compressor Equipment manufactured and will guarantee any properly installed Brunner Outfit to give entire satisfaction. We further guarantee every Brunner Air Compressor we sell against defects in workmanship or material for one year.

Every Brunner Air Compressor Piston is equipped with three metal piston rings. Rings, Piston and Cylinders are ground to a perfect fit, which insures great durability and the highest efficiency.

TWO-CYLINDER BELT DRIVEN



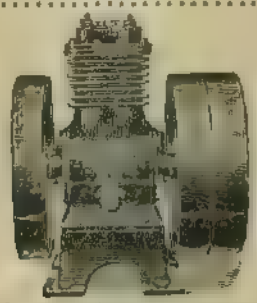
Vertical Type.

This is the Standard Air Compressor for garage service and will deliver more air at higher pressure with less power than any other compressor of equal rating on the market.

We recommend this machine for garages housing up to 60 cars and to be used with air tanks up to 50 gal. capacity.

Requires ½ H. P. for operation, delivers 3 cu. ft. free air per minute at 400 R. P. M. and 175 lbs. pressure. Tested to 300 lbs.

No. F102G—Adjustable safety valve on each cylinder, height 13 in., floor space 6½x10 in.
net w't 38 lbs., shipping w't 65 lbs.—
With 9 in. Tight Pulley only .....each $51.00★
With 9 in. T & L Pulleys .....each 57.00★
With 14 in. Tight Pulley only .....each 53.50★
With 9 in. Pulley and Clutch (as illustrated), each ..... 66.00★



A new model, specifically designed for heavy service and embodying the features of design and construction that have made the BRUNNER line so widely and favorably known. Cylinder dimensions, 2½ in. bore by 3 in. stroke; displacement 6 cu. ft. free air per minute at 350 R. P. M. Suited for pressure up to 200 lbs. The balanced load of the two-cylinder type is a feature of interest to the prospective purchaser. Air cooling is also a feature.

This model is of ample capacity for large garages, filling stations or tire agencies and is particularly adapted to inflation of "giant" pneumatic tires. Appropriate tank and fittings may be had for any purpose to which this model is suited.

No. F105G—Height 22½ in., floor space 16x18 in., w't each 187 lbs.—
Without Pulley or Flywheel .....each $ 90.00★
With Flywheel (no Pulleys) .....each 102.50★
With 16 in. T & L Pulley and Flywheel (as illustrated), each ..... 115.00★

MOTOR DRIVEN

Vertical Type, Two Cylinders.

This compressor is intended for service in garages housing up to 50 cars and in connection with tanks up to 50 gal. capacity.

The Compressor has a capacity of 2½ cu. ft. of free air per minute, has an adjustable safety valve on each cylinder and is driven by a ½ H. P. motor, by a noiseless cloth pinion gear. The motor will readily start the Compressor against 130 lbs. and drive it up to 175 lbs.

Makes a most convenient installation when used in connection with our Model "M" Automatic Controller. Operation from lighting circuit if desirable.

No. F42G—Adjustable safety valve on each cylinder, connected to motor by noiseless cloth pinion gear, height 16½ in., floor space 18½x11 in., w't each 170 lbs.—
With 110-220 V., 60 Cycle A. C. I Phase Motor, each .....$190.00★
With 110-220 V., 25 Cycle A. C. I Phase Motor, each ..... 205.00★
With 110-220 V., 40 Cycle A. C. I Phase Motor, each ..... 205.00★
With 110-220 V., Direct Current Motor ..each 185.00★
With 32 V., Direct Current Motor .....each 190.00★

A. C. Motors of Other Than 60 Cycles Furnished at Additional Charge.

AUTOMATIC PRESSURE CONTROLLERS

In connection with any motor driven compressor outfit up to 5 H. P. this controller will automatically maintain tank pressure at any pre-determined maximum up to 200 lbs. Usual setting is for 145 lbs. maximum and 120 lbs. minimum but maximum setting may be adjusted. At any setting, however, the "cut-in" will be 25 lbs. below the "cut-out" pressure. This controller is furnished in three models, suited to various motors. These may be used with any motor driven outfit. They are reliable, accurate, safe and durable.

A controller saves profitable time, insures service to your customers, avoids dangerous pressures, and saves current by operating compressor only when air is needed.

No. FMG—For A. C. Motors up to 3 H. P. (inclusive) or D. C. Motors up to ½ H. P. (inclusive) for voltage not more than 440 .....$35.00★

No. FEG—For D. C. Motors, ¾ H. P. to 3 H. P. (inclusive), for current up to and including 440 volts ..... 110.00★

★ Items Marked Thus ★ Are Shipped From Factory Only.

BRUNNER MOTOR DRIVEN COMPRESSORS

PORTABLE TIRE INFLATOR

This is a well built Motor Driven Portable Outfit for inflating tires without a storage tank, and operates from any lighting circuit.

Has a heavily built two-Cylinder Air Cooled Compressor, bore 1⅛ in., stroke 1¼ in., pistons equipped with three metal rings and geared to a ¼ H. P. Electric Motor by means of a cloth pinion and mounted upon a substantial cast iron sub-base with three wheels. A substantial handle of convenient height is supplied.

Beautiful gloss black enamel finish. 20 ft. electric cord and plug and 20 ft. heavy air hose, tire connection and gauge supplied. Complete and ready to use when removed from crate.

Net w't 110 lbs., shipping w't 160 lbs.

Also furnished as a stationary outfit, but not intended for use in connection with a storage tank.

No. F66G—Portable Type—

110-220 Volts, 60 Cycle, A. C. Motor	$153.00★
110-220 Volts, 25 Cycle, A. C. Motor	163.00★
110-220 Volts, 40 Cycle, A. C. Motor	163.00★
110 or 220 Volts, D. C. Motor	118.00★
32 Volts, D. C. Motor	153.00★

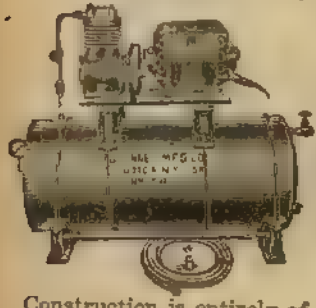
No. F68G—Stationary Type—

110 or 220 V., 60 Cy. A. C. Motor	$145.00★
110-220 V., 25 Cy. A. C. Motor	155.00★
110 or 220 Volt, 40 Cy. A. C. Motor	155.00★
110 or 220 V. D. C. Motor	140.00★
32 V. D. C. Motor	145.00★

A. C. Motors Other Than 60 Cycle at Additional Charge.

MOTOR DRIVEN ASSEMBLIES

Vertical Type Compressor, Two Cylinders.



The compressor is the standard No. 102 with capacity of 2½ cu. ft. free air per minute direct geared to a ½ H. P. motor. The cloth driving pinion is employed with cut cast iron spur gear reducing the gear hum to a minimum. The power plant is mounted on a substantial iron base which surmounts a 32 gallon BRUNNER air tank recommended for 150 lbs. working pressure.

Construction is entirely of metal, there being no wooden parts which might warp or crack and throw the power plant out of alignment. Equipment, as illustrated, is furnished and this machine is ready for use when uncrated. Hose may be attached to fittings or pipe line may be extended to any part of the building.

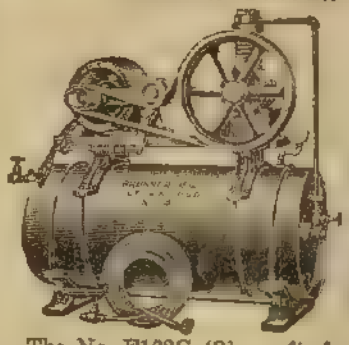
In connection with automatic controller, this machine is recommended for garages housing up to 50 cars.

No. F542G—Height 34 in., floor space 18×36 in. Furnished complete with air gauge, check valve, needle valves, hose line and tire connection. Weight each 340 lbs.—

With 1 Phase, 60 Cycle, 110-220 V., A. C. Motor	$270.00★
With 110-220 V., 25 Cycle, 1 Phase, A. C. Motor	285.00★
With 110-220 Volts, 40 Cycle, 1 Phase, A. C. Motor	285.00★
With 110 or 220 Volt Direct Current Motor	265.00★
With 32 Volt D. C. Motor	270.00★

A. C. Motors Other Than 60 Cycle at Additional Charge.

MOTOR DRIVEN ASSEMBLIES



This assembly was developed to meet the demand for an outfit duplicating the efficiency and economical operation of the No. F542G but employing belt drive to eliminate the gear hum of the latter type. General construction is the same as the No. F542G with appropriate changes in the design of the base to accommodate the belted construction.

The No. F102G (2½ cu. ft. free air per minute capacity) is belted to a ½ H. P. motor with efficient belt tightener The power plant is assembled on a heavy iron base, the whole being mounted on a 32 gallon BRUNNER tank tested to 300 lbs. and suited for 150 lbs. working pressure.

This model is particularly suited to filling stations or sales rooms where noise of gear drive would be objectionable. Garages housing not more than 50 cars will find this machine ample if controlled with BRUNNER automatic controller.

No. F742G—Height 43 in., floor space 18×36 in., w't each 325 lbs.

	Each.
With 110-220 V., 60 Cy., 1 Phase, A. C. Motor	$285.00★
With 110-220 V., 25 Cy., 1 Phase, A. C. Motor	300.00★
With 110-220 V., 40 Cy., 1 Phase, A. C. Motor	300.00★
With 110 or 220 V., Direct Current Motor	280.00★
With 32 Volt Direct Current Motor	285.00★

A. C. Motors Other Than 60 Cycle at Additional Charge.

HEAVY DUTY BELT DRIVEN ASSEMBLIES

This completely assembled, ready-to-use outfit has been preferred by those buyers having limited floor space or desiring the quiet operation of a belted machine. The No. F745G is ready to run when removed from the crate and is absolutely complete with automatic controller, hose line, valves, etc. Takn 65 gallon, for 200 lbs. pressure. Controller set for 175-200 lbs. if so ordered.

It is accepted by leading engineers that water cooling is advisable for heavy service but this model possesses unusual efficiency owing to skillful design and closely gauged workmanship and easily surpasses other air-cooled outfits supposedly designed for heavy service. The No. F745G is the closest approach in efficiency and all-round performance of the Brunner Line.

The compressor is Brunner No. F105G two-cylinder 2½×3 in. displacing 5½ cu. ft. per minute. The motor is 1½ H. P. Drive is by 2½ in. endless belt with perfected belt tightener.

No. F745G—Length 69 in., width 24 in., height 48 in., w't 800 lbs.

With 1 Phase, A. C., 110-220 V., 60 Cy. Motor	$505.00★
With 2 or 3 Phase, A. C., 220-440 V., 60 Cy. Motor	580.00★
With 220 V., Direct Current Motor, including Solenoid Starter	665.00★
With 1 Phase A. C., 110-220 V., 25 Cycle Motor	625.00★
With 2 or 3 Phase, A. C., 220-440 V., 25 Cy. Motor	610.00★

★ Items Marked Thus ★ Are Shipped from Factory Only.

BRUNNER GARAGE OUTFITS

To assist our customers in selecting a complete Air Pressure installation, we list below several outfits complete, less iron piping, for shipment from our factory. There is an outfit adapted to your particular requirements and we recommend these just as listed to secure the best results.

We will submit quotations on outfits for any size or style of garage upon application.

BELT DRIVEN GARAGE OUTFIT NO. F1G

For Garages Housing up to 60 Cars and Large Vulcanizing Shops.

1—No. 102 Belt Driven Air Compressor, 9 in. Tight and Loose Pulleys.
1—50 gal. 16 in. x 60 in. Galvanized Air Tank for 150 lbs. Working Pressure.
1—Model "B" Air Gauge.
1—No. 70 Horizontal Check Valve, ¾ in.
1—No. 72 Safety Valve for Air Tank.
1—No. 83 ¼ in. Needle Valve.
1—No. 83 ⅜ in. Needle Valve.
1—No. 82 ⅜ in. Needle Valve with Swivel Hose Connection.
2—Specially ground Brass Unions, ¾ in. and ⅜ in.
1—Automatic Tire C nnection.
1—25 ft. Drop Line 5/16 in. "Resistoil" Air Hose.

No. F1G—Outfit complete★ .....each *$204.15*

BELT DRIVEN GARAGE OUTFIT NO. F165G

For Large Garages, Tire Agencies, Etc.

1—No. 105 Belt Driven Compressor with T. & L. Pulleys and Flywheel.
1—65 gal. 18 in. x 60 in. Galvanized Air Tank for 150 lbs. Working Pressure.
1—Model ' Air Gauge.
1—No. 70 Horizontal Check Valve, ¾ in.
1—No. 72 Safety Valve for Air Tank.
1—No. 84 ¼ in. Needle Valve.
1—No. 83 ⅜ in. Needle Valve.
1—No. 82 ⅜ in. Needle Valve.
2—Ground Brass Unions, ¾ in. and ⅜ in.
1—Automatic Tire Connection.
1—25 ft. Drop Line 5/16 in. "Resistoil" Air Hose.

No. F165G—Outfit complete★ .....each *$330.50*

MOTOR DRIVEN GARAGE OUTFIT NO. F6G

For Garages Housing 75 Cars, when Model "M" Controller is Used and up to 50 Cars Without Model "M."

1—No. 42 Motor Driven Compressor, 110 or 220 V., 60 Cycle A. C.
1—40 gal. 16 in. x 48 in. Galvanized Air Tank for 150 lbs. Working Pressure.
1—Model "B" Air Gauge.
1—No. 75 Horizontal Check Valve, ¾ in.
1—No. 72 Safety Valve for Air Tank.
1—No. 83 ¼ in. Needle Valve.
1—No. 83 ⅜ in. Needle Valve.
1—No. 82 ⅜ in. Needle Valve with Swivel Hose Connection.
2—Special ground Brass Unions, ¾ in. and ⅜ in.
1—Automatic Tire Connection.
1—25 ft. Drop Line 5/16 in. "Resistoil" Air Hose.

No. F6G—Without No. FMG Automatic Controller, outfit★ .....each *$393.40*

No. F6MG—With No. FMG Automatic Controller, outfit★ *$446.60*

BOXED COMPLETE

MOTOR DRIVEN GARAGE OUTFIT NO. F170G

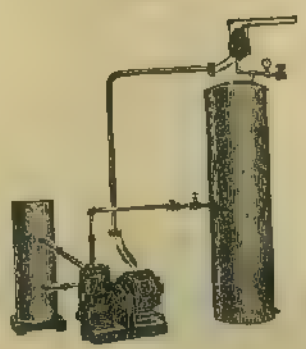
For Large Service Stations.

1—No. 45 Compressor with 220-440 V., 2 or 3 Phase, 60 Cycle, A. C. Motor.
1—80 gal. 18 in x 72 in Galvanized Air Tank for 150 lbs. Working Pressure.
1—Model "B" Air Gauge.
1—No. 70 ¾ in. Horizontal Check Valve.
1—No. 72 Safety Valve for Air Tank.
1—No. 84 ¼ in. Needle Valve.
1—No. 83 ⅜ in. Needle Valve.
1—No. 82 ⅜ in. Needle Valve with Swivel Hose Connection.
2—Specially ground Brass Unions, ¾ in. and ⅜ in.
1—Automatic Tire Connection.
1—25 ft. Drop Line 5/16 in. "Resistoil" Air Hose.

No. F170G—Without No. FMG Automatic Controller, outfit★ *$617.00*

No. F170MG—With No. FMG Automatic Controller, outfit★ *$715.00*

HEAVY DUTY OUTFITS



A complete automatic outfit for service stations, tire agencies, large garages and any establishment where demand for air service is heavy. This outfit is in use by large tire factories, their branches being so equipped for serving "giant" pneumatic truck tires. The power plant is the No. F47G Brunner, complete with cooling tank, fuse plugs (with A. C. outfits), and automatic controller (set for 180 lbs. but adjustable to 200 lbs.) The fittings include proper valves, unions and hose for complete installation with one outlet. The tank is an 80 gal. Brunner "Special" tested to 400 lbs. and suited to 200 lbs. working pressure.

Price Complete Except Piping

No. F247GD—Automatic, 220 volts, direct current★ *$893.30*

No. F247GA3—Automatic, 220-440 volts, 2 or 3 ph., 60 cycle A. C.★ *$807.80*

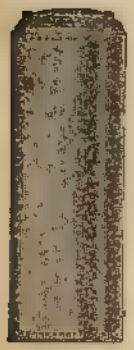
No. F247GA1—Automatic, 110-220 volts., 1 phase, 60 cycle A. C.★ *$945.95*

BOXED COMPLETE

A Special bulletin on this outfit will be mailed on request. The factory will gladly render engineering service and advice to anyone having need for this machine.

★ Items Marked Thus ★ are Shipped from Factory Only.

BRUNNER HEAVY STEEL AIR TANKS



Made of best Open Hearth Flange Steel of high tensile strength and absolutely guaranteed for recommended pressures Brunner tanks are slightly more costly than the usual run of tanks but they are SAFE. The garage man who purchases a genuine Brunner Air Tank will find it reliable, durable and safe.

Two types are offered, a standard design and suited to 150 lbs. working pressure, tested to 300 lbs.; and a "special" type for 200 lbs. working pressure, tested to 400 lbs. The standard grade is fully galvanized and is suited to the average installation. The "Special" tanks are black, very heavy, and sholud be specified where pressure above 150 lbs. is used.

GALVANIZED

150 LB. TANKS

Nos.	F20Q	F32Q	F40Q	F50Q
Gallons	20	32	40	50
Diameter, in.	14	16	16	16
Length, in.	30	36	48	60
W't, each, lbs.	73	95	100	140
Each	$25.00★	32.00★	40.00★	45.00★

BLACK

SPECIAL 200 LB. TANKS

Nos.	F65SQ	F80SQ	F100SQ
Gallons	65	80	100
Diameter, in.	18	18	22
Length, in.	60	72	60
W't, each, lbs.	300	340	380
Each	$95.00★	115.00★	165.00★

BRUNNER AIR PRESSURE GAUGES

These Gauges are exceptionally well made, especially designed for air pressure, and are graduated to 200 lbs.

They are made in Polished Brass Case with Bevel Glass and in Iron Case with Brass Ring. They are of heavy construction and extremely accurate.

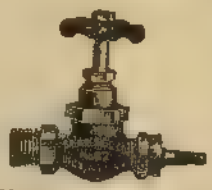
2½ in. in diameter with bottom male connection for ¼ in. iron pipe.

Nos.	FAQ	FBQ
Case	Polished Brass	Iron
Each	$5.00★	3.70★

BRUNNER AIR COMPRESSOR FITTINGS

Good fittings are as essential as a good compressor. Don't retard the effectiveness of a good compressor with a leaky tank or accessory of any description. Select your entire outfit from our list and insure a perfect working, satisfactory machine. We guarantee these fittings to be the best that money can buy, and our line is priced as low as the inferior grades.

NEEDLE VALVES



Heavily constructed of brass and designed for use on compressed air lines carrying pressures up to 200 lbs.

A reliable fitting, much handier than a stop cock.

Male pipe line connection at one end and swivel hose connection at other, to fit 5/16, ¼ or ⅜ in. hose.

Nos.	82¼Q	82⅜Q
Male connections	¼	⅜
Each	$2.50	2.50

For use in pipe line, doing away with an ordinary globe valve. Female connections at both ends.

Air tight and, with proper care, will stay tight indefinitely.

Nos.	83¼Q	F83⅜Q	F84½Q
Female connections, in.	¼	⅜	½
Each	$2.25	2.25★	3.50★

SAFETY VALVES

To be Used on Tanks Carrying a High Pressure.

Brass, ball seat, adjustable, tension of spring, can be adjusted to that of any desired pressure up to 175 lbs., always set at 150 lbs. when shipped, unless otherwise specified.

Nos.	F72¼Q	F72⅜Q	F72½Q
Male connection, in.	¼	⅜	½
Each	$3.00★	3.00★	3.00★

HORIZONTAL CHECK VALVES

Will out-wear several ordinary valves and is more perfect as to tightness. Should be installed wherever a horizontal valve is permissable.

Nos.	F70¼Q	F70⅜Q	F70½Q
Female connections, in.	¼	⅜	½
Each	$5.00★	5.25★	5.50★

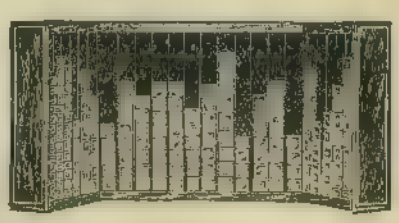
★ Items Marked Thus ★ Are Shipped From Factory Only.

THE CHAMPION SPARK PLUG MERCHANDISER

Front View.

THE NEW AND MODERN WAY OF MERCANDISING CHAMPION SPARK PLUGS

Case with car index Chart attached, enables any clerk to select instantly the proper size and type of spark plug that is requested for any passenger car, commercial car, tractor, motorcycle, motor boat and farm and stationary engines. Adapted for use on your counter, show case or shelf; it occupies but little space compared to the complete assortment that it carries. Finely finish, an ornament to any store or counter—made of metal each compartment will hold an original package of spark plugs. By lifting protecting cover it takes but a moment to take a record of your stock on hand. Conveniently arranged for quick sales The merchandiser will be furnished free of charge with an order for a full assortment of 100 Spark Plugs, representing the leading types that are in constant demand.



Rear View

SUGGESTED ASSORTMENTS

ASSORTMENT "A"

30—No. 5280—⅜ Inch X
10—No. 5295—½ Inch Long ..... X Long
10—No. 5289—⅝ Standard 1
10—No. 5285—⅞ Standard 2
10—No. 5291—⅞ Regular 3
10—No. 5292—⅞ Long Body Regular 4
10—No. 5288—⅞ Long Regular 5
10—No. 5290—⅞ Long Standard 6

100 Total

ASSORTMENT "B"

(For Ford and Fordson Tractor Agents.)

70—No. 5280—⅜ Inch X
30—No. 5295—½ Inch Long ..... X Long

ASSORTMENT "C"

(When Dealers are agents for two or more cars, the order for 100 Champion Spark Plugs should be assorted according to their sales on each make of car.)

Order must specify one of the above assortment to secure Merchandiser.

CHAMPION SPARK PLUG CLEANERS

One of the best time and trouble savers on the market. Simply fill the tube half full of gasoline, screw the plug you want cleaned into the bushing at the end then shake. No grease, no dirt, no trouble, and you don't even have to take plugs apart. **No.** 5282—W't each ¼ lb., each $0.86

ONE IN A WOODEN BOX

SPECIAL TYPES OF CHAMPION BLUE BOX PLUGS

Not carried in stock but can be furnished promptly from factory, 10 in a box, w't per box 3½ lbs.

All Nos. ..... per box $10.60

1/2 Inch
Standard A-13
Standard A-14

1/2 Inch—Ex. Long
Standard A-34

7/8
Regular B-43
S. A. E. J-43
Regular JA-43
Long Body Regular JB-43

7/8 Long
S. A. E. J-53
Regular JA-53

Metric
Standard A-63
Standard A-64
"J" Types—One Piece.

MAIL ORDER DEPARTMENT

Our constant attention in sixty-eight years of business has been given to the perfection of the system of handling mail orders. Our object has always been to handle them with the greatest possible speed, with the result we are enabled, in most cases, to ship mail orders the same day they are received.

★ Items Marked Thus ★ Are Shipped From Factory Only.

CHAMPION SPARK PLUGS

FOR FORD CARS

Standard equipment on Ford cars, trucks and Fordson tractors continuously since 1911.

No. 5280 — A15 — ⅛ in., petticoat core, two-piece, w't per box 4 lbs., box of 10 ..$9.00

X LONG FOR FORDSON TRACTORS

No. 5295 — A25 — ⅛ in. long, petticoat core, two-piece, w't per box 4 lbs., box of 10 ..$9.00

FOR FORD CARS

No. 5310—H14 — ⅛ in., priming plug, petticoat core, two-piece, w't per box 5 lbs., box, 10 $14.00

Recommended for Dort, Durant 6, Elgin, Maxwell, late Studebaker models and many others.

No. 5289 — 1-A44 — two-piece petticoat core ⅛ SAE, w't per box 3 lbs., box of 10 $10.60

Recommened for use in H. G. S., Haynes, Locomobile, Mercer. Will also fit other cars, trucks, tractors, farm and stationary engines requiring this size plug.

No. 5285 — 2-A43 — ⅛ in. std., conical core, two-piece, w't per box 4 lbs., box of 10..$10.60

Recommended for Dodge, Cunningham, Mitchell, Willys-Knight and other cars using this size plugs.

No. 5291—3-AB44 — ⅛ in. reg., petticoat core, two-piece, w't per box 4 lbs., box of 10 $10 60

Recommended for use in Cadillac, Case, Chalmers, Chandler, Hupmobile, Jewett, Lincoln, Marmon, Oldsmobile, Packard, Peerless, Paige, Pierce Arrow and many others.

No. 5292—4-AB43 — ⅛ in. long body regular, two-piece, w't per box 4 lbs., per box of 10 .....$10.60

Recommended for Buick, Chevrolet, Durant 4, Haynes, Star, Stevens, Stutz and others.

No. 5288 — 5-AA54 — ⅛ in. long, reg., two-piece, w't per box 4½ lbs., box, 10 $10.60

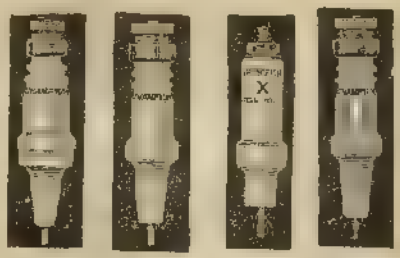
Recommended for Franklin, Gray, Mercer 4, Oldsmoble, National, Saxon, Oakland, Velie and all cars using this size plug.

No. 5290—6-A53 — ⅛ in. long std., Petticoat core, two-piece, w't per box 4½ lbs., box, 10 $10.60

Recommended for Reo and Overland. Many prominent tractors and farm engines also use this size plug.

No. 5293—7-A24 — ⅛ in. long, standard, two-piece, w't per box 3 lbs., per box of 10 .....$10.60

CORES



5287 5297 5283 5296

No. 5297—A104—To fit plugs 5289—1-A14, A44, A64 per box of 10 .....$5 40

No. 5283—A105—To fit plugs 5280 A15.....per box of 10 $4.40

No. 5299—A205—To fit plugs 5295 A25 .....per box of 10 $4 40

No. 5303—A204—To fit plugs 5291 - 3-AB44, 5288—5-AA54, 5293—7-A24, ...per box of 10 $5.40

No. 5287—A103—To fit plugs 5285—2-A43, 5292—4-AB43, 463, per box of 10 .....$5.40

No. 5298—A503—To fit plugs 5290—6-A53, AA53 ...per box of 10 $5.40

★ Items Marked Thus ★ Are Shipped From Factory Only.

SPARK PLUG SIZES

PASSENGER CARS

Allen	⅞ in.	Ferris Six	⅞ in.	Marion	⅞ in	Pilot	⅞ in
American	⅞ in.	Fiat	⅞ in.	Marion-Hanley	⅞ in	Premier	⅞ in.
Anderson	⅞ in.	Ford	⅞ in.	Marmon	⅞ in	Pullman	⅞ in
Apperson	⅞ in.	Forster	⅞ in.	Maxwell	⅞ in.	Ranger	⅝ in
Auburn	⅞ in.	Franklin	Long ⅞ in.	McFarlan Six	⅞ in	Regal	⅞ in.
Austin	⅞ in.	Gardner	⅞ in	McLaughlin		Reo	Long ⅞ in
Biggs	⅞ in.	Geronimo	⅞ in.	(Canada)	Long ⅞ in.	Re Vere	⅞ in.
Bell	⅞ in.	Gade	⅞ in	Mercer	⅞ in	Roamer	⅞ in
Biddle	⅞ in	Grant	⅞ in	Metz	⅞ in	Rolls-Royce	Metric
Briscoe	⅞ in.	Gray-Dort (Canada)	⅞ in.	Mitchell	⅞ in	Ross	⅞ in.
Buick	Long ⅞ in.	H. A. L.	⅞ in	Moline-Knight	⅞ in	R. & V. Knight	⅞ in.
Cadillac	⅞ in	Handley Knight	⅞ in	Monitor	⅞ in	Saxon	⅞ in.
Case	⅞ in	Hanson	⅞ in	Monroe	⅞ in	Sayers	⅞ in.
Chalmers	⅞ in.	Harroun	⅞ in	Moon	⅞ in.	Scripps-Booth L'g	⅞ in.
Chandler	⅞ in.	Haynes	⅞ in.	Moore	⅞ in.	Seneca	⅞ in.
Chevrolet	Long ⅞ in.	Highlander	⅞ in.	Murray	⅞ in.	Severin	⅞ in.
Cleveland	⅞ in	Hollier	⅞ in.	Nash	Long ⅞ in.	Sheridan	⅞ in.
Climber	⅞ in	Holmes	⅞ in.	National	Long ⅞ in.	Skelton	⅞ in.
Cole	⅞ in	Hupmobile	⅞ in	Nelson	⅞ in	Standard	⅞ in
Columbia	⅞ in	Huffman	⅞ in	Norwalk	⅞ in.	States	⅞ in.
Crawford	⅞ in.	Hupmobile	⅞ in.	Oakland	Long ⅞ in.	Stearns-Knight	⅞ in
Crow-Elkhart	⅞ in.	Interstate	⅞ in.	Oldsmobile 6	Long ⅞ in.	Stephens	Long ⅞ in
Cunningham	⅞ in.	Jackson	⅞ in.	Olsmobile 8	⅞ in.	Stevens-Duryea	⅞ in
Daniels	⅞ in.	Jones	⅞ in.	Olympian	⅞ in.	Studebaker	⅞ in.
Davis	⅞ in.	Jordan	Long ⅞ in.	Overland	⅞ in.	Stutz	⅞ in.
Detroiter	⅞ in.	King	⅞ in.	Overland Six	⅞ in.	Templar	⅞ in.
Dixie-Flyer	⅞ in.	Kissel-Kar	Long ⅞ in.	Owen Magnetic	⅞ in.	Tulsa	⅞ in.
Dodge	⅞ in.	Kline Kar	⅞ in.	Packard	⅞ in.	Velie	⅞ in.
Dorris	⅞ in.	Lafayette	⅞ in.	Paige Detroit	⅞ in.	Westcott	⅞ in.
Dorris	Long ⅞ in.	Lexington	⅞ in.	Pathfinder	⅞ in.	White	⅞ in.
Dort	⅞ in.	Liberty	⅞ in.	Patterson	⅞ in	Willys-Knight	⅞ in.
Douglas	⅞ in.	Lincoln	⅞ in.	Peerless	⅞ in.	Willys-Six	⅞ in.
Elcar	⅞ in.	Little	⅞ in.	Pennsy	⅞ in.	Winton	⅞ in.
Elgin	⅞ in.	Locomobile	⅞ in.	Phoenix, England	Metric	Woods Mobilette	⅞ in
Empire	⅞ in.	Madison	⅞ in.	Piedmont	⅞ in		
Essex	Metric	Maibohm	⅞ in.	Pierce Arrow	⅞ in.		

COMMERCIAL CARS

Acme	⅞ in.	Federal	⅞ in.	Mack	⅞ in.	Schwartz	⅞ in
Akron	Long ⅞ in.	Ford	⅞ in.	Mapleleaf (Canada)	⅞ in.	Seldon	⅞ in
All American	⅞ in.	Four Wheel Drive	⅞ in.	Marwin	⅞ in.	Service	⅞ in
American	⅞ in.	Fulton	⅞ in.	Master	⅞ in	Shelby	⅞ in
Amer. LaFrance	⅞ in.	Gabriel	⅞ in.	Maxwell	⅞ in.	Shelby	Long ⅞ in
Apex	Long ⅞ in.	Garford	⅞ in.	Menominee	⅞ in.	Signal	⅞ in.
Atlas	⅞ in.	Gary	⅞ in.	Mercury	⅞ in.	Sinclair	⅞ in
Atterbury	⅞ in.	Giant	⅞ in.	Meteor	⅞ in	Southern	⅞ in
Autocar	⅞ in.	G. M. C.	⅞ in.	Miller	⅞ in	S. & S.	⅞ in
Avery	⅞ in.	Graham	⅞ in.	Monarch	⅞ in.	Standard	⅞ in
Beck	⅞ in.	Gramm Bernstein	⅞ in.	Moreland	⅞ in.	Sterling	⅞ in
Bethlehem	⅞ in	Grant	⅞ in.	Muskegon	⅞ in.	Stewart	⅞ in
Betz	⅞ in.	Hall	⅞ in	Mutual	⅞ in.	Studebaker	⅞ in
Briscoe	⅞ in.	H R L.	⅞ in	Nash	⅞ in.	Superior	⅞ in
Clysedale	⅞ in.	Huffman	⅞ in	Nelson & LeMoon	⅞ in.	Taylor	⅞ in
Collier	⅞ in	Indiana	⅞ in	New York	⅞ in.	Traffic	⅞ in
Columbia	⅞ in.	International Harvester	⅞ in	Niles	⅞ in.	Transport	⅞ in
Commerce	⅞ in.	Jackson	⅞ in.	Old Hickory	⅞ in.	Triangle	⅞ in
Concord	⅞ in.	Jumbo	⅞ in.	Old Reliable	⅞ in.	Triumph	⅞ in.
Cook	⅞ in.	Kalamazoo	⅞ in.	Oldsmobile Econ'y	⅞ in.	Trojan	⅞ in.
Corbitt	⅞ in.	Kelly-Springfield	⅞ in.	Oneida	⅞ in.	Twin City	⅞ in.
Cunningham	⅞ in.	Keystone	⅞ in	Orleans	⅞ in.	Union	⅞ in.
Cyclone	Long ⅞ in	Keystone	⅞ in.	Oshkosh	Long ⅞ in.	United	⅞ in.
Dart	⅞ in.	King	⅞ in.	Overland	⅞ in	Universal	⅞ in.
Dearborn	⅞ in	Kissel	⅞ in	Packard	⅞ in	U S.	⅞ in.
Defiance	⅞ in.	LaFrance	⅞ in.	Paige	⅞ in	Velie	⅞ in.
DeKalb	⅞ in.	Lambert	⅞ in.	Parker	⅞ in	Vim	⅞ in.
Denby	⅞ in.	Lamson	⅞ in.	Pierce Arrow	⅞ in.	Ward LaFrance	⅞ in
Dependable	⅞ in.	Lane	⅞ in.	Ranger	⅞ in.	White	Metric
Detroit	⅞ in.	Lange	Long ⅞ in.	Rapid	⅞ in.	White	⅞ in
Diamond T	⅞ in	Lincoln	⅞ in.	Reliance	⅞ in.	Wichita	⅞ in
Dispatch	⅞ in.	Lippard-Stewart	⅞ in.	Reo	Long ⅞ in.	Wilcox-Trux	⅞ in.
Dodge	⅞ in.	Little Giant	⅞ in.	Republic	⅞ in.	Wilson	⅞ in.
Dorris	⅞ in.			Schacht	⅞ in.	Wolverine	⅞ in.
Dorris	Long ⅞ in.						

SPARK PLUG SIZES

TRACTORS

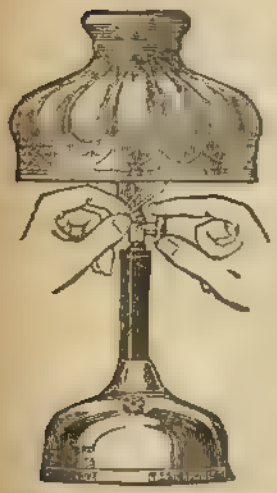
Albaugh-Dover .....L. ⅞ in.
Alligator .....Long ⅞ in.
Allis-Chalmers ..... ⅞ in.
All Work ..... ⅞ in.
American ..... ⅞ in.
Appleton ..... ⅞ in.
Aultman-Taylor ....L. ⅞ in.
Aultman-Taylor .... ⅞ in.
Austin ..... ⅞ in.
Autohorse ..... ⅞ in.
Automotive ..... ⅞ in.
Avery ..... ⅞ in.
Avery .....Long ⅞ in.
Avery ..... ⅞ in.
Bailor ..... ⅞ in
Bailor ..... ⅞ in
Bates ....Long ⅞ in.
Bates Stl Mule .....L. ⅞ in.
Beeman Garden ..... ⅞ in.
Bethlhem ..... ⅞ in.
Big Bull ..... ⅞ in.
Bolte ..... ⅞ in.
Bull ..... ⅞ in.
Canadian (Canada) Ex. ....L. ⅞ in.
Case .....Long ⅞ in.
Chase (Canada) ..... ⅞ in.
Cletrac ..... ⅞ in.
Common Sense ..... ⅞ in.
Dauch ..... ⅞ in.
Dill ..... ⅞ in.
Dill ..... ⅞ in.
Eagle ..... ⅞ in.
Elgin .....Long ⅞ in.
Elgin ..... ⅞ in.
Emerson Brantingham ..... ⅞ in.
Fageol ..... ⅞ in.
Fair Mor ..... ⅞ in.
Farm Horse ..... ⅞ in.
Fitch ..... ⅞ in.
Flour City .....Long ⅞ in.
Fordson .....Long ⅞ in.
Fox ..... ⅞ in.
Frick ....Long ⅞ in.
GO (National) ..... ⅞ in.
Grain Belt ..... ⅞ in.
Gray ..... ⅞ in.
Happy Farmer ..... ⅞ in.
Harrington Ex. ....L. ⅞ in.
Harrington ..... ⅞ in.
Hart Parr .....Long ⅞ in.
Heider ..... ⅞ in.
Holt ..... ⅞ in.
Huber ..... ⅞ in.
I. H. C. .....Long ⅞ in.
Illinois ..... ⅞ in.
Indiana ..... ⅞ in.
Kardell ..... ⅞ in
Keck-Gonnerman ..... ⅞ in.
Lauson ..... ⅞ in.
Lightfoot (Monarch) ....Long ⅞ in.
Linn ..... ⅞ in.
Massey-Harris (Canada) .....L. ⅞ in.
Merry Garden ..... ⅞ in.
Midwest ..... ⅞ in.
Minneapolis ..... ⅞ in.
Moline Universal .... ⅞ in.
Municipal ..... ⅞ in.
Municipal ..... ⅞ in.
Neverslip (Monarch) ....Long ⅞ in.
Nicholas & Shepard.... ⅞ in.
Nilson ..... ⅞ in.
Parrett ..... ⅞ in.
Pawling & Harnisfeger ⅞ in.
Peoria ..... ⅞ in.
Piedmont ..... ⅞ in.
Pioneer ..... ⅞ in.
Plowman ..... ⅞ in.
Ranger ..... ⅞ in.
Reliable Ex. ....Long ⅞ in.
R. & P. ..... ⅞ in.
Rumely Oil Pull ..... ⅞ in.
Russell ..... ⅞ in.
Sandusky ..... ⅞ in.
Shelby ..... ⅞ in.
Shelby .....Long ⅞ in
Spaulding ..... ⅞ in.
Square Turn .....Long ⅞ in.
Star ..... ⅞ in.
Stearns ..... ⅞ in.
Topp Stewart ..... ⅞ in
Toro ..... ⅞ in.
Tracklayer ..... ⅞ in.
Traylor ..... ⅞ in.
Triumph ..... ⅞ in.
Triumph .....Long ⅞ in
Turner Simplicity .... ⅞ in.
Twin City ..... ⅞ in
Uncle Sam ..... ⅞ in.
Utilitor ..... ⅞ in.
Velie Biltwell ..... ⅞ in.
Wallis Cub ..... ⅞ in.
Waterloo Boy .....L. ⅞ in.
Wisconsin ..... ⅞ in.

FARM, STATIONARY, MARINE AND LIGHTING ENGINES

Acadia (Canada) .... ⅞ in.
Aerothrust ..... ⅞ in.
Arrow ..... ⅞ in.
Automatic ..... ⅞ in.
Baker ..... ⅞ in.
Beaver ..... ⅞ in.
Brennan.....Metric
Buda ..... ⅞ in.
Buffalo ..... ⅞ in.
Buffalo ..... ⅞ in.
Burnett-Larsh ..... ⅞ in.
Caille ..... ⅞ in.
Challenge ..... ⅞ in.
C. H. & E. .... .Long ⅞ in.
Climax ..... ⅞ in.
Continental ..... ⅞ in.
Cook .....Long ⅞ in.
Cushman ..... ⅞ in.
Delco-Light ..... ⅞ in.
Dis-Pro (Canada) .....Long ⅞ in.
Doman ..... ⅞ in
Domestic .....Long ⅞ in.
Dominion (Canada ..... ⅞ in.
Duro ..... ⅞ in.
Easthops (Canada) ..... ⅞ in.
Economy ..... ⅞ in.
Elco ..... ⅞ in.
Elgin Gas..... ⅞ in.
Erd .....Long ⅞ in.
Evinrude ..... ⅞ in.
Fairbanks Morse..... ⅞ in.
Fairfield .....Long ⅞ in.
Falls ..... ⅞ in.
Fate ..... ⅞ in.
Fay & Bowen ..... ⅞ in.
Fisherman .....Long ⅞ in.
Florida ..... ⅞ in.
Foos ..... ⅞ in.
Friend .....Long ⅞ in.
Fuller & Johnson .... ⅞ in.
Fuller & Johnson .... ⅞ in.
Fulton .....Long ⅞ in.
Gade ..... ⅞ in.
Gibbs ..... ⅞ in.
Gierholtt ..... ⅞ in.
Golden Belknap & Swartz ..... ⅞ in.
Hawley ..... ⅞ in.
Hercules ..... ⅞ in.
Herschell Spillm'n .... ⅞ in.
Hess .....Long ⅞ in.
Hettinger ..... ⅞ in.
Hinckly ..... ⅞ in.
Holland ..... ⅞ in.
Holt ..... ⅞ in.
Ideal .....Long ⅞ in.
Imperial (Canada) .....Long ⅞ in.
Kermath ..... ⅞ in.
Kewanee ..... ⅞ in.
Koban ..... ⅞ in
Kohler .....Metric
Lake .....Metric
Lake ..... ⅞ in.
Lalley-Light ..... ⅞ in.
Langstadt-Meyer ..... ⅞ in.
Latrop .....Long ⅞ in.
Le Roi ..... ⅞ in.
London (Canada) .... ⅞ in.
Lycoming ..... ⅞ in.
Macheck .....Long ⅞ in.
Massey-Harris (Canada) .....L ⅞ in.
Matthews ..... ⅞ in.
Middletown ..... ⅞ in.
Midwest ..... ⅞ in.
Miller ..... ⅞ in.
Miller ..... ⅞ in.
Miller Improved ..... ⅞ in.
Model ..... ⅞ in.
Murray-Tregurtha .. Metric
New Way ..... ⅞ in.
New Way .....Long ⅞ in.
Niagara ..... ⅞ in.
Northway ..... ⅞ in.
Northwestern ..... ⅞ in.
Novo ..... ⅞ in.
Owen ..... ⅞ in.
Peninsular ..... ⅞ in.
Perfection ..... ⅞ in.
Phelps ..... ⅞ in.
Pierson ..... ⅞ in.
Red Wing ..... ⅞ in.
Reliance .....Long ⅞ in.
Rochester Usenberg ..... ⅞ in.
Ronning ..... ⅞ in.
Root & Vandervoort .. ⅞ in.
Rutenber ..... ⅞ in.
Sanderson .....Ex. L. ⅞ in.
Schramm ..... ⅞ in.
Standard Separator.... ⅞ in.
Stanley ..... Long ⅞ in.
Stearns ..... ⅞ in.
Sterling ..... ⅞ in.
Stover ..... ⅞ in.
Stover .....Long ⅞ in.
Supreme ..... ⅞ in
Sypher ..... ⅞ in.
Termaat & Monchan.. ⅞ in.
Turner & Moore ..... ⅞ in.
Twin City ..... ⅞ in
Unilectric .....Long ⅞ in.
Universal ..... ⅞ in.
Van Berck ..... ⅞ in.
Walker ..... ⅞ in.
Waterloo Boy .....L ⅞ in.
Waukesha ..... ⅞ in.
Weidely Bulldog ..... ⅞ in.
Western ..... ⅞ in.
Westman ..... ⅞ in.
Westman ..... ⅞ in.
Willys-Light ..... ⅞ in.
Winton .....Long ⅞ in.
Wisconsin ..... ⅞ in.
Witte ..... ⅞ in.
Wolverine .....Ex. L ⅞ in.

COLEMAN QUICK-LITE GASOLINE LAMPS

Patented May 13, 1919 — Light With Matches — Nationally Advertised



QUICK-LITE ADVANTAGES

BRILLIANT—300 Candle power strong pure white light. Brighter than 20 old style oil lamps or lanterns

SAFE—Can't spill fuel or explode even if tipped over. Can't be filled while lighted.

CLEAN—No greasy wick to trim. No dirty chimney to wash. No smoke. No soot. No odor.

ECONOMICAL—Costs less than one-half cent per hour to use.

CONVENIENT—Make and burn their own gas. Light with matches. Lamp holds 3 pints—burns 18 hours on one filling. Lantern holds quart—burns 12 hours per filling.

DURABLE—Made of brass, heavily nickel plated, and highly polished

MANTLES—All lamps on this page take No. 121 Quick-Lite Junior mantles.

SIZE—All lamps 22 in. high.

PACKING—One in carton complete with shade, two mantles, pump, wrench, hanger, cleaning pick and extra generator.

WEIGHTS—Table lamp, 10 lbs.; Chandelier, 16 lbs.; Bracket, 9 lbs.; Lantern, 6 lbs.

No. R329 **LAMP**—The most popular Quicklite. Featured in all advertising . . . . . each $12 50

No. R307 **LAMP**—With white ribbed shade. . . . . each $12.50

No. R327 **LANTERN**—Is the greatest outdoor light made. Will burn in any weather or climate. Just the light for farmers, watchmen, plumbers, garages, campers, auto tourists and all night work . . . . . each $10.50

No. R320 **CHANDELIER**—For stores, churches, school halls, etc. Two separate burners, operate one or both as desired. Casts no under shadow. With bug proof globe as shown, each . . . . . each $25 00

No. R321 **CHANDELIER**—With white ribbed shade, each . . . . . each $24 00

No. R324 **LAMP**—With beautiful mellotone opal glass green tinted, decorated with dainty hand painted wild roses. A very rich and pleasing light. Popular as a gift lamp. . . . . each $14 00

No. R319 **BRACKET LAMP**—The handy light for rooms with low ceilings, in halls bathrooms, kitchens, over desks, etc. Can be used as wall or table lamp. With white ribbed shade, each. $13 50

No. R318 **LAMP**—Has always been a tremendous seller. Shade is decorated in brown and tan tints overlaid with clusters of foliage and pink wild roses, each . . . . . each $14.00

COLEMAN QUICK-LITE LAMPS, SHADES, MANTLES AND GENERATORS

No. RG335D—Antique Gold Lamp. Regular Quick-Lite lamp finished in Antique Gold. A new popular Coleman finish. Shade 335D is tinted in tan and decorated with foliage and flowers, and bead fringe,....each *$18.50*

No. RG335C—Antique Gold Lamp. Same as above except with plain shade with raised decorations .....each, *$18.00*

One in a carton.

SHADES

No. R5329—Opal Shade is designed especially for the Quick-Lite. It is artistic and durable. A splendid value, the standard shade for Quick-Lites .....each $2.00

No. F335D—A new style shade exclusive design tinted in tan and beautifully decorated with clusters of foliage and pink wild flowers. Bead fringe ★ .....each $6.40

No. F335C—Same shade as No. 335D except has no flower decorations ★.....each *$5.90*

No. F335A—Same shade except tinted in green, no flower decorations ★ .....each $5.90

USE ONLY GENUINE COLEMAN MANTLES

To get the greatest amount of light and service out of Coleman Lamps, Lanterns and Lighting Plants, you should use only Genuine Coleman Mantles, because—

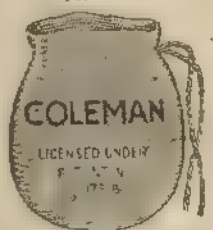
1 They work perfectly with the proper size gas tip and air intake in producing 300 candle power of pure-white light—always restful to the eyes

2 Coleman Mantles are the proper size to insure more efficient and brilliant light than is possible with ordinary mantles

3 Coleman Mantles are full size and non shrinkable.

4 They are properly reinforced at the bottom where the gas pressure is greatest, therefore cannot split at the seam or fall away.

5 They are made by a special process—especially for use on Coleman Quick Lite Lamps, Lanterns and Lighting Plants



Use only the mantles which have the name Coleman on them.

Coleman mantles are now put up one dozen in a pasteboard carton and one gross (12 cartons) in handsome and attractive counter display box

No. 41—Junior Rag 2¼ inches long for Quick-Lite Lamps and Lanterns and all other gasoline lamps using two or more junior size mantles..... per dozen *$1.50*

No. 40—Full size Standard Rag, used on system lamps, where a large high power rag mantle is needed.....per dozen *$2.20*

One dozen in a box.

QUICK-LITE GENERATORS

The Quick-Lite Generator will burn 500 to 800 hours without removing. When finally filled with carbon, replace with extra generator furnished with each lamp. The hole in gas tip, (Q18) is easily cleaned with tip cleaner as illustrated. If tip becomes clogged clean or replace with new tip furnished free with every lamp.

No. 99Q—Generator, per doz. *$6.00*

One dozen in a box.

No. R317—Lamp Crystal Frosted shade with bead fringe to match. Lamp in regular nickel finish. A very attractive lamp for the home .....each *$14.80*

One in a carton.

SHADES

No. R5324—A beautifully decorated melotone opal shade. It softens the light and has a surprising richness about it pleasing to the eye .....each *$3.70*

No. R5318—An opal shade decorated in brown and tan tints with delicate vine and small pink roses, a handsome shade,....each *$3.70*

MICA CHIMNEYS

No. 3327LQ—Complete.....each *$1.00*

BUG SCREENS

No. F333—White asbestos coated wire, for Nos. R307, 317B, R318, R322 and R324 Quick-Lite lamps each★ *$2.50*

GLOBE

No. F321—A globe made especially for the Quick-Lite. It protects the mantles from insects, each★ *$2.50*

Hibbard Hardware for Hard-Wear

★ Items Marked Thus ★ Are Shipped From Factory Only.

THE NEW COLEMAN QUICK-LITE SUPPLY CASE

A "PEACH" OF A DISPLAY—A CONSTANT REMINDER—A SELF-SELLING MERCHANDISER ALL IN ONE

A display case that will work for you. An assortment of "oftenest needed" repair parts.

Brightly colored card in cover lists all parts, contains illustrations, numbers, prices and will be of immeasurable help.

Your stock is before you and will always be a constant reminder to avoid shorts.

The metal box is free. 26 gauge metal-finished in olive green

Walls of compartments are all spot-welded together Case measures 13¾ in. long by 7¾ in. wide by 2⅝ in. deep.

If parts are retailed at their regular individual list prices the contents of each case will sell out at a profit of $15 00 which makes this proposition attractive without even considering the display value of the case at work on the counter.

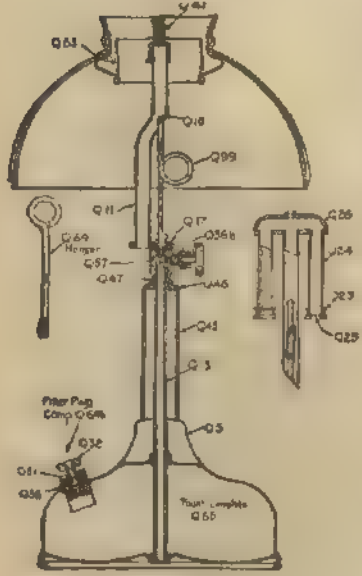
No 1000QL Quick Lite Supply Case. Containing parts as listed with metal counter display case, each $30 00

LIST OF CONTENTS

4 No. Q57 Lamp Valves
1 No Q Pumps
1 No Q11 Air Intake
1 No. Q25 Burner Cap Screens
1 No Q26 Mixing Chamber
1 No. Q56b Valve Stem and Nut
2 No C46 Handle Caps
2 No C47 Handle Lock Nuts
1 No. Q36 Gaskets
12 No. Q18 Gas Tips
2 No Q41 Shade Holder Screws
3 No. Q Wrenches
1 No. Q17 Casing
2 No Q Tip Wrenches
4 No Q64b Filler Plugs
4 No Q23 Burner Caps and Screens
4 No. Q24 Burner Tubes
2 No. LQ57 Lantern Valves
1 No. LQ55 Valve Stem and Nut
1 No. C45 Handle Fiber
3 No. C69 Lamp Hangers
6 No. Q Pump Leathers
1 No Q63 Shade Holder
2 No. LQ41 Ventilator Ball Nuts
3 No LQ Wrenches
12 No .007 Tip Cleaning Picks
12 No Q99 Generators

REPAIR PARTS FOR QUICK-LITE LAMPS AND LANTERNS

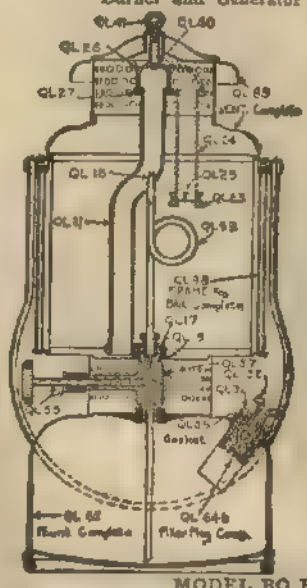
MODEL CQ QUICK-LITE LAMP



F11Q	Burner support tube only★	$0.60
17Q	Burner support casting	$0.20
18Q	Gas tip	$0.10
23Q	Burner cap complete	$0.30
24Q	Burner tube	$0.20
F25Q	Burner cap screen, 2 for★	$0.10
F26Q	Mixing chamber★	$0.80
F36Q	Fount Gasket 2 for★	$0.10
41Q	Shade holder screw	$0.10
F45C	Handle ★	$0.40
46C	Filler handle cap	$0.10
F47C	Handle lock nut★	$0.10
F56BQ	Valve stem and nut★	$0.40
57Q	Valve complete	$1.00
63Q	Shade holder, Universal	$0.40
64BC	Filler plug complete	$0.80
F65C	Fount complete★	$7.50
69Q	Hanger	$0.10
70Q	Burner, generator and valve assembled	$4.00
99Q	Generator complete	$0.50
300CR	Pump	$1.00
306CQ	Wrench	$0.30
007Q	Cleaner Needle	$0.10

MODEL LQ LANTERN

Burner and Generator Parts same as CQ Lamp



F19LQ	Burner frame washer★	$0.10
F36M	Lead Gasket, 2 for★	.10
F40LQ	Ventilator rod★	.10
F41LQ	Ventilator ball nut★	.10
F55LQ	Valve stem and nut★	.40
F57LQ	Valve complete★	1.00
F64LQ	Filler plug complete★	.80
F65LQ	Fount complete★	4.00
F70LQ	Complete burner valve and generator assembled★	5.00
F85LQ	Ventilator complete★	2.00
PCQ	Wrench★	.30

MODEL PQ CHANDELIER

Refer to Model CQ Lamp for Valve Generators and Burner parts for Chandelier and Bracket Lamps.

F36	Lead Gaskets, 2 for★	$0.10
FP64B	Filler Plug, complete★	.80
FP65	Fount with Filler Plug★	7.00
FP74	Arms and Connection complete★	4.00
306CQ	Wrench★	.30

MODEL BQ BRACKET LAMP

F36	Lead Gaskets, 2 for★	$0.10
FB42	Hanger Ring on Fount★	.10
FQ64B	Filler Plug complete★	.80
FB65	Fount with Filler Plug★	8.00
306CQ	Wrench★	.30

★ Items Marked Thus ★ Are Shipped From Factory Only.

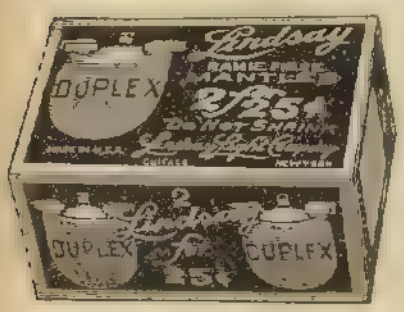
INVERTED GAS MANTLES

No. 100 LINDSAY TUNGSTEN—Special Tungsten Weave, the very highest possible quality. Doubly impregnated. Mounted on standard magnesia support
Per dozen $3.00

One dozen in a box.

No. 80 LINDSAY WIZARD—Double Weave. A well made mantle in great demand by those who prefer a triple weave at medium cost. Mounted on standard magnesia support. Per dozen.....$2.65

One dozen in a box.



LINDSAY DUPLEX

At the popular price of 2 for 25c the Sturdy Lindsay Duplex Inverted Mantle is certain to increase your sales and profits. This wonderful new mantle is packed two in a colored display box.

No. 225—Duplex will double your profits. Per dozen boxes $4.10

One in a tube, two in a box, fifty in a carton.

No. 72 LINDSAY COMET—Special Weave. A low priced mantle of exceptional quality. Mounted on standard magnesia support. Per dozen $2.35

One dozen in a box.

No. 64 LINDSAY MAGIC—Triple Weave. Made to meet the demand for a low priced serviceable mantle. Mounted on standard magnesia support. Per dozen $2.10

One dozen in a box.

No. 5333 LINDSAY FULVALU—Single Weave—good quality. Full value for the money. Mounted on standard magnesia support. Per dozen $1.80

One dozen in a box.

GASOLINE MANTLES

An inverted mantle of excellent quality. Gives a very brilliant light and is a well rounded-out mantle after burning. Gives long and satisfactory service.

No. 777—H. S. B. & Co., gathered bottom, soft tie-on, per dozen $1.10

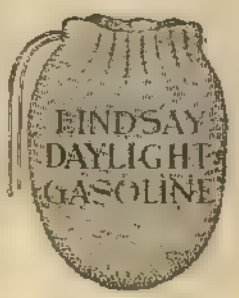
ONE DOZEN IN A PACKAGE. WE DO NOT BREAK PACKAGES

H. S. B. & CO SOFT TIE-ON

A good grade of mantle, has gathered bottom and will not give as good light or service as the sewed bottom.

No. 0118—Junior, for reading or table
Per dozen $1.50

ROSE COLORED, highest quality. Ramie fibre. Has bell shape gathered bottom, casting no shadow. Will not shrink.



No. 43 LINDSAY DAYLIGHT REGULAR, soft. For use on all inverted systems and Gasoline Portable Lanterns
Per dozen ..$1.50

No. 54 LINDSAY DAYLIGHT JUNIOR, soft. For use on all Portable Lanterns.
Per dozen $1.80

One in a Glassine Envelope.

Very highest quality gathered bottom mantles; cast no shadow. High in candle power and will not shrink

No 182 LINDSAY RAMIE JUNIOR, soft. For use on all gasoline portable lamps.
Per dozen ..$1.50

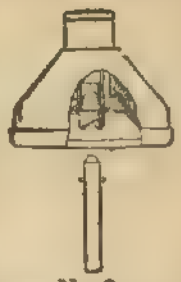
No. 181 LINDSAY RAMIE REGULAR, soft. For use on all inverted systems and lanterns.
Per dozen ..$1.25

Each Mantle in a Glassine Envelope.

IMPROVED DOMO CREAM SEPARATORS

AN UNEXCELLED SKIMMER, PERFECTLY CLEANABLE, POPULAR PRICED

No. TAX.



No. 2.

The small "AX" size, 10x13 in. base and 16 in. tall—for Domestic use only—not more than two cows, has an open solid one-piece bowl convenient to operate and as readily cleaned as a milk bottle. The "AX" size will get more cream than is possible by setting the milk skimming a single cow's milk, 8 to 12 quarts in 10 to 15 minutes. The "AX" size is usually sold without stand, but the solid stand for No. 1 also mounts the "AX".

The Nos. 10, 11, 12 and 12C are equipped with the most efficient disced bowl, described below. They may be mounted on a table or bench to operate successfully, but must stand solid to skim perfectly and not wiggle or vibrate in operation. Any vibration hinders skimming the same as does shaking or stirring milk on which cream is rising.

No. T13 Domo, 25 in. high and T14 Domo, 28 in. high are intended for 8 to 16 cows. These sizes should always be mounted on a rigid stand to avoid jarring. Properly mounted, the Domo always runs smoothly and noiselessly.

DOMO'S loose, overhung, self-balancing, small, all pressed steel bowl, with gears running in a constant oil bath and with bronze brushed bearings insures the smoothest, easiest running.

DOMO'S bowl is most simple and compact as made of fewest parts possible to cleanest skimming, is quickly and completely taken apart to clean as perfectly as a china plate and as readily re-assembled, features of the utmost importance in its daily use.

DOMO'S unexcelled skimming which is of first importance, combined with its superior construction, accounts for its most satisfactory service and the success it enjoys.

DOMO'S bowl discs are mixable, but best skimming results from keeping the discs in the same order after it is put into service. It will also skim cool milk, which however, is discouraged as a wasteful practice.

Kept in condition and handled according to DIRECTIONS, DOMO pays for itself in a short time in the extra cream it takes out of the milk, skimming so perfectly that less than 2 100ths of 1% of fat remains in the skimmed milk, an amount imperceptible except by Babcock test.

DOMO is most handy in consequence of its compactness and simplicity, yet it has the capacity of larger, heavier separators, and excepting the small "AX" and "BX" sizes, has oil bathed gears as illustrated Fig. 1, and with its small, light, highly efficient, loose overhung self-balancing bowl—Fig. 2—and bronze bushed bearings is easiest running.

Nos. T10, T11 and T12. Without Stand.

No. TAX—Domo—Capacity 90 lbs. or 9 gals. per hour, w't boxed 35 lbs., without stand, each $30.00

No. T10—Domo—Capacity 180 lbs. or 18 gals. per hour, w't boxed 50 lbs., without stand, each $40.00

No. T11—Domo—Capacity 220 lbs. or 22 gals. per hour, w't boxed 55 lbs., without stand, each $50.00

No. T12—Domo—Capacity 300 lbs. or 30 gals. per hour, w't boxed 70 lbs., without stand, each $60.00

No. T13—Domo—Capacity 450 lbs. or 45 gals. per hour, w't boxed 112 lbs., without stand, with tank bracket ..... each $70.00

No. T13S—Domo—Boxed with loose stand w't 167 lbs. ..... each $78.00

No. T14S—Domo—650 lb., 65 gal. per hour, boxed, with loose stand, w't 195 lbs. ... each $90.00

EXTRA STANDS

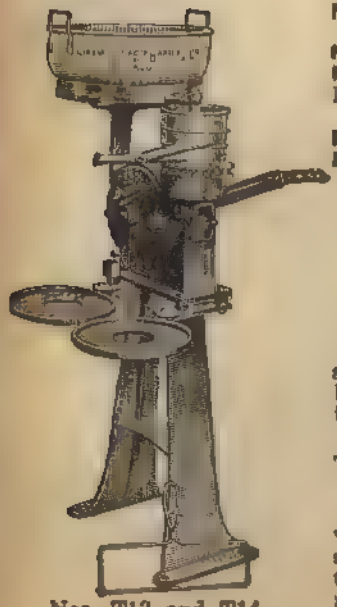
No. T1—For Nos. TAX, T10 and T11 Domos, w't each 45 lbs., loose, extra ..... each $7.50

No. T2—For No. T12 Domos, w't each 50 lbs., loose, extra ..... each $7.50

For list of separate parts and details of operation, see DOMO DIRECTIONS with every separator

No. T3—For T13 Domo, w't each 55 lbs., loose, extra ..... each $8.00

No. T4—For T14 Domo, w't each 55 lbs., loose, extra ..... each $10.00



Nos. T13 and T14. With Stand.

ASK FOR DOMO PRINTED MATTER FOR DISTRIBUTION

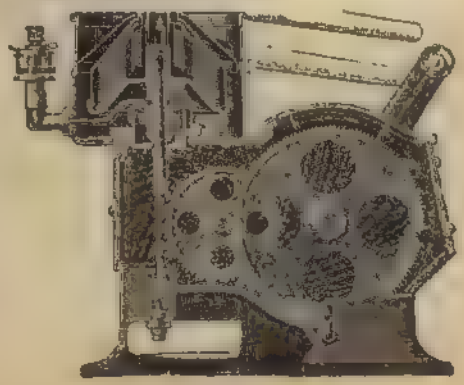
For Domo Repairs see Page 966-967.

IMPORTANT

Every DOMO, when carefully set up so it runs smooth will skim perfectly if operated according to DIRECTIONS, kept in nice running condition and the bowl kept bright and sweet.

See description of DOMO'S details in DIRECTIONS packed with every separator.

Always URGE the purchase of a separator somewhat larger than is needed, as a larger size skims small lots of milk equally clean or when required, the milk of more cows, or the increased quantity of milk when cows are fresh.



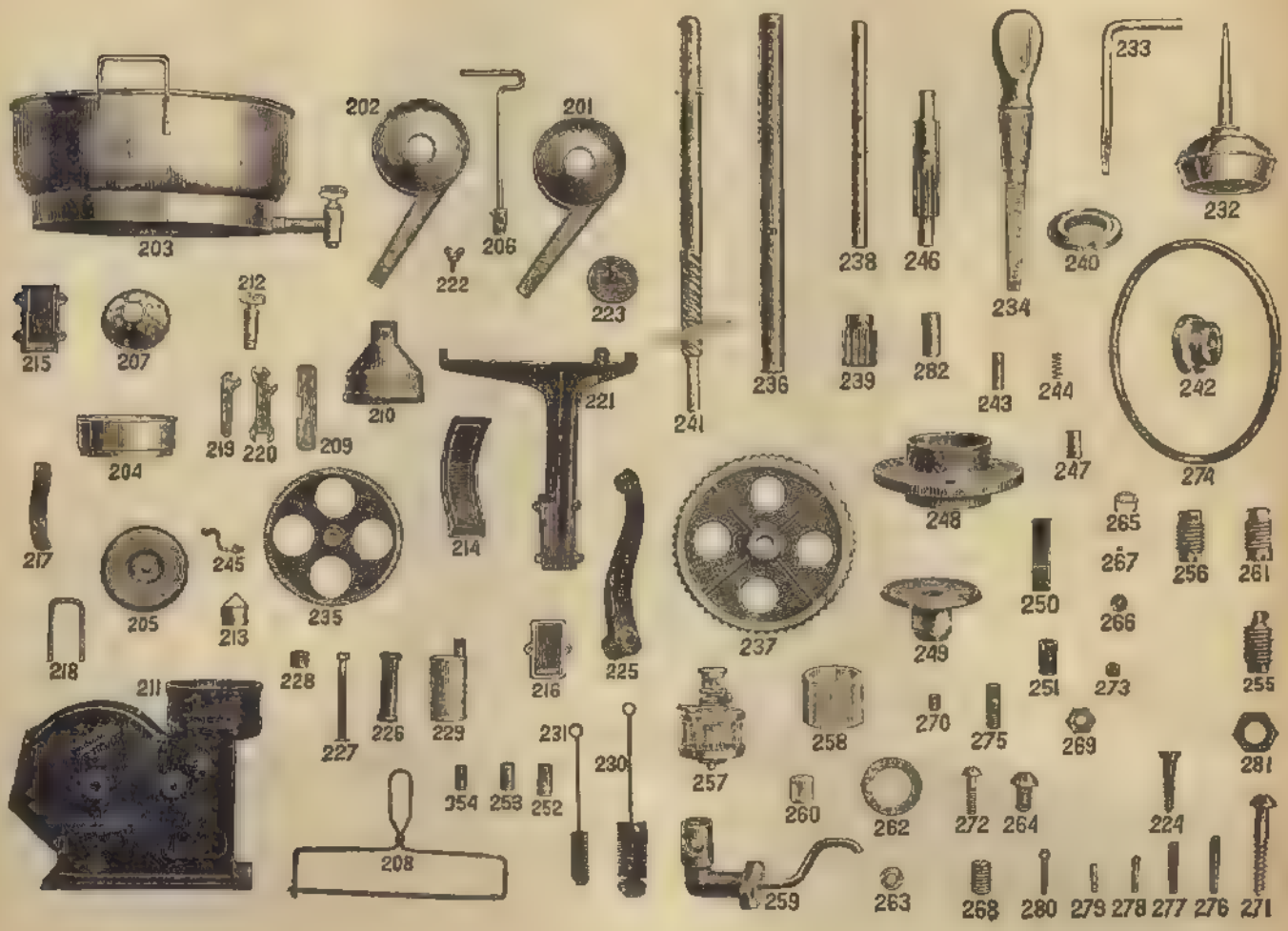
No. 1.

ILLUSTRATIONS OF REPAIRS FOR DOMO SEPARATORS

Nos. 11, 12, 13, 23, 24, 25 and AX

In ordering always specify the number and name of the part and the size of the separtor.

Thus: 1 — No. 274 Ring for No. 12 DOMO



FOR LOW MODEL EXCLUSIVELY

REPAIRS FOR CRUSO SEPARATORS

Always state the name and number of the parts wanted, as well as the capacity and serial number of your separator.

No.	Name of Part	List Price	Shipping Weight lbs.	oz.
143	Thrust Bearing	$0.30	0	2
144	Gear Cap Pin	.15	0	2
145	Ratchet Hub Shell	.20	0	2
146	Toe Bearing Pin	.15	0	2
147	Lock Nut Spindle Bearing	.10	0	4
148	Lock Nut Main Shaft Bearing	.10	0	4
149	Adjusting Screw for Spindle	.30	0	3
150	Adjusting Screw for Main Shaft.	.30	0	3
151	Bowl Casing Drip Tube	.10	0	2
152	Ball, Main Shaft Bearing	.10	0	1
152	Ball, Spindle Bearing	.10	0	1
153	Thumb Screw	.10	0	1
154	Thumb Screw Gasket	.10	0	1
155	Spider Bolts, 3, each	25	0	4
156	Milk Tank, without Faucet	6.50	9	0
157	Milk Tank, Complete with Faucet, 375, 550, 675	8 70	9	8
158	Milk Tank with Faucet, 825	9.00	9	8
159	Faucet for 375, 550 and 675	1 75	0	8
160	Faucet for 825-lb. capacity	2.00	0	8
161	Disc Cleaner	1.25	1	4
162	Float Cup	2.50	1	8
163	Bowl Wrench	35	0	6
164	Screw Driver	20	0	3
165	Wire Handle Spout Brush	.10	0	6
166	Wood Handle Bowl Brush	.40	0	6
167	Separator Oil		0	0
168	Oil Can	30	0	6
169	Power Pulley Complete	10.00	19	0
170	Bowl Top	4.00	1	8
171	Skimming Discs, Plain	.40	0	6
172	Skimming Discs, Cleated	50	0	6
173	Disc Holder	2.50	1	0
174	Bowl Nut	1.00	0	8
175	Cream Cone	2.50	0	12
176	Bowl Shell	10.00	4	0
177	Governor Weights and Pin	1.50	0	6
178	Speedometer Collar	.45	0	2
179	Speedometer Lift Rod	.40	0	2
180	Speedometer Dial	.75	0	3
181	Speedometer Weight Lever	.40	0	2

No.	Name of Part	List Price	Shipping Weight lbs.	oz.
100	Rubber Ring	$0.20	0	1
101	Cream Screw, 375, 550, 675-lb. capacity	.20	0	1
102	Cream Screw, 825-lb. capacity	.20	0	1
103	Float	1.00	0	8
104	Milk Cover	2 50	1	8
105	Cream Cover, 375, 550, 675	2.50	1	8
106	Cream Cover, 825-lb.	2.50	1	8
107	Bowl Spindle	3.50	1	4
108	Bowl Spindle Collar	.10	0	2
109	Neck Bearing	1.25	0	4
110	Neck Bearing Cushion	15	0	1
111	Neck Bearing Anchor Pin	.10	0	1
112	Pressure Screw for Neck Bearing	.25	0	2
113	Handle Wood	20	0	4
114	Handle Bolt	30	1	0
115	Handle Bolt Nut	.10	0	4
116	Crank	1.00	3	0
117	Crank Shaft	.75	2	0
118	Crank Pin	.10	0	2
119	Crank Shaft Collar Pin	.10	0	2
120	Gear Cap	1.00	3	0
121	Main Frame	15.00	60	0
122	Tank Bracket	1.50	6	8
123	Bracket Screws, 2, each	.15	0	3
124	Bevel Gear	3.00	7	0
125	Bevel Gear Set Screw	.10	0	2
126	Leg Screws, 4, each	.10	0	3
127	Main Shaft, Hub and Pin	4.50	3	8
128	Helical Gear	3.50	4	8
129	Helical Gear Hub Pin	.15	0	2
130	Main Shaft Hub Pin	.10	0	2
131	Spider	2.00	5	0
132	Lower Main Shaft Bearing	.60	0	3
133	Lower Spindle Bearing	.60	0	3
134	Base	9.00	45	0
135	Base Bolts, 2, each	.15	0	6
136	Screw for Helical Gear, each	.10	0	2
137	Ratchet Hub	.35	0	6
138	Ratchet Hub Pin	.10	0	2
139	Ratchet Ball, 2, each	.10	0	1
140	Bevel Pinion	2.00	0	4
141	Retainer	.10	0	2
142	Retainer Pin	.10	0	2

REPAIRS FOR DOMO CREAM SEPARATORS

Revised Price List Effective July 1, 1918.

For Nos.	Each 10 and 11	Each 12	Each 13	Each 23	Each 24	Each 25	Each A-X
201 Skim Milk Spout Pan	$5 60	6.00	6 30	6.30	7.00	7 00	4.95
202 Cream Spout Pan	5.60	6.00	6 30	6 30	7.00	7 00	4 95
203 Milk Tank	19 60	22 50	35 15	35 15	42 20		18.00
204 Float Pan	5 60	6.00	6 30	6.30	7 00		4 95
205 Float	2 28	2 80	2 80	2 80	2 80	7 00	2 00
206 Milk Tank Plug	2 45	2 45					1 70
207 Bowl Disc	.70	85	1 05	1 05	1.26	1 40	
208 Disc Washing Holder	1 15	1 15	1 25	1 25	1 25	1 25	
209 Bowl Nut Key	70	70	85	85	.85	85	
210 Bowl Complete	Price on Application						
211 Cast Gear Case with ut Gears	Price on Application						
342 Faucet Plug for Milk Tank			2 80	2 80	2 80	2 80	
213 Waste Oil Drip Cup		45	60	60	.60	.60	
214 Top Cover for Gear Case	1 10	1 40	1 75	1 75	1 85	1.85	
215 Back Cover for Gear Case	60	.80					
216 Front Cover for Gear Case	.60	.70	85	85	90	90	
219 Wrench	42	42	42	42	42	.42	
220 Wrench	1 05	1 05	1 05	1 05	1 05	1 05	1 05
221 Milk Tank Bracket			7.75	7.75	8 30	9 00	
222 Wing Nut for Tank			35	.35	35	.35	
223 Bowl Stud Plate			85	85	85	1 00	
224 Screw for No 223			.10	.10	10	10	
225 Crank	2 45	2.80	3 50	3 50	3 50	4 00	2 75
226 Crank Wood	.40	.45	55	.55	.55	.70	.4
227 Crank Wood Shaft with Nut	2 05	2.05	2 45	2 45	2 50	2 75	2 00
228 Wood Feet for Case	.10	.10	10	10	.10	10	
230 Cleaning Brush	.45	.45	.45	45	.45	.45	45
231 Cleaning Brush	.45	.45	45	45	45	45	45
233 Milk Screw Wrench	42	.42	42	42	42	60	42
234 Screw Driver	1 00	1.05	1 05	1 05	1 05	1 25	1 00
235 Crank Wheel	4.00	4 80	7 00	7.00	7 75	10 00	3 85
236 Crank Wheel Shaft	2.00	2.80	3 50	3.50	4.20	4 50	2.50
237 Worm Wheel	9.15	10 50	11 25	11.25	13.75	16 00	7.50
238 Worm Wheel Shaft		2 10	2 10	2.10	2 25	3 00	
239 Pinion		2 45	2 80	2 80	2 80	4 00	1 85
240 Bowl Nut	1.68	1 68	2 10	2 10	2 25	3 00	
241 Bowl Spindle or Shaft	6 00	6 00	8 40	8 40	9 15	10 00	6 00
242 Crank Ratchet Washer	1 00	1 00	1 40	1 40	1 40		1 00

For Nos.	10 and 11	12	13	23	24	25	A-X
	Each	Each	Each	Each	Each	Each	Each
243 Pin or Dog for No. 242	25	25	.25	25	.25	.25	.20
244 Ratchet Spring, U S.	25	.25	.25	.25	.25	.25	.25
245 Waste Oil Syphon Pipe			1.40	1.40	1.40	1.40	
246 Pinion with Shaft	3.50						
248 Neck Bearing Plate	1.05	1.40	1.75	1.75	1.75	2.50	1.05
249 Neck Bearing Sleeve or Bushing	2.15	3.15	3.85	3.85	3.85	5.00	2 15
250 Neck Bearing Spring	30	30	.35	35	35	40	30
251 Bottom Bearing Sleeve	1.50	2.10	2.45	2.45	2.75	1.25	
252 Long Crank Shaft Bushing		1.75	2 10	2.10	2.55	3.00	
253 Short Crank Shaft Bushing		1.25	1.68	1.68	2.10	3.00	
254 Worm Shaft Bushing	.70	1.00	1.00	1.00	1.12	1.50	
255 Lower Spindle Solid Bearing with No. 281 Nut	.85	1 05					.80
257 Automatic Oil Cup		4 20	5.25	5.25	5.25	6.00	
258 Large Oil Cup Glass		.50	.60	.60	.60	.60	
259 Automatic Oil Cup Tube		1.75	2 50	2.50	2.50	3.50	
260 Small Oil Cup Glass		.25	.25	.25	.25	.25	
261 Lower Spindle Ball Bearing			3 75	3 75	3 75	4 00	
262 Large Packing for No. 257 Oil Cup			.25	.25	.30	.30	
263 Packing Cup for No. 257 Oil Cup		.10	.10	.10	.10	.10	
264 Screws for Oil Cup Tube Plate		.10	.10	.10	.10	.10	
264 Screws for No. 248	.10	.10	.10	.10	.10	.10	.10
265 Spring Clips for No. 261			.15	.15	.15	.15	
266 Ball Covers for No. 261			.95	.95	.95	.95	
267 Balls for No. 261			.08	.10	.10	.10	
268 Set Screw and Nut for Worm Shaft	.90	.90	.90	.90	.90	1.00	.90
273 Bowl Skimming Screw	.25	.25	.45	.45	.50	.50	.25
274 Bowl Rubbers	30	30	.35	.35	.40	.40	
276 Taper Pin for No. 242	.25	.20	.20	.20	.20	.20	.20
277 Taper Pin for Crank Wheel	.10	.10	.12	.12	.12	.12	.10
278 Taper Pin for Pinion 239		10	.10	.10	.15	.15	.10
279 Taper Pin for Worm Wheel	.10	10	.10	.10	15	15	.10
280 Cotter Pin for Spindle	.20	.20	.20	.20	.20	.20	.20
281 Lock Nut for Nos. 255 and 261				.45	.45	.60	
282 Bowl Case Drip Pipe	30	30	30	30	.30	30	

THE FOLLOWING FOR LOW MODEL EXCLUSIVELY

For Nos.	23	24	25
	Each	Each	Each
283 Drive Chain	$5.00	5.50	$.75
284 Crank Bracket	6 25	6.25	6 25
285 Lower Sprocket Wheel	2 50	2 50	2 50
286 Upper Sprocket Wheel	2 75	2.75	2.75
287 Side Cover to Chain Case	1 25	1 25	1 25
288 Base for Case	8 25	8 25	8 25
289 Upper Sprocket Hub	2.75	2 75	2.75
290 Lower Sprocket Hub	3 15	3 15	3.15
291 Nut with No. 298	25	25	25

P. P. Cab.

For Nos.	23	24	25
	Each	Each	Each
292 Nut for Worm Wheel Shaft	$0.25	.25	.25
293 Nut for Crank Bracket on Case	.25	.25	.25
294 Lower Bowl Bearing	.10	.10	.10
295 Screws for Cover 287	.25	.25	.25
296 Lower Gear Wheel Shaft	2.25	2.35	5.00
297 Chain Screw	.25	.25	.25
298 Bolt for Base with 29 Nut	.25	25	.25
299 Bolt for Crank Bracket with 293 Nut	25	25	.25

CASTING MINNOWS

DOWAGIAC

Bodies Made of Select Cedar; Covered with Nine Coats of Waterproof Enamel; Nickel Plated Hooks; the Patented Method of Attaching the Hooks Enables the Lure to Dive, Float or Troll Through Weeds, the Hooks Sockets Always Hold the Hooks Outwards, So that the Points are Always Presented to the Fish; Hooks Cannot Become Entangled or Mar the Enamel on the Body; Large Glass Eyes; Correctly Weighted So They Will Always Float in An Upright Position; No Swivels Necessary as Bodies Will Not Revolve; Spinners Revolve in Opposite Direction.

A Straight Revolving Spinner Movement in the Water, Equipped with Fin Device Which Causes it to Submerge to a Nice Depth When Retrieved.

SPIN-DIVER

Length Over All, 4⅜ inches; Weight, 1 oz.

		Per Dozen
No. 3000—Fancy Green Back	$16 00	12 00
No. 3000S—White Spotted	16 00	12 00
No. 3001—Rainbow	16 00	12 00
No. 3002—White Body, Red Head	16 00	12 00
No. 3009A—Yellow Perch	16 00	12 00
No. 3009B—Frog	16 00	12 00
No. 3009D—Green Scale Finish	16 00	12 00
No. 3009H—Red Scale Finish	16 00	12 00
No. 3009J—Green and Yellow Scales	16 00	12.00
No. 3009K—Scale Finish Gold Fish	16 00	12 00
No. 3009L—Scale Finish Yellow Perch	16 00	12.00

Twelfth Dozen in a Box

TAD-POLE

Wiggling Movement in the Water; Dives and Runs Rather Deep When Retrieved; Length Over All, 4⅝ inches; Weight, ¾ oz.

		Per Dozen
No. 6000—Fancy Green Back	$16 00	12 00
No. 6000S—White Spotted	16 00	12 00
No. 6001—Rainbow	16 00	12 00
No. 6002—White Body, Red Head	16 00	12 00
No. 6009A—Yellow Perch	16 00	12 00
No. 6009B—Frog	16 00	12 00
No. 6009D—Green Scale Finish	16 00	12 00
No. 6009H—Red Scale Finish	16 00	12 00
No. 6009J—Green and Yellow Scales	16 00	12 00
No. 6009K—Scale Finish Gold Fish	16 00	12 00
No. 6009L—Scale Finish Yellow Perch	16 00	12 00
No. 6009P—Natural Perch Scale Finish	16 00	12 00

Twelfth Dozen in a Box

TAD-POLE

Wiggling Movement in the Water; Dives and Runs Rather Deep When Retrieved; Length Over All, 3⅜ inches; Weight, ½ oz.

		Per Dozen
No. 5000—Fancy Green Back	$16 00	12 00
No. 5000S—White Spotted	16 00	12 00
No. 5001—Rainbow	16 00	12 00
No. 5002—White Body, Red Head	16 00	12 00
No. 5009A—Yellow Perch	16 00	12 00
No. 5009B—Frog	16 00	12 00
No. 5009D—Green Scale Finish	16 00	12 00
No. 5009H—Red Scale Finish	16 00	12 00
No. 5009J—Green and Yellow Scales	16 00	12 00
No. 5009K—Scale Finish Gold Fish	16 00	12 00
No. 5009L—Scale Finish Yellow Perch	16 00	12 00
No. 5009P—Natural Perch Scale Finish	16 00	12 00

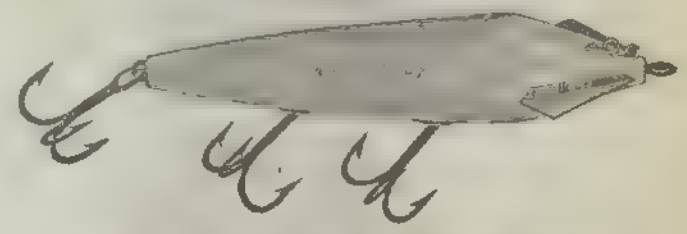
Twelfth Dozen in a Box

DOWAGIAC

A Deep Diving Wiggling Lure with Spinning Imitation Pork Rind Attachment; Specially Designed for Mid-Summer Fishing in Northern Lakes; Length Over All, 5½ inches; Weight, ½ oz.

		Per Dozen
No. 7002—White Body, Red Head	$16 00	12 00
No. 7009D—Scale Finish	16 00	12 00
No. 7009E—Black Mottled Back, Yellow Body	16 00	12 00
No. 7009F—Yellow Body, Black Back	16 00	12 00
No. 7009H—Red Scale Finish	16 00	12 00
No. 7009J—Green and Yellow Scales	16 00	12 00
No. 7009K—Scale Finish Gold Fish	16 00	12 00
No. 7009L—Scale Finish Yellow Perch	16 00	12 00

Twelfth Dozen in a Box



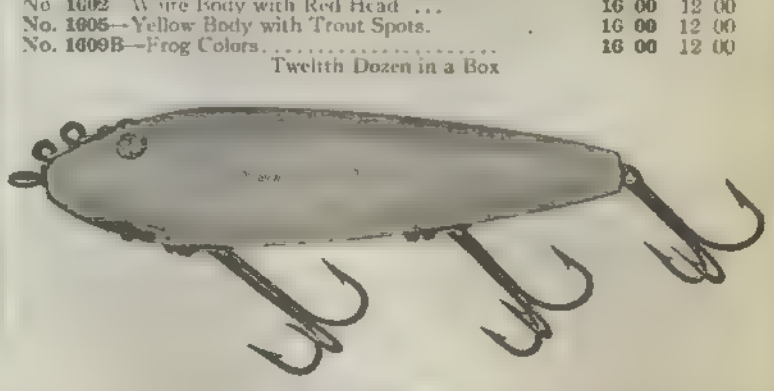
FLOATING, DIVING AND WIGGLING MINNOW

When Cast Upon the Water These Baits are Buoyant Enough to Float Themselves and the Weight of the Line, and the Instant They are Retrieved Will Dive Under the Water to a Successful Depth for an Under Water Bait, Describing a Wabbling or Swinging Movement as it is Reeled In.

Length of Body, 4½ inches; Three No. 1/0 Bright Spear Point Treble Hooks; Weight Each, 1¼ ozs.

		Per Dozen
No. 1600—Fancy Mottled Green Back, White Body	$16 00	12.00
No. 1600S—Special, White Body with Red and Green Spots Effect	16 00	12 00
No. 1602—White Body with Red Head	16 00	12 00
No. 1605—Yellow Body with Trout Spots	16 00	12 00
No. 1609B—Frog Colors	16 00	12 00

Twelfth Dozen in a Box



WIGGLER

Floats When at Rest and Dives and Describes a Most Alluring Wiggling Movement When in Action Spinning Near the Surface, Closely Resembling the Movements of a Live Fish; Equipped With the Newly Invented Variable Position for Fastening Lines as Described Above on Number 1600 Series.

Length of Body, 4 inches; Equipped with Three No. 1/0 Bright Spear Point Treble Hooks; Weight Each, 15 pwts.

		Per Dozen
No. 1700S—White Body with Red and Green Spotted Effect	16 00	12 00
No. 1702—White Body, with Red Head	16 00	12 00
No. 1705—Yellow Body with Red and Green Spots and Green Back	16 00	12 00
No. 1709B—Frog Colors	16 00	12.00

Twelfth Dozen in a Box

CASTING MINNOWS

DOWAGIAC

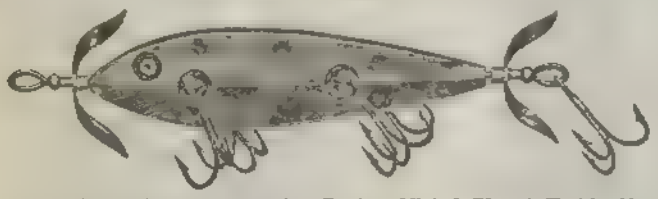
Bodies Made of Select Cedar, Covered with Nine Coats of Waterproof Enamel. Nickel Plated Hooks; The Patented Method of Attaching the Hooks Enables the Fisherman to Detach Them if Broken Through Accident; The Hook Sockets Always Hold the Hooks Outwardly So That the Points are Always Presented to the Fish; Hooks Cannot Become Entangled or Mar the Enamel on the Body. Large Glass Eyes; Correctly Weighted so They will Always Run Perfectly Upright in the Water. No Swivels Necessary as Spoons Will Not Revolve. Spinners Revolve in Opposite Direction

A Straight Revolving Spinner Movement in the Water; Equipped with Fin Device Which Causes it to Submerge to a Nice Depth When Retrieved.

A New Design with Five Flat Surfaces and Side Hooks Mounted on a Ridge with Body of Minnow Sloping Away from the Hooks, Leaving Them in the Clearest Possible Position for Efficiency. Two Spinners, Three Extra Strong Dowagiac Design Nickel Plated Treble Hooks; Length of Body 3 inches.

		Per Dozen
No. 0—White Body, Red and Green Decorations	$16 00	12 00
No. 01—Yellow Body, Red, Green and Black Decorations	16 00	12 00
No. 02—Red Body with Black Decorations	16 00	12 00

Twelfth Dozen in a Box; Weight per Dozen, 2¼ lbs.



Five Extra Strong Dowagiac Design Nickel Plated Treble Hooks, Length of Body 3½ inches.

		Per Dozen
No. 00—White Body, Red and Green Decorations	$16 00	12 00
No. 001—Yellow Body, Red, Green and Black Decorations	16 00	12 00
No. 002—Red Body with Black Decorations	16 00	12 00

Twelfth Dozen in a Box; Weight per Dozen, 2¾ lbs.

CRAB WIGGLER

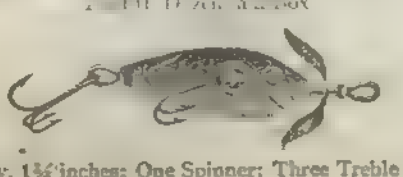
A Novel Bait Drawn Through the Water Tail First, the Movement so Closely Resembling That of the Live Crab That it is Irresistible to Game Fish. A Record Breaker on Bass, and Equally Deadly on Muscallonge, Pike, Pickerel and Other Fresh Water Fish. Floats When Not in Motion, Dives Under Water When Retrieved, the Movement Being a Pronounced Wiggle, Stimulating the Movement of a Crab when Moving Backward Away from Danger.

With Treble Hooks.

Equipped with Two No. 1 0 Hollow Point Treble Hooks, [illegible] of Body [illegible] Weight Approximately, [illegible] ozs.

		Per Dozen
No. 1800—Fancy Green Back	$16 00	12 00
No. 1800 S—White Body, Red and Green Spots	16 00	[illegible]
No. 1801—Rainbow	16 00	12 00
No. 1802—Silver White	16 00	12 00
No. 1809 A—Yellow Perch	16 00	12 00
No. 1809 B—Imitation Frog	16 00	12 00
No. 1809 C—Imitation Crab	16 00	12 00
No. 1802 [illegible]	16 00	12 00
No. 1805 [illegible]	16 00	12 00
No. 1809 D—[illegible]	16 00	12 00
No. 1809 H—[illegible]	16 00	12 00
No. 1809 J—[illegible]	16 00	12 00
No. 1809 K—[illegible]	16 00	12 00
No. 1809 L—[illegible]	16 00	12 00

[illegible] Dozen in a Box



Length Body, 1¾ inches; One Spinner; Three Treble Hooks; Weight Each, ½ ounce.

		Per Dozen
No. 22—White Body, Red Eyes	$16 00	12.00
No. 29D—Green Scale Finish	16 00	12 00
No. 29L—Yellow Perch Scale Finish	16 00	12 00

Twelfth Dozen in a Box

CRAB WIGGLER

With Double Hooks

Equipped with Two No. 3/0 Hollow Point Double Hooks and a Flexible Imitation Pork Rind Strip Attached to the Rear Hook. Length of Body 3 inches; Weight Approximately, 1 ounce.

		Per Dozen
No. 1900—Fancy Green Back	16 00	12.00
No. 1900 S—White Body, Red and Green Spots	16 00	12.00
No. 1901—Rainbow	16 00	12 00
No. 1902—White Body, Red Head	16 00	12 00
No. 1905—Yellow Body, Red and Green Spots and Green Back	16 00	12 00
No. 1909 A—Yellow Perch	16 00	12.00
No. 1909 B—Imitation Frog	16 00	12 00
No. 1909 C—Imitation Crab	16 00	12 00
No. 1909 D—Green Scale Finish	16 00	12 00
No. 1909 H—Red Scale Finish	16 00	12 00
No. 1909 J—Green and Yellow Scale	16 00	12 00
No. 1909 K—Scale Finish Gold Fish	16 00	12 00
No. 1909 L—Scale Finish Yellow Perch	16.00	12 00

Twelfth Dozen in a Box

SURFACE

Length Body, 3½ inches; One Double Hook on Bottom, One at Tail; Nickeled Collar; Weight Each, ⅔ ounce.

		Per Dozen
No. 210BH—White Body, Blue Head	$16 00	12 00
No. 210RH—White Body, Red Head	16 00	12.00
No. 219B—Frog Coloration	16 00	12 00
No. 219D—Scale Finish, Natural Green	16 00	12.00

Twelfth Dozen in a Box

MUSKY

Extra Heavy; Best Suited for Trolling for Muscallonge and the Smaller Salt Water Game Fish; Two Spinners; Two Extra Strong Hollow Pointed Treble Hooks on Sides. One 5/0 Hollow Point Treble Hook at Tail.

		Per Dozen
No. 700—Fancy Green Back, White Belly	$20 00	[illegible]
No. 701—Rainbow	20 00	[illegible]
No. 709A—Yellow Perch	20 00	15.00

Twelfth Dozen in a Box

CASTING MINNOWS

DOWAGIAC

Bodies Made of Select Cedar, Covered with Nine Coats of Waterproof Enamel. Nickel Plated Hooks. The Patented Method of Attaching the Hooks Enables the Fisherman to Detach Them Instantly in Case of Accident. The Hook Sockets Allows the Hooks Outwardly so That the Points are Always Presented to the Fish. Hooks Cannot Become Entangled or Mar the Enamel on the Body. Large Glass Eyes. Correctly Weighted so They Will Always Float in an Upright Position, No Swivels Necessary as Baits Will Not Revolve. Spinners Revolve in Opposite Direction.

A Straight Revolving Spinner Movement in the Water, Equipped with Fin Device Which Causes it to Submerge to a Nice Depth When Retrieved.

WILDER-DILG LURES

The New Wilder-Dilg Lure Minnow Closely Imitates the Movement of a Wounded Minnow at Which Game Fish Instantly Attack. A Perfect Lure to Use in Weedy Places Where Other Baits Get Fouled in the Tall Weeds and Grass.

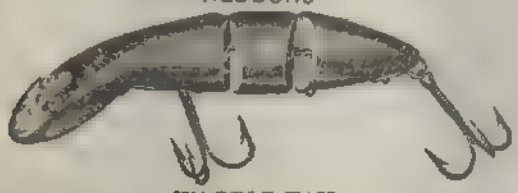
Regular Bass Size, 1 O'Shaughnessy Hook; Length of Lures Over All, 2¼ inches; Weight, 1-20 oz.

Nos.	Head	Hackles	Body
WD1 Capt. Simpson	Blue	Wh&Or	White
WD2 Mansfield's Coaxer	R	R	R
WD3 Wendell's Charmer	Gr	R&Y	Y
WD4—Kemper's Charge	Gr	R&Br	Br
WD5—Irvin Cobb	Br	Or	Or
WD6 Wilder's Fancy	Bl	Or&Bl	Or
WD7—Peet's Choice	Wh	Wh	Wh
WD8 –Zane Grey	Br	Br	Br
WD9—Gifford Pinchot	R	Br	Wh
WD10—Brann's Glory	Silver	Br&Y	Y
WD11 Dilg's Own	Gr	Y&Wh	Wh
WD12—Bob Davis	Y	Y	Y
WDT30—Irvin Cobb	R	R&Y	R
WDT31—Brann's Glory	Gr	Gr Md	W&Bl
WDT32—Wilder's Fancy	Bl	Or&Bl	Or
WDT33 –Zane Grey	Br	Br	Br
WDT34—Dilg's Own	Wh	R&Wh	Wh
WDT35—Bob Davis	Y	G&Y	Y

	Per Dozen
All Above Numbers	$12 00 9.00

Twelfth Dozen in a Box

HEDDONS



WAGGLE TAIL

Flexible, Triple Acting Body; Liveliness that Out-Natures Nature; Floats While at Rest, Runs Deep when Retrieved; Casts Easily; This Lure is Sturdily Built to Withstand the Most Savage Attacks of Large Game Fish; Equipped with Two Trebles; Length of Body 4⅜ inches; Weight Each, ¾ ounce.

	Per Dozen
No. 5501 Rainbow	$16 00 12 00
No. 5502 White Body, Red Head and Tail	16 00 12 00
No. 5509D Green Scale	16 00 12 00
No. 5509P Shiner Scale	16 00 12 00

Twelfth Dozen in a Box

VAMPIRE

Resembles a Baby Pike; Flat Shaped Nose Causes it to Dart Through the Water Like a Live Fish; Finish Guaranteed Not to Crack or Peel; Has Three Treble Sharp Hooks, Length Over All, 4¾ inches; Weight, 1 oz.

	Per Dozen
No. 7501 Rainbow	$16 00 12 00
No 7502 White Body, Red Head and Tail	16 00 12 00
No 7509M New Perch	16 00 12 00
No. 7509D Green Scale Finish	16 00 12 00
No. 7509P—Natural Perch; Scale Finish	**16 00 12 00**

Twelfth Dozen in a Box

WALTON FEATHER-TAIL

This New Feather-Tail Lure is a Sure Getter; a Sporting Killer Bound to Awaken the Unstinted Praise of Any Angler; Sinks Rapidly, and the Combination of Spinner and Feather is Very Effective, Practically Weedless. It is Ideal for Use in Lily Pads and Weeds where the Big Ones Lie; Equipped with a 6/0 O'Shaughnessy Hook, Length of Body, 4 inches Over All Length of Feather Tail, 2½ inches Weight Each, ⅝ ounce.

	Per Dozen
No. 42—Red and White	**$16 00 12.00**
No. 42G—Black Body, Orange Tail	**16 00 12.00**
No. 42P—Shiner Scale, with Gray Tail	**16 00 12 00**
No. 42M—Pike Scale, Green and Yellow Tail	**16 00 12.00**

One in a Box

SPECIAL EXPERT

The Original Dowagiac Surface Casting or Skittering Bait Without Revolving Parts; Semi-Weedless with Two Trebles on Bottom and One at Tail; Length of Body, 5 inches; Weight per Dozen, 2⅝ lbs.

	Per Dozen
No. 200SW—White Body with Red Collar and Blue Snout	**$16 00 12.00**
No. 200SF—Frog Back; Green with Black Spots	**16 00 12.00**

One in a Box

Has a Most Attractive and Erratic Swimming Movement, Running About 18 inches Below Surface When Retrieved; Floating When at Rest; Length of Body, 4 inches; Weight, ⅝ oz.

	Per Dozen
No. 2500—Fancy Green Back	**$13 60 10 20**
No. 2502—White Body; Red Head	**13 60 10 20**
No. 2509D—Natural Scale Finish	**13 60 10 20**
No. 2509H—Red Scale Finish	**13 60 10 20**
No. 2509J—Frog Scale	**13 60 10 20**
No. 2509L—Yellow Perch; Scale Finish	**13 60 10 20**

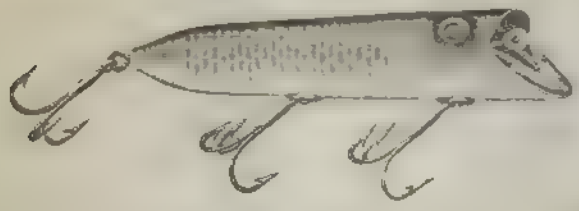
One in a Box

CASTING MINNOWS

DOWAGIAC

Bodies Made of Select Cedar, Covered with Nine Coats of Waterproof Enamel; Nickel Plated Hooks; the Patented Method of Attaching the Hooks Enables the Fisherman to Detach Them (if Broken Through Accident); the Hook Sockets Always Hold the Hooks Outwardly so that the Points are Always Presented to the Fish; Hooks Cannot Become Entangled or Mar the Enamel on the Body; Large Glass Eyes; Correctly Weighted so They will Always Float in an Upright Position. No Swivels Necessary as Bodies Will Not Revolve; Spinners Revolve in Opposite Direction.

HEDDON BASSER



A New Novel Shark Type Bait Which is Proving Very Popular; Peculiar Type of Head Gives a Very Live Action in the Water for All Game Fishing; Floats When Not in Motion; Equipped with Three No 1/0 Hollow Point Treble Hooks; Extreme Length of Body, 4⅜ inches; Weight Each, ⅝ oz ; Equipped with a Piece of Metal Resembling Shark Teeth on the Face of the Minnow, on Which the Above Trade Mark is Stamped.

		Per Dozen
No. 8500—Fancy Green Back Finish	$13 60	10 20
No. 8501—Rainbow Finish	13 60	10 20
No. 8502—White Body, Red Head	13.60	10.20
No. 8509D—Green Scale Finish	13 60	10.20
No. 8509H—Red Scale Finish	13.60	10 20
No. 8509J—Green and Yellow Scale Finish	13.60	10 20
No. 8509L—Yellow Perch Scale Finish	13.60	10 20
No. 8509P—Natural Perch Scale Finish	13.60	10.20
No. 8509M—New Pike Scale Finish	13.60	10 20

Twelfth Dozen in a Box

ZARAGOSSA

Floats When at Rest, Equipment One No. 0 Extra Strong Treble Hook on Bottom, One at Tail. Special [illegible] Bait to Secure Best Results are Enclosed in Every Box; Length of Body, 4½ inches; Weight Each, ½ oz.

		Per Dozen
No. 6502—White Body; Red Throat	$16 00	12 00
No. 6509D—Natural Scale Finish	16 00	12 00
No. 650H—Red Scale Finish	16 00	12 00
No. 6509J—Frog Scale Finish	16 00	12 00
No. 6509K—Gold Fish, Scale Finish	16 00	12 00
No. 6509L—Yellow Perch Scale Finish	16 00	12.00

One in a Box

DECOY ICE MINNOWS

DOWAGIAC

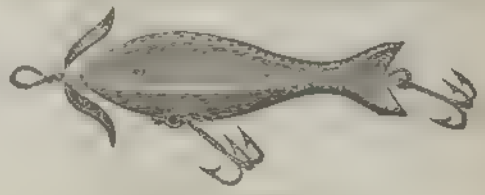
For Spearing

Best Attractor Devised for Spearing Through Ice; Four Heavily Nickeled Fins; Natural Tail Formation; Glass Eyes, Heavily Weighted and Sinks Rapidly, a Variety of Circles May be Had by Bending Tail Fin Which Acts as a Rudder; Length Body, 4⅜ inches; Weight Each, 2 ounces.

		Per Dozen
No. IDF—Fancy Green Back	$24.00	18.00
No IDR—Rainbow	24 00	18 00
No. IDG—Green Scale Finish	24 00	18.00
No. IDY—Yellow Perch Scale Finish	24 00	18.00

One in a Box

SALT WATER MINNOWS



FLORIDA SPECIALS

Hexagon Body, 2¾ inches Long; One No. 2 Treble Hook on Bottom and at Tail; Weight Each, ½ ounce.

		Per Dozen
No 10S White Body, Red and Green Spots	$16 00	12.00
No. 15S—White Body, Red Eyes	16 00	12.00
No. 19S—Silver Flitter	16 00	12.00
No. 19SD—Green Scale Finish	16 00	12 00
No. 19SL—Yellow Perch Scale Finish	16.00	12.00

Hexagon Body, 3½ inches Long; One No. 1 Treble Hooks on Bottom and at Tail; Weight Each, ¾ ounce.

		Per Dozen
No. 19B—White Body, Red and Green Spots	$16 00	12 00
No. 15B—White Body, Red Eyes	16 00	12 00
No. 19B—Silver Fritter	16 00	12 00
No. 19BD—Green Scale Finish	16 00	12 00
No. 19BL—Yellow Perch Scale Finish	16 00	12.00

One in a Box

Length Bait, 2¾ inches; Weight Each, ½ ounce.

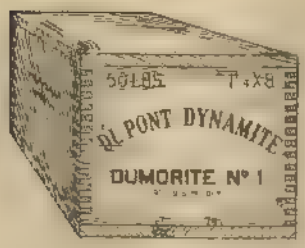
		Per Dozen
No. 1950—Fancy Green Back	$16.00	12.00
No. 1950S—White Body, Spotted	16.00	12.00
No. 1951—Rainbow	16 00	12.00
No. 1952—White Body with Red Head	16.00	12.00
No. 1955—Yellow, Spotted	16.00	12 00
No. 1959A—Yellow Perch	16 00	12.00
No. 1959B—Imitation Frog	16.00	12.00
No. 1959C—Imitation Crab	16.00	12.00
No. 1959D—Green Scale Finish	16 00	12 00
No. 1959H—Red Scale Finish	16.00	12.00
No. 1959J—Frog Scale Finish	16 00	12.00
No. 1959K—Gold Fish Scale	16 00	12 00
No. 1959L—Yellow Perch Scale	16.00	12.00

One in a Box

DYNAMITE, FARM AND STUMPING POWDERS

Prices on Application.

DUPONT



A NEW FARM DYNAMITE

Dumorite is a gun cotton nitroglycerine dynamite with the slow, heaving action of 20% dynamite and the strength of 40% dynamite. Its fumes will not produce a headache and it is non-freezing at any temperature. Dumorite is the most effective and economical explosive yet produced for land clearing, boulder blasting and tree-planting. It runs 135 sticks to a box, while the ordinary dynamite contains only 100 sticks to a box. This means approximately ¼ more work for every dollar invested, because stick for stick, Dumorite is the equivalent of any agricultural explosive up to 40%.

No. F11—Dumorite★ .....per hundred pounds $....

ONE HUNDRED AND THIRTY FIVE STICKS IN A BOX

No. F1DX—DuPont Red Cross Farm Powder—For use in sub-soiling, tree planting and stump blasting on the denser soil, made only in 1¼×8 in. cartridges, ½ lb., per 100 lbs.★ .....$....

No. F50DX—DuPont Low Freezing Red Cross Extra. Best dynamite for general use, does not freeze until water freezes, nor thaw until ice melts. Especially valuable for agricultural uses, such as stump and boulder blasting, tree planting, sub-soil blasting and road making. Very insensitive and should not be detonated with anything weaker than a No. 6 cap. Red Cross Extra 40 per cent strength is generally used, except for tree planting and sub-soiling. For these latter uses the 30 per cent grade is recommended. Packed in strong wooden boxes of 25 lbs. and 50 lbs. weight. Standard size cartridges are 1¼×8 in., weighing approximately ½ lb. although special sizes can be furnished if necessary.

Strength, per cent	20	30	40	50	60
Per 100 lbs.	$.....	.....	.....	.....	.....

No. F40DX—DuPont Low Freezing Straight Nitroglycerin.

Strength, per cent ...	30	40	50	60
Per 100 lbs.	$.....	.....	.....	.....

No. F20DX—DuPont Red Cross Low Freezing Ammonia Gelatin.

Strength, per cent	30	40	50	60
Per 100 lbs.	$.....	.....	.....	.....

PACKED IN 25 AND 50 LB. CASES

HERCULES

No. F1AX—Hercules Farm Powder—Recommended for sub-soiling, tree planting and ordinary blasting about the farm, made only in 1¼×8 in. cartridges, ½ lb., per 100 lbs.★ .....$.....

No. F50AX—Hercules Standard, Low Freezing.

For use in cold weather, as well as in spring and fall when alternate freezing and thawing makes blasting with ordinary explosives somewhat uncertain. Most effective and convenient for blasting stumps, breaking boulders, digging wells, quarrying work, etc.

Does not require thawing when the temperature is 30 degree Fahrenheit or above.

Strength, per cent	20	30	40	50	60
Per 100 lbs.	$....	.....	.....	.....	.....

No. F40AX—Hercules Low Freezing Nitroglycerin.

Slower than either dynamite or gelatin, very useful for blasting clay, stumps and stone that is rather soft and seamy, where a pushing, lifting action rather than a shattering effect is desired.

Does not stand exposure to water as well as either gelatin or regular dynamite.

Strength, per cent ...	30	40	50	60
Per 100 lbs.	$.....	.....	.....	.....

No. F20AX—Hercules Gelatin (Low Freezing) or Hercules Standard Ammonia Gelatin (Low Freezing).

In gelatin dynamite, gun cotton is substituted for a portion of the nitroglycerine. Has many advantages in that it is practically water proof, is more dense and makes much less smoke and fumes. Used a good deal for underground mining. Preferred by quarry men because it will get out rock better than other dynamite.

Strength, per cent	30	40	50	60
Per 100 lbs.	$.....	....	.....	....

PACKED IN 25 AND 50 LB. CASES

Dynamite, Caps and Powder cannot be shipped with other goods, neither can they be sent by express, but will be shipped direct from nearest magazine. Each must be shipped separately, except 100 only caps with each 100 feet of safety fuse may be sent up 500 caps and 500 feet of safety fuse. No more than 500 caps may be shipped with any larger amount of safety fuse. Dynamite is packed in cases containing 25 or 50 lbs., net, in cartridges 1¼×8 in.

★ Items Marked Thus ★ Are Shipped From Factory Only.

DYNAMITE, FARM AND STUMPING POWDERS

Prices on Application

DYNAMITE BLASTING CAPS

Always store and carry caps separate from the dynamite. Caps cannot be shipped with dynamite.

DUPONT OR HERCULES

No. F6—Sextuple, 15.43 grains, 1.00 grammes, per 1000★ *$34.20*
PACKED 100 IN A BOX; 1,000 IN A CARTON; 20,000 IN A CASE

BLASTING MACHINES

DUPONT

This machine is chiefly used for shooting wells, prospecting and other blasting where but a few charges are to be fired simultaneously.

F. O. B. Chicago, Xenia, St. Louis, Louisville, St. Paul.

No. P1—Capacity 8 to 10 holes, height of case 11 in., w't 18½ lbs ..... each *$35.00*

The favorite of quarry men and railroad contractors.

No. P3—Capacity 20 to 25 holes, height of case 13½ in., w't 22½ lbs. ..... each *$50.00*

The best size for ordinary quarry work and railroad contractors' use, even if only twenty holes are to be fired at a shot, for the extra current compensates for leaks in the blast line which are sometimes unavoidable.

No. P4—Capacity 30 to 50 holes, height of case 18 in., w't 45½ lbs. ..... each *$80.00*

We believe that the No. 5 is as powerful as can be made and still be easily portable and sufficiently easy to drive to enable one man to get the full current out of it.

No. P5—Capacity 50 to 100 holes, height of case 20½ in., w't 66½ lbs. ..... each *$200.00*

LEADING WIRE

Enough leading wire is needed with each machine to make two leaders of sufficient length to reach from the blast to a safe distance at which the person who operates the machine should stand. Five hundred feet is the quantity usually sold, which means a distance of 250 ft. from blast, but in some cases a greater length of leading wire is needed.

F. O. B. Chicago, Xenia, St. Louis, Louisville and St. Paul.

No. P14—No. 14 B & S gauge copper wire in coils of 500 ft., w't per coil 8½ lbs. ..... per coil *$16.00*

CONNECTING WIRE

This is a pure copper wire perfectly insulated. It is used in connecting the electrical fuses to each other where several charges are to be fired simultaneously, the holes being far apart. A small quantity only of this will be needed if the fuse wires be picked up after each blast, as they can be twisted together and used in place of connecting wire.

F. O. B. Chicago, Xenia, St. Louis, Louisville and St. Paul.

No. P20—No. 20 B. & S. gauge copper wire, 2 lb. spools, 600 ft. on a spool ..... per lb. *$1.60*

Safety of Electric Firing.

Electric firing is by far the safest method, because there is no waiting for the shot to go and no doubt about when it is going to explode. It enables the blaster to retire to an unexposed place in perfect safety and without undue haste, and eliminates all danger of accident because of miscalculation of the time it takes fuse to burn or because of defective fuse, which has frequently resulted in injury to men who have returned to examine a blast about the time it exploded.

Smoke from burning fuse is entirely avoided, an item of no little value in mine work.

ELECTRIC BLASTING EXPLODERS

Copper Wire.

DUPONT OR HERCULES

Electric fuses are the detonators used when dynamite is fired electrically. They consist of a copper capsule containing a detonating charge surrounding a fine platinum wire bridge, which joins the ends of two insulated copper wires. The ends of the copper wires are secured in the copper shell by a composition plug which renders it waterproof. The fuse is fired when a sufficient current is passed through the wires and across the platinum bridge to heat the latter to a temperature high enough to ignite the charge surrounding it.

No. F6E—Double strength—single strength no longer made—heavily insulated, cotton covered exploders, w't of charge 15.43 grains or 1.00 grammes.

Length, ft.	4	6	8	10	12
Per 100	*$14.00*★	*16.30*★	*18.50*★	*20.80*★	*23.00*★

BLASTING BY ELECTRICITY

When a good deal of blasting is to be done, it is usual to set off the blasts by means of a battery and electric exploder—called an electric fuse. In this way any number of blasts from five or ten up to forty can be fired at once. This is found extremely convenient when it is necessary to get rid of a very large stump or extra large boulder, as frequently several ordinary sized charges fired simultaneously will destroy an obstacle which would not be affected by the same charges fired successively or by one charge as large as all the smaller ones combined.

Dynamite Caps or Powder cannot be shipped with other goods, neither can they be sent by express. Each must be shipped separately, except 100 only with each 100 feet of Safety Fuse may be sent UP to 500 Caps and 500 feet of Safety Fuse. No more than 500 Caps may be shipped with any larger amount of Safety Fuse.

★ Owing to City Ordinances, we are unable to carry in stock Powder, Dynamite or Caps, so these goods are necessarily for shipment from factory.

★ Items Marked Thus ★ Are Shipped from Factory Only.

BLASTING WITH POWDER

The great advantage that black blasting powder has over high explosives for use in coal mines, building stone quarries and for blasting in soft material is that it exerts a strong push upon the material to be moved and not a blow similar to that exerted by high explosives. This makes black blasting powder very valuable in quarry work where it is desired to obtain material in large blocks.

For use in mining, as the ordinary black blasting powder is in grains, it is impossible to put it in most drill holes unless confined in cartridges, which are usually cylinders of manila paper. Bore holes underground should never be loaded with loose powder on account of the danger of dust from the powder coming in contact with lights and carrying the flames into the main body of powder, thus causing an explosion. However, in quarry work, railroad and other grading it can be poured into dry downward holes. In large chamber blasts, the powder packed in kegs or bags can be placed in the room excavated to receive it.

The cartridges for use in mines can be made by rolling the paper around a wooden cartridge bar of a slightly smaller diameter than the drill hole. The loose edges of the paper are stuck down by means of miners soap, one end of the paper is folded over to close the end of the cartridge, and the stick when removed, leaves a paper cylinder. When the cylinder is filled with powder, the cartridge is completed by folding down the other end.

To spring a hole, explode a stick or two of dynamite in the bottom with very little or no tamping. The explosion forms a chamber or pocket at the bottom, where a large pocket is required, this operation can be repeated with increased charges. When the pocket is thoroughly cooled, pour the powder into this pocket until it begins to come up in the hole, placing the means of ignition as close to the center of the charge as possible. Then tamp the hole solid to the collar.

A uniform and compact tamping is essential with the use of black powder. For tamping black powder charges the material used should be free from small pieces of stone or other hard matter that might produce sparks or damage the fuse, hence stone dust, coal dust, etc., are not considered suitable as tamping. The best material is moist clay, which should be rammed home in layers with a wooden tamping rod, a paper wad being placed between the powder charge and the first layer of clay. In holes having anything but a downward slant the tamping material is best wrapped in short paper cartridges.

Dynamite, Caps and Powder Cannot be Shipped with Other Goods, Neither Can they be Sent by Express, but will be Shipped Direct from Nearest Magazine. Each Must be Shipped Separately, Except 100 only Caps with Each 100 ft. of Safety Fuse May be Sent up to 500 Caps and 500 ft. of Safety Fuse.

BLASTING WITH DYNAMITE

Dynamite is a combination of nitroglycerine with other explosive ingredients, and when properly manufactured is much safer than gunpowder. 40% is the grade most used and is best for quarry work, stump blasting, etc. While 30% is suitable for blasting clay, very soft rock and other material which requires a pushing rather than a shattering effect, 50% to 60% is necessary for very hard rock. 60% is best for breaking boulders, submarine blasting and shooting wells.

To Prepare a Cartridge for Use.

Cut off a piece of fuse the required length and carefully insert the freshly cut end of the fuse in the cap. The fuse should exactly fit the cap. If it is too large, pare it down, and if too small, wrap it with paper till it is the right size. Press the cap down gently until the charge contained in the cap comes in contact with the loose powder of the fuse end, then with the crimpers tighten the empty end of the cap, so that the fuse cannot be pulled out.

The principal precaution to be observed in crimping caps on the fuse is to be careful not to crimp the caps tight enough to cut off the powder train in the fuse, thus preventing the fire from reaching the cap and causing a failure of the blast.

If the place where the blasting is being done is wet, the filling of the cap must be protected, as if allowed to become damp it might cause the blast to hang fire or miss altogether. This trouble can be very simply prevented by smearing the outside junction of the fuse and cap—i. e., where the cap is crimped to the fuse as well as the hole in the cartridge where the fuse enters—with grease, tallow or some similar substance to keep out the dampness.

Now, having prepared the cap as just described, it is ready to be put into the cartridge. Take a pointed stick of wood about the size of a lead pencil and punch a hole in the side of the cartridge about an inch or two from one end, at an angle towards the other end. Insert the cap in this hole and tie the fuse tightly by means of a half hitch.

This prevents the tamping rod from coming in contact with the cap, and keeps the cap from pulling out.

Having prepared the cartridge for use in the manner described, insert it in the bore hole and push it firmly home, being sure it fully fills up the diameter of the hole, for crevices or air spaces greatly lessen the power of an explosive.

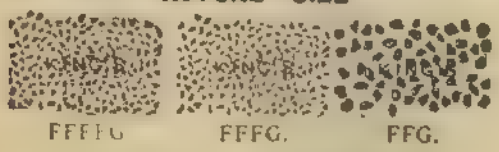
Be sure the tamping is done with a wooden rod. Never use a metal tamping rod or a rod having metal parts. An old broom handle makes an excellent tamping rod.

After the charge is pressed home as directed, put in two or three inches of fine dirt or sand, and tamp—pack—lightly. The tamping material should be packed as firmly on top of the charge as can consistently be done without disarranging the cap and fuse in the cartridge. Then fill up two inches more of the hole with tamping material, packing it in a little more firmly. After five inches of tamping covers the charge, the tamping may be rammed as hard as is possible with hand power, without danger of premature explosion. It is not safe to tamp by a blow any stronger than can be given by hand.

BLACK SPORTING AND BLASTING POWDERS

Prices on Application

KING'S QUICKSHOT AND SEMI-SMOKELESS—ACTUAL SIZE



FFFFG FFFG. FFG.

FG. CG.

BLACK SPORTING KING'S QUICKSHOT

No. F25Q—Kegs, 25 lbs. sizes, FFFFG, FFFG, FFG and FG★ .....each *$22.50*

No. F12½Q—Half Kegs, 12½ lbs., sizes FFFFG, FFFG, FFG and FG★ .....each *$11.80*

No. F6¼Q—Quarter Kegs, 6¼ lbs., sizes FFFFG, FFFG, FFG and FG★ .....each *$6.20*

No. F1Q—Pound Cans—24 in case—FFFG, FFG and FG★ .....each *$1.12*

Celebrated for its strength, velocity, cleanliness, quickness of ignition and freedom from dense, foul smoke. Unequaled for general field work, especially adapted to trap and rapid wing shooting. A great prize winner, and the delight of sportsmen. The very best black powder made.

SEMI-SMOKELESS SPORTING, KING'S

No. F25SS—Kegs, 25 lbs.—bulk—FFFG, FFG, FG and CG★ .....each *$23.00*

F12½SS—Half Kegs, 12½ lbs.—bulk—FFFG, FFG, FG and CG★ .....each *$12.00*

F6¼SS—Quarter Kegs, 6¼ lbs.—bulk—FFFG, FFG, FG and CG★ .....each *$6.30*

F1SS—Pound Cans—bulk—FFFG, FFG, FG and CG, each★ *$1.20*

King's Semi-Smokeless, all shipments from factory. F. O. B. Kings Mills, Ohio

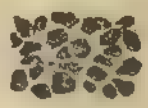
Combines all the best qualities of black powder with the best qualities of nitro powder. Gives the highest velocity of nitro powder with the low bursting strain of black powder. Produces very little smoke and no offensive odor, leaves but the slightest deposit, does not cake or cause leading, pitting or discoloration of gun. Gives a fine pattern, is quick, strong, penetrating, far reaching, always accurate and reliable, and is as safe as any black powder

Requires no priming and nothing better than the ordinary shell, primer and wadding for the highest efficiency. A great powder for field and trap, and especially gratifying to those desiring a better article than black powder and less expensive than nitro powder.

Equal to the best for shot guns, but excels anything yet discovered for rifles and pistols. Suited equally to all calibers, all sizes and kinds of metallic ammunition, attention to size of grain only being necessary in order to secure best results. It gives to the ball great velocity, range, penetration, accuracy and very slight trajectory, at the same time leaving the gun almost absolutely free from fouling. Though having a muzzle velocity of nearly 1,700 ft., it does not strip the ordinary lead ball, or cause leading or wild and unaccountable shots.

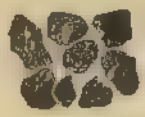
The grains are hard and resemble those of black powder, with a density of weight somewhat less. After months of storing in ordinary powder kegs, in ordinary magazines and in all temperatures, with frequent tests on instruments, there has not been discovered the slightest trace of deterioration, or any material variation in results.

BLASTING POWDERS—ACTUAL SIZE



FFF
For mining very soft or Seamy coal.

FF
For mining soft coal and breaking stone.



F
For mining hard coal and general blasting.

C
For railroad excavations, coal and iron mining, and quarrying hard stone.

CC
For granite and heavy blasting.

BLASTING POWDER

No. F25P—DuPont's "B" kegs, 25 lbs., sizes FFFF, FFF, FF, F and C, CC, CCC★ .....per keg *$4.70*

No. F25KP—King's, kegs, 25 lbs., sizes FFF, FF, F, C and CC★ .....per keg *$4.70*

DUPONT OR KING CANNON

No. F25CP—Kegs, 25 lbs., FF, FFF, FFFF, FFFFF, per keg★ *$18.80*

This powder is used for celebrating purposes and the manufacture of fireworks and is also used in granite quarrying.

Dynamite, Caps or Powder cannot be shipped with other goods, neither can they be sent by express, but will be shipped direct from nearest magazine. Each must be shipped separately, except 100 only caps with and 500 feet of safety fuse. No more than 500 caps each 100 feet of safety fuse may be sent, up to 500 caps may be shipped with any larger amount of safety fuse.

★ Items Marked Thus ★ Are Shipped From Factory Only.

ELECTRIC PORTABLE LAMPS

NOTE—Bulbs Not Included With Any Lamp Shown on This Page.

Electric Portable; Oxidized Brass; 19½ inch Octagon Shade; Amber Glass; Height 22½ inches; 2 Lights; Pull Sockets With 6 feet Cord.

Each

No. 1432½—For Electric Only; Weight Each, 25 lbs..... **$44.00**

One in a Box

Electric Portable, Bronze Green; 16 inch Shade Decorated Ocean Scene; Height, 21 inches; 2 Lights; Pull Sockets; With 6 feet Cord.

Each

No. 1388½—For Electric Only; Weight Each, 25 lbs..... **$37.50**

One in a Box

Electric Portable, Gold Bronze; 18 inch Shade, Green Color; Height, 21½ inches; 3 Lights; Pull Sockets With 6 feet Green Silk Cord.

Each

No. 1434½—For Electric Only; Weight, Each, 40 lbs.....**$38.80**

One in a Box

Electric Portable; Green, With Gold Trimmings; 15½ inch Decorated Shade; Height, 20½ inches; 2 Lights; Pull Socket, 6 feet Brown Silk Cord.

Each

No. 1492½—For Electric Only; Weight Each, 20 lbs..... **$33.30**

One in a Box

Electric; Antique Copper Finish; Fancy Art Glass Panel Shade; Two Pull Chain Sockets; Complete With 6 feet Silk Cord and Plug; Diameter of Shade, 19 inches; Height Over All, 19½ inches.

Each

No. 11½—For Electric Only; Weight Each, 12½ lbs.....**$30.20**

One in a Box

Electric Portable Reading Lamp; Scenic Decorated Shade 14 inches in Diameter; Base, Stem and Cluster Finished in Pompeian Green; Two Pull Chain Sockets; Complete With 6 feet Silk Cord and Plug; Height Over All, 21 inches.

Each

No. 321—For Electric Only; Weight Each, 20 lbs.....**$27.50**

One in a Box

ELECTRIC PORTABLE LAMPS

NOTE—Bulbs are Not Included with Any Lamp Shown on This Page

Electric Portable; Mahogany and Gold Finish, 14 inch Decorated Glass Shade, Height 19 inches; 2 Light, Pull Socket; 6 feet Brown Cord.

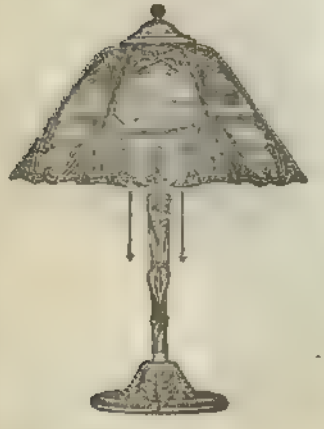
Each

No. 1386½—For Electric Only; Weight Each, 20 lbs. **$24 80**
One in a Box

Electric Portable; Ivory Finish; White Glass Shade with Tinted Flower Decoration, 8 inch, 1 Light, Key Socket; Height 14 inches; 6 foot White Silk Cord.

Each

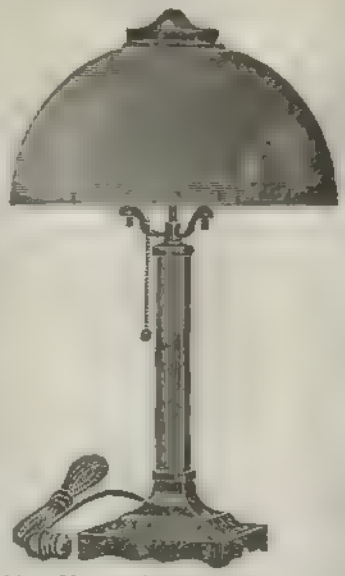
No. 1475½—For Electric Only, Weight Each, 7 lbs. **$20 70**
One in a Box



Electric Portable Reading Lamp, Octagon Amber Glass Shade 13 inches in Diameter, Base, Stem and Cluster in Verde Antique Green Finish; Two Lights with Pull Chain, Complete with 6 feet of Silk Cord and Plug; Height Over All, 19½ inches.

Each

No. 736½—For Electric Only, Weight Each, 15 lbs. **$19 00**
One in a Box



Electric Portable Reading Lamp; 12 inch Round Dark Green Glass Shade; Base, Stem and Cluster Finished in Antique Brass; Two Lights with Pull Chain Sockets; Complete with 6 feet of Silk Cord and Plug; Height Over All, 19½ inches

Each

No. 7½—For Electric Only Weight Each, 15 lbs. **$18 20**
One in a Box

Electric Portable Reading Lamp; Six Decorated Glass Shade 10 inches in Diameter, Base, Stem and Cluster Finished in Verde Antique Green; One Pull Chain Socket; Complete with 6 feet Silk Cord and Plug, Height Over All, 17 inches.

Each

No. 335—For Electric Only Weight Each, 15 lbs. **$17.60**
One in a Box

Electric Portable; Black; 12 inch Glass Decorated Shade, Height 19½ inches, 1 Light; Key Socket; 6 feet Brown Cord

Each

No. 1442½—For Electric Only, Weight Each, 20 lbs. . . . **$16.50**
One in a Box

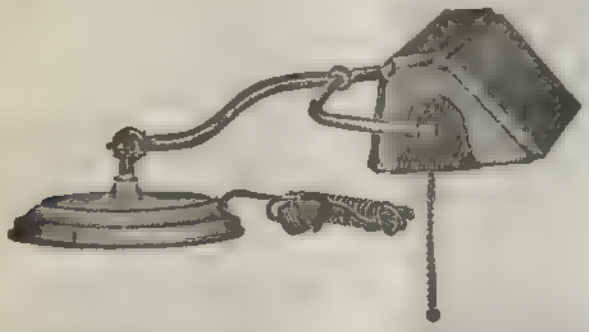
ELECTRIC PORTABLE LAMPS

Double Desk Lamp; Brushed Brass Finish; 1 inch Square Brass Standard; 8 inch Heavy Brass Base; Green Cased Shades 9 inches Long with 5¼ inch Opening; Pull Chain Socket; Complete with 9 Foot Silk Cord and Screw Plug; Height Over All, 12 inches.

Each

†No. 1155½—Shipping Weight Each, 45 lbs..... $35 40

One in a Box



Adjustable Desk or Piano Lamp; Brushed Brass Finish; ¾ inch Round Brass Standard; Diameter of Base 8 inches; Green Cased Shade 9 inches Long with 5¼ inch Opening; Pull Chain Socket; Complete with 9 foot Silk Cord and Screw Plug; Length Over All, 12 inches.

Each

†No. 1151½—Shipping Weight Each, 40 lbs.....$22 50

One in a Box

Single Desk Lamp; Brushed Brass Finish; 1 inch Round Brass Standard; Diameter of Base, 8 inches; Green Cased Shade, 9 inches Long with 5½ inch Opening; Pull Chain Socket; Complete with 9 foot Silk Cord and Screw Plug; Height Over All, 12 inches.

Each

†No. 1150½ — Shipping Weight Each, 40 lbs...$22 50

One in a Box

Brass Standard and Shade; Brushed Brass Finish, Shade Finished on Inside with Aluminum Bronze; Wired with Silk Cord; Complete with Plug and Socket; Standard Adjustable from 30 inches to 5 feet.

Each

No. N2033—Weight Each, 6 lbs. $12.60

One in a Box

Brushed Brass; Adjustable to Any Position; Shade Finished on Inside With Aluminum; Wired with Key Socket and 6 feet of Silk Cord and Plug.

Each

No. 1976—Height, Extended, 27 inches; Diameter of Base, 6 inches; Weight Each, 5¼ lbs..... $5 30

One in a Box

Bronze; Green Tinted; Adjustable to Any Position; Shade Finished on Inside with Aluminum; Wired with Key Socket and 6 feet of Silk Cord and Plug

Each

No. 1204—Height, Extended, 24 inches; Diameter of Base, 6 inches; Weight Each, 5¼ lbs..... $4.70

One in a Box

Items Marked † Not Carried in Stock, Can Only be Furnished by Shipping Direct from Factory, Pittsburgh, Pa.

ELECTRIC PORTABLE LAMPS

NOTE—Bulbs Not Included with Any Lamps Shown on This Page

Electric Boudoir Lamp; Ivory Finish, with 8 inch Rose Satin Glass Shade; Height, 13½ inches; 1 Light Push Socket with 6 foot Cord.

Each

No. 1351½—For Electric Only; Weight Each, 12 lbs..... **$16.00**

One in a Box

Electric Portable; Bronze; Tan Color Glass Shade with Decorated Bottom; Height, 14½ inches; 1 Light; Button Socket with 6 foot Brown Cord.

Each

No. 01376½—For Electric Only; Weight Each, 7 lbs..... **$8.00**

One in a Box

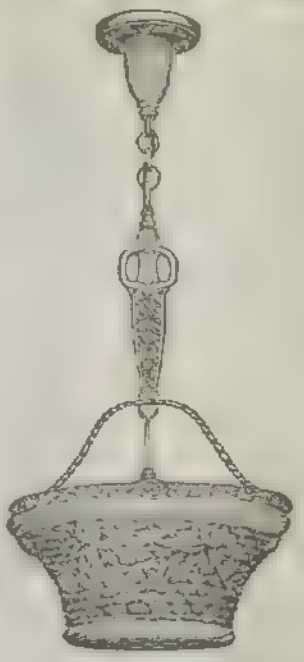
This is a Beautiful Boudoir Lamp; Finished in Ivory with a Pink Flower; Decorated White Glass Shade (No. 1068PX); Complete with Green Silk Cord and Plug; Height, 16 inches; 7 inch Shade.

Each

No. 302—For Electric Only; Weight Each, Packed, 5 lbs..... **$5.00**

One in a Box

BASKET FIXTURE



Electric Basket Fixture with D1 Bowl; 36 inches Over All; Balarian Finish; 16 inch Bowl, Green with Pink Roses; 15 inch Fitter; 7½ inches Deep; Keyless Socket.

This Fixture Can Also be Furnished with D2 Bowl; Ivory Finish with 16 inch Bowl; Brown with Pink Roses.

Each

†**No. 2246½**—For Electric Only; Weight Each, 40 lbs..... **$37.50**

One in a Box

LAMPS—OFFICE

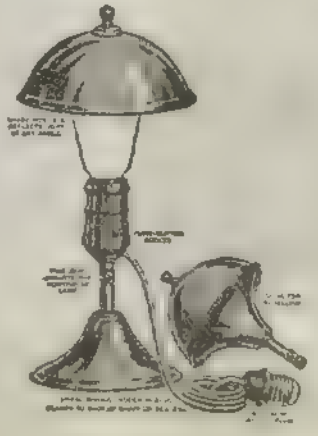
ADJUSTO

This is a Brush Brass Lamp; Can be Used in Office, Home, or Practically Any Place Where a Convertible Lamp is Needed. It Clamps Everywhere.

Each

No. AAP—Weight Each, Packed, 2½ lbs..... **$3.40**

One in a Box



WALLACE

This is a Brush Brass Lamp; it Stands, Hangs, Clamps Anywhere You Put it. A Particularly Handy Lamp to Take With You When You Are Traveling, as it May Be Folded Up and Tucked Away Into a Corner of Your Bag, Less Incandescent Bulb.

Per Dozen

No. GWL—Weight Each, About 18 lbs..... **$33.00**

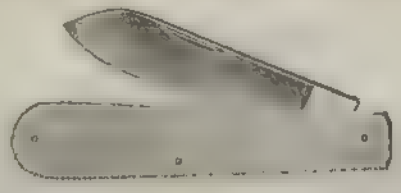
One in a Box

Items Marked † Not Carried in Stock; Can Only be Furnished by Shipping Direct From Factory, Pittsburgh, Pa.

POCKET KNIVES

★ENTERPRISE

American Made; High Grade American Steel Blades; Carefully Forged, Ground and Tempered; Free from Flaws and Imperfections.



Brass Lining; Length, 3 inches; Large Spear Blade; Glazed Finish.

Per Dozen

No. X103AC—Assorted Celluloid Handle **$2 50**

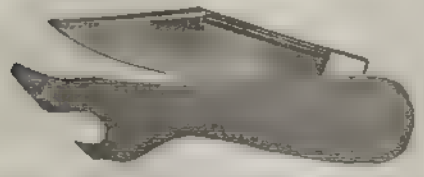
One Dozen in a Box; Weight per Dozen, 2½ lbs.

Brass Lining; Steel Bolsters; Length, 3 inches; Large Spear Blade; Glazed Finish.

Per Dozen

No. X110ST—Stag Handle **$3 00**

One Dozen in a Box; Weight per Dozen, 2½ lbs.

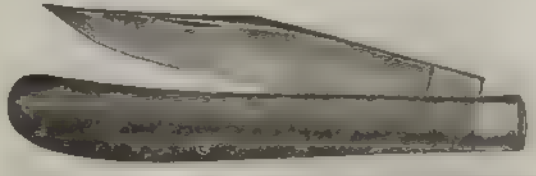


Brass Lining; Length, 3½ inches; Large Clip Blade; Glazed Finish.

Per Dozen

No. X105AC—Assorted Celluloid Handle **$5.00**

One Dozen in a Box, Weight per Dozen, 2 lbs.



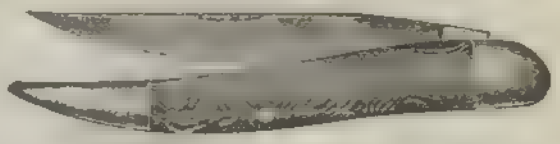
Brass Lining; Nickel Silver Bolsters; Length, 4 inches; Large Clip Blade; Glazed Finish.

Per Dozen

No. X112AC—Assorted Celluloid Handle **$8 00**

No. X112½AC—Assorted Celluloid Handle; Large Sabre Blade **9.00**

Half Dozen in a Box; Weight per Dozen, 3½ lbs.



Brass Lining; Nickel Silver Bolsters; Length, 4¼ inches; Large Clip Blade; Polished.

Per Dozen

No. X108C—Celluloid Handle **$13 00**

Half Dozen in a Box; Weight per Dozen, 3 lbs.

Brass Lining; Steel Bolsters; Length, 5 inches; Large Clip Blade; Glazed Finish.

Per Dozen

No. X104ST—Stag Handle **$15 00**

No. X104AC—Assorted Celluloid Handle **15 00**

Half Dozen in a Box; Weight per Dozen, 3 lbs.

Brass Lining; Nickel Silver Bolsters; Length, 4 inches, Large Spear and Small Pen Blades; Glazed Finish.

Per Dozen

No. X238—Celluloid Handle **$12 00**

No. X237—Celluloid Handle; Large Swedged Blade **13 00**

Half Dozen in a Box; Weight per Dozen, 3½ lbs.

Brass Lining; Nickel Silver Bolsters; Length, 3¾ inches; Blades Glazed Finish; Large Clip and Small Pen Blades.

Per Dozen

No. X250AC—Assorted Celluloid Handle **$15 00**

No. X250ST—Stag Handle **15 00**

Half Dozen in a Box; Weight per Dozen, 3 lbs.

POCKET KNIVES

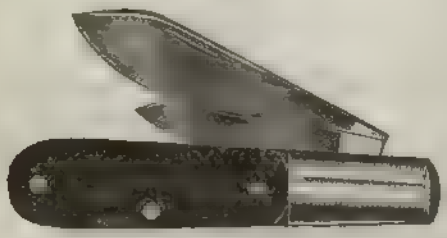
★ENTERPRISE

American Made; High Grade American Steel Blades, Carefully Forged, Ground and Tempered; Free from Flaws and Imperfections.

Brass Lining; Length, 2¾ inches; Large Spear and Small Pen Blades; Glazed Finish.

	Per Dozen
No. X771—Brown Celluloid Handle	**$2 70**

One Dozen in a Box; Weight per Dozen 2 lbs.



Steel Lining; Steel Bolsters; Length, 3⅝ inches; Blades Glazed Finish.

	Per Dozen
No. X247—Fibre Handle; Large Spear and Small Pen Blades	**$7 00**
No. X246—Fibre Handle; Large Clip and Small Pen Blades	**7 00**
No. X107—Fibre Handle; Large Spear Blade	**5 00**
No. X106—Fibre Handle; Large Clip Blade	**5 00**

Half Dozen in a Box; Weight per Dozen, 3 lbs.

Brass Lining; Steel Bolsters; Length, 3 inches; Large Spear and Small Pen Blades; Glazed Finish.

	Per Dozen
No. X661—Stag Handle	**$5 00**

One Dozen in a Box; Weight per Dozen, 3 lbs.

Brass Lining, Length, 3¼ inches, Large Spear and Small Pen Blades Glazed Finish; Nickel Silver Shield.

	Per Dozen
No. X551—Assorted Celluloid Handle	**$5 00**

One Dozen in a Box; Weight per Dozen, 2½ lbs.

Brass Lining; Nickel Silver Bolsters; Length, 3½ inches; Blades Glazed Finish.

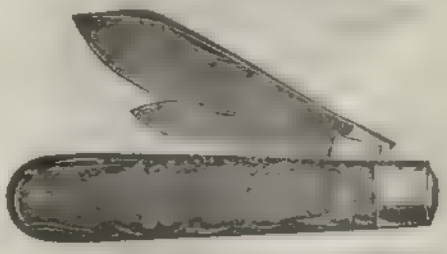
	Per Dozen
No. X248ST—Stag Handle; Large Clip and Small Pen Blades	**$12 00**
No. X248AC—Assorted Celluloid Handle; Large Clip and Small Pen Blades	**12 00**
No. X108ST—Stag Handle; Large Clip Blade	**8 00**
No. X109AC—Assorted Celluloid Handles; Large Clip Blade	**8 00**

Half Dozen in a Box; Weight per Dozen, 3 lbs.

Brass Lining; Nickel Silver Bolsters; Length, 3¼ inches; Large Clip and Small Pen Blades, Half Polished; Etched

	Per Dozen
No. X228AC—Assorted Celluloid Handle	**$12 00**

Half Dozen in a Box; Weight per Dozen, 3 lbs.



Brass Lining, Nickel Silver Bolster, Length, 3 inches, Large Spear and Small Pen Blades, Glazed Finish; Nickel Silver Shield.

	Per Dozen
No. X249C—Celluloid Handle	**$8 00**

One Dozen in a Box; Weight per Dozen, 3½ lbs.

Brass Lining; Nickel Silver Bolsters; Length, 3½ inches; Large Spear and Small Pen Blades; Glazed Finish.

	Per Dozen
No. X221AC—Assorted Celluloid Handle	**$12 00**

Half Dozen in a Box. Weight per Dozen, 3½ lbs.

POCKET KNIVES

★ENTERPRISE

American Made; High Grade American Steel Blades, Carefully Forged, Ground and Tempered; Free from Flaws and Imperfections.

Brass Lining; Nickel Silver Tips; Length, 3¼ inches; Large Spear and Small Pen Blades; Glazed Finish.

	Per Dozen
No. X217AC—Assorted Celluloid Handle	**$10 80**
No. X217ST—Stag Handle	**10 80**

Half Dozen in a Box; Weight per Dozen, 3 lbs.

Brass Lining; Steel Bolsters; Length, 3⅛ inches; Large Spear and Small Pen Blades, Glazed Finish.

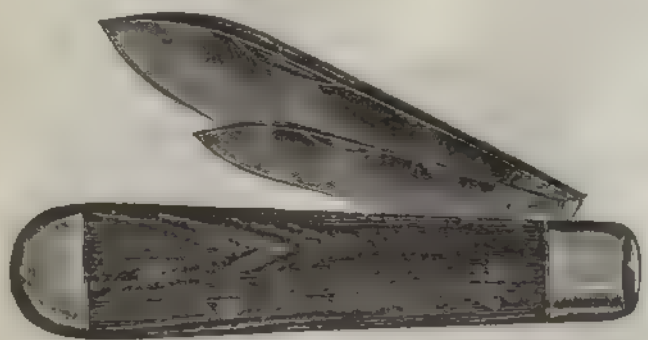
	Per Dozen
No. X216SEO—Stag Handle	**$10 80**

Half Dozen in a Box, Weight per Dozen, 3 lbs.

Brass Lining; Nickel Silver Bolsters; Length, 3⅛ inches, Large Spear and Small Pen Blades; Glazed Finish.

	Per Dozen
No. X220ST—Stag Handle	**$13 00**

Half Dozen in a Box; Weight per Dozen, 3 lbs.



Brass Lining; Nickel Silver Bolsters; Length, 3½ inches. Large Spear and Small Pen Blades; Glazed Finish

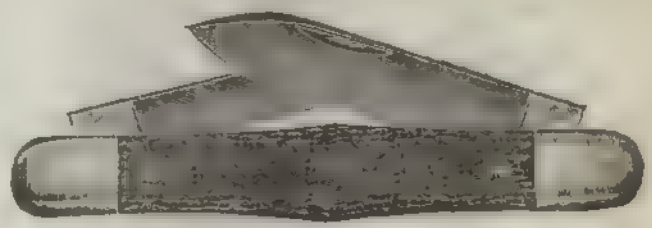
	Per Dozen
No. X215AC—Assorted Celluloid Handle	**$10 80**
No. X215ST—Imitation Stag Handle	**10 80**

Half Dozen in a Box; Weight per Dozen, 3½ lbs.

Brass Lining; Nickel Silver Bolsters; Length, 3¼ inches; Large Spear and Small Pen Blades; Glazed Finish.

	Per Dozen
No. X218ST—Stag Handle	**$10 80**
No. X218AC—Assorted Celluloid Handle	**10 80**

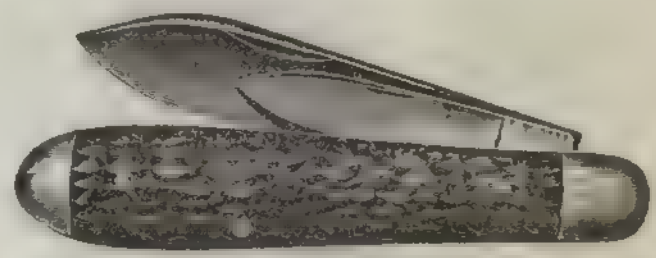
Half Dozen in a Box; Weight per Dozen, 3 lbs.



Brass Lining; Nickel Silver Bolsters; Length, 3½ inches; Large Spear and Small Pen Blades, Glazed Finish.

	Per Dozen
No. X216ST—Stag Handle	**$10 80**
No. X216AC—Assorted Celluloid Handle	**10 80**

Half Dozen in a Box; Weight per Dozen, 3 lbs.



Brass Lining; Nickel Silver Bolsters; Length, 3½ inches Large Spear and Small Pen Blades; Glazed Finish.

	Per Dozen
No. X214ST—Stag Handle	**$10 80**
No. X214AC—Assorted Celluloid Handle	**10 80**

Half Dozen in a Box; Weight per Dozen, 3½ lbs.

Brass Lining; Length, 3⅝ inches; Large Spear and Ink Erasure Blades; Polished

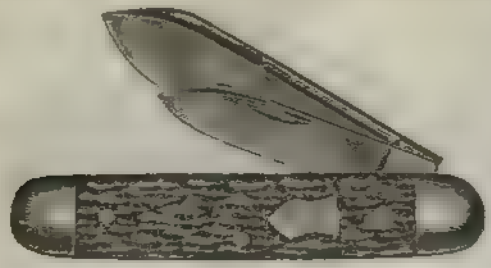
	Per Dozen
No. X223—White Celluloid Handle	**$12 00**

Half Dozen in a Box; Weight per Dozen, 3 lbs.

POCKET KNIVES

*ENTERPRISE

American Made; High Grade American Steel Blades, Carefully Forged, Ground and Tempered; Free from Flaws and Imperfections.



Brass Lining; Nickel Silver Bolsters; Length, 3⅝ inches; Large Spear and Small Pen Blades; Glazed Finish; Nickel Silver Shield.

	Per Dozen
No. X230ST—Stag Handle	**$13 00**
No. X230AC—Assorted Celluloid Handle	**13 00**

Half Dozen in a Box; Weight per Dozen, 3½ lbs.

Brass Lining; Nickel Silver Bolsters; Length, 3⅝ inches; Large Spear and Small Spey Blades; Glazed Finish; Nickel Silver Shield.

	Per Dozen
No. X234ST—Stag Handle	**$13 00**
No. X234AC—Assorted Celluloid Handle	[illegible]

Half Dozen in a Box; Weight per Dozen, 3½ lbs.

Steel Lining; Nickel Silver Bolsters; Length, 3½ inches; Large Spear and Small Pen Blades; Glazed Finish; Extra Long Polished Steel Chain.

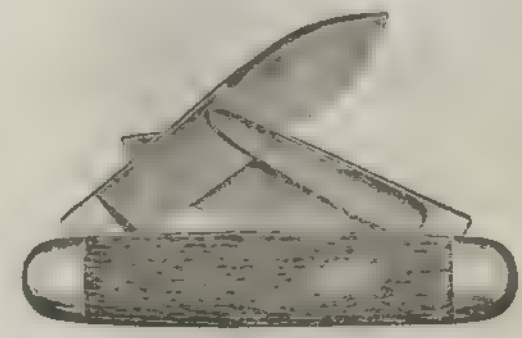
	Per Dozen
No. X224—Black Fibre Handle	**$9 00**

Half Dozen in a Box; Weight per Dozen, 3 lbs.

Brass Lining, Nickel Silver Bolsters; Length, 3⅝ inches; Large Spear and Small Pen Blades; Glazed Finish; Nickel Silver Shield.

	Per Dozen
No. X233ST—Stag Handle	**$13 00**
No. X233AC—Assorted Celluloid Handle	**13 00**

Half Dozen in a Box; Weight per Dozen, 3½ lbs.

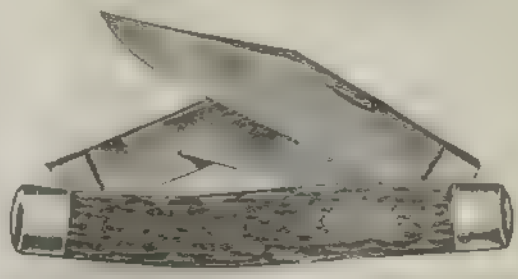


Three Spring Knife

Brass Lining, Nickel Silver Bolsters; Length, 3¾ inches; Large Spear, Large Spey and Leather Punch Blades; Glazed Finish; Nickel Silver Shield.

	Per Dozen
No. X301ST—Stag Handle	**$21.60**

Half Dozen in a Box; Weight per Dozen, [illegible] lbs.



Brass Lining; Steel Bolsters, Length, 3¾ inches; Blades Glazed Finish; Nickel Silver Shield.

	Per Dozen
No. X302ST—Stag Handle; Small Sheepfoot and Small Spey Blades	**$16 00**
No. X309ST—Stag Handle; Large Clip, Small Spey and Leather Punch Blades	**16 80**
No. X309AC—Assorted Celluloid Handle: Large Clip, Small Spey and Leather Punch Blades	**16 80**

Half Dozen in a Box; Weight per Dozen, [illegible] lbs.

Prices on Application

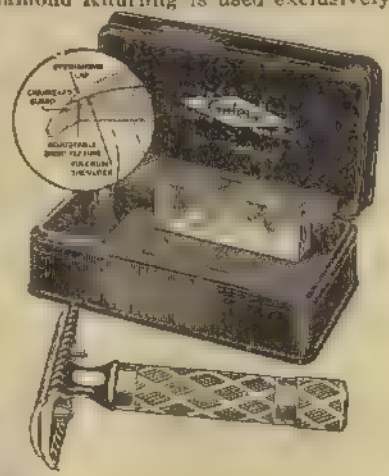
NEW IMPROVED GILLETTE SAFETY RAZORS

Here is an invention of intense interest to every man who shaves, a unique principle in Razor—not merely a new style. As a result of the new patented features, the NEW IMPROVED Gillette Safety Razor is the finest shaving instrument ever produced. It uses the well known Standard Gillette Blades and greatly increases their effectiveness. The Fulcrum Shoulder and overhanging Cap provide straight edges acting on the blades to produce an Adjustable Short Fluxure, which results in a straight and extremely rigid shaving edge in all positions of adjustment. The Channeled Guard underlying the adjustable blade edge enables the adjustment to be changed without sensibly altering the angle at which the razor is held in shaving, and also leaves the entire edge free to the beard while guarded from the face

All parts are made with Micrometric Precision in strict conformity with measurements determined by Gillette technical experts after exhaustive research and thousands of shaving tests.

The distinctive Diamond Knurling is used exclusively on the New Improved Gillette Safety Razor.

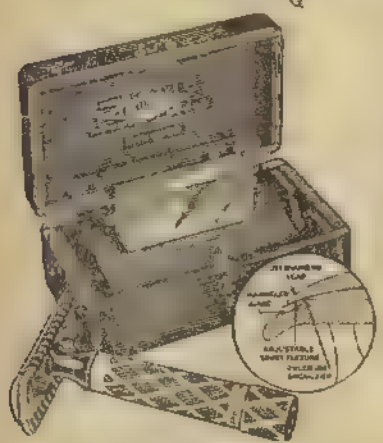
NEW STANDARD



Black genuine leather covered case, purple velvet and satin lined, 3⅝×2¼×1⅛ in., complete with New Improved razor and 12 double edged blades, (24 shaving edges.)

New Standard—Triple silver plated razor, nickel plated blade box,
per dozen *$60.00*
ONE IN A BOX

RICHWOOD



Wood case, mahogany finish, 3⅝×2¼×1¼ in., complete with **New Improved** razor and 12 double edged blades, (24 shaving edges.)

Richwood—Triple silver plated razor and nickel plated blade box,
per dozen *$60.00*

ONE IN A BOX

BOSTONIAN

Opening of cover automatically raises tray containing razor and blade box.

Nickel plated metal case, purple velvet and satin lined, 3⅞×2×1⅛ in., complete with New Improved razor and 12 double edged blades, (24 shaving edges.)

Bostonian—Triple silver plated razor and nickel plated blade box,
per dozen *$60.00*

Gold Bostonian—Gold plated razor and blade box, doz. *$72.00*
ONE IN A BOX

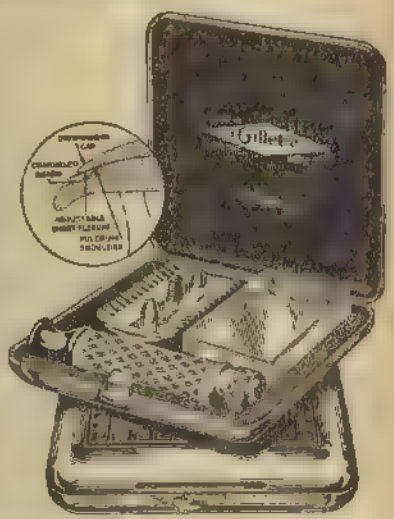
TUCKAWAY

A small compact set.

Metal case, purple velvet and satin lined, 3×3×1⅛ in., complete with New Improved razor and 12 double edged blades, (24 shaving edges.)

Tuckaway—Triple silver plated razor and nickel plated blade box,
per dozen *$60.00*
ONE IN A BOX

Gold Tuckaway—Gold plated razor and blade box,
per dozen *$72.00*
ONE IN A BOX



BIG FELLOW

Selected natural finish gumwood case, 4⅞ × 2¾ × ⅝ in. Complete with New Improved razor and 12 double edged blades, (24 shaving edges).

Big Fellow—Triple silver plated razor and nickel plated blade box,
per dozen *$60.00*

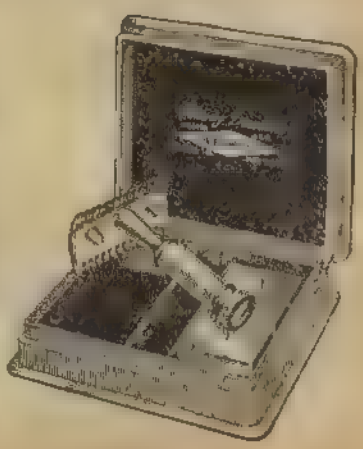
ONE IN A BOX

MILADY DECOLLETEE

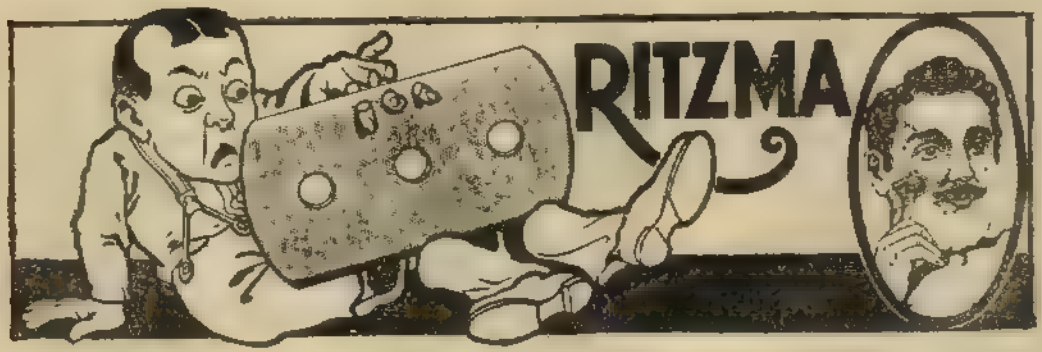
The appropriate set for ladies to keep the under-arm smooth.

Imitation white ivory case, old rose velvet and satin lined, 3⅞×3⅛×¾ in., complete with New Improved razor and 12 double edged blades, (24 shaving edges).

Milady Decolletee—Gold plated razor and blade box,
per dozen ...*$72.00*
ONE IN A BOX



Imported Razor Blades for Gillette Safety Razors



The Celebrated Ritzma Imported Razor Blades

RITZMA—

1 dozen double edged wafer blades in a package,

10 packages in a carton

Per carton $7.20

The above blades are made of superior refined Norwegian steel, specially tempered, hand ground, hand honed and hand stropped. We prefer to have these blades sold in full carton lots.

Special Attention—On account of these blades being imported from abroad they are obliged to undergo an ocean voyage of 3,000 or 4,000 miles. To prevent their rusting, the blades are coated with a composition or substance which it is quite necessary to remove from the blade before shaving, if satisfactory results are to be obtained. Please caution your customers, therefore, as follows:

"Wipe off the Ritzma Blades before using. This can be done by wiping the blade or stroking it back and forth on the palm of the hand, very much the same as you would strop a razor blade on a cushion razor strop."

We have had considerable experience with these blades and we know that they give very satisfactory results if treated in above manner.

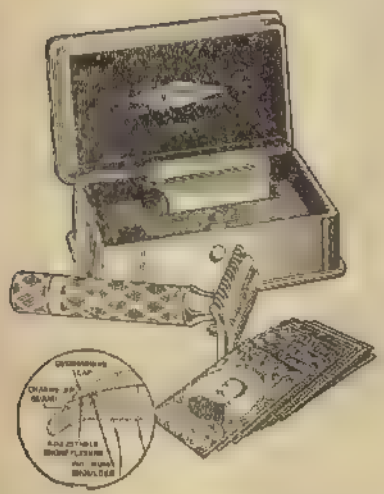
GILLETTE SAFETY RAZORS AND BLADES

Prices on Application

FOR GENERAL DESCRIPTION SEE PAGE 2590

NEW IMPROVED

(Patented Jan. 13, 1920)



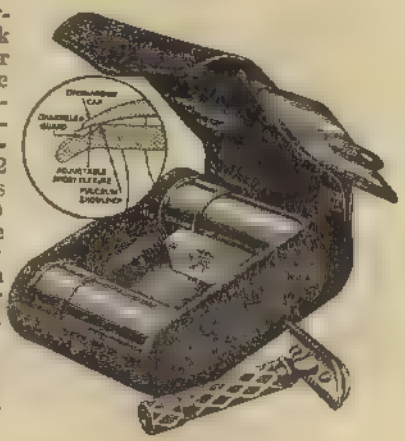
ARISTOCRAT

Imitation white ivory case and blade box, case 3 1/16 x 2 5/16 x 1 1/8 inches, purple velvet and satin lined, complete with New Improved razor and 12 double edged blades, (24 shaving edges.)

Aristocrat — Gold plated razor, per dozen *$72.00*

ONE IN A BOX

TRAVELER



A complete shaving outfit. Black genuine leather covered case, purple velvet and satin lined, 5x3 1/8 x1 1/8 in., complete with **New Improved** razor, 12 double edged blades (24 shaving edges) in nickel plated blade box, mixed badger hair lather brush and stick shaving soap in nickel plated metal containers.

Traveler — Triple silver plated razor, dozen *$90.00*

ONE IN A BOX

OLD TYPE GILLETE SAFETY RAZORS

THESE RAZORS DO NOT HAVE THE NEW IMPROVED GUARD AND CAP

BROWNIE

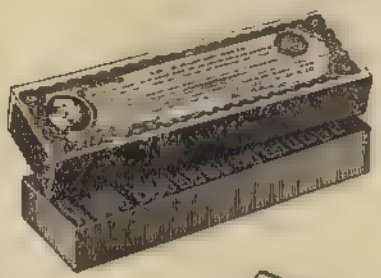
OLD TYPE

Imitation leather covered metal case 4x2x1 in. Complete with Old Type razor and 3 double edged blades (6 shaving edges) in sealed packet.

Brownie — Nickel plated razor, dull finish .....per dozen *$12.00*

ONE IN A BOX

GILLETTE BLADES



Double edged wafer blades, highest quality, each blade in an individual envelope.

No. 6—Six blades in a sealed package, per dz. pkgs. *$6.00*

No. 12 — Twelve blades in a sealed package, per dz. pkgs *$12.00*

NO. 6 IN DOZEN PACKAGES; NO. 12 FIVE SIX THIS DOZEN PACKAGES IN A CARTON

Hibbard
HARDWARE FOR HARD~WEAR

H S B & CO. OUR VERY BEST

Our Very Best is the Very Best.

AUTO-STROP SAFETY RAZORS

NEW MODEL

Very distinctive additions to the Safety Razor line. Handsomely made, Beautifully finished. Economical in price. **Retail for $1.00 without strop.** Gives dealer a chance to make a double sale, 1st, in selling razor, 2nd, in selling strop—Means extra sales and profits.

Model C—Auto-Strop razor with new knurled and grooved handle, nickel plated and polished, 3 genuine Valet Auto-Strop blades, 2 of which are in a nickel plated and polished metal blade box and the other in the razor frame. Complete in handsome velvet lined metal case, size of case 1⅞×3 1⅜₁₆× 1⅜₁₆ in. when closed.

No. 22—Red enameled metal case, red and black crackle finish, per dozen $12.00

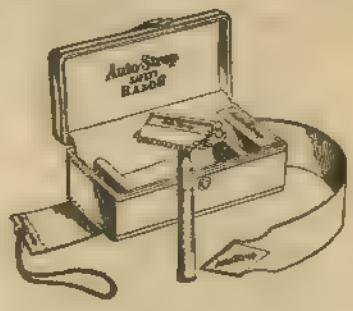
No. 22½—Blue enameled metal case, blue and brown crackle finish, per dozen $12.00

No. 22₂—Black enameled metal case, glossy finish, per doz. $12.00

ONE IN A BOX

No. 900 Model C—Valet, Auto-Strop Razor, consists of nickel plated self stropping razor, three genuine Valet Auto Strop blades and one horsehide strop. The razor and blades are packed in an attractive metal case, beautifully finished in black, and velvet lined. The strop is packed in an individual carton, and the entire outfit is contained in a handsomely lithographed carton, per dozen $12.00

ONE IN A BOX



STANDARD OUTFIT

Silver-plated self stropping razor, 12 Valet Auto-Strop blades, shell horsehide strop. Complete in plush and satin lined soft leather case. Size 1½×4½ in. when closed.

No. 600—Black leather case, per dozen $60.00

No. 600—Maroon leather case, per dozen $60.00

No. 600—Blue leather case, per dozen $60.00

No. 600—Green leather case, per dozen $60.00

No. 600—Red leather case, per dozen $60.00

ONE IN A BOX, ONE DOZEN IN A CARTON

STANDARD OUTFIT IN METAL CASE

Heavily nickel plated and polished metal case of plain design, lined with purple velvet and satin, containing silver plated Self Stropping Razor, 12 Auto Strop Blades and specially prepared, selected leather Strop.

Put up in flannel bag.

No. F50½—W't per doz. 7½ lbs., per dozen★ $60.00

ONE IN A BOX
ONE DOZEN IN A CARTON

FLAT METAL SET

These gold plated sets are especially designed and are an exceptionally good value. They are very attractive and desirable—take up but little space—making same especially attractive to the traveling salesman, tourist or camper. Strong and substantial.

Gold plated case, highly polished, gold plated blade box with **one extra auto-strop blade,** gold plated auto-strop safety razor with blade, selected leather strop, case is lined with purple velvet and satin, measures 3⅞×3 1⅜₁₆× 1⅜₁₆ in. when closed. Each set in a purple flannel bag.

No. F350G—Plain polished dome top case★ ..... per dozen $60.00

No. F351G—Diamond design embossed top case with name plate for engraving★ ..... per dozen $60.00

ONE IN A CARTON

EMBOSSED METAL CASE

Size of case 4⅛×2×1⅛ in., lined with purple velvet and satin; the top of the case is artistically embossed, contains a silver plated self-stropping auto strop safety razor; shell horsehide strop, and twelve blades.

No. 251—Nickel plated case, per dozen sets $60.00

No. 254S—Gun metal finish case, per dozen sets $60.00

ONE IN A BOX

★ Items Marked Thus ★ Are Shipped From Factory Only.

Prices on Application

DROP FORGED STEEL WRENCHES

CRESCENT, single end, forged steel ribbed handle, special steel jaws, hardened, tempered and polished, 22½ degree angle engineer's wrench.

Nos.	504	506	508
Size, in.	4	6	8
Opening, in.	½	¾	15/16
W't per doz., lbs.	1½	4	8
Per dozen	$7.80	7.80	9.60

Nos.	5010	5012	5015	5018
Size in.	10	12	15	18
Opening, in.	1½	1 5/16	1 11/16	2 1/16
W't, doz., lbs.	16	24	52	84
Per dozen	$12.00	18.00	27.00	39.00

STOCK REPAIRS

Jaws.

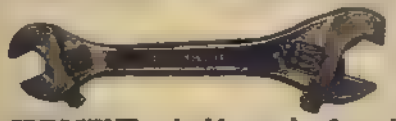
Nos.	54	56	58	510	512
Size, in.	4	6	8	10	12
Per dozen	$3.00	3.00	3.60	4.80	7.20

Thumb Knurls.

Per dozen	$1.20	1.20	1.44	1.80	3.00

Pins.

Per dozen	$0.60	.60	.60	.60	1.20



CRESCENT, double end, forged steel, ribbed handle, special steel jaws, hardened, tempered and polished, 22½ degree angle engineer's wrench.

Parts are interchangeable with Crescent single end wrenches.

Nos.	46	48	60	112
Size, in.	6	8	10	12
Opening, in.	½&¾	¾& 15/16	15/16& 1½	1½ to 1¾
W't, doz., lbs.	5	8½	15	27
Per dozen	$13.20	15.00	18.00	24.00

ONE IN A BOX

CARLL ADJUSTABLE

Polished jaws, natural finish handles. Drop forged from high grade steel, carefully hardened and tempered, sliding jaws are reversible and can be used for either nut or pipe wrench, also on square or hexagon nuts. Knurl fitted with spiral spring for holding adjustment.

Nos.	68	88	810
Size, in.	6	8	10
Opening, in.	1	1½	1½
W't per doz., lbs.	5	10	18
Per dozen	$15.00	18.00	23.50

ONE IN A BOX
HALF DOZEN IN A CARTON

GENERAL PURPOSE WRENCHES

Drop Forged Steel, Semi-Finished, Case Hardened.

Nos.	475T	477T	479T
Size bolts, in.	5/16 to ½	½ to 5/8	11/16 to ¾
Openings, in.	½&9/16	9/16&¾	¾&13/16
Length, in.	6½	7½	8½
W't per doz., lbs.	2	3½	6½
Per dozen	$3.24	4.08	5.16

Nos.	481T	483T
Size bolts, in.	¾ to 5/8	5/8 to ¾
Openings, in.	13/16 & 15/16	15/16 & 1 1/16
Length, in.	9½	10½
W't per doz., lbs.	9½	14
Per dozen	$6.60	8.40

Drop Forged Steel, Unfinished.

Nos.	475	477	479
Size bolts, in.	5/16 to ½	½ to 5/8	5/8 to ¾
Openings, in.	9/16&¾	¾&15/16	15/16&1 1/16
Length, in.	6½	7½	8½
W't per doz., lbs.	2	3½	6½
Per dozen	$2.16	2.76	3.48

Nos.	481	483
Size bolts, in.	¾ to 5/8	5/8 to ¾
Openings, in.	1 1/16&1 5/16	1 5/16&1 9/16
Length, in.	9½	10½
W't per doz., lbs.	9½	14
Per dozen	$4.56	6.00

HALF DOZEN IN A BOX

GENERAL PURPOSE SETS IN BUNDLES

No. 105—One each Nos. 475, 477, 479, 481 and 483, w't per set 2½ lbs., per set $1.58

GENERAL PURPOSE SETS

Set consists of 5 wrenches, one each Nos. 475, 477, 479, 481 and 483. For Bolts 5/16 to ¾ in. In canvas rolls.

No. 110—Unfinished, drop forged, w't per set 2½ lbs. ..... per set $1.90

No. 115—Semi-finished, case hardened, w't per set 2½ lbs., per set $2.29

DROP FORGED STEEL WRENCHES

UNFINISHED, double head, engineers' pattern, 15 degree angle, milled for U. S. standard nuts.

Nos.	21	23	25
Size bolts, in.	¼&5/16	5/16&⅜	⅜&7/16
Openings, in.	5/16&⅜	⅜&7/16	7/16&½
Extreme length, in.	3½	4	4½
W't, doz., lbs.	2	2½	2½
Per dozen	$1.44	1.68	2.04

Nos.	27	29	31
Size bolts, in.	5/16&⅜	⅜&7/16	5/16&½
Openings, in.	⅜&7/16	7/16&½	½&9/16
Extreme length, in.	5½	6½	7½
W't, doz., lbs.	3½	4½	7
Per dozen	$2.52	3.00	3.60

Nos.	33	35	37
Size bolts, in.	⅜&7/16	7/16&½	½&9/16
Openings, in.	½&9/16	9/16&1 1/16	1 1/16&1 1/8
Extreme length, in.	8½	9½	11½
W't, doz., lbs.	8½	12½	18½
Per dozen	$4.44	5.52	7.92

Nos.	39	41
Size bolts, in.	½&9/16	⅝&1
Openings, in.	1 1/16&1 1/16	1 1/16&1 1/8
Extreme length, in.	13½	13½
W't, doz., lbs.	24	36
Per dozen	$12.00	16.80

LOOSE

WILLIAMS

SEMI-FINISHED, double head, engineers' pattern, 15 degree angle, milled for U. S. standard nuts, case hardened.

Nos.	21T	23T	25T
Size bolts, in.	¼&5/16	5/16&⅜	⅜&7/16
Openings, in.	5/16&⅜	⅜&7/16	7/16&½
Extreme length, in.	3½	4	4½
W't, doz., lbs.	2	2½	2½
Per dozen	$2.04	2.52	3.00

Nos.	27T	29T	31T
Size bolts, in.	5/16&⅜	⅜&7/16	7/16&½
Openings, in.	⅜&7/16	7/16&½	½&9/16
Extreme length, in.	5½	6½	7½
W't, doz, lbs.	3½	4½	7
Per dozen	$3.72	4.44	5.40

Nos.	33T	35T	37T
Size bolts, in.	⅜&7/16	7/16&½	½&9/16
Openings, in.	½&9/16	9/16&1 1/16	1 1/16&1 1/8
Extreme length, in.	8½	9½	11½
W't, doz., lbs.	8½	12½	18½
Per dozen	$6.60	8.16	11.52

LOOSE

WILLIAMS WRENCH ASSORTMENTS

Assortment contains 36 Semi Finished Drop Forged Wrenches, with openings milled for popular U. S. and S. A. E.

Standard Nuts and Cap Screws, size of board is 8×27 in.

Nicely finished in golden oak.

Three each of the following numbers.

Engineers Wrenches 15 degree angle.

Opening in.

No. 23 —$\frac{15}{32}$ and $\frac{1}{2}$.
No. 725 —$\frac{7}{16}$ and $\frac{1}{2}$.
No. 725B—$\frac{1}{2}$ and $\frac{9}{16}$.
No. 25 —$\frac{1}{2}$ and $\frac{19}{32}$.
No. 727 —$\frac{19}{16}$ and $\frac{5}{8}$.
No. 29 —$\frac{11}{16}$ and $\frac{25}{32}$.
No. 731A—$\frac{3}{4}$ and $\frac{7}{8}$.

Light Service Wrenches 22½ degree angle.

Opening in.

No. 75B—$\frac{5}{8}$ and $\frac{7}{16}$.
No. 77B—$\frac{1}{2}$ and $\frac{9}{16}$.
No. 79C—$\frac{5}{8}$ and $\frac{3}{4}$.
No. 81A—$\frac{3}{4}$ and $\frac{7}{8}$.

No. E2—W't per asst. 14 lbs., per assortment **$14.40**

ONE ASST. IN A BOX

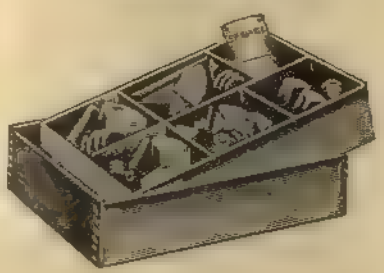
WRENCH ASSORTMENTS

No. E225—Consists of 25 sets of 5 different sizes, double end wrenches to a set. 125 wrenches in all. Size openings range ¼ and $\frac{5}{16}$, $\frac{3}{8}$ and $\frac{7}{16}$, ½ and $\frac{9}{16}$, $\frac{5}{8}$ and ¾, ⅞ and 1 in. Lengths are from 3¼ in. to 6¾ in., thickness ⅛ to $\frac{5}{16}$ in., made from superior stamped cold rolled steel and special case hardened, to withstand rough usage. Wrenches are mounted on handsome steel display boards 16½ in. high and 9½ in. wide. Retail value $16.25, w't per asst. 25 lbs.,

per assortment **$19.50**

ONE ASSORTMENT IN A BOX

CRESCENT WRENCH REPAIR ASSORTMENTS



No. 10—Contains an assortment of 14 jaws, 12 knurls, 11 pins and 13 springs for sizes 4 to 12 in. crescent wrenches, put up in a cardboard box with six compartments, size of box 4¼×6¼×1½ in., this enables dealer to carry these parts in a convenient way, w't per asst. 1½ lbs. . . . . **per assortment $10.00**

Our **OLD** and **Hibbard** Tools are made by skilled workmen from Best Materials, with an Accurate Knowledge of the Requirements of each article.

That every Article bearing these brands shall be the Best of its kind on the Market has been our constant Aim.

How well we have Succeeded is Shown by the Greater Number of Merchants who have Adopted these Brands as Their Standard and by the Increased Sales of Each.

Will you make these Slogans your Slogans?

"Our Very Best is The Very Best."

Hibbard
HARDWARE for HARD WEAR

CHECK NUT OR THIN WRENCHES

WILLIAMS

Semi-finished, drop forged, double head, 15 degree angle, milled for U. S. Standard nuts and cap screws.

Nos.	623	623D	625
Size Bolt, in.	7/16×1/4	1/4	1/4×5/16
Cap Screws, in.		1/4&5/16	
Openings, in.	11/32&3/8	5/16&3/8	3/8&13/32
Extreme length, in.	4 1/8	4 1/8	4 1/8
W't, doz., lbs.	1 1/8	1 1/8	1 1/8
Per dozen	$3.00	3.00	3.00

Nos.	626S	627	629
Size Bolt, in.	5/16×3/8	5/16×3/8	3/8×7/16
Cap Screws, in.	3/8×7/16		
Openings, in.	7/16&1/2	11/32&13/32	13/32&15/32
Extreme length, in.	5 1/8	5 1/8	6 1/8
W't, doz., lbs.	3	3	5
Per dozen	$3.84	3.84	4.80

Nos.	629E	631
Size Bolt, in.	1/4	7/16×1/2
Cap Screws, in.	1/4&5/16	
Openings, in.	5/16&3/8	13/32&7/16
Extreme length, in.	6 1/8	6 1/8
W't, doz., lbs.	5	5
Per dozen	$4.80	4.80

Nos.	632	632X
Size Bolt, in.	7/16×5/8	
Cap Screws, in.		1/2
Openings, in.	15/32&17/32	17/32&1
Extreme length, in.	8 1/2	8 1/2
W't, doz., lbs.	9	9
Per dozen	$6.72	6.72

PACKED LOOSE

CAP SCREW WRENCH

WILLIAMS

Semi-finshed, drop forged, double head, 15 degree angle, for Hexagon Head Cap Screws.

Nos.	721	723	723A
Size, Screws	1/4&5/16	5/16&3/8	5/16&7/16
Openings, milled	5/16&3/8	3/8&7/16	7/16&1/2
Thickness, head	5/16	1/4	1/4
Extreme length, in.	3 1/8	4	4
W't, doz., lbs.	1	1 1/2	1 1/2
Per dozen	$2.04	2.52	2.52

Nos.	725	725A	725B
Size Screws	1/4&3/8	1/4&3/8	5/16&3/8
Openings, milled	7/16&1/2	7/16&7/16	1/2&7/16
Thickness, head	9/32	9/32	9/32
Extreme length, in.	4 1/8	4 1/8	4 1/8
W't, doz., lbs.	2 3/4	2 3/4	2 3/4
Per dozen	$3.00	3.00	3.00

Nos.	727	729	731
Size Screws	3/8&7/16	7/16&1/2	1/2&9/16
Openings, milled	7/16&1/2	1/2&9/16	9/16&5/8
Thickness, head	5/16	11/32	13/32
Extreme lgth., in.	5 3/4	6 3/4	7 3/4
W't per doz. lbs.	5	6	8 1/2
Per dozen	$3.72	4.44	5.40

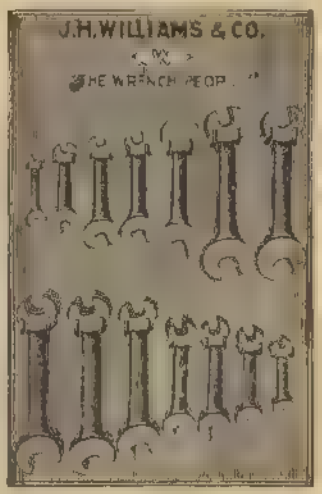
Nos.	731A	32	33C
Size Screws	1/2&9/16	7/16&7/16	9/16&11/16
Openings, milled	9/16&5/8	11/16&3/4	13/16&1
Thickness, head	13/32	7/16	7/16
Extreme lgth., in.	7 3/4	8 3/4	8 3/4
W't per doz., lbs.	8 1/2	9	9
Per dozen	$5.40	6.60	6.60

WRENCH ASSORTMENTS

GENUINE CRESCENT

No. E5—Consists of six each 4 and 10 in. and No. 68 twelve each 6 and 8 in., three each 12 in. and No. 80 one each 15 and 18 in., with handsome display board. This 26×25 in. board is made of selected quartered oak, five-ply veneered to prevent warping. It is surrounded by an ornamental molding. Upon the board is mounted a decalcomania transfer showing each wrench in its natural color and full size with the lettering in black and gold. The board is then given a high-rubbed varnish finish, in natural oak, equal to that of the finest furniture, w't each 75 lbs. .....each $76.90

WRENCH ASSORTMENTS



All Semi-finished Wrenches. Use our 021T line to fill in for these assortments.

Eighty-four 15 degree angle, double head wrenches in 14 sizes.

SIX EACH OF THE FOLLOWING NOS.

THIN WRENCHES

	Opening, in.
No. 623D	7/16 and 1/2
No. 626S	9/16 and 5/8
No. 627	15/32 and 1 1/16
No. 629E	3/4 and 1
No. 632	25/32 and 31/32
No. 632X	1 1/16 and 1

ENGINEERS' WRENCHES

	Opening, in.
No. 21	5/16 and 1 5/32
No. 23	1 3/32 and 1
No. 725	7/16 and 1
No. 27	1 3/32 and 1 1/16
No. 727	5/16 and 1 1/16
No. 731A	3/4 and 1
No. 32	25/32 and 31/32
No. 33C	1 5/16 and 1

No. E1D—Assortment on a 15×24 in. board, w't per ass't 41 lbs., per assortment $37.50

ONE ASSORTMENT IN A BOX

CAR WRENCHES

UNFINISHED, 22½ degree angle, milled for U. S. standard nuts.

Nos.	367	383
Size bolts, in.	3/4&1	1&1 1/4
Openings, in.	1 1/16&1 1/4	1 1/4&1 7/8
Length, in.	12	20
W't per doz., lbs.	18	42
Per dozen	$7.60	14.90
Nos.	376	383
Size bolts, in.	3/4&1	1&1 1/4
Openings, in.	1 5/8&1 1/2	1 1/4&2 1/8
Length, in.	21	24
W't per doz, lbs.	48	77
Per dozen	$18.50	30.80

LOOSE

WRENCHES

ALLIGATOR PATTERN

5½ in., cast steel, open handle, polished jaws, for ⅜ to ½ in. pipe and ⅜ to ½ in. round iron.

No. 1 CVB—Case hardened, w't per doz. 3¾ lbs. .....per dozen $2.50

ONE DOZEN IN A BOX

ORUSO WRENCH SETS

These are strong serviceable wrenches at a very attractive price.

No. 125 — Consists of five standard double end white nickel finish wrenches, made from heavy stamped steel, case hardened, sizes range 7/16 and ½, 9/16 and 19/32, ⅝ and 11/16, ¾ and ⅞, 15/16 and 1 in., w't per set 1½ lbs. .....per set $0.85

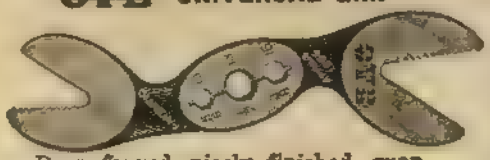
ONE SET IN A BOX

ROYSON

No. 204—6 in., drop forged nickel plated, carefully tempered, consists of 4 open end slotted wrenches fastened together with bolt and wing nut, wrenches fit U. S. Standard nuts on bolts from ⅜ to 7/16 in. diameter, also has 5/16 in. square opening in head of ⅜ in. wrench, w't per doz. 6 lbs. .....per dozen $11.80

ONE IN A BOX; ONE DOZEN IN A CARTON

CVB UNIVERSAL GRIP

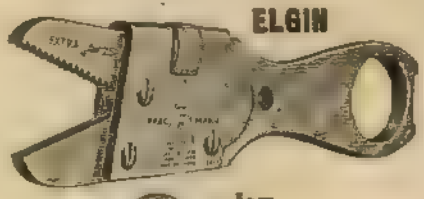


Drop forged, nicely finished, guaranteed first class.

No. 850 CVB—8¼ in., polished raised surfaces, grips from ⅜ to 1 in. diameters, dies for re-threading ⅜, ½ and ⅝ in. bolts, w't per doz., 11½ lbs. .....per dozen $7.50

HALF DOZEN IN A PACKAGE

ELGIN



Jaw.

The upper part of wrench is adjustable and is held open by a spring. It can be closed by the thumb nut until both jaws meet, giving the tool a wide range of work. The extra jaws are very easily adjusted and they renew the wrench indefinitely.

No. 202—7 in., for ⅜ to ½ in. pipe and ⅜ to ½ in. round iron, wrought steel, hardened jaws, nickel plated and polished, w't per doz. 7½ lbs., per dozen $24.00

Extra Toothed Jaws 6.00

ONE DOZEN IN A BOX

CVB

Our Very Best
Is
The Very Best

BIT BRACE SOCKET WRENCHES

Made of malleable, hardened so as to give the greatest strength. Nicely finished, japanned body, polished head and shank. Each size is accurately drifted to United States standard nut size. A shoulder prevents the nut working far up ino the wrench and the open shank prevents clogging with dirt, also enabling the user to handle dirt, also enabling use of wrench in places where brace would not go.

Square opening for U. S. standard nuts, cap screws and set screws.

Nos.	152	153	154	155
Openings, in.	⅜	7/16	½	19/32
Bolt size	5/16	...	⅜	½
Cap screw	⅜	5/16	½	7/16
Set screw	⅜	7/16	½	9/16
W't per doz, lbs.	1½	1¾	2⅜	2¾
Per dozen	$4.20	4.80	5.40	6.00

Nos.	156	157	158	159
Openings, in.	⅝	25/32	¾	1
Bolt size	⅝	7/16	½	½
Cap screw	½	⅝	⅝	...
Set screw	⅝	⅞	¾	1
W't per doz., lbs	3½	4½	5½	6½
Per dozen	$7.20	8.40	9.00	9.60

Hexagon openings for U. S. standard nuts and cap screws.

Nos.	167	168	169
Openings	7/16	½	19/32
Bolt size	½	½	½
Cap screws	½	5/16	⅝
W't per doz., lbs.	1½	2	2½
Per dozen	$4.80	5.40	6.00

Nos.	170	172	173
Openings, in.	⅜	25/32	¾
Bolt size		7/16	½
Cap screw	7/16	½	⅝
W't per doz., lbs.	2½	3½	4½
Per dozen	$7.20	8.40	9.00

ONE DOZEN IN A BOX

Prices on Application

GENUINE STILLSON PIPE WRENCHES

Drop forged tool steel, hardened jaws and frame, polished shank and frame. Movable steel pin holds frame to handle.

Double Spring, Hardwood Handle.

Nos.	206	208	2010	2014
Inches	6	8	10	14
For pipe, in.	⅛ to ½	⅛ to ¾	⅛ to 1	⅛ to 1½
W't, doz., lbs	6	9	19	38
Per dozen	$24.00	27.00	30.00	42.00

Double Spring, Solid Steel Handle.

Nos.	2018	2024	2036	2048
Inches	18	24	36	48
Pipe, in.	⅛ to 2	⅛ to 2½	⅛ to 3½	1 to 5
W't, doz., lbs.	54	96	180	300
Per doz.	$60.00	87.00	162.00	240.00

6 TO 24, HALF DOZEN; 36 IN., SIXTH DOZEN IN A BOX; 48 IN., LOOSE

EXTRA PARTS FOR STILLSON WRENCHES

Inches	6	8	10	14
Jaws	$9.00	9.60	10.20	13.80
Nuts	1.44	1.80	2.40	3.60
Frames	4.56	5.04	6.00	7.20
Frame Pins	.36	.36	.48	.48
Inches	**18**	**24**	**36**	**48**
Jaws	$21.00	27.00	52.20	90.00
Nuts	4.20	6.60	13.20	18.00
Frames	9.00	11.40	20.40	26.40
Frame Pins	.48	.48	.60	.60

VULCAN PIPE WRENCHES

Drop forged steel, saw tempered jaws, flat link chain.

Nos.	031	032	033
For pipe, in.	⅛ to 1½	⅛ to 2½	⅛ to 4
Length, in.	20	27	37
W't doz., lbs.	60	120	192
Per dozen	$42.00	60.00	84.00
Nos.	**033½**	**034**	**035**
For pipe, in.	1 to 6	1½ to 8	2 to 12
Length, in.	44½	50½	64½
W't., Doz., lbs.,	252	348	588
Per dozen	$108.00	132.00	216.00

GENUINE TRIMO PIPE WRENCHES

Drop forged bar steel hardened jaws and frame, insert jaw and frame fastened to handle with movable pin, with nut guard to hold in place, japanned handle, polished head and jaws.

Hardwood Handle.

Nos.	226	228	2210	2214
Inches	6	8	10	14
For pipe, in.	⅛ to ½	⅛ to ¾	⅛ to 1	⅛ to 1½
W't, doz., lbs.	6	9	19	40
Per dozen	$24.00	27.00	30.00	42.00

Solid Steel Handle.

Nos.	256	258	2510	2514
Inches	6	8	10	14
For pipe, in.	⅛ to ½	⅛ to ¾	⅛ to 1	⅛ to 1½
W't, doz., lbs.	6	9	19	40
Per dozen	$24.00	27.00	30.00	42.00
Nos.	**2518**	**2524**	**2536**	**2548**
In.	18	24	36	48
For pipe, in.	⅛ to 2	⅛ to 2½	⅛ to 3½	1 to 5
W't, doz., lbs.	60	96	192	300
Per doz.	$60.00	87.00	162.00	240.00

EXTRA PARTS FOR TRIMO WRENCHES.

Inches	6	8	10	14
Movable Jaws	$9.00	9.60	10.20	13.80
Nuts	1.44	1.80	2.40	3.60
Insert Jaws	4.20	4.80	6.00	7.20
Frames	4.56	5.04	6.00	7.20
Springs	.36	.36	.36	.36
Frame Pins	.36	.36	.48	.48
Jaw pins	0.36	0.36	0.48	0.48
Nut Guards	1.80	1.80	2.40	3.60
Inches	**18**	**24**	**36**	**48**
Mov. Jaw	$21.00	27.00	52.20	90.00
Nuts	4.20	6.60	13.20	18.00
Insert Jaws	8.40	9.60	13.20	24.00
Frames	9.00	11.40	20.40	26.40
Springs	0.48	0.48	0.48	0.48
Frame Pins	.48	.48	.60	.60
Jaw Pins	.48	.48	.60	.60
Nut Guards	4.20	5.40	6.60	7.80

TRIMO AUTO PIPE WRENCHES

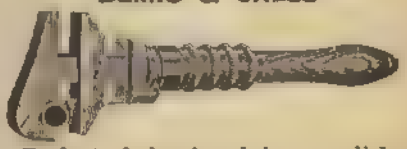
Narrow jaw, drop forged bar, steel hardened jaws, and frame. Frame fastened to handle with movable pin and fitted with nut guards to hold jaw in place. Japanned handle, polished head and jaws.

Jaws are narrower than in regular wrench and teeth are milled finer.

Nos.	266	268	2610
Inches	6	8	10
For pipe, in.	⅛ to ½	⅛ to ¾	⅛ to 1
W't, doz., lbs.	5	8	15
Per dozen	$24.00	27.00	30.00

HALF DOZEN IN A BOX

COMBINATION WRENCHES
BEMIS & CALLS



Tool steel, hardened jaws, polished hardwood handle. Bright with long nut.

Nos.	4510	4512	4515
Inches	10	12	15
Opening, in.	2⅛	3⅛	3⅛
For pipe, in.	⅛ to 1	⅛ to 1½	⅛ to 2½
W't per doz., lbs.	29	43	58
Per dozen	$30.00	36.00	48.00

HALF DOZEN IN A BOX

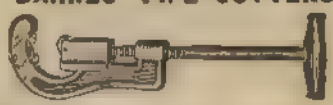
TRIMO PIPE CUTTERS

Drop forged, cast steel handle with iron grip, case hardened, rolls on pins, with cutter and two rollers.

Nos.	551	552	553
Sizes	1	2	3
Length, in.	15	18	19
For pipe, in.	⅛ to 1½	⅛ to 2	1½ to 3
W't, doz., lbs.	60	66	84
Per dozen	$54.00	72.00	120.00
Extra cutters	$4.80	4.80	6.00

LOOSE

BARNES' PIPE CUTTERS



Three wheel, malleable frame, crucible steel cutters and pins.

Nos.	1	2	3	4
For pipe, in.	⅛ to 1	⅛ to 2	1½ to 3	2½ to 4
W't, doz., lbs.	36	51	96	150
Per doz.	$54.00	72.00	120.00	240.00
Extra cutters, per doz.	$3.00	3.60	4.80	6.00

LOOSE

"GRAND OPERA"

Equipped With Universal Tone Arms—

These are the features that make "Grand Opera" the biggest phonograph value on the market: 1 — Universal tone arm which plays all records correctly. 2 — Five ply mahogany or quartered oak panels — the former hand polished, the latter waxed fumed finish. 3 — All panels inserted

NOTE—We can furnish golden oak and walnut finishes upon request

Ht. 43 in., width 19 in., depth 21½ in., double spring worm gear motor, 12 in. turntable, nickel plated tone arm and parts. 1 in case, 115 lbs.

Each

F8700—Mahogany.....
F8702—Fumed oak..... **$38.00**

Ht. 43 in., width 19 in., depth 21½ in., double spring worm gear motor, 12 in. turntable, nickel plated tone arm and parts, piano hinge top. 1 in case, 125 lbs.

Each

F8725—Mahogany.....
F8727—Fumed oak **$45.00**

Ht. 45 in., width 21 in., depth 22 in., double spring motor, 12 in green felt turntable, all metal parts heavily nickel plated. 1 in case, 135 lbs.

Each

F8605—Mahogany .....
F8606—Fumed oak.....
F8607 Golden oak..... **$53.50**

"PORTOPHONE"

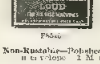
The most compact and best selling portable phonograph on the market

F8695—Ht. 16 in., length 13 in., width 13 in., imitation leather covered with nickel corners, record holder to carry 20 records, door adjustable to modify tone, plays when cover is closed, double spring motor, high grade fiber reproducer. Each in shipping carton, 18 lbs. Each **$19.75**

PHONOGRAPH RECORD CLEANING BRUSH

F8530—1 in carton. . . . .Each **12c**

TALKING MACHINE NEEDLES



F8544

F8546

Non-Rustable—Polished steel 100 needles in tone-proof 1 M (10 cays) in box.

	Per M
F8536—Loud	42c
F8511 Medium	

"Magnedo" Multiplaying—50 needles in box, 60 boxes to carton. Retail value $0.00

F8546—Medium. Carton **$1.75**

"Well Kane" Assortment—Steel, 20 needles in pkg enough for 500 records. Retail value $0.90. 6 doz pkgs on display stand.

F8545—Assorted medium loud and extra loud. ASST (72 doz pkgs.) **$3.75**

TALKING MACHINE RECORD ALBUMS

12 pockets strong and durable, wine color covers, gold lettering. 1 in pkg

F8651—For 10 in. records. Each. **$0.75**

F8652—For 12 in. records. Each. **.85**

Console Type Phonograph

Ht. 34 in., width 36 in., depth 23 in., micrometer adjusted double spring motor, 12 in. green felt turntable, all exposed parts heavily nickel plated. 1 in crate, 160 lbs.

F1—Mahogany brown birch.....Each, **$75.00**

PHONOGRAPHS

Play All Records Without Extra Attachments

in a continuous frame. 4—All wood tone chambers. 5—New style plush covered turntable with beveled edge (except F8605-07) 6—Tone modifier. 7—Speed regulator. 8—Improved brake. 9—Automatic stop (except F8700-02). 10—Each machine fully GUARANTEED.

NOTE—We can furnish golden oak and walnut finishes upon request

Ht. 50 in., width 22 in., depth 23 in., triple spring micrometer adjusted motor, 12 in. turntable, nickel plated tone arm and parts, piano hinge top, solid carved legs. 1 in case, 160 lbs.

Each

F8710—Mahogany.....{ **$65.00**
F8712—Fumed oak.....{

Ht. 51 in., width 23 in., depth 26 in., triple spring micrometer adjusted motor, 12 in. turntable, nickel plated tone arm and parts, piano hinge top, hand carved corner posts on top and bottom. 1 in case, 165 lbs

Each

F8715—Mahogany.....{ **$79.00**
F8717—Fumed oak. .....{

Ht. 51 in., width 23 in., depth 26 in., triple spring motor, 12 in. turntable, gold plated tone arm and parts, piano hinge top, lock and key, hand carved corner posts on top and bottom. 1 in case, 190 lbs.

Each

F8720—Mahogany .....{ **$96.00**
F8722—Fumed oak.....{

Design Patented

Console Type Phonograph

Georgian Period Design

Ht. 34 in., width 45 in., depth 24 in., multiple spring motor, 12 in. turntable, gold plated tone arm and parts. 1 in crate, 200 lbs.

F8696—Mahogany,

$125.00 EACH

DUE NET JULY 1, 1923

Sell Phonographs and Saxophones on Time Payment Plan

NO INVESTMENT—You Can Get a Sample Phonograph FREE

10 Records FREE with Sample Phonograph

5 "Victor" Records with Sample Phonograph

5 "Columbia" Records with Sample Phonograph

Special January Offer Includes 10 Records—5 "Victor" Records and 5 "Columbia" Records — FREE!

The records are free whether you earn the free sample or not.

Here's The Plan

Order the Phonograph listed below (with which we include FREE 5 "Victor" and 5 "Columbia" records). Your order will be recorded on our ledger as—

Due Net July 1st, 1923

If by that date you have purchased 5 additional "GRAND OPERA" Phonographs (any models) and paid for them when due, according to our regular terms, you will receive a credit memorandum canceling the charge for the sample phonograph.

"Grand Opera" Phonograph Retail Price $130.00

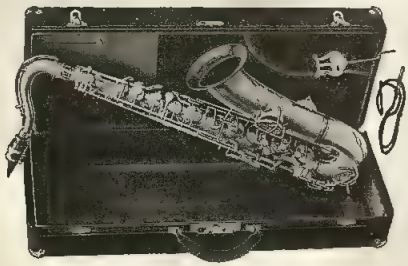
F8710—Mahogany, ht. 50 in., width 22 in., depth 23 in., triple spring micrometer adjusted motor 12 in. plush covered beveled edge turntable, nickel plated tone arm and parts, automatic stop, piano hinge top, solid carved legs, hand carved corner posts. Equipped with Universal tone arm, plays all records without extra attachments. 1 in case, 160 lbs.

$65.00 Each

Golden and Fumed Oak Furnished Upon Request

"GRAND OPERA" C MELODY SAXOPHONES

NO INVESTMENT—Your Sample FREE if you sell 5 other Saxophones



Order one of these Saxophones and we will record it on our ledger as **Due Net July 1, 1923**

If by that date you have purchased 5 additional "GRAND OPERA" Saxophones and paid for them when due, according to our regular terms, you will receive a credit memorandum canceling the charge for the sample saxophone.

Each saxophone equipped with the single octave key. Sockets are drawn from body stock and not soldered on. Equipped with silver plated music lyre, mouthpiece, reed holder with protecting cap, one reed, and carrying strap. Each in velvet lined leather case

F8300—Brass, highly polished, with imitation leather flannel lined case. Each, **$63.00**

F8301—Silver plated, with imitation leather velvet lined case. Each, **77.00**

F8302—Silver plated, gold bell, with imitation leather velvet lined case Each, **81.00**

NOTE—Each of the above with pearl keys, $6.00 extra

GUARANTY—Saxophones are guaranteed to be in perfect condition when shipped and will gladly replace any that are defective in material or construction. Saxophones should not be returned under this guaranty until application for return has been approved by us

SCHOFIELD PIANOS AND PLAYER PIANOS

Schofield pianos and player pianos are manufactured exclusively for Butler Brothers by one of the oldest, largest and best known piano manufacturers in America. These pianos are noted for their unusual beauty of tone, their artistic design and their handsome finish. They appeal strongly to those critical buyers who appreciate true musical worth.

Cases cross banded and double veneered inside and out, Empire Grand top on Upright pianos, metal bronzed plates, nushed nickel plated tuning pins, genuine ivory keys, double repeating piano action, highly finished action rails and action brackets, copper wound bass strings, latest improved metal pedal trap work. The Schofield player pianos pump very easily, automatic tracker makes the music roll track correctly, transposing device enables you to play any music roll in five different keys and all players have latest type bass and treble expression devices and metal tubing.

Upright Pianos

Rolling Colonial fallboard with continuous hinge, 7⅛ octave compass, height 4 ft. 7½ in., depth 2 ft. 2½ in., width 5 ft. 2½ in. 1 in crate, approx. 800 lbs.

F8960—Polished mahogany.
F8961— " golden oak.
F8962— " walnut.

Each, **$200.00**

Combination duet bench. Double veneered inside and out, seat 30x14½ in., 21 in. high, music compartment under seat with combination attachment for use of player piano. 1 in crate.

		Each
F8976—Polished mahogany top		
F8977— "	golden oak top	$10.50
F8978— "	walnut top	

Upright Pianos

Round Boston roll fallboard with continuous hinge, 7⅛ octave compass, height 4 ft. 8½ in., depth 2 ft. 4½ in., width 5 ft. 3 in. Full size swing music rest. 1 in crate, approx. 835 lbs.

F8964—Polished mahogany.
F8965— " walnut.

Each, **$300.00**

Combination duet bench. Top fancy figured double veneered inside and out hardwood base seat 30x14½ in. 21 in high, music compartment under seat, with combination attachment for use of player piano. 1 in crate.

		Each
F8980—Polished mahogany top		
F8975—	walnut top.	$14.75

Player Pianos

Rolling Colonial fallboard with continuous hinge, 88 note compass, height 4 ft. 7½ in., depth 2 ft. 5½ in., width 5 ft. 2½ in. 1 in crate, approx. 850 lbs.

F8967—Polished mahogany.
F8968— " golden oak.
F8969— " walnut

Each, **$325.00**

Combination duet bench. Double veneered inside and out, seat 30x14½ in., 21 in. high, music compartment under seat with combination attachment for use of player piano. 1 in crate.

		Each
F8976—Polished mahogany top		
F8977— "	golden oak top	$10.50
F8978— "	walnut top	

Small Grand Piano

An attractive small grand of beautiful tone and artistic design. This superb instrument harmonizes with almost any setting and has charm and distinction. Well balanced scale, 7⅓ octave compass, length 4 ft. 10 in., width 4 ft. 8 in. 1 in. crate, approx. weight 850 lbs.

F8974—Polished brown mahogany.

Each, **$475.00**

Piano stool. Brass claw feet tipped with glass balls. Adjustable seat 14½ in. diam.

F8983—Polished mahogany
F8985— " walnut
F8984— " golden oak

Each **$4.25**

Player Pianos

Round Boston roll fallboard with continuous hinge, 88 note compass, height 4 ft. 8½ in., depth 2 ft 4½ in., width 5 ft. 3 in. 1 in crate, approx. 935 lbs.

F8971—Polished mahogany
F8972— " walnut.

Each, **$400.00**

Combination duet bench. Top fancy figured double veneered inside and out hardwood base, seat 30x14½ in., 21 in high music compartment under seat with combination attachment for use of player piano. 1 in crate.

		Each
F8980—Polished mahogany top		
F8975— "	walnut top	$14.75

TERMS—Invoice to date as May 1, 1923. 2% discount if paid on or before May 10, 1% discount if paid on or before May 30.

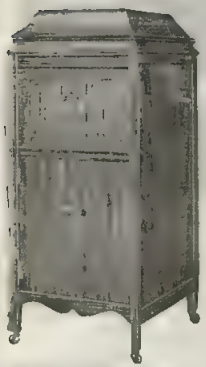
SCHOFIELD pianos and player pianos guaranteed for 10 years.

PHONOGRAPHS

Play All Records Without Extra Attachments

in a continuous frame. 4—All wood tone chambers. 5—New style plush covered turntable with beveled edge (except F8605). 6 — Tone modifier. 7 — Speed regulator. 8 — Improved brake. 9 — Automatic stop. 10 — Each machine fully GUARANTEED.

NOTE—We can furnish golden oak and walnut finishes upon request



Ht. [illegible] in., width 22 in., depth 25 in., double spring micrometer adjusted motor, 12 in. turntable, nickel plated tone arm and parts, automatic stop, piano hinge top, solid carved legs, hand carved corner posts. 1 in case, 160 lbs. Each

F8711—Brown mahogany
F8712—Fumed oak
F8714—Golden oak

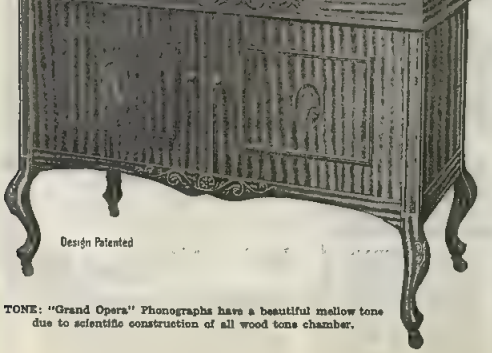
$65.00

Ht. 51 in., width 23 in., depth 20 in., triple spring micrometer adjusted motor, 12 in. turntable, nickel plated tone arm and parts, automatic stop, piano hinge top, hand carved corner posts on top and bottom, carved grill. 1 in case, 165 lbs.

F8716—Brown mahogany. Each, **$87.50**

Ht. 51 in., width 25 in., depth 26 in., triple spring motor, 12 in. turntable, gold plated tone arm and parts, automatic stop, piano hinge top, lock and key, hand carved corner posts on top and bottom. 1 in case, 190 lbs.

F8721—Brown mahogany. Each, **$98.00**



Design Patented

TONE: "Grand Opera" Phonographs have a beautiful mellow tone due to scientific construction of all wood tone chamber.

Console Type Phonograph

Georgian Period Design

A distinctive design in a modern console type phonograph. Solidly constructed of the best grade materials.

Ht. 34 in., width 45 in., depth 24 in., multiple spring motor, 12 in. turntable, gold plated tone arm and parts. 1 in crate, 200 lbs.

F8696—Brown Mahogany.

$125.00 EACH

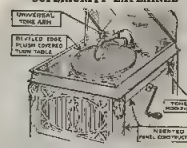
"GRAND OPERA"

Equipped With Universal Tone Arms—

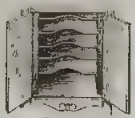
These are the features that make "Grand Opera" the biggest phonograph value on the market: 1 — Universal tone arm which plays all records correctly. 2 — Five ply mahogany or quartered oak panels — the former hand polished, the latter waxed fumed finish. 3 — All panels inserted

On any bill of phonographs we will allow dating terms as follows: Invoice to date as May 1, 2% 10 days, 1% 30 days, net 60 days

A FEW POINTS OF "GRAND OPERA" SUPERIORITY EXPLAINED



Universal Tone Arm plays all records without extra attachments.
Plush Covered Turn Table is superior to most other phonographs which have only billiard cloth on the turntable.
Tone Modifier usually found only in much higher priced machines.
Panel Construction. Each panel is set in a continuous frame which prevents flat surfaces from warping and adds years to the life of the machine.



Record Cabinet. In most machines the record shelves are merely slipped into grooves in the sides of the cabinets. In Grand Opera Phonographs the shelves are built into a box, stained and finished on all sides, then this box is placed in the cabinet and fastened securely with screws.

Ht. 43 in., width 19 in., depth 21½ in., double spring worm gear motor, 12 in. turntable, nickel plated tone arm and parts, automatic stop, piano hinge top. 1 in case, 125 lbs.

F8726—Brown mahogany. Each, **$45.00**

Ht. 45 in., width 21 in., depth 23 in., double spring motor, 12 in. green felt turntable, all metal parts heavily nickel plated. 1 in case, 150 lbs.

F8706—Brown mahogany Each, **$57.50**

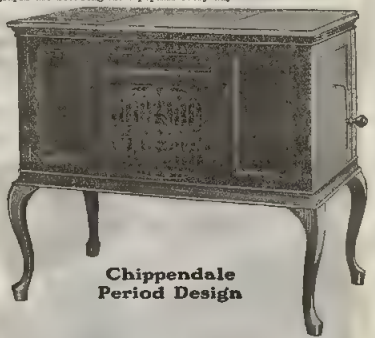
CONSOLE TYPE PHONOGRAPHS

Attractive and up-to-date designs. Console type phonographs are becoming more popular every day

Queen Anne Period Design

Ht. 34 in., length 36 in., width 22 in., double spring Heinaman motor, nickel plated tone arm and fittings, 12 in. plush covered turntable, bevelled edge 5 ply mahogany veneer cabinet, hand rubbed and polished, five compartments for records. 1 in case, 165 lbs.

F8731—Brown mahogany . . . . . Each, **$69.50**



Chippendale Period Design

Ht. 34 in., length 40 in., width 22 in., high grade double spring Heinaman motor, piano hinged top, 12 in. plush covered turntable, tone arm and all parts nickel plated, automatic stop, cabinet reinforced throughout, 5 ply mahogany veneer, hand rubbed polished and finished, compartments on each side of tone chamber for records. 1 in case, 190 lbs.

F8736—Brown mahogany . . . . . Each, **$78.00**

DUE NET JULY 1, 1923

NO INVESTMENT—Sell Phonographs on Time Payment Plan

You Get These Free
With Sample Phonograph

5 "Victor" Records with Sample Phonograph

5 "Paramount" Records with Sample Phonograph

IN THE "GRAND OPERA" PHONOGRAPH

Master cabinet makers set a new standard of QUALITY, BEAUTY and DURABILITY.

You Can Get
A SAMPLE PHONOGRAPH FREE

Special April Offer Includes 10 Records—5 "Victor" Records and 5 "Paramount" Records—FREE!

The records are free whether you earn the free sample or not.

Here's the Plan

Order the Phonograph listed below (with which we include FREE 5 "Victor" and 5 "Paramount" records). Your order will be recorded on our ledger as—

Due Net July 1, 1923

If by that date you have purchased additional "GRAND OPERA" Phonographs (any models) and paid for them when due, according to our regular terms, you will receive a credit memorandum canceling the charge for the sample phonograph.

"GRAND OPERA" PHONOGRAPH
Retail Price $130.00

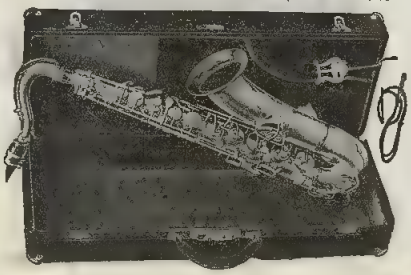
F8711—Mahogany, ht. 50 in., width 22 in., depth 25 in., triple spring micrometer adjusted motor, 12 in. panel covered beveled edge turntable, nickel plated tone arm and parts, automatic stop, piano hinge top. Equipped with Universal tone arm, plays all records without extra attachment. 1 in case, 160 lbs.

$65.00 EACH

GOLDEN OR FUMED OAK FURNISHED UPON REQUEST

"GRAND OPERA" C MELODY SAXOPHONES

NO INVESTMENT — Your Sample FREE if You Sell 5 other Saxophones



Order one of these Saxophones and we will record it on our ledger as

Due Net July 1, 1923

If by that date you have purchased 5 additional "GRAND OPERA" Saxophones and paid for them when due according to our regular terms you will receive a credit memorandum canceling the charge for the sample saxophone.

Built in low pitch and has the **new single octave key.** Keys inlaid with mother of pearl. Supplied with silver plated music lyre, mouthpiece, reed holder with protecting cap, one reed and carrying strap. Each in long grain keratol case.

F8300—Brass, highly polished, with flannel lined case. C Melody ..... Each, **$69.00**

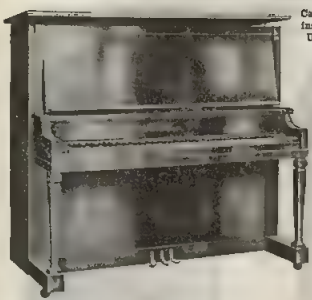
F8301—Silver plated, with velvet lined case. C Melody. Each, **83.00**

F8302—Silver plated, gold bell, with velvet lined case. C Melody ..... Each, **87.00**

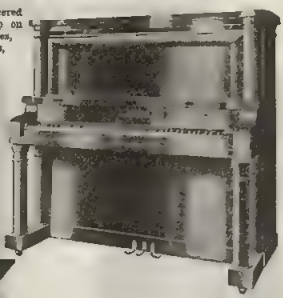
Saxophones in any key for outfitting orchestras can be secured at prices which offer a big saving. Write for prices.

SCHOFIELD PIANOS AND PLAYER PIANOS

Schofield pianos and player pianos are manufactured by one of the oldest, largest and best known piano manufacturers in America. These pianos are noted for their unusual beauty of tone, their artistic design and their handsome finish. Under the name of the manufacturer our customers would have to pay from $100 to $250 more for the identical piano than the prices named below. BUY ONE FOR A SAMPLE AND TAKE ORDERS—SEE DATING AND TERMS BELOW



Cases cross banded and double veneered inside and out, Empire Grand top on Upright pianos, metal bronzed plates, bushed nickel plated tuning pins, genuine ivory keys, double repeating piano action, highly finished action rails and action brackets, copper-wound bass strings, latest improved metal pedal trap work. The Schofield player pianos pump very easily, automatic tracker makes the music roll track correctly, transposing device enables you to play any music roll in five different keys and all players have latest type bass and treble expression devices and metal tubing.



Upright Pianos

Rolling Colonial fallboard and full continuous hinge, 7⅓ octave compass, height 4 ft. [illegible] in., depth 2 ft. [illegible] in., width 5 ft. [illegible] in., approx. 800 lbs.

F8960—Polished mahogany
F8961— " golden oak.
F8962— " walnut.

Each, **$195.00**

Combination duct bench. [illegible] veneered inside and out, [illegible] high, music compartment under seat, with combination attachment for use of player piano. 1 in crate.

F8978—Polished mahogany top....
F8977— " golden oak top
F8976— " walnut top
Each **$10.50**

Small Grand Piano

An attractive small grand of beautiful tone and artistic design. This superb instrument harmonizes with almost any setting and has charm and distinction. Well balanced scale, 7⅓ octave compass, length 4 ft. 10 in., width 4 ft. 8 in. 1 in crate, approx. weight 850 lbs.

F8974—Polished brown mahogany.

Each, **$475.00**

Piano stool. Brass claw feet, tipped with glass balls, adjustable seat, 14½ in. diam.

F8963 Polished mahogany
F8965 " [illegible]
F8964— " golden oak
Each **$4.25**

Upright Pianos

Round Boston [illegible] fallboard with continuous hinge, 7⅓ octave compass, height 4 ft. [illegible] in., depth 2 ft. [illegible] in., width 5 ft. [illegible] in. Full size carving in music rest. 1 in crate, approx. 850 lbs.

F8964—Polished mahogany.
F8965— " walnut.

Each, **$295.00**

Combination duct bench. Top fancy figured, double veneered inside and out, [illegible] high, music compartment under seat, with combination attachment for use of player piano. 1 in crate.

F8966—Polished mahogany top....
F8975— " walnut top....
Each **$14.75**

Player Pianos

Rolling Colonial fallboard with continuous hinge, 88 note compass, height 4 ft. 7½ in., depth 2 ft. 4½ in., width 5 ft. 3½ in. 1 in crate, approx. 900 lbs.

F8967 Polished mahogany.
F8968— " golden oak.
F8969 " walnut.

Each, **$325.00**

Combination duct bench. Double veneered inside and out, [illegible] high, music compartment under seat, with combination attachment for use of player piano. 1 in crate.

F8980—Polished mahogany top....
F8979— " golden oak top
F8981— " walnut top
Each **$10.50**

Player Pianos

Round Boston roll fallboard with continuous hinge, 88 note compass, height 4 ft. 8½ in., depth 2 ft. 4½ in., width 5 ft. 3 in. 1 in crate, approx. 935 lbs.

F8971—Polished mahogany.
F8972— " walnut.

Each, **$385.00**

Combination duct bench. Top fancy figured, double veneered inside and out, [illegible] high, music compartment under seat, with combination attachment for use of player piano. 1 in crate.

F8968—Polished mahogany top....
F8973— " walnut top
Each **$14.75**

PIANO TERMS

Invoice to date as May 1, 1923 2% discount if paid on or before May 10. 1% discount if paid on or before May 30.

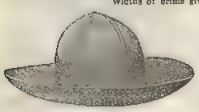
SCHOFIELD pianos and player pianos guaranteed for 10 years.

HARVEST HATS

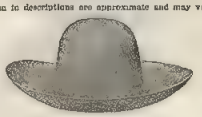
Because we manufacture our own hats we know that we always offer the newest shapes, that they are finished and packed better and are priced lower than those offered by any other jobber. All we ask is that you COMPARE.

MEN'S AND BOYS' PEANUT HARVEST HATS

Widths of brims given in descriptions are approximate and may vary somewhat. Assrtd. sizes. Men's 6⅝ to 7½, boys' 6½ to 7.

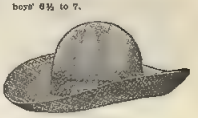


2 Dent Ridge Crown—Plain, roll brim. 1 doz. in pkg.
5A5893 Men's, 4¼ in brim.. } Doz. $1.20
5A5917 Boys', 3¾ in. brim }

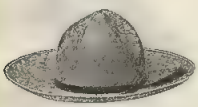


Round Crown—Plain, roll brim. 1 doz. in pkg
5A5800—Men's, 4¾ in brim... } Doz. $1.20
5A5915—Boys', 3⅝ " " ... }

Alpine Crown—Plain, planter brim. 1 doz. in pkg.
5A5801—Men's, 4½in brim Doz. $1.20



4 Dent Crown—Plain, planter brim. 1 doz. in pkg
5A5802—Men's, 4¼ in. brim... } Doz. #96
5A5816—Boys', 3¾ " " ... }



2 Dent Ridge Crown—Roll brim. 6 ligne black ribbed band. 1 doz. in pkg.
5A5808—Men's, 4¼ in. brim... Doz. $1.65

Round Crown—Roll brim 6 ligne black ribbed band. 1 doz. in pkg.
5A5805—Men's, 4¾ in brim... } Doz. $1.65
5A5845—Boys', 3⅝ " " ... }

Alpine Crown—Planter brim, 6 ligne black ribbed band. 1 doz. in pkg.
5A5806—Men's, 4½ in. brim. } Doz. $1.65
5A5846—Boy's, 3¾ " " }

4 Dent Crown—Planter brim, 6 ligne black ribbed band. 1 doz. in pkg.
5A5807—Men's, 4¼ in brim } Doz. $1.65
5A5847—Boys 3¾ }

Alpine Crown—Flat brim with tan binding 10 ligne black ribbed band, eyelet ventilator each side. 1 doz. in pkg Doz.
5A5813—Men's, 4¼ in. brim.. $2.25

High, 4 Dent Crown Flat brim with tan binding, 10 ligne black ribbed band, 4 eyelet ventilators. 1 doz. in pkg Doz.
5A5821—Men's, 4¼ in brim. $2.25

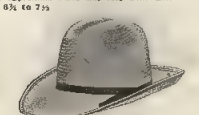
4 Dent Crown—Flat brim with tan binding 10 ligne black ribbed band eyelet ventilator each side leather patch sweat. 1 doz in pkg Doz
5A5822—Men's, 4¼ in brim $2.45

Round Crown Flat brim with tan binding 10 ligne, black ribbed band eyelet ventilator each side, leather patch sweat. 1 doz in pkg. Doz.
5A5814—Men's, 4¼ in brim . $2.45

MEN'S CURACAO HARVEST HATS

Widths of brims given in descriptions are approximate and may vary somewhat.
Assrtd sizes 6¾ to 7½

4 Dent Crown—Fine panama weave, 4 in. roll brim with tan binding 8 ligne black woven band, leather patch sweat.
5A5850—½ doz. in pkg ...Doz. $5.40



Alpine Crown—Fine panama weave, 2¼ in. roll brim with tan binding, 8 ligne black woven band, leather patch sweat.
5A5849—½ doz. in pkg ...Doz. $5.40

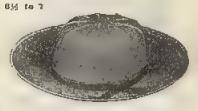
Round Crown Fine panama weave, 4 in roll brim with tan binding 8 ligne black woven band, leather patch sweat. Doz.
5A5848—½ doz. in pkg $5.40

2 Dent Ridge Crown Fine panama weave 4 in roll brim with tan binding 8 ligne black woven band, leather patch sweat.
5A5851 ½ doz. in pkg... Doz $5.40

BOYS' PEANUT STRAW HATS

Assrtd. sizes 6½ to 7

Telescope Crown—Imported peanut body, 2¾ in roll brim with tan binding 10 ligne black woven band.
5A5818 1 doz. in pkg .Doz $2.10



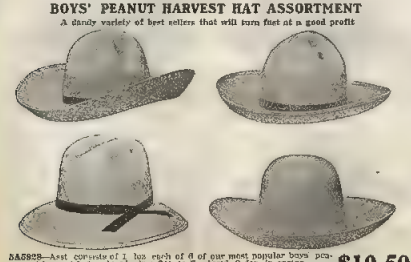
Nobby Ridge Crown—Imported peanut body, 3¼ in. roll brim with tan binding assrtd color 10 ligne fancy woven band
5A5820 1 doz. in pkg Doz. $2.10

Alpine Crown—Imported peanut body, 2¼ in. roll brim with tan binding 6 ligne brown leatherette band.
5A5819—1 doz. in pkg Doz. $2.10

2 Dent Ridge Crown—Imported peanut body, 3¼ in. roll brim with tan binding. 6 ligne brown leatherette band, eyelet ventilator each side
5A5821—1 doz. in pkg Doz $2.10

BOYS' PEANUT HARVEST HAT ASSORTMENT

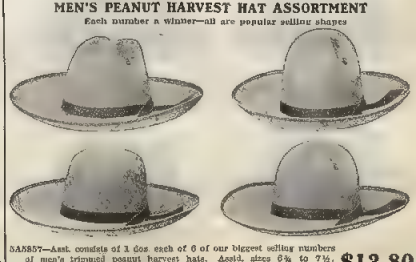
A dandy variety of best sellers that will turn fast at a good profit



5A5828—Asst consists of 1 doz each of 6 of our most popular boys peanut harvest hats. Assrtd. sizes 6½ to 7. Assrtd. 6 doz. in carton. ASST. (6 doz.) **$10.50**

MEN'S PEANUT HARVEST HAT ASSORTMENT

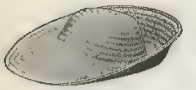
Each number a winner—all are popular selling shapes



5A5857—Asst. consists of 1 doz. each of 6 of our biggest selling numbers of men's trimmed peanut harvest hats. Assrtd. sizes 6⅝ to 7½. Assrtd. 6 doz. in carton. NO LESS SOLD. ASST. (6 doz.) **$13.80**

MEN'S AND BOYS' MEXICAN HARVEST HATS

Assrd. sizes. Men's 6¾ to 7⅛, boys' 6½ to 7.



Natural Shape—Genuine Antsero hat in original shape woven by Mexican Indians, unpressed. Ideal beach hat for men, women and children. 1 doz. in pkg.
5A8838—Men's ..... Doz. $1.40
5A8844—Boys' .....

2 Dent Ridge Crown—Genuine Antsero body, pressed, 1 in roll brim, 10 ligne black ribbed band, leather patch sweat. ½ doz. in pkg.
5A8833—Men's ..... Doz. $2.40
5A8842—Boys' .....

Round Crown—Genuine Antsero body, pressed, 4 in. roll br. on 10 ligne black ribbed band, leather patch sweat. ½ doz. in pkg.
5A8832—Men's ..... Doz. $2.40
5A8842—Boys' .....

Alpine Crown—Genuine Antsero body, pressed, 4 in. pleated brim, 10 ligne black ribbed band, leather patch sweat. ½ doz. in pkg. Doz.
5A8834 Men's .....
5A8844 Boys' $2.40

4 Dent Crown—Genuine Bolsado body pressed, wide 4½ in. flat brim with tan binding, 10 ligne black ribbed band, 2 eyelet ventilators, leather patch sweat, ½ doz. in pkg.
5A5835 Men's .... Doz. $3.25

Alpine Crown—Genuine Bolsado body, pressed wide 4½ in flat brim with tan binding 10 ligne black ribbed band 2 eyelet ventilators, leather patch sweat. ½ doz. in pkg.
5A5836—Men's . Doz. $3.60

Round Crown—Genuine Bolsado body, pressed wide 4½ in flat brim with tan binding 10 ligne black ribbed band, eyelet ventilator each side, leather patch sweat. 1 doz. in pkg.
5A8840—Men's Doz. $3.60

MEN'S TLAXIACO MEXICAN HARVEST HAT

5A8839—High 4 dent crown, genuine Tlaxiaco body, pressed, wide 5 in roll brim 10 ligne black ribbed band, 2 eyelet ventilators, leather patch sweat. Assrd sizes 6¾ to 7⅛. ½ doz. in pkg. Doz. $3.60

MEN'S 1 STRAW GRASS HAT

Army Shape

5A8835—4 dent crown, 4¼ in. flat wet brim regular U. S. army assrd color cord bands. Assrd. sizes 6¾ to 7⅛ 1 doz. in pkg.
Doz. $2.00

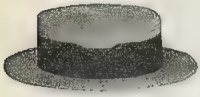
MEN'S TLAPENO MEXICAN HARVEST HATS

High 4 Dent Crown—Genuine light weight Mexican body flat wet brim with tan binding leather patch sweat. ½ doz. in pkg
5A8841—Men's, 6¾ in brim, 10 ligne black woven band, 2 black eyelet ventilators. Assrd sizes 6¾ to 7⅛
Doz. $4.50

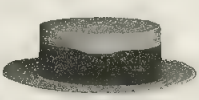
MEN'S DRESS STRAW HATS

MEN'S SENNIT AND FANCY YACHTS

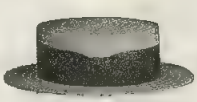
All have cushion sweats. Assrd. sizes: 6¾ to 7⅞



5A5980—Imported pearl braid, natural tan color, 3¼ in. crown, 2½ in. brim, fancy edge, 27 ligne brown woven band, imitation leather sweat, fancy paper tip with lace edge. ½ doz. in box
Doz. $9.00

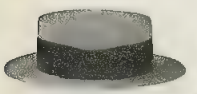


5A5990—Imported Jap fancy braid natural tan color 3¼ in crown 2 in brim 27 ligne crown woven band imitation reeded sweat, fancy color full paper tip, lace side lining. ½ doz in box
Doz. $12.00

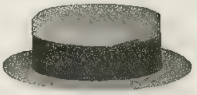


5A5875 Imported fancy braid, natural tan color, 3¾ in crown 2½ in soft brim, 27 ligne brown woven band imitation leather reeded sweat, fancy color full paper tip lace side lining ½ doz. in box
Doz. $12.00

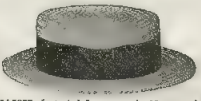
5A5876—Imported pearl braid bleached white, 4½ in crown, 2¼ in brim 27 ligne black woven band imitation leather reeded sweat, fancy color full paper tip, lace side lining. ½ doz. in box.
Doz. $12.00



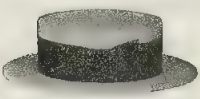
5A5950—Fine light weight Java body, bleached white, 3¾ in. crown, 2¾ in. brim, 27 ligne black woven band, imitation leather sweat, full paper tip. Solid sizes or your size, 6¾ to 7¼. SPECIFY SIZES.
½ doz. in box.
Doz. $12.00



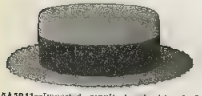
5A5904—Imported Jap sennit braid bleached white, open stitch, 3¼ in crown, 2¼ in brim, saw tooth edge, 27 ligne black woven band, sateen tip, imitation leather sweat, lace side lining. ½ doz. in box
Doz. $13.50



5A5877—Imported fancy rope braid, natural tan color, 3¼ in crown, 2¼ in brim, 27 ligne brown silk band, imitation leather reeded sweat, sateen tip, lace side lining ½ doz. in box
Doz. $13.50



5A5937—Imported Sennit braid, bleached white, concealed stitch 3¼ in crown, 3¼ in brim, saw tooth edge, 27 ligne black silk band, genuine leather sweat, satin tip, lace side lining. ½ doz. in box.
Doz. $15.00

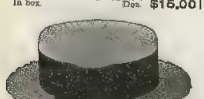


5A5941—Imported sennit braid, bleached white, concealed stitch, 3¾ in. crown, 2½ in. brim, saw tooth edge, 27 ligne black silk band, genuine leather sweat, colored sateen tip, lace side lining ½ doz. in box.
Doz. $15.00

5A5881—Imported fancy Barkalu braid, natural tan color 3¼ in. crown 2¼ in. brim, 27 ligne brown silk band, genuine leather reeded sweat, full colored sateen tip, lace side lining. ½ doz. in box.
Doz. $15.00

5A5889—Imported fancy Barkalu braid, natural tan color, 3¼ in. crown, 2¼ in. soft finish brim, 27 ligne brown silk band, genuine leather reeded sweat, full sateen tip, lace side lining. ½ doz. in box.
Doz. $16.50

5A5943—Imported sennit braid, bleached white, concealed stitch, 3¾ in crown, 2¼ in. m. new 2 ply saw tooth edge, 30 ligne silk band genuine ivey adjustable sweat, full colored silk tip lace side lining ½ doz in box.
Doz. $16.50



5A5942—Imported sennit braid, bleached white, concealed stitch, 3¾ in. crown, 2¼ in. brim, new radio edge, 30 ligne silk band, genuine leather sweat, full colored silk tip, lace side lining. ½ doz in box.
Doz. $16.50

5A5944—Improved sennit braid, concealed stitch, bleached white, 3½ in crown, 2 in brim, new 2 ply saw tooth edge, 30 ligne black silk band, genuine leather sweat, full colored satin tip, lace side lining ½ doz. in box.
Doz. $18.00

5A5945—Imported fancy satin braid bleached white, concealed stitch, 3¾ in crown, 2¼ in brim new radio edge, 30 ligne black silk band, genuine leather sweat, fancy satin tip, lace side lining. ½ doz. in box.
Doz. $19.50

All the goods in "Our Drummer" are subject to our regular discount of

2% FOR CASH IN 10 DAYS

WOMEN'S & CHILDREN'S STRAW HATS

MISSES' & CHILDREN'S PEANUT AND MILAN HATS

Child's Oval Crown Rah-Rah Imported peanut body 2½ in mushroom brim, with tan binding, 10 ligne assid. color silk bands.
5A8866—1 doz. in pkg....Doz. **$1.90**

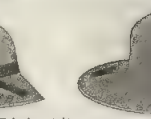
Child's 3 Dent Ridge Crown Rah-Rah Imported peanut body 2½ in mushroom brim with tan binding 10 ligne assid color silk bands
5A8867—1 doz in pkg Doz **$2.00**

Child's Round Crown Middy Imported peanut body, 2½ in roll brim, with tan binding, 10 ligne assid. color silk bands, pointed star on side of crown.
5A8864—1 doz. in pkg Doz. **$2.00**

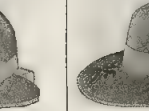
Girl's Ridge Crown Helmet—Imported peanut body, 2¾ in mushroom brim with tan binding, 10 ligne assid. color silk bands.
5A8862—1 doz. in pkg . Doz. **$2.10**

Child's 6 Ridge Crown Button Top Middy—Imported peanut body 2¾ in. roll brim with tan binding, 10 ligne assid. color silk bands.
5A8869 1 doz in pkg Doz. **$2.10**

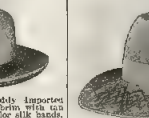
Child's Corrugated Crown Rah Rah—Imported peanut body, 2½ in mushroom brim, 18 ligne fancy woven bands with fancy binding to match.
5A8880—1 doz. in pkg . . Doz. **$2.10**



Misses' Diamond Crown—Imported peanut body, 4 in. flat brim with tan binding, 3 color butterfly design on brim
5A8860—1 doz. in pkg....Doz. **$2.00**

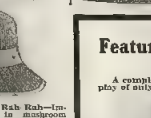


Misses' Round Crown—Imported peanut body, 4 in. mushroom brim with 3 color flower design and tan binding, 18 ligne assid color woven bands.
5A8888—1 doz. in pkg.....Doz. **$2.25**



Misses' Fancy Fluted Crown—Imported peanut body 4 in mushroom brim with assid. 3 color border designs and tan binding, 18 ligne assid. color woven bands
5A8889—1 doz. in pkg ...Doz. **$2.25**

Child's Ridge Crown Rah-Rah—Imported milan braid, mushroom brim, 15 ligne black woven band, side bow paper tip, featherette sweat, assid black and brown Assid sizes 6½ to 8½
5A8878—½ doz in box Doz. **$5.40**



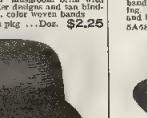
MISSES' 1 STRAW HAT

5A8823 Misses' octagon fluted crown, imported 2 straw grass 4 in. flat brim, assid color woven bands 1 doz. in pkg Doz. **$2.15**

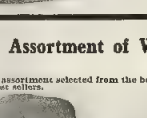
Child's Cross Ridge Crown Imported in Milan braid, roll brim middy, 15 ligne woven band, side bow paper tip, featherette sweat, assid black, brown and navy. Assid sizes 6½ to 8½
5A8827 ½ doz. in box Doz. **$5.40**

Child's Oval Crown Middy—Imported milan braid, 2½ in roll brim, 15 ligne woven band, side bow paper tip featherette sweat, assid brown and navy. Assid sizes 6½ to 8½
5A8829—½ doz. in box .Doz. **$7.20**

Child's Round Crown Middy—Imported milan braid, 2½ in roll brim, 15 ligne silk band fancy bow asteen tip lace side lining, featherette sweat, assid black, navy and brown Assid sizes 6½ to 8½
5A8834 ½ doz. in box Doz. **$8.50**



Child's Double Ridge Round Crown Middy—Imported milan braid, 2½ in. roll brim, 15 ligne silk band, fancy bow, silk tip with lace sides, featherette sweat, assid black, brown and navy Assid sizes 6½ to 8½
5A8905 ½ doz in box Doz **$9.00**

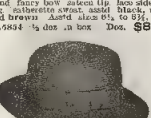


WOMEN'S PEANUT HATS

Square Crown—Imported peanut body 4½ in mushroom brim with 2 color flower design and tan binding
5A8885 ½ doz. in box Doz. **$2.00**

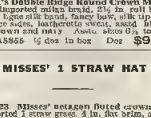
Telescope Crown—Imported peanut body, 4½ in mushroom brim with 2 color calla design 3/4 Lame fancy woven band binding to match
5A8891—½ doz. in pkg Doz. **$2.40**

New 3 Dent Ridge Crown Imported peanut body, 4½ in mushroom brim with 2 color scroll design and tan binding, silk cord band with tassels
5A8890—½ doz in pkg . Doz. **$2.40**



8 Point Crown—Imported peanut body, 4½ in roll brim with 2 color fan design and tan binding, 13 ligne assid color satin bands
5A8871—½ doz in pkg Doz **$2.40**

WOMEN'S 1 STRAW GRASS HAT



5A8872—Imported grass body, fancy dented crown, 4½ in mushroom brim, 18 ligne assid color woven bands.
½ doz. in pkg. Doz. **$2.15**

MISSES' and WOMEN'S 3 STRAW HAT ASST.

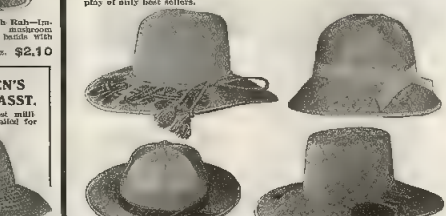
An assortment of the latest millinery shapes that can be retailed for 10c.

5A8801—Asst consists of 2 doz each of misses' and women's round crown, square crown and 2 dent crowns 4 in flat brims. Assid. 6 doz. in carton.

ASST (6 doz.) **$4.68**

Feature Assortment of Women's, Misses' and Children's Peanut Harvest Hats

A complete assortment selected from the best millinery sport models For a minimum investment you get a big display of only best sellers.



5A8883 Asst. consists of ½ doz. each of 12 of the best selling numbers of women's, misses' and children's peanut hats fancy sport trimmings and assid. color designs painted on brims and crowns Assid. 6 doz. in carton NO LESS SOLD. (Total $13.80) Doz **$2.30**

MEN'S CAPS AND HATS

The best popular priced line offered for Spring and Summer. From our observation, men's caps and hats will be big sellers this year in variety and general stores as well as in the popular priced sections of Dry Goods and Department stores.

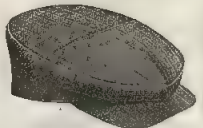
MEN'S LIGHT WEIGHT CAPS—Unbreakable Visors

Our caps are noted for the varied and handsome patterns and shades of all wool and wool mixture suitings. Attractive linings and good trimmings used throughout the entire line. The numbers are packed assrd. sizes and well boxed.

Assrd. sizes 6¾ to 7⅝.

Soft Finish Cassimere—6-4 crown, assrd brown, gray and blue mixed suitings, button top, taped seams, full leather sweat.
5A3518—Assrd. 1 doz. in box.
Doz. **$4.00**

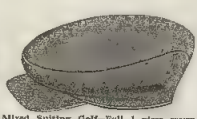
Mixed Cassimere Plaited Golf Assrd. brown, gray and green mixtures, 1 piece crown, colored lining, imitation leather sweat, snap button front, canvas interlined band and visor.
5A3360—Assrd. 1 doz. in box.
Doz. **$4.50**



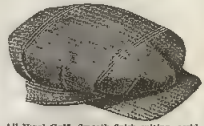
All Wool Smooth Finish Suiting—American Woolen Co's woolens assrd patterns, 6 piece crown, English golf shape stitched canvas visor, colored serge lining, leather forehead sweat.
5A3343—Assrd. ½ doz. in box
Doz. **$5.00**

Striped Woolens—Full 1 piece crown, English model, assrd. gray, brown and olive suitings, purple mercerized lining, leather forehead sweat.
5A3516—Assrd. ½ doz. in box.
Doz. **$5.50**

Mixed Wool Suiting—Assrd gray, brown and olive mixed cassimeres, 1 piece 8 point crown, leather forehead sweat, colored serge lining, canvas visor
5A3534—Assrd. ½ doz. in box.
Doz. **$6.00**

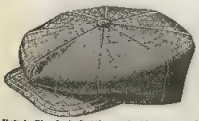


Mixed Suiting Golf—Full 1 piece crown assrd cassimere and gray wool mixtures, gold twill lining, leather forehead sweat.
5A3347—Assrd. ½ doz. in box.
Doz. **$6.50**



All Wool Golf—Smooth finish suiting, assrd. patterns, gray and brown full 3 piece crown, plaited back, colored serge lining, leather sweat, canvas visor.
5A3345—Assrd. ½ doz. in box.
Doz. **$7.50**

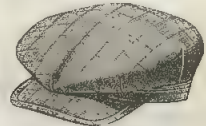
Wool Cheviot—Assrd. tan, brown and gray, 1 piece crown plain back, colored serge lining, leather forehead sweat, stitched canvas visor.
5A3531 Assrd. ½ doz. in box.
Doz. ***7.50**



Faint Checked Suitings—Assrd gray and brown checks, 8-4 golf crown colored serge lining, leather forehead sweat, canvas visor
5A3346—Assrd ½ doz. in box
Doz. **$8.00**

All Wool Cassimere Golf American Woolen Co's assrd dark mixtures 8-4 crown stitched band back, colored serge lining leather forehead sweat, canvas visor
5A3901—Assrd ½ doz. in box.
Doz. **$8.00**

All Wool Tweed Assrd gray and brown 1 piece crown plaited back, colored serge lining, leather forehead sweat, stitched canvas visor
5A3547 Assrd. ½ doz. in box
Doz. **$8.50**



Faint Overplaid Tweed Assrd gray and brown 1 piece 8 point crown plaited back, stitched band back silk serge lining, leather forehead sweat, stitched canvas visor
5A3538—Assrd. ½ doz. in box.
Doz. **$9.00**

Soft Finish Polo Cloth—Assrd tan and gray, 1 piece 8 point crown, plaited back, full English soft shape, fancy colored serge lining, leather leather forehead sweat.
5A3651—Assrd. ½ doz in box.
Doz. **$10.50**

Fancy Wool Tweed—Assrd gray and brown, 1 piece 8 point crown, stitched back, colored satin lining, leather forehead sweat, stitched canvas visor.
5A3535—Assrd. ½ doz. in box.
Doz. **$12.00**

Wool Whipcord—Assrd. gray, brown and tan 1 piece crown, plaited back stitched band, fancy 2 tone serge lining leather forehead sweat, stitched canvas visor.
5A3554—Assrd. ½ doz. in box.
Doz. **$12.00**

2 Special Values In Men's All Wool Caps

Your dollars buy greater value in these two numbers than anything else we know of on the market. These two sterling values will win many friends for you.

ALL WOOL CHEVIOTS
Gray and Tan

5A3902—Assrd. GRAY and TAN all wool cheviots, light weight, soft finish. Full shape, 1 pc. crown, 8 box plaits and stitched band, flexible stitched visor, snap button front, high grade silk serge lining, leather forehead sweat, Assrd. sizes 6¾ to 7⅜. ½ doz. in box
Doz. **$12.00**

ALL WOOL SERGE
Navy Blue

5A3745—American Woolen Co's all wool NAVY BLUE serge, fine weave, fast color Full shape, 1 pc crown, 8 box plaits and stitched band flexible stitched visor, snap button front, high grade silk serge lining, leather forehead sweat, Assrd. sizes 6¾ to 7⅜. ½ doz in box
Doz. **$12.00**

All Wool Homespun Tweed—Assrd gray and brown, 1 piece golf 8 point crown, stitched band back silk serge lining leather sweat, st ched canvas visor
5A3532—Assrd. ½ doz. in box.
Doz. **$12.00**

All Wool Shepherd Check Golf—Assrd. tan, brown and gray, latest shades, 6 point 1 piece crown plain back, English golf model fancy 2 tone silk serge lining, reeded leather sweat, stitched canvas visor
5A3555—Assrd ½ doz. in box.
Doz. **$13.50**

Faint Plaid Light Weight Cheviot—Assrt., gray and tan 4 point 1 piece crown English model, colored satin lining, reeded forehead sweat, stitched canvas visor 3 button front band
5A3556—Assrd ½ doz. in box.
Doz. **$15.00**

HOLMES & EDWARDS
SILVERWARE

Holmes & Edwards Silver Plate is distinctive and smart and carries with it our guarantee of complete satisfaction so that you can stand back of it with your own reputation.

Holmes & Edwards Silver Plate is nationally advertised and has many exclusive merchandising features, which attract and appeal to the consumer.

All of the goods are packed in a distinctive package and the *Super Roll is an exclusive patented feature* of this line.

The Artcraft and Haddon Hall chests are foremost among silverware containers as being distinctive and can be had only with the Holmes & Edwards line of Silver Plate

TWO ESTABLISHED QUALITIES

SILVER INLAID

The Silver Inlaid process insures against wear. For each staple piece stamped, Silver Inlaid has a cavity made at the back of the bowl and handle where it constantly wears on the table. This cavity is filled with solid silver before plating. This makes the article literally

"SOLID SILVER WHERE IT WEARS"

SUPER PLATE

In this process the articles are plated and finished by the Holmes & Edwards scientific method, embodying distinctive features which add to its wearing qualities.

"PROTECTED WHERE THE WEAR COMES"

THE HOLMES & EDWARDS SILVER COMPANY

International Silver Co., Successor

H&E-6-22

INTERNATIONAL SILVER CO

HOLMES & EDWARDS
SILVERWARE

SILVER INLAID
(Stamped Holmes & Edwards Silver Inlaid)

Sets of Six. Choice of Plain Box, Lined Super Case or H.E. Super Roll (Patent applied for)

Tea Spoons	per doz. $11 06
Dessert Spoons	per doz. 19 80
Table Spoons	per doz. 22 10
Breakfast Forks	per doz. 9 80
Dinner Forks	per doz. 22 10

SUPER PLATE
(Stamped Holmes & Edwards XIVHE)

Tea Spoons	Plain Box $8 34 doz.
Tea Spoons	Super Case or Super Roll 9 16 doz.
Dessert Spoons	Plain Box 14 84 doz.
Dessert Spoons, Super Case or Super Roll	15 78 doz.
Table Spoons	Plain Box 16.68 doz.
Table Spoons, Super Case or Super Roll	17 72 doz.
Breakfast Forks	Plain Box 14 84 doz.
Breakfast Forks, Super Case or Super Roll	15 78 doz.
Dinner Forks	Plain Box 16 68 doz.
Dinner Forks, Super Case or Super Roll	17 72 doz.

SPOONS

B. B. Soup	Super Case $17 72 doz.
Sugar Shell	Plain Box 15.76 doz.
Sugar Shell	Super Case 1 48 each
A. D. Coffee	Super Case 8 14 doz.
5 O'clock Tea	Super Case 9 10 doz.
Orange	Super Case 10 64 doz.
Bouillon	Super Case 15 76 doz.
Educator	Super Case 1 08 each
Berry Shel	Super Case 1 54 each
Iced Tea	Plain Box $14 76 doz.
Iced Tea	Super Case 12.80 doz.
Baby Bent	Super Case 1 08 each
Olive	Super Case 1 46 each
Large Salad	Super Case 4 04 each

FORKS

Tea	Plain Box $12 14 doz.
Oyster	Super Case 10 30 doz.
Pickle	Super Case 1 38 each
Ice Cream	Super Case 12 80 doz.
Cold Meat	Super Case 2 22 each
Individual Salad	Super Case 16 68 doz.
Educator	Super Case 1 08 each
Cake	Super Case 2 22 each
Large Salad	Super Case 4 30 each
Fish Server	Super Case 6 12 each
Pastry	Super Case 16.68 doz.

KNIVES

Butter	Plain Box $18 20 doz.
Butter	Super Case 1 68 each
Butter Spreaders	Super Case 14 38 doz.
Fish Serving	Super Case 7 58 each

LADLES

Mayonnaise	Super Case $1 86 each
Cream	Super Case 1 96 each
Gravy	Super Case 2.66 each
Soup	Super Case 7.84 each

MISCELLANEOUS

Sugar Tongs	Super Case $2 66 each
Tomato Server	Super Case 3 56 each
Jelly Server	Super Case 1.70 each

HOLLOW HANDLE CUTLERY
(Dinner and Breakfast Knives may be had in Super Roll without extra charge)

H. H. Dinner Knives	Super Case $26 18 doz.
H. H. Breakfast Knives	Super Case 20.06 doz.
H. H. Dinner Forks	Super Case 26 39 doz.
H. H. Child's Knives	Super Case 26.38 doz.
H. H. Fruit Knives	Super Case 26.38 doz.
H. H. Butter Spreaders	Super Case 26.38 doz.
H. H. Educator Knives	Super Case 2 20 each
H. H. Pie Server	Super Case 4.86 each
H. H. Cheese Server	Super Case 2 78 each
3-Piece H. H. Carving Set, 10"	Super Case 11 51 each
2-Piece H. H. Carving Set, 9"	Super Case 13 38 each
3-Piece H. H. Carving Set, 7"	Super Case 16 68 each
2-Piece H. H. Carving Set, 7"	Super Case 1 86 each
2-Piece H. H. Carving Set, 6"	Super Case 9.08 each

SILVERWELD KNIVES
(Solid Pattern Handle with Steel Blade)

Silverweld Knives . . . . Super Case $17 82 doz.

SUPER PLATE
Each set in Super Case

2-PIECE SETS

Sugar Shell and Butter Knife	$3 16 each
Educator Spoon and Fork	2 16 each
Berry Shell and Cold Meat Fork	5 76 each
Salad Spoon and Fork	8.34 each
H. H. Salad Spoon and Fork with Olive-wood Bowl and Tines	11 88 each

3-PIECE SETS

Student's Tea, Breakfast Fork, H. H. Knife	$4 64 each
Child's Set (Flat Knife)	3 48 each
Child's Set (H. H. Knife)	4 38 each
Educator Spoon, Fork, H. H. Knife	4 86 each

12-PIECE SETS
Knife and Fork Sets

6 H. H. Dinner Knives and 6 Dinner Forks	Silver Inlaid	Super Plate
Super Case	$24.26	$21 54 each
6 Silverweld Knives and 6 Dinner Forks		
Super Case	$19 98	$17 26 each
6 H. H. Breakfast Knives and 6 Breakfast Forks		
Super Case	$22 14	$20 46 each
6 Silverweld Knives and 6 Breakfast Forks		
Super Case	$18.76	$16 28 each

H & E-6-22

THE HOSTESS

Illustrations Full Size

INTERNATIONAL SILVER CO.

HOLMES & EDWARDS
SILVERWARE

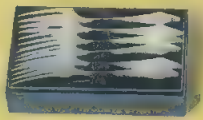
Pickle or Lemon Fork, $1.38 each

Sliced Tomato, Waffle, Egg and Vegetable Server, $5.54 each

Ice Cream Forks, $6.44 set of 6

2 Piece Educator Set, $2.16

Cold Meat Fork, $2.22 each



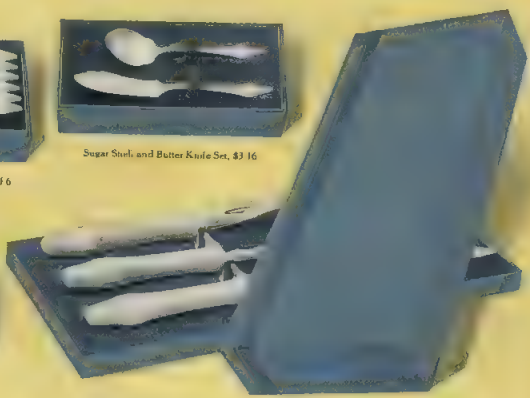
Five O'clock Tea Forks, $6.08 set of 6

Baby Spoon, bent handle $1.08 each

H. H. Cake, Pie or Ice Cream Server, $4.80 each

Iced Tea or Lemonade Spoons, $6.40 set of 6

Sugar Shell and Butter Knife Set, $3.16



Whipped Cream Ladle $1.96 each

3-Piece Large Carving Set, knife with 9-inch blade $9.50

THE HOSTESS Illustrated about One-Third Size

H & E.-6-22

INTERNATIONAL SILVER CO.

HOLMES & EDWARDS
SILVERWARE

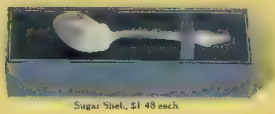
Salad Serving or Chafing Dish Set, with olive wood bowl and tines, $11.68

Round Bowl Soup Spoons, $8.86 set of 6

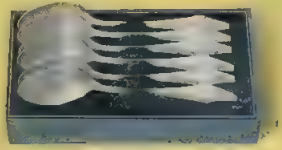
3-Piece Individual Carving Set, knife with 7-inch blade, $16.66

After Dinner Coffee Spoons, $4.08 set of 6

Butter Knife, $1.68 each



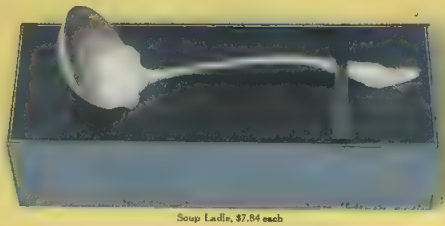
Sugar Shell, $1.48 each



Dessert or Cereal Spoons
Silver Inlaid, $9.90 set of 6
Super Plate, $7.90 set of 6

H. H. Fruit or Orange Knives, $13.20
set of 6

Tea Spoons
Silver Inlaid, $5.64 set of 6
Super Plate, $4.15 set of 6



Soup Ladle, $7.84 each

Oyster or Lobster Forks, $5.16 set of 6

THE HOSTESS — Illustrated about One-Third Size

H & E-6-22

INTERNATIONAL SILVER CO.

KITCHEN CABINETS
MADE OF WOOD

No. F6E-15E.

High Grade Refrigerator Style Nickel Hardware Interior of Top Compartments White Enameled. Drop Roll Curtain. Glass Jar Equipment consisting of Swinging Sugar Bin with Metal Cap and Cut-off, one Coffee, one Tea and five Spice Jars. Large Size Tilting Metal Sifter Flour Bin. Full Sliding Top of White Porcelian. Special Bracket and Block for Food Grinder. Sliding Banded Bread Board. Metal Bread and Cake Drawer with Sliding Metal Lid. Base cupboard is equipped with Sliding Metal Shelf and Pan Rack. Drawers are finished inside. BASE has complete 3-ply bottom with substantial built-up framework underneath. Ant-proof Casters. Dust-proof Lip Construction on all Doors and Drawers.

Height 70 in., Width 40 in., Depth 26 in,. W't each 225 lbs.

No. F6E-15E—All White Enameled★ ....each $76.00
No. F6-15—Golden Oak Finish★ .....each 70.00

No. F7E-15E.

High Grade Refrigerator Style Nickel Hardware. Interior of Top Compartments White Enameled. Drop Roll Curtain. Glass Jar Equipment consisting of Swinging Sugar Bin with Metal Cap and Cut-off, one Coffee, one Tea and five Spice Jars. Large Size Tilting Metal Sifter Flour Bin. Full Sliding Top of White Porcelian. Special Bracket and Block for Food Grinder. Sliding Banded Bread Board. Metal Bread and Cake Drawer with Sliding Metal Lid. Base cupboard is equipped with Sliding Metal Shelf and Pan Rack. Drawers are finished inside. BASE has complete 3-ply bottom with substantial built-up framework underneath. Ant-proof Casters. Dust-proof Lip Construction on all Doors and Drawers.

Height 70 in., Width 40 in., Depth 26 in,. W't each 225 lbs.

No. F7E-15E—All White Enameled★ .....each $72 00
No. F7-15—Golden Oak Finish★ .....each 66.00

High Grade Refrigerator Style Nickel Hardware. Interior of Top Compartments White Enameled. Drop Roll Curtain. Glass Jar equipment consisting of Swinging Sugar Bin with Metal Cap and Cut-off, one Coffee, one Tea and five Spice Jars. Large Size Lowering White Enameled Metal Sifter Flour Bin with Glass covered clear view opening. Full Sliding Top of White Porcelain. Special Bracket and Block for Food Grinder. Sliding Banded Bread Board. Metal Bread and Cake Drawer with Metal Sliding Lid. Base cupboard is equipped with Sliding Sanitary White Enameled Metal Tray, Sliding Metal Shelf and Pan Racks. Drawers are finished inside. BASE has complete 3-ply bottom with substantial built-up framework underneath. Divided Large Cutlery Drawer over Base Cupboard. Ant-proof Casters. Dust-proof Lip Construction on all Doors and Drawers.

Height 70 in., Width 48 in., Depth 28 in., W't each 300 lbs.

No. F3E-12E—All White Enameled,
each★ $98.00

No. F3-12—Golden Oak Finish,
each★ 92.00

★ Items Marked Thus ★ Are Shipped From Factory Only.

KITCHEN CABINETS
MADE OF WOOD

No. F5E-14E.

High Grade Refrigerator Style Nickel Hardware. Interior of Top Compartments White Enameled. Drop Roll Curtain. Glass Jar equipment consisting of Swinging Sugar Bin with Metal Cap and cut-off, one Coffee, one Tea and five Spice Jars, Large Size Lowering White Enameled Metal Sifter Flour Bin with Glass covered clear view opening. Full Sliding Top of White Porcelain. Special Bracket and Block for Food Grinder. Sliding Banded Bread Board. Metal Bread and Cake Drawer with Metal Sliding Lid. Base cupboard is equipped with Sliding Sanitary White Enameled Metal Tray, Sliding Metal Shelf and Pan Rack. Drawers are finished inside. BASE has complete 3-ply bottom with substantial built-up framework underneath. Divided Large Cutlery Drawer over Base Cupboard. Ant-proof Casters. Dust-proof Lip Construction on all Doors and Drawers.

Height 70 in., Width 40 in., Depth 26 in., W't each 240 lbs.

No. F5E-14E—All White Enameled★ ..... each $84 00
No. F5-14—Golden Oak Finish★ .....each 78.00

No. F4E-12E.

High Grade Refrigerator Style Nickel Hardware. Interior of Top Compartments White Enameled. Drop Roll Curtain Glass Jar Equipment consisting of Swinging Sugar Bin with Metal Cap and Cut-off, one Coffee, one Tea and five Spice Jars. Large size Lowering White Enameled Metal Sifter Flour Bin with Glass covered clear view opening. Full Sliding Top or White Porcelain. Special Bracket and Block for Food Grinder. Sliding Banded Bread Board. Metal Bread and Cake Drawer with Sliding Lid. Base cupboard is equipped with Sliding Sanitary White Enameled Metal Tray. Sliding Metal Shelf and Pan Racks. Drawers are finished inside, Base has complete 3-ply bottom with substantial built-up framework underneath. Divided large Cutlery Drawer over Base Cupboard. Ant-proof Casters. Dust-proof Lip Construction on all Doors and Drawers

Height 73 in., Width 48 in., Depth 28 in., W't each 315 lbs.

No. F4E-12E—All White Enameled★ .. each $100 00
No. F4-12—Golden Oak Finish★ .....each 94 00

High Grade Refrigerator Style Nickel Hardware. Interior of Top Compartments White Enameled. Drop Roll Curtain. Glass Jar equipment consisting of Swinging Sugar Bin with Metal Cap and Cut-off, one Coffee, one Tea and five Spice Jars. Lowering White Enameled Metal Sifter Flour Bin. Full Sliding Top of White Porcelain. Special Bracket and Block for Food Grinder. Sliding Banded Bread Board. Metal Bread and Cake Drawer with Sliding Metal Lid. Base Cupboard is equipped with Sliding Metal Shelf and Pan Racks. Drawers are finished inside. BASE has complete 3-ply bottom with substantial framework underneath. Ant-proof Casters. Dust-proof Lip Construction on all Doors and Drawers.

Height 70 in., Width 36 in., Depth 26 in., W't each 210 lbs.

No. F8E-187E—All White Enameled★ .....each $72.00

★ Items Marked Thus ★ Are Shipped From Factory Only.

KITCHEN CABINETS

MADE OF WOOD

No. F9E-19E.

High grade Refrigerator Style Nickel Hardware. Interior of Top Compartments White Enameled. Drop Roll Curtain. Glass Jar Equipment consisting of Swinging Sugar Bin with Metal Cap and Cut-off, one Coffee, one Tea and five Spice Jars. Large Size Lowering White Enameled Metal Sifter Flour Bin with glass covered clear view opening. Metal Pastry Cooler. Full Sliding Top of White Porcelian. Special Bracket and Block for Food Grinder. Sliding Banded Bread Board. Metal Bread and Cake Drawer with Sliding Metal Lid. Base cupboard is equipped with Sanitary White Enameled Metal Tray, Sliding Metal Shelf and Pan Racks. Drawers are finished inside. Ant-proof Casters. Dust-proof Lip Construction on all Doors and Drawers.

Height 73 in., Width 56 in., Depth 28 in., W't each 330 lbs.

No. F9E-19E—All White Enameled★ ....each $120.00
No. F9-19—Golden Oak Finish★ .....each 112.00

Nickel Hardware. Interior of Top Compartments White Enameled. Drop Roll Curtain. Glass Jar equipment consisting of Swinging Sugar Bin with Metal Cap and Cut-off, one Coffee, one Tea and five Spice Jars. Large Size Tilting Metal Sifter Flour Bin. Full Sliding Top of White Porcelain. Special Bracket and Block for Food Grinder. Sliding Banded Bread Board. Sanitary Wood Bread and Cake Drawer with Sliding Metal Lid. Base Cupboard is equipped with Sliding Metal Shelf and Pan Rack. Dust-proof Lip Construction on all Doors and Drawers.

Height 70 in., Width 40 in., Depth 26 in., w't 200 lbs.

No. F29E-11E—All White Enameled★ ....each $88.00
No. F29-11—Golden Oak Finish★ .....each 62.00

MADE OF STEEL, ENAMELED WHITE

A structural steel frame far superior to sheet steel.

Strongly built, every joint is welded with oxy-acetylene gas, body is die pressed and electrically welded to the frame.

They will never sag or vibrate, each coat of enamel is baked on.

The doors and drawers work on the structural frame.

Dimensions—The table is 33 in. high, 28 in. deep and 40½ in. wide. It is a full extension top and may be removed at will. The upper cabinet is 36 in. high, 12 in. deep and 40 in. wide. The total height is 69 in.

Coffee, Tea and Five Spice Jars of crystal glass, with screw caps and a measuring cup, are included.

Finish—White enamel thruout. W't 300 lbs. each.

No. F2—Porcelain Table Top★ .....each $84.00
No. F2N—Nickeloid Table Top★ .....each 80 00

★ Items Marked Thus ★ Are Shipped From Factory Only.

STEEL STOOLS

Structural Steel Frame, W't 20 lbs.

No. F18—Height 18 in.★ ..... each **$3.00**

No. F24—Height 24 in.★ ..... each **$3.50**

ONE IN A CRATE

WOOD KITCHEN TABLES

Nos. F105 and F110.

Snow white enamel finish, Albairon white percelain top, lip drawers, finished inside with varnish, nickeled trimmings, tapered legs from 2¼ in. square stock, equipped with domes of silence. Shipped K. D., two in a crate.

No. F105—27x48 in. top, one drawer 4x20 in., average w't 90 lbs. each★ $21.80

No. F110—27x56 in. top, two drawers each 4x16 in., average w't about 105 lbs. each★ $28.00

STEEL KITCHEN CABINETS

Nickeled trimmings, has two extra deep drawers for bread and flour, height 30 in., width 40 in., depth 25 in., w't each about 100 lbs.

No. F31TP—Golden oak cabinet table, **polished metal top**★ .....each $33 00

No. F31TA—Golden oak cabinet table, **porcelain top,** each★ $38.00

No. F31TEP—White enameled oak cabinet, **polished metal top**★ .....each $36.00

No. F31TEA—White enameled oak cabinet, **porcelain top**★ .....each **$41.00**

Nickeled Trimmings. Banded Bread Board. Two deep drawers are all Metal with Metal sliding lids. Divided cutlery drawer finished inside. Dust-proof Lip construction on drawers. Back is finished same as front and ends. Size of top 27x42 in., height 31 in., w't 125 lbs.

No. F32TE—White enameled, **porcelain top,** with stool, each★ $44.00

Hibbard
HARDWARE for HARD WEAR

Our Very Best is the Very Best.

★ **Items Marked Thus ★ Are Shipped From Factory Only.**

ICE TONGS

No. N4—Family, steel points, malleable grips, self-adjusting, opens 12 in., w't per doz. 16 lbs., per dozen $8.00

No. N6—Solid steel, malleable grips, self-adjusting, opens 16 in., w't per doz. 28 lbs. .....per dozen $12.00

CINCINNATI, pattern, chain, steel concave grips.

Especially adapted for family use.

No. N11—Cruso, 12 in. opening, w't per doz. 13 lbs., per dozen $6.00

LOOSE

CINCINNATI CHAIN, File Steel, Concave Grips.

Having the correct curve, these tongs will hold securely at any span. The rivet is extra large and made of steel. Very easy working, will stand hard usage and especially adapted for handling large quantities of ice.

Nos.	N12	N14
Opens, in.	12	14
W't, doz., lbs.	27	29
Per dozen	$12 80	13.20

ICE TONGS

No. N00—Solid steel forged, duck bill points, opens 12 in., w't per doz. 17 lbs. .....per dozen $20.00

HIBBARD

Solid steel, forged, swelled grips, duck bill points, painted red. Forged from one piece of steel, carefully sharpened and tempered.

These tongs are extra wide at the hinge and will stand very hard usage.

Nos.	N1	N2	N3
Opens, in.	15	17	24
W't, doz., lbs.	47	50	69
Per dozen	$36.00	38.40	42.00

Made heavy for hard use. Extensively used for handling wood logs in ice harvesting.

No. N24—Solid forged steel, double jointed self-adjusting, duck bill points, steel handles, wood grips, opens 24 in., w't per doz. 45 lbs., per dozen $22.00

ICE CUTTING MACHINES

CHANDLER'S Improved.

Small, compact, simple, strong and cheap, cuts the ice into small diamond-shaped pieces with ease and rapidity. Can be attached to table, counter or shelf; floor space 8 sq. in.

No. N1—Counter size, height 10 in., w't 7½ lbs. .....each $9.50

No. F2—Family size, height 15 in., w't 14 lbs.★ .....each $13.50

No. F2½—Hotel size, height 18 in., w't 25 lbs.★ .....each $21.60

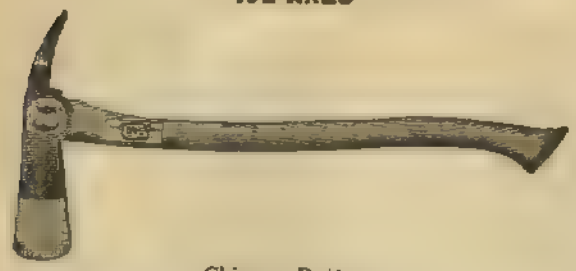
Our reputation founded on over sixty-seven years' business stands back of the HBS brand.

All goods branded HBS are guaranteed to be of highest quality material and workmanship and free from imperfections.

In selling HBS articles there is a profit for you and satisfaction to your customers.

★ Items Marked Thus ★ Are Shipped From Factory Only.

ICE AXES

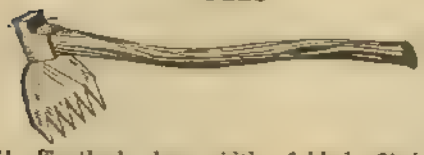


Chicago Pattern.

No. 144T CVB—Blades 2¾×6 in., size over all 12 in., forged from tool steel, enameled bright red with polished bit and pick, 26 in. hickory handle, w't per doz. 45 lbs., per dozen $34.70

HALF DOZEN IN A CRATE

ADZES



No. P471—Toothed edge, width of blade 6½ in., handled, w't 5 lbs. .....each $12.60

SUMMER BARS

No. P460—W't 17 lbs. .....each $16.20

SHAVERS

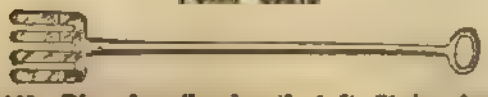
No. P649C—4 points, **ring pipe** handle, w't 4 lbs., each $5.40

No. P649E—5 points, **knob pipe** handle, w't 5½ lbs., each $6.30

No. P650—4 points, long handle, w't 4 lbs.....each $5.90

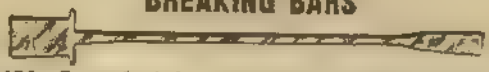
No. P652—4 points, D handle, w't 4½ lbs. .....each $5.90

FORK BARS



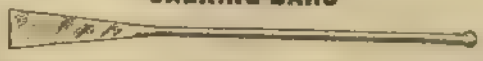
No. P449—**Ring handle,** length 4 ft. 7½ in., fork 8 in. wide, w't 16 lbs..... each $13.50

BREAKING BARS



No. P454—Length 4 ft. 8 in., pad 7½×4¾ in., chisel blade 2¾ in. wide, w't 16½ lbs.....each $12.60

CALKING BARS



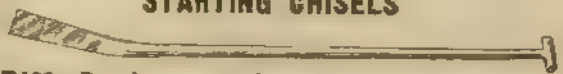
No. P457—**Hollow handle,** length 4 ft. 3 in., blade 14×1¼ in., diam. 1½ in., w't 8 lbs. .....each $7.20

No. P457½—**Wood handle,** length 4 ft. 3 in., blade 14×1¾ in., diam. 1½ in., w't 5 lbs. .....each $7.20

BAR OR PACKING CHISELS

No. P458—Steel handles, length 4 ft. 7 in., blade 12×4¾ in., w't 15½ lbs. .....each $10.80

STARTING CHISELS

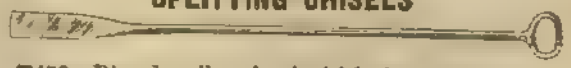


No. P466—**Omaha** pattern, length 4 ft. 7 in., blade 10×2¾ in., w't 14½ lbs. .....each $10.80

PATENT FLOOR SHAVERS

No. P470—5 teeth, length 4 ft. 10 in., blade 6 in. wide, w't 6 lbs. .....each $8.00

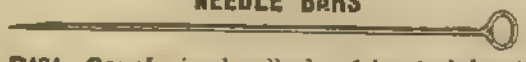
SPLITTING CHISELS



No. P476—Ring handle, **steeled blade,** length 4 ft. 6 in., blade, 10½×3 in., w't 14 lbs. .....each $8.00

No. P477—Ring handle, **all tool steel blade,** length 4 ft. 6 in., blade 10½ 3 in., w't 14 lbs.....each $9.00

NEEDLE BARS



No. P484—**Canal,** ring handle, bar 1 in. steel, length 4 ft. 10½ in., w't 11 lbs.....each $7.70

No. P484½—**Field,** ring handle, bar 1 in. steel, length 4 ft. 10½ in., w't 15 lbs.....each $8.50

ICING HOOKS

These hooks are also furnished with pipe handle.

No. P524½—Wood handle, length over all 5 ft., w't per doz. 63 lbs. .....per dozen $108.00

No. P524¾—Wood handle, length over all 5½ ft., w't per doz. 67 lbs. .....per dozen $108.00

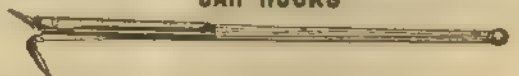
ICE HOOKS

Furnished in lengths from 3 to 18 feet inclusive.

No. P520-4½—Length 4½ ft., w't per doz. 37 lbs., per dozen $33.30

No. P520-5—Length 5 ft., w't per doz. 40 lbs., per dozen $34.70

CAR HOOKS



No. P522—Length 4 ft., w't per doz. 45 lbs., per dozen $41.00

No. P523—Length 4½ ft., w't per doz. 48 lbs., per dozen $42.00

ICE PLOWS

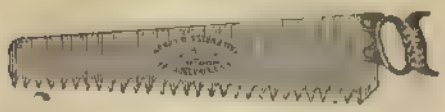
DAIRYMEN'S "ICE KING" PLOW—Five solid steel teeth, not polished but left blue non-adjustable 22 inch swing guide and clearing tooth, w't with case 115 lbs.

No. P315— 8 in. .....each $81.00
No. P316—10 in .....each $90.00
No. P317—12 in. .....each $99.00

Five solid steel teeth, not polished but left blue, with adjustable swing guide and clearing tooth, w't with case 120 lbs.

No. P320— 8 in,. 14 to 22 in. swing guide....each $90.00
No. P321—10 in., 14 to 22 in. swing guide....each $98.00
No. P322—12 in., swing guide, made to order only, each $108.00

ICE SAWS
WAGON



DISSTON'S, wagon, cast steel, polished, japanned iron handle.

No. 73—Inches	26	28	30
W't per doz., lbs.	42	47	55
Each	$3 80	3.90	4.00

SIXTH DOZEN IN A BOX

Cast steel blade, polished malleable iron handle.

No. 175—Inches	26	28	30
W't per doz., lbs.	40	45	52
Each	$2.90	3.00	3 10

SIXTH DOZEN IN A BOX

PORT

DISSTON'S, cast steel, polished, set and sharpened, 10 gauge, tapered from 7 to 5 inches, with handle.

Nos.	E404	E404½	E405
Feet	4	4½	5
W't, lbs.	10	12	11
Each	$7 50	8.50	9.40

LOOSE

TONGS

Boston.

Eastern Edging-up.

No. P540—16½—Boston, solid, drop forged, steel swell handles and bows, best tool steel, wide, thin points, 16½ in., w't per doz. 46 lbs.....per dozen $45.00
No. P540—24—Boston, 24 in., w't per doz. 62 lbs., otherwise same as No. 540P—16½ in.....per dozen $52.20
No. P561½—Eastern Edging-up, hollow handles, 26 in., painted red, w't per doz. 48 lbs.....per dozen $56.00

Boston.

Cincinnati Chain.

Patent Link.

No. P540—13 in., Boston, solid, drop forged, steel swell handles and bows, best tool steel, wide, thin points, w't per doz. 34 lbs. .....per dozen $43.20
No. P540—14½ in., w't per doz. 39 lbs., otherwise same as No. 540P—13 in. .....per dozen $44.00
No. P550—10 in., Cincinnati Chain, thin points, color black, w't per doz. 20 lbs.....per dozen $27.00
No. P550—12 in., w't per doz. 21 lbs., otherwise same as No. 550P—10 in. .....per dozen $27.00
No. P550—15 in., w't per doz. 24 lbs., otherwise same as No. 550P—10 in. .....per dozen $28.80
No. P551—10 in., Patent Link, thin points, w't per doz. 28 lbs. .....per dozen $27.00
No. P551—12 in., w't per doz. 28 lbs., otherwise same as No. 551P—12 in. .....per dozen $27.00
No. P551—15 in., w't per doz. 30 lbs., otherwise same as No. 551P—10 in. .....per dozen $28.80

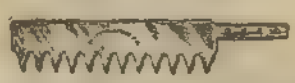
Lowering.

Utah Edging-up.

Car.

No. P570—Lowering, Single point, color red, point ⅝ in. wide, 24 in. span, w't per doz. 66 lbs .....each $8 00
No. P571—Lowering 17 in. span, otherwise same as No. 570P .....each $8 00
No. P563—Utah, Edging-up, 19 in., hollow handles, otherwise same as No. 562P .....per dozen $57.60
No. P544—10 in., Car, made of best tool steel throughout, hollow handle, w't per doz. 3½ lbs..per dozen $50 40
No. P544—12 in., Car, otherwise same as No. 544P—10 in., per dozen $52.20

CLEAVERS



No. P648—Cleaver, 12 teeth, length of blade 20 in., end of blade sharpened for scraping, w't pr doz. 36 lbs., each $8.00

ICE PICKS

No. 15 HIBBARD—For expert Icemen's use, tempered steel, nickel plated, 5 in. taper needle point, length of pick 6 in., length overall 9⅜ in., hardwood handle, w't per doz. 2 lbs. .....per dozen $3.00

ONE DOZEN IN A BOX

No. 16 HIBBARD—For Icemen's use, tempered steel nickel plated, extra long, length of pick 6 in., 2½ in. taper needle point, length overall 10½ in., hardwood handle, w't per doz. 2 lbs. .....per dozen $2.40

ONE DOZEN IN A BOX

No. 11 HIBBARD—For household, saloon or soda fountain use. Tempered steel, nickel plated, 2½ in. taper needle point, **black** hardwood handle, length of pick 6 in., length overall 9⅜ in., w't per doz. 2⅛ lbs., per dozen $3.00

ONE DOZEN IN A BOX

No. 12 HIBBARD—For general use, tempered steel, nickle plated, 2⅛ in. taper point, hardwood handle, length of pick 6 in., length overall 9⅜ in. w't per doz. 1⅞ lbs., per dozen $2 30

ONE DOZEN IN A BOX

HIBBARD tempered steel nickel plated needle point, finely drawn, hardwood file handle.

Though plain in appearance, this is an extra fine pick, and is intended for expert icemen's use. The sharpness and high temper of point makes this pick the icemen's pet.

Nos.	6	4½
Point, in.	6	4½
Taper, in.	3	3
Overall, in.	10⅛	9
W't, doz., lbs.	1½	1⅛
Per dozen	$2 30	2.20

ONE DOZEN IN A BOX

ICE PICKS

No. 6½ HIBBARD—Tempered steel, finely drawn point 6 in., 2½ in. taper, large flat sided maple handle, length 10½ in., w't per doz. 2½ lbs., per dozen $2 30

ONE DOZEN IN A BOX

No. 2—Tempered tool steel, nickel plated 2½ in. evenly tapered needle point imitation cocobola handle, length of pick 5 in., length overall 8½ in., w't per doz. 1½ lbs., per dozen $2.10

ONE DOZEN IN A BOX

No. 80—Tempered tool steel, nickel plated needle point 6 in. tapered, 2½ in. hardwood handle, heavy tinned cap, length 8½ in., w't per doz. 9 lbs. .....per dozen $3.20

ONE DOZEN IN A BOX

HURWOOD, 5½ in. polished tempered steel needle point running through handle riveted and headed. Length 9⅜ in., ebonized handle, polished steel ferrule.

No. 7—Diam. handle 1½ in., w't per doz. 1½ lbs. .....per dozen $7.80

No. 70—Diam. handle 1½ in., w't per doz. 2½ lbs. .....per dozen $8.60

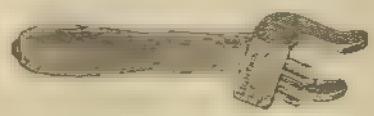
No. 700—Diam. handle 1½ in., ⅝ in. nickel plated octagon steel ring forced and riveted on handle, w't per doz. 2½ lbs. ....per dozen $13.50

ONE DOZEN IN A BOX

ICE CHIPPERS

No. 44—Six finely drawn ice pick needle points driven into solid tinned malleable iron head, hardwood handle, length 9½ in., width 2⅜ in., w't per doz. 4⅜ lbs., per dozen $6 80

ONE IN A CARTON
TWELVE CARTONS IN A BOX



No. 86—Tinned cast head, four tool steel teeth, sharpened and tempered, hardwood handle, held to head by large bolt, which runs through handle, length 10 in., width 2¼ in., w't per doz. 17 lbs. ...per dozen $14.40

LOOSE

ICE SHAVES

No. 3—White nickel finished iron, adjustable tool steel knife which is removable for sharpening length 6¼ in., w't per doz. 23 lbs., per dozen $7.50

THREE DOZEN IN A BOX

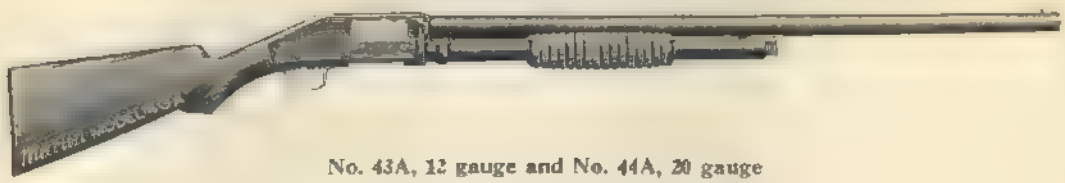
Carry a line of goods upon which you can rely.

The dealer who carries H. S. B. & Co. Brands marks his store as a place where the better goods are sold.

A house with over sixty-seven years' experience stands back of our brands.

ALBANY HARDWARE & IRON CO.

MARLIN REPEATING SHOTGUNS



No. 43A, 12 gauge and No. 44A, 20 gauge

Special Marlin steel barrel, matted top. Black walnut pistol grip butt stock and action slide handle, hard rubber butt plate.

Solid breech, hammerless, take down. Trigger and hammer safety conveniently located. Automatic recoil safety hang-fire device, for protection against defective ammunition.

No.	Stocks		Specifications of Barrels			
43A	Length,	13½ in.	Lengths,	30, 32 inches	28 inch	28 inch
	Drop at heel,	2½ in.	Bores,	full choke	modified choke	cylinder bore
	Drop at comb,	1⅝ in.				
44A	Length,	13½ in.	Lengths,	25, 28 inches	25 inch	25 inch
	Drop at heel,	2⅛ in.	Bores,	full choke	modified choke	cylinder bore
	Drop at comb,	1⅛ in.				

No.	Gauge	For Shells	Shots	Packed	Weight	Each
43A	12	2¾ and 2⅝ in.	6	1	8 lbs.	$49.80
44A	20	2¾ to 2½ in.	5	1	5⅞ lbs.	49.80

HAMMERLESS DOUBLE BARREL SHOTGUNS

ITHACA

No. 1

Barrels—Fluid steel, carefully made.

Stock and Forend—Black walnut, finished in oil, hand checkered, full pistol grip.

Engraving—Leaf design on frame, trigger plate and top lever.

Field

Barrels—Smokeless powder steel, tested

Stock and Forend—Black walnut finished in oil, capped and checkered full pistol grip

Mechanical construction of locks is the same as in higher grade Ithaca guns.

Grade	Gauge	Barrel Lengths	Weights	Without Ejector	With Ejector
No. 1	12	26 to 32 in.	6½ to 7¾ lbs.	$47.50	65.00
No. 1	16	26 to 30 in.	6¼ to 6½ lbs.	47.50	65.00
No. 1	20	26 or 28 in.	6 to 6¼ lbs.	47.50	65.00
Field	12	26 to 32 in.	6½ to 7¾ lbs.	37.50	55.00
Field	16	26 to 30 in.	6¼ to 6½ lbs.	37.50	55.00
Field	20	26 or 28 in.	6 to 6¼ lbs.	37.50	55.00

REMINGTON AUTOLOADING SHOTGUN

No. 11A. Standard Grade

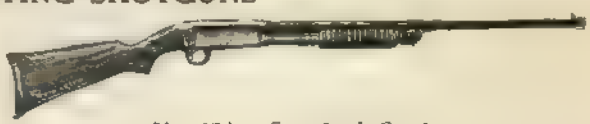
12 gauge only. Solid breech. Hammerless. Take down. Remington steel barrel, top of receiver matted American walnut stock and fore end, half pistol grip stock. Four shells in magazine, one in chamber.

STANDARD SPECIFICATIONS				OPTIONAL SPECIFICATIONS	
Stocks		Barrels		Barrels	
Length,	14 in.	Length,	28 inches	Lengths,	26 and 30 inches
Drop at heel,	2½ in.	Bores,	Cylinder, Mod., or Full Choke	Bores,	Cylinder, Mod., or Full Choke
Drop at comb,	1⅝ in.				

No. 11A. Gauge, 12 only. Packed, 1. Weight, 8 lbs. ..... each **$56.75**

REMINGTON REPEATING SHOTGUNS

No. 10A. Standard Grade



No. 17A. Standard Grade

Solid breech. Hammerless. Take down. Remington steel barrel, top of receiver matted. American walnut stock and fore end, half pistol grip stock

Safety locks: On No. 10A in front part of trigger guard. On No. 17A a button, in rear part of trigger guard Both absolutely dependable and indicative

Model	STANDARD SPECIFICATIONS Stocks		Barrels		OPTIONAL SPECIFICATIONS Barrels	
No. 10A	Length,	13¾ in.	Length,	30 inches	Lengths,	26, 28 or 32 inches
	Drop at heel,	2¼ in.	Bores,	Cylinder, Mod., or Full Choke	Bores,	Cylinder, Mod., or Full Choke
	Drop at comb,	1⅝ in.				
No. 17A	Length,	13¾ in.	Length,	28 inches	Lengths,	26, 30 or 32 inches
	Drop at heel	2¼ in.	Bores,	Cylinder, Mod., or Full Choke	Bores,	Cylinder, Mod., or Full Choke
	Drop at comb,	1⅝ in.				

Any deviations in dimensions of stocks on above shotguns require 5 to 8 weeks and carry additional cost

Model	Gauge	Mag. Capacity	Packed	Weight	Each
10A	12 ga.	5 shells	1	7½ lbs.	**$46.95**
17A	20 ga.	4 shells	1	5¾ lbs.	**46.95**

SAVAGE REPEATING SHOTGUNS

Model 21A

STEVENS REPEATING SHOTGUNS

No. 620

Solid breeches. Hammerless. Take down. Special steel barrels Walnut stocks with pistol grips, walnut slide handles Visible safety locks

Model	STANDARD SPECIFICATIONS Stocks		Barrels		OPTIONAL SPECIFICATIONS Barrels	
No. 21A	Length,	14 in.	Length,	28 inches	Lengths,	26, 30 or 32 inches
	Drop at heel,	2¾ in.	Bore,	Mod., choke	Bores,	Cylinder, Mod., or Full Choke
	Drop at comb,	1⅝ in				
Model	Length,	13¾ in.	Length,	28 inches	Lengths,	26, 30 or 32 inches
No. 620	Drop at heel,	2¾ in.	Bore,	Mod., choke	Bores,	Cylinder, Mod. or Full Choke
	Drop at comb,	1⅝ in				

Model	Gauge	Magazine Capacity	Packed	Weight	Each
21A	12	5, 2¾ in., 6, 2⅝ in. shells	1	7½ lbs.	**$51.00**
620	12	5 shells	1	7¼ lbs.	**41.50**

HAMMERLESS DOUBLE BARREL SHOTGUNS

STEVENS

No. 330

Barrels.—High pressure compressed steel, blued, with matted rib

Stock Selected black walnut, checkered. Full pistol grip, capped. Rubber butt plate.

Forend.—Black walnut, checkered

No.	Gauge	Barrel Lengths	Choke of Barrels Left	Right
330	12	28 to 32 in.	Full	Mod.
330	16	28 or 30 in.	Full	Mod.
330	20	26 or 28 in.	Full	Mod.
330	.410	26 in.	Full	Full
315	12	28 to 32 in.	Full	Mod
315	16	28 or 30 in.	Full	Mod.
315	20	26 or 28 in.	Full	Mod.

RIVERSIDE

No. 315

Barrels.—Blued, matted rib. Tested for nitro powder.

Stock.—Walnut, pistol grip, checkered, rubber butt plate

Forend Checkered walnut.

Stocks—Drop	Length	Weight	Each
3 in.	14 in.	7½ to 7¾ lbs.	**$26.50**
3 in.	14 in.	7¼ to 7½ lbs.	**26.50**
3 in.	14 in.	6¼ to 6¾ lbs.	**26.50**
3 in.	14 in.	5¾ to 6¼ lbs.	**26.50**
3 in.	14 in.	7½ to 8 lbs.	**24.00**
3 in.	14 in.	7¼ to 7½ lbs.	**24.00**
3 in.	14 in.	6¼ to 7 lbs.	**24.00**

LEFEVER

Nitro Special

Barrels.—Blued, proof tested

Stock—Finely finished walnut with checkered pistol grip.

Name	Gauge	Barrel Lengths	Choke of Barrels Left	Right
Nitro Spec.	12	26 to 30 in.	Full or Mod.	Mod. or Cyl.
Nitro Spec.	16	26 or 28 in.		
Nitro Spec.	20	26 or 28 in.		

Name	Ga.	Stocks—Drop	Length	Weight	Each
Nitro Spec.	12	2⅜ in.	14 in.	7¼ to 7½ lbs.	**$28.25**
Nitro Spec.	16	2⅜ in.	14 in.	6¾ lbs.	**28.25**
Nitro Spec.	20	2⅜ in.	14 in.	6¼ lbs.	**28.25**

AUTO AND BURGLAR GUN

Ithaca

Walnut, checkered pistol grip stock and forend. Shoots finest shot, buck or ball.

Gauge	Length Barrels	Boring	Weight	Each
20	10 in.	Cylinder	4¼ lbs.	**$37.50**

HOLSTER

For auto and burglar gun. Made of sole leather, may be attached to belt or hung in the auto.

Packed, 1, weight, 1 lb..... .....each, **$4.00**

ALBANY HARDWARE & IRON CO.

SINGLE BARREL SHOT GUNS

IVER JOHNSON

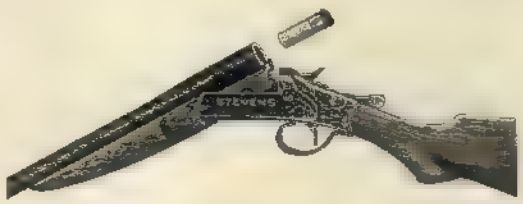
Champion

Barrel.—Hammer forged, high carbon steel, full choke bore. Stock—Selected black walnut oil finished, with pistol grip and hard rubber butt plate. Walnut, trap style forend.

No.	Gauge	Length of Barrels	Weights	With Extractor	With Ejector
312	12	28 to 32 in. (30 in. reg.)	about 6½ lbs	$10.00	10.65
316	16	28 to 32 in. (30 in. reg.)	about 5¾ lbs	10.00	10.65
320	20	28 or 30 in. (28 in. reg.)	about 5¾ lbs	10.00	10.65
328	28	26 or 28 in. (28 in. reg.)	about 5½ lbs.	10.00	10.65
341	.410	26 or 28 in. (26 in. reg.)	about 5¾ lbs.	10.00	10.65

STEVENS

No. 105
Plain Extractor



No. 107
Automatic Ejector

Barrels.—Compressed forged steel, full choked, bored for nitro powder. Stocks.—Walnut, full pistol grips, rubber butt plates. Forend.—Snap attachment, wide extension.

Gauge	Barrel Lengths	Stock Lengths	Weight	No. 105, Each	No. 107 Each
12	28 to 32 in.	14 in.	6 lbs.	$10.00	10.50
16	28 to 32 in.	14 in.	6 lbs.	10.00	10.50
20	26 to 32 in.	14 in.	6 lbs.	10.00	10.50
28	26 to 30 in.	14 in.	6 lbs.	10.00	10.50
.410	26 in.	14 in.	6 lbs.	10.00	10.50

RIVERSIDE

No. 90
Plain Extractor

No. 95
Automatic Ejector

Barrels.—Special steel, full choked, bored for nitro powder. Stocks.—Walnut, full pistol grips, rubber butt plates, wide extension forend.

Gauge	Barrel Lengths	Stock Lengths	Weights	No. 90, Each	No. 95, Each
12	28 to 32 in.	14 in.	6 lbs.	$9.50	10.00
16	28 to 32 in.	14 in.	6 lbs.	9.50	10.00
20	26 to 30 in.	14 in.	6 lbs.	9.50	10.00
.410	26 in.	14 in.	6 lbs.	9.50	10.00

MOSSBERG WRENCH AND SOCKET SETS

WRENCH SET

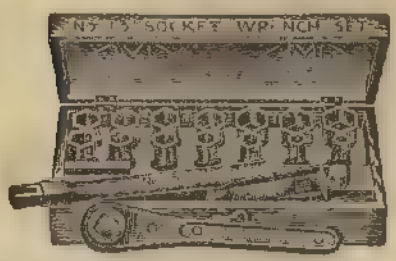
This set is the most complete wrench set ever offered the public. It has handles for every kind of a different approach, and to fit all square or hexagon nuts that will be found on a car. A necessity to every garage or machine shop.

Set consists of—
1 only MossbergRatchet Socket Handle No. 350.
1 only Mossberg No. 330 "T" Handle.
1 only Mossberg No. 320 Offset Socket Wrench Handle.
1 only Extension Bar No. 351, 10 in. long.
1 only Sterling No. 100 finest Nickeled Pliers.
1 only S. A. E. Double-End Wrench Set, full finish, five wrenches, ten openings.
1 only Universal Joint.
8 only Special Spark Plug Sockets sizes $^{29}/_{32}$ in., $^{31}/_{32}$ in., and $1^{5}/_{32}$ in.
1 only Double-End Offset Screw Driver.
1 only Cotter Pin Extractor No. 1, molted.
23 sizes thoroughly hardened and Parker Rust Proof Hexagon Sockets.
11 sizes thoroughly hardened and Parker Rust Proof Square Sockets.

No. 6507—14—Set complete, w't 18 lbs., per set $18.00

ONE SET IN A WOODEN BOX

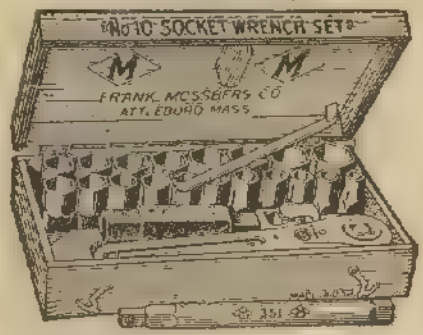
SOCKET SET



No. 6513—13—Wrench set consists of the following—
1—Ratchet Socket Wrench Handle
1—Extension Bar.
1—Special Spark Plug Wrench.
15—Hexagonal Pressed Steel Sockets
Weight complete 5 lbs. ..... per set $6.40

PACKED IN A STRONG WOODEN BOX WITH A DEFINITE PLACE TO HOLD EACH PIECE

SOCKET SETS



TRACTOR, AUTOBOAT, AEROPLANE AND AUTOMOBILE SET

An efficient owner's set, for use in gas engine repair and garage equipment.

This set is rated at five "man power" in point of helpful service.

Set consists of—
1 only Mossberg Ratchet Handle No. 350.
1 only Extension Bar 9½ in. long, No. 351.
1 only Universal Joint No. 336.
1 only Double-End Offset Screw Driver.
21 only rust-proof, properly hardened, Hexagon, Pressed Steel Sockets.
2 only special Hexagon Spark Plug Sockets.
No. 402, 4 in. long, $^{29}/_{32}$ in. opening.
No. 422, 4 in. long, $1^{5}/_{32}$ in. opening.
Fitting Standard Spark Plugs.

No. 6514—10—Set complete, w't 10 lsb. ..... each $9.90

ONE SET IN A FINELY CONSTRUCTED BOX

This set is designed primarily for the autoist who makes his own adjustments and repairs, also for gas engine repair, garages, millwrights, blacksmiths. A complete and useful set.

Set consists of—

1 No. 6531—350—10 in. Reversible Ratchet Handle
1 No. 6521—351—9½ in. Extension Bar
1 No. 6520—336—Universal Joint
1 —101—Double End Offset Screw Driver
1 Each of the following sizes of No. 6478 Hexagon Sockets—$^{15}/_{32}$, $^{1}/_{2}$, $^{17}/_{32}$, $^{19}/_{32}$, $^{5}/_{8}$, $^{21}/_{32}$, $^{11}/_{16}$, $^{23}/_{32}$, $^{25}/_{32}$, $^{13}/_{16}$, $^{27}/_{32}$, $^{7}/_{8}$, $^{29}/_{32}$, $^{31}/_{32}$, 1, $1^{1}/_{32}$, $1^{3}/_{32}$, $1^{5}/_{32}$, $1^{9}/_{32}$ in.
1 Each of the following sizes of No. 6478 Square Sockets—$^{15}/_{32}$, $^{17}/_{32}$, $^{19}/_{32}$, $^{21}/_{32}$, $^{25}/_{32}$, $1^{1}/_{32}$, $1^{5}/_{32}$ in.

No. 6511—9—Steel wrenches and parts, packed in chestnut box, cabinet finish, 12x7x3 in., w't per set 8½ lbs., per set $9.90

ONE SET IN A BOX

MOSSBERG SOCKET WRENCH SETS

COMBINATION SOCKET WRENCH SETS

This is an extremely simple and practical form of folding [illegible]h.

No. 6501—6—Assortment contains 7 sockets, fitting standard size nuts, and special spark plug wrench in wooden case, w't per set 2¼ lbs. .....per set $3.60

No. 6505—7—Assortment consists of 14 sizes of pressed steel sockets, 1 offset socket wrench handle and 1 T wrench handle, socket fits oll Standard and A. L. A. M. Cap screws and nuts, 1 29/32 in. spark plug wrench, w't per set 4¾ lbs .....per set $5.40

MOSSBERG SOCKET CHEST

To enable the dealer to increase his business on socket wrenches, Mossberg Company has carefully arranged this chest of drawers to be offered free as long as he shall utilize it to sell Mossberg Wrenches.

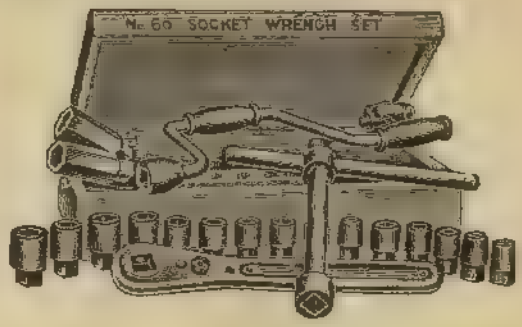
Chest is a beautifully finished store fixture made of selected chestnut and is 14¾ in. high, 21 in. wide, 12 in. deep, with eight drawers.

Assortment consists of—

300—Regular Guaranteed Mossberg Pressed Steel Sockets, rust proof, assorted sizes
21—Pressed Steel Spark Plug Socket Wrenches assorted
4—No. 350 Reverse Ratchet Socket Handles
4—No. 355 Ratchet Handles
4—No. 322 Double-End Offset and Vertical Handles
4—No 340 Take-down T Handles
4—No. 336 Universal Joints.
4—No. 351 Extension Tubes
5—Canvas Tool Rolls, circulars, etc.

No. T6519—300—Chest complete, w't 140 lbs., per chest $109.90

ONE CHEST IN A CRATE



This new Socket Wrench Set is the ultimate arrangement of wrenches for constant, every hour use for repairs, assembly, and the hardest work.

The guarantee that covers all MOSSBERG products naturally covers this series of "Ever-wear" sockets and units, but these tools are made to withstand the most unreasonable demands and are so warranted.

Set consists of the following:

1 Reversible Ratchet Handle No. 356, 12 inches long.

1 Adjustable "Tee" Handle and Extension Unit No. 351, inches high.

1 Brace Handle No. 354 with swivelgrip handles at top and throw, 14½ inches long.

1 Universal Joint No. 339.

2 Spark Plug Wrench Sockets. No. 402—29/32 inch, No. 422—1 5/32 inches.

15 "Ever-Wear" Socket (sizes and fittings in next column.)

No. 6510—60—Hardwood cabinet box, size 16x7½x3¾ in., w't per set 13½ lbs. .....each $16.20

ONE SET IN A BOX

GENERAL PURPOSE WRENCHES

No. 6509—1—General purpose, set consists of five best grade steel flat semi-finished double end wrenches in wooden box, wrenches fit standard nuts, w't per set ¾ lb. .....per set $1.30

MOSSBERG WRENCHES

FULL FINISH GARAGE SETS

ENGINEERS' END WRENCHES

Set of nine finished wrenches with eighteen openings to fit all U. S. standard bolt and S. A. E. cap screw, sizes from ¼ in. to ⅞ in. bolt or screw diameters. One opening of the wrench fits the bolt and the other opening of the same wrench fits the cap screw of same diameter.

Openings in.			Bolt or Screw, in.	L'gth, in.	Thickness in.
5/16	&	⅜	¼	4	5/32
⅜	&	7/16	¼	4½	7/32
1 3/32	&	½	5/16	4½	7/32
1 1/16	&	9/16	⅜	5½	7/32
1 5/32	&	⅝	7/16	6½	¼
½	&	⅝	½	8	¼
1 9/32	&	¾	9/16	8½	9/32
1 1/16	&	1 1/16	⅝	8½	9/32
1 ¼	&	1 1/16	¾	11	9/32

No. 6508—4—Set of 9 hardened steel wrenches, in wooden box with sliding cover, w't per set 6 lbs., per set $4.20

STANDARD TAPPET WRENCH SETS

Tappet rods on poppet valves should be adjusted every week.

Special wrenches are needed because the adjusting nut and check nuts are thin. For easy adjustment, the wrenches must meet the exacting conditions.

Special analysis steel to give strength to thin model wrenches.

Mottled surface finish, hardened, edges square, openings accurate.

Wrench No.	Opening Sizes Inches			Length Inches	Thickness Inches
224L	⅜	&	7/16	4	5/32
224LT	⅜	&	7/16	4	¼
240	½	&	⅝	5½	7/32
240T	½	&	⅝	5½	¼
244	9/16	&	1 1/16	5½	7/32
244T	9/16	&	1 1/16	5½	¼
268	1 1/16	&	¾	8	¼

No. 6506—200—W't per set 1¾ lbs. .....per set $2.40

ONE IN A BOX

SOCKET WRENCH BOARD

This group of wrenches represents the three most frequent used sizes of sockets in the four types of handles.

72 wrenches—6 each of 12 numbers.

Construction—¼ inch Steel Bar. Sockets of heavy special steel, round shape for clearance.

Finish—Burnished nickel.

Cabinet Construction—Selected Chestnut 1 inch. Steel Hooks, nickeled.

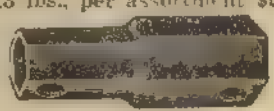
Finish—Natural grain with three coats of finish.

Size—20 inches wide by 30 inches high. Easel back.

Wrench No.	Socket Opening Size Hex. Inches	U.S. Standard Nuts and Bolt Heads. Bolt Size Inches	S.A.E. Standard Nuts and Screw Heads. Screw Size Inches	Hex. Head Cap Screws. Screw Size Inches
2133 2233	½	½	5/16	5/16
2333 2433 2137	5/16	.	⅜	⅜
2337 2437 2141 2241	⅜	.	7/16	7/16
2341 2441				

No. T2500—W't per ass't 113 lbs., per assortment $52.80

SPARK PLUG WRENCHES



Pressed steel, double end, removable handle, will not crack or spread when in use. For ⅜ and ⅞ in. plugs, length 4 in.

No. 6473—453—Openings 29-32 and 31-32 in., w't per doz. 7½ lbs. $6.96

No. 6474—455—Openings 29-32 and 1 1-32 in., w't per doz. 7½ lbs. $6.96

Wrench to fit spark plugs on Ford cars. Satin-nickel finish. Duplicate of Ford No. 2335.

No. 6475—635—Length 10 in., w't per doz. 6 lbs., dozen $13.60

HALF DOZEN IN A CARTON

SHOP WRENCHES

Solid steel, jaws case hardened, black finished.

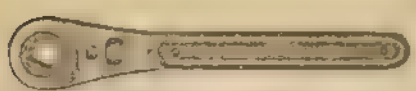
Nos.	6479	6480	6481
Length, in.	7	9	10
Maximum opening, in.	1⅛	1⅜	2⅛
W't, each	9 oz.	14 oz.	1¼ lb.
Each	$0.70	1.50	1.80

REPLACEMENT PARTS

No. 6520—336—Universal joint, to allow of actually "turning around a corner." Used in connection with extension socket No. 6523 and then with long or short extension bar, with other sockets, w't each 6¾ oz., each $0.70

SOCKET WRENCH HANDLES

No. 6530—355—Lever Type, satin-nickel finish, 8 in. long, fits our No. 6478 sockets, wt each ½ lb., each $1.30



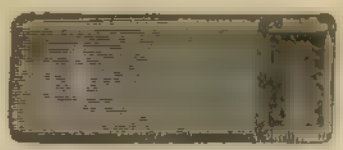
No. 6531—350—Lever Type, nickel finished steel, reversible ratchet, 10 in. long, fits our No. 6478 sockets, w't each 1 lb. .....each $2.70

No. 6476—358—Ratchet Brace Type, 12½ in. long, 5 in. throw, fits all sockets of our wrench sets, w't each 1 lb. .....each $4.50

LOOSE

REPLACEMENT PARTS

No. 6521—351—Long extension bar to be used in connection with extension socket No. 6523 and other regular sockets, length 9½ in., w't each 9½ oz., each .....$0.[illegible]



No. 6523—167—Square pressed steel socket, 1 7/32 in., to be used as connection for short extension bar, universal joint No. 6520, and long extension bar No. 6521, w't each 1½ oz. .....each $0 25

LOOSE

T HANDLE WRENCHES

This wrench is made to be used in connection with Mossberg sockets on machinery in which the bolts, nuts or set screws are placed in otherwise inaccessible positions. Fits all socket wrench sets and parts. Sockets are held by ball friction, handle is firmly riveted on an extension bar, and is ideal for a continual service wrench. Made of steel, black finish, and properly hardened, and is thoroughly dependable. Length 10 in.

No. 5091—340—W't each 1 lb., each $0.80

LOOSE

SOCKETS FOR MOSSBERG WRENCH SETS

Extra sockets, for sets Nos. 6501, 6505, 6507, 6513, 6514, 6517, and handle No. 6477, pressed steel, mottled case hardened, shank end made with standard hole, so that all sockets interchangeably fit all our Socket Wrenches, sockets come in the following sizes:

HEXAGON

Factory No.	Size, in.	Factory No.	Size, in.
110	5/16	123	23/32
111	11/32	124	¾
112	⅜	125	25/32
113	13/32	126	13/16
114	7/16	127	27/32
115	15/32	128	⅞
116	½	129	29/32
117	17/32	131	31/32
118	9/16	132	1
119	19/32	133	1 1/32
120	⅝	135	1 3/32
121	21/32	137	1 5/32
122	11/16	141	1 3/32

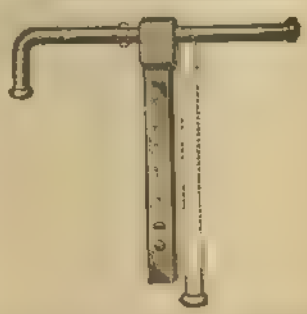
SQUARE

Factory No.	Size, in.
163	15/32
167	17/32
171	21/32

No. 6478—Per dozen $2.70

ONE DOZEN IN A BOX

T HANDLE WRENCHES



No auto kit should be without this necessity.

No. 6477—310—Adjustable T handle, fits any socket wrench sets or sockets described on this page, w't each ½ lb. .....each $0.95

LOOSE

WASHING MACHINES

★NORLEIGH DIAMOND

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE.

WATER POWER

The Motor, which is Very Simple, is the Most Powerful Made for this Purpose; [illegible] Motor Including the Fan and All Waterways is a Solid Bronze Casting without Joints and Needing no Packing [illegible] Packing is the Usual Source of Trouble in other Motors; the Action of the Valve is Automatic; Cylinder Head Screws in Absolutely Tight, the Piston Rod is of Solid Brass; a Double Flanged Gear Cap Entirely Covers the Gears, Preventing Accidents; Extra Heavy Cast Bronze Hose Connections; Broad Cast Iron Motor Base of Our Own Design Gives Added Security to Fastening.

The Tub is Made of Waterproof Long Grained Cypress Wood, Malachite Green Finish, Varnished; the Inside is Corrugated, Around Sides and Bottom Giving a Perfect Rubbing Surface to Metal and Little Weight Little Effort is Required to Lift the Cover; the Extension Stave Legs are Strongly Braced and will Never Become Shaky.

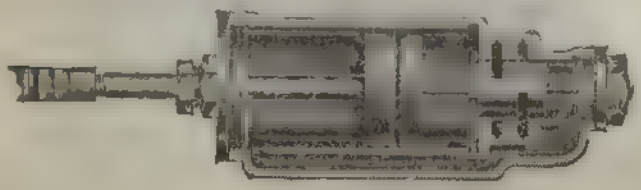
Each

No. 55—Inside Dimensions, Diameter at Bottom 23 inches, at Top 20 inches, Depth 12½ inches, Height to Top of Tub 29 inches, Height Over All 44½ inches; Length of Wringer Board 15½ inches; Tub Finished in Malachite Green, Varnished, Hoops, Hinges, Clasp, Etc., Gold Bronze; Motor Enameled in Red Enamel; Motor Frame, Black Enameled, Complete with Intake and Discharge Hose; Weight Each, 75 lbs. . . . **$32.00**

One in a Crate

WATER MOTORS

For No. 55 Norleigh Diamond Water Power Washing Machines



Each

No. ND55M—Consists of Motor, Shaft, Pin Wheel and Hose; All Ready to Attach to Tub..... **$23.00**

One in a Box

Norleigh Diamond Washing Machines are Sold Only to the Best Retail Trade, Insuring the Merchant Against Unfair Competition.

WASHING MACHINES

★NORLEIGH DIAMOND

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE.

BALL BEARING—HIGH SPEED

Details of Tub Construction

Tub—Tub Made of Best Quality Selected Southern Cypress. Inside Corrugations. Cypress will Last Longer and Give Better Satisfaction in a Washing Machine than Any Other Wood. The Tub is Finished Nicely in Natural Wood Finish with a Good Quality of Varnish and is Very Strong in Construction, the Stave Legs Being Well Braced to Prevent Leakage.

All Gears are Underneath the Tub where they are Entirely Out of the Way; no Danger of Catching or Tearing Clothing.

On account of the Special Ball Bearing, Together with the Double Lever and Walking Beam Construction, this Washing Machine Actually Does Run Easier when Loaded Than Any Other High Speed Washer.

Note—This Machine can be Operated Either in a Sitting or Standing Position. Operating Handle is Provided at Lower End with a Metal Stirrup so that Both Hand and Foot Power May be Applied.

Mechanical Principle—The Novel Mechanical Principal of Construction, that is the Double Lever with Walking Beam Connection, not only Equalize the Power, but give Greater Speed to the Agitator than Any Other High Speed Washing Machine.

Ball Bearing—The Ball Bearing Used is Simple, Set up in Vaseline, so that it will not Need Oiling for Years and is Without Question the Easiest Running Bearing Used on a Washing Machine. It is Simple and Cannot Get Out of Order.

Balance Wheel—Extra Heavy; This Part of the Mechanism Actually Takes Off the Major Portion Muscle Power Required to Operate the Old Style, Low Speed Washer.

Castings—All Castings Made of Best Quality Steel, and Every Metal Part of the Machine is not Only Carefully Made and Extra Heavy and Strong but is Finished, Inside and Out, Electro Galvanized by a Sherardizing Process which Finish Does not Peel or Crack as Paint will Do and Effectually Prevents Rust.

Each

No. 22—Inside Dimensions—Diameter at Bottom 23 inches, at Top 20 inches; Depth 12¾ inches; Height to Top of Tub 28½ inches; Height Over All 44½ inches; Length of Wringer Board 15½ inches; Tub Made of Best Quality Cypress, Natural Finish and Varnished; Inside Corrugated, Giving a Perfect Rubbing Surface; All Metal Parts Electro Galvanized Finish, Legs Securely Bolted to Body and Strengthened by Heavy Cross Braces..... **$26.00**

One in a Crate; Weight Crated 100 lbs.

WASHING MACHINES

HORTON ELECTRIC

WITH NEW THREE-WAY WRINGER

The Motor is the Highest Grade [illegible] and Tested. Commutator Insulated Inside by Special Process to Avoid Sparking.

All Driving Gears are Machine Cut Instead of Cast. All Exposed Gears are Covered to Prevent Accident.

Equipped with a Special Two-roll Reversible Ball-bearing Wringer and has a Patented Device to Prevent Injury. A Simple Movement of Hand Swings Wringer from One Position to Another to Enable Wringing Between Tubs and Basket.

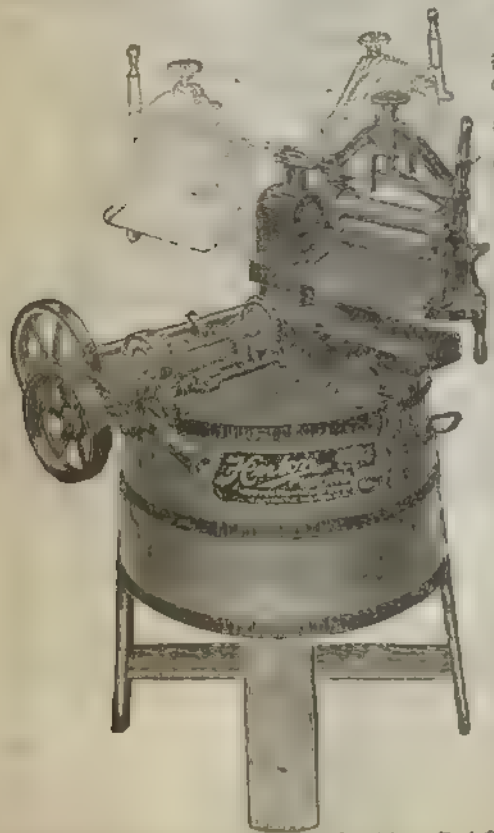
Was Specially Designed for Wayne Motor with Ample Power to Operate Washer and Wringer at the Same Time; Best Grade of Tannate Belt Used; Natural Finish with the Mechanism Gold Bronzed. Fly Wheel and Hoops Green Enameled. Machine is Equipped with Heavy Ball Bearing Casters, Making it Extremely Easy to Move About. Has Hardwood Dolly with Four Extra Large Pegs and Guarded Post to Prevent Tubs Cannot Tear; Brass Drain Faucet, Threaded and on Bottom of Tub. Operated by Hand in Case Temporary Tub is Used with Electricity Completely Set Up.

Each

No. 32—Electric, [illegible] Alternating Current, Weight 200 lbs **$120 00**

NOTE—If any Other Current or Voltage is Wanted, We can Furnish Promptly by Shipping Direct from Factory, Ft. Wayne, Ind., N. E. A. One in a Crate.

HORTON POWER



A Combined Washing and Wringing Machine

All Driving Gears are Cut Instead of Cast. All Exposed Gears are Covered to Prevent Accident.

No Tight or Loose Pulleys Required as the Pulley Wheel Stays in Position when Lid is Open.

By Having a **FLY WHEEL** on Hand, Which Interchanges with the Pulley Wheel, the Machine and Wringer can be Operated by Hand.

Equipped with a Special Two-roll Reversible Ball-bearing Wringer and has a Patented Device to Prevent Injury. A Simple Movement of the Hand Swings the Wringer from One Position to Another to Enable Wringing Between Tubs and Basket.

Hardwood Dolly with Four Extra Large Pegs and Guarded Post.

Brass Drain Faucet, Threaded and on Bottom of Tub: The Tub is Made of Louisiana Red Cypress, Natural Finish; Ball Bearing Wringer; Rolls, 13½x10 inches; Guaranteed Five Years.

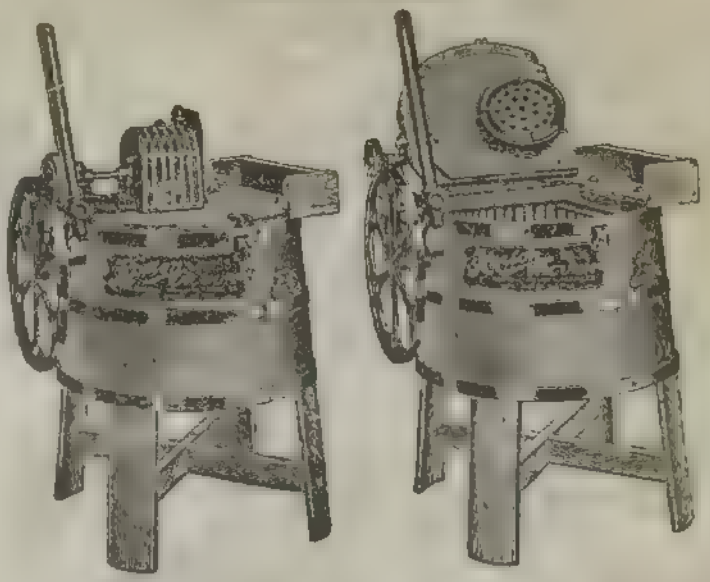
Each

No. 31—Power: For any Kind of Belt Power; Weight 175 lbs.....**$70 00**

One in a Crate

WASHING MACHINES

HORTON VACUUM



In This Washer the Plunger, or Agitator, Does 50% More Work with the Same Effort than on Other Machines, Because it Makes 2½ Strokes to Each Stroke of the Operating Lever. This High Speed is Made Possible by the Frictionless Cut Gears and the Well Balanced Mechanism.

Each One of the Many Perforations Acts as a Valve to Let in Air for Suction Each Time the Plunger is Raised Out of the Water.

[illegible] Agitation is Produced by this High Speed Method, but the Machine Must be Securely Closed to Keep the Water and Suds in the Tub.

There are More Real, Common-sense Features in the **Horton Vacuum** Than Any Hand Power Washer on Earth. It Does the Work Speedily and Noiselessly No Matter How Dirty the Load.

Anybody can Operate the Horton Vacuum. The Operating Lever can be Placed in Either of Two Positions, Suitable for Either Child or Grown Person.

Mechanism—Driving Gears are CUT Instead of Cast, Causing the Teeth to Mesh Perfectly and Reduces Friction to a Minimum. It also Makes the Machine Run Much Easier, Perfectly Noiseless, and it Will Wear Much Longer.

Tub—The Tub is Made of the Highest Grade Louisiana Red Cypress [illegible] Thoroughly Seasoned. It is Made Larger on Account of the Easy Running Mechanism, Enabling the Work to be Done More Quickly. It is Full, Corrugated on the Inside by a Special Process to Avoid Splinters.

Finish—The Mechanism (Except the Fly Wheel) is Gold Bronzed. The Fly Wheel and Hoops are Green Enameled. The Tub has Three Coats of Coach Varnish and the Name is on a Beautiful Decalcomania Transfer. These Combinations Give the Entire Machine the Appearance of Parlor Furniture.

Each

No. 35—Weight Crated, 95 lbs.....$23 00

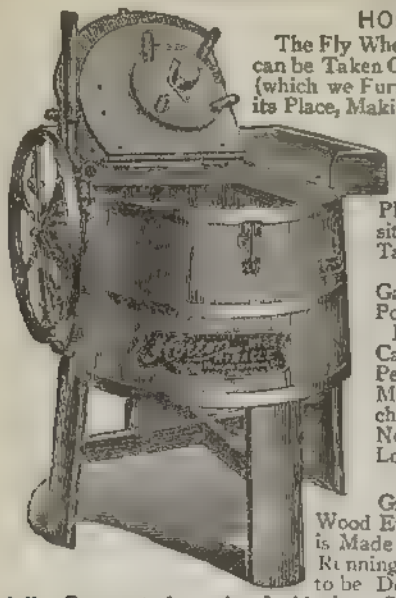
One in a Crate

A CUSTOMER LOST IS A SERIOUS MATTER. YOU DO NOT KNOW WHAT THE RESULT WILL BE.

KEEP YOUR STOCK UNBROKEN BY FREQUENT MAIL ORDERS AND DO NOT LOSE TRADE BY BEING OUT OF NECESSARY ARTICLES.

WASHING MACHINES

HORTON MIRACLE



The Fly Wheel on the Regular Miracle Washer can be Taken Off Instantly and a Pulley Wheel (which we Furnish at Small Cost) can be Put in its Place, Making a Gasoline Engine Power Machine. And the Belt Need not be Removed Each Time Lid is Opened.

The Operating Lever can be Placed in Either One or Two Positions Convenient for a Short or Tall Person, Adult or Child.

The Dolly Post is Guarded by a Galvanized Cup, Eliminating all Possibility of Tearing Clothes.

Driving Gears are Cut Instead of Cast, Causing the Teeth to Mesh Perfectly and Reduces Friction to a Minimum. It also Makes the Machine Run Much Easier, Perfectly Noiseless, and it will Wear Much Longer.

The Tub is Made of the Highest Grade Louisiana Red Cypress (the Wood Eternal), Thoroughly Seasoned. It is Made Larger on Account of the Easy Running Mechanism, Enabling the Work to be Done Much More Quickly. It is fully Corrugated on the Inside by a Special Process to Avoid Splinters.

The Mechanism (Except the Fly Wheel) is Gold Bronzed. The Fly Wheel and Hoops are Green Enameled. The Tub has Three Coats of Coach Varnish and the Name is on a Beautiful Decalcomania Transfer. These Combinations Give the Entire Machine the Appearance of Parlor Furniture

Each

No. HM22—Weight Each 100 lbs..... $27 00

One in a Crate

POWER PULLEYS — Each

Extra Power Pulleys for No. HM22 Washing Machines..... $4.00

Loose

OPEN TOP

Galvanized Steel Bottom with Removable Bottom Rubber; Improved Wood Rubber; Aluminum Bronzed Castings Inside Dimensions: Length 29 inches, Width 18½ inches, Height Over All 40 inches Oak Legs, Securely Bolted

Each

No. O—Weight, Each, 40 lbs..... $13.50

One in a Crate

CLOTHES WASHERS

RAPID

Makes Clothes Washing Easy. Saves the Knuckles, Saves the Clothes, Saves One-half the Soap. Just the thing for Washing Curtains and Other Delicate Fabrics. The Heavy Part of the Washing is Quickly Done by Placing the Clothes, or Fabric, to be Washed in a Tub of Water or Suds (the Water can be Boiling Hot), and Agitating the Water by a Vertical Motion of the Washer. Fifteen Minutes Time to a Tub of Clothes. This Forces the Water Through the Fabric, and Removes the Dirt.

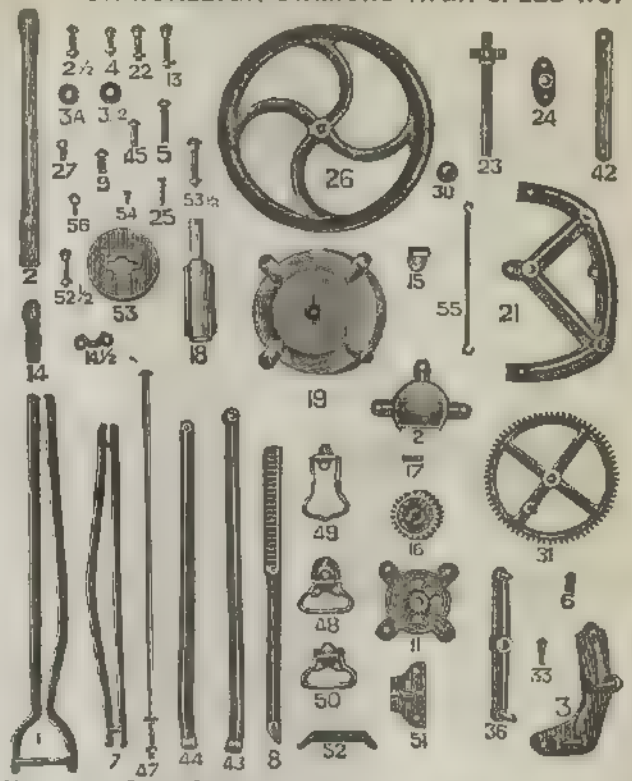
Per Dozen

No. R—Made of Bright Tin Plate; Very Strong and Durable; All Edges Rounded, No Sharp Edges to Tear Clothes or Fabrics; 40inch Natural Finish Hardwood Handle; 4 Inch Nib Handle Bolted to Large Handle; Length Over All 48 inches; Weight per Dozen 25 lbs..... $14.50

Loose

WASHING MACHINE PARTS

FOR NORLEIGH DIAMOND HIGH SPEED NO. 22

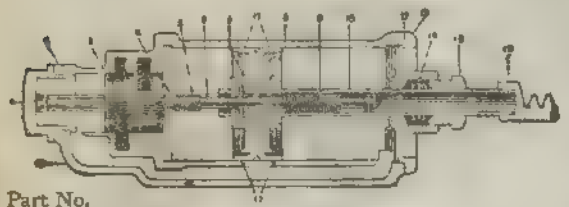


			Each
No.	1	—Lever Complete	$1.60	$0.90
No.	2	—Lever Handle	.25	.15
No.	2½	—Lever Handle Bolt and Nut	.20	.10
No.	3	—Lever Bracket	1.10	.60
No.	3A	—Lever Bracket Bolt Rubber Washer	.10	.05
No.	3½	—Lever Bracket Bolt Steel Washer	.05	.02
No.	4	—Lever Bracket Bolt and Nut	.10	.05
No.	5	—Lever Bracket Clevis Pin	.10	.05
No.	6	—Cotter Pin	.05	.02
No.	7	—Dolly Lever Complete	1.40	.80
No.	8	—Dolly Rack	1.50	85
No.	9	—Clevis Pin	.10	.05
No.	11	—Dolly Gear Bracket	.40	25
No.	12	—Dolly Gear Bracket Cover	.25	.15
No.	13	—Dolly Gear Bracket Cover Bolt & Nut	.10	.05
No.	14	—Waste Plug	.10	05
No.	14½	—Waste Spout	.10	.05
No.	15	—Dolly Rack Guide	.20	.10
No.	16	—Dolly Gear	60	.35
No.	17	—Dolly Gear Shaft Cotter	.05	.02
No.	18	—Dolly Shaft Complete	.85	.50
No.	19	—Wood Dolly	3.40	2 00
No.	21	—Lower Gear Bracket	1.70	1 00
No.	22	—Lower Gear Bracket Bolt and Nut	10	.05
No.	23	—Lower Gear Shaft Complete	60	.35
No.	24	—Lower Gear Shaft Top Bracket	.20	.10
No.	25	—Wood Screw No 11x¾	.05	.02
No.	26	—Lower Gear Fly Wheel	3.40	2.00
No.	27	—Lower Gear Fly Wheel Set Screw	.10	.05
No.	30	—Lower Gear Shaft Ball Bearing	.10	.05
No.	31	—Lower Pitman Gear and Stud	1.40	.80
No.	33	—Lower Gear Stud Cotter	.05	.02
No.	36	—Lower Pitman Lever Beam with Studs	1.10	.65
No.	42	—Lower Pitman	.25	.15
No.	43	—Lower Lever Connection	1.20	.70
No.	44	—Lower Dolly Lever Connection	1.20	.70
No.	47	—Tub Tie Bolt, Nut and Washer	.30	.20
No.	47½	—Tub Tie Bolt Washer	.05	.02
No.	48	—Tub Handle Lock Side	.20	.10
No.	49	—Tub Cover Catch	.20	.10
No.	50	—Tub Handle	.20	.10
No.	51	—Tub Hinge	.20	.10
No.	52	—Wringer Board Bracket	.10	.05
No.	52½	—Hinge Bolt and Nut	.20	10
No.	53	—Dolly Plate	.25	15
No.	53½	—Wringer Board Bolt and Nut	.20	.10
No.	54	—Wringer Bolt Screw	.05	02
No.	55	—Balance Spring	25	15
No.	56	—Balance Spring Screw Eye	.05	.02
No.	58	—Wringer Box	.85	.50

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE

WASHING MACHINE PARTS

FOR NORLEIGH DIAMOND NO. ND55 WATER POWER

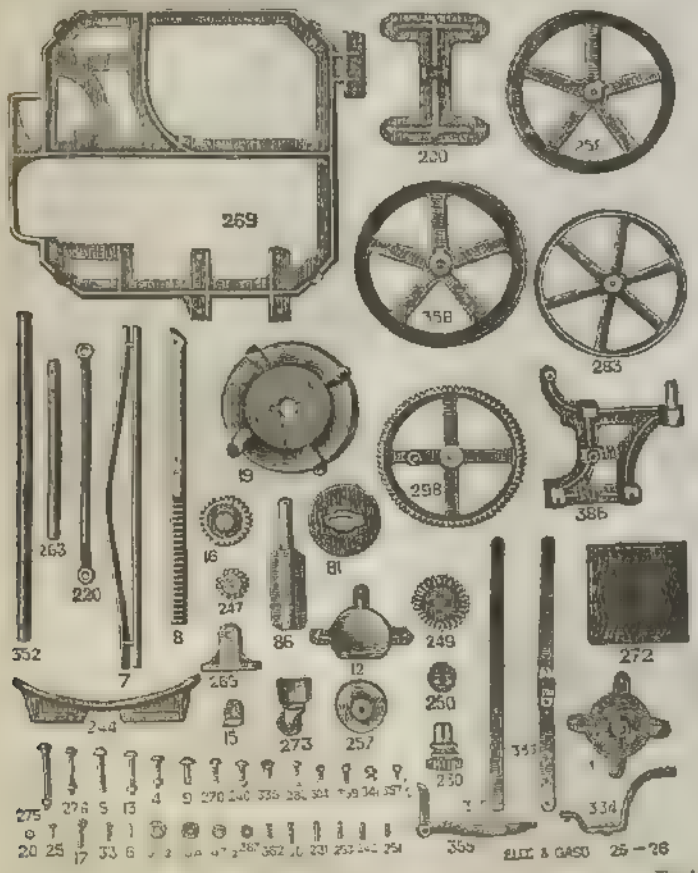


FOR No. ND55 WATER POWER

Part No.			Each
✣No. 1	—Valve Plug	$1 10	.60
✣No. 2	—Vellumoid Gasket	.10	.05
✣No. 3	—Valve	2 20	1.30
✣No. 4	—Valve Nut	.35	.20
✣No. 5	—Spring	.20	.10
✣No. 6	—Valve Stem	.25	.15
✣No. 7	—Female Flange	.40	.25
✣No. 8	—Male Flange	.40	.25
✣No. 9	—Spring	.25	.15
✣No. 10	—Piston Tubing	.35	.20
✣No. 11	—Long Spring	.35	.20
✣No 12	—Vellumoid Head Gasket	.10	.05
✣No. 13	—Cylinder Head	2 10	1 20
✣No. 14	—Piston Packing	.10	.05
✣No. 15	—Gland Nut	.25	.15
✣No. 16	—Rack	1 10	.60
✣No. 17	—One Set of Leather Cups	1 10	.60
✣No. 18	—Cylinder	10 60	6 20
✣No. 20	—Base	2 10	1 20
✣No. 21	—Gear Cover	.60	.35
✣No. 22	—Gear	.40	.25
✣No. 23	—Roller	.25	.15
✣No 198	—Dasher	.85	.50
✣No.186	—Dasher Post	.70	.40
✣No.187	—Dasher Plate	.25	.15
✣No.199	—Dasher Post Cap	.40	.25

Loose

FOR NORLEIGH DIAMOND NOS. 66 AND 76



		Each	
No. 200	—Dolly Lever Bracket	$2 20	$1 30
No. 4	—Dolly Lever Bracket Bolt and Nut	.10	.05
No. 8A	—Dolly Lever Bracket Washer Rubber	.10	.05

WASHING MACHINE PARTS

FOR NORLEIGH DIAMOND NOS. 66 AND 76

		Each	
No. 8½	—Dolly Lever Bracket Washer	$0 05	.02
No. 5	—Dolly Lever Bracket Clevis Pin	10	.05
No. 6	—Dolly Lever Bracket Clevis Pin Cotter	.05	.02
No. 7	—Dolly Lever Complete	1 40	.80
No. 8	—Dolly Lever Rack	1 50	85
No. 9	—Dolly Lever Rack Clevis Pin	.10	05
No. 11	—Dolly Gear Bracket	.40	25
No. 12	—Dolly Gear Bracket Cover	.25	.15
No. 13	—Dolly Gear Bracket Bolt and Nut	.10	05
No. 15	—Dolly Gear Rack Guide	.20	10
No. 16	—Dolly Gear	.60	.35
No. 17	—Dolly Gear Shaft Cotter	.05	02
No. 19	—Wood Dolly	1 30	75
No. 20	—Dolly Rack Guide Fibre	.05	02
No. 51	—Wood Dolly Plate	25	.15
No. 25	—Wood Dolly Plate Wood Screw	05	.02
No. 88	—Wood Dolly Shaft Complete	90	.50
No. 220	—Driving Pitman	1 10	.65
No. 33	—Driving Pitman Gear Stud Cotter	05	.02
No 298	—Driving Pitman Gear Complete	1 70	1.00
No. 230	—Driving Pinion Clutch	1 10	.65
No. 242	—Driving Pinion Clutch Pin	05	.02
No. 334	—Driving Pinion Clutch Shifting Arm	.40	.25
No. 335	—Driving Pinion Clutch Shifting Arm Fulcrum Screw	.20	.10
No. 339	—Driving Pinion Clutch Shifting Lever	.50	.30
No. 341	—Driving Pinion Clutch Shifting Lever Screw	.10	.05
No 303	—Driving Pinion Clutch Shifting Lever Screw Nut	.05	.02
No 244	Shifting Lever Retaining Bracket	.90	.50
No. 240	—Shifting Lever Retaining Bracket Bolt	.10	.05
No. 250	—Wringer Reversing Clutch	.40	25
No. 251	—Wringer Reversing Clutch Pin	.05	.02
No. 355	—Wringer Reversing Clutch Shifting Arm	.40	.25
No. 383	—Wringer Reversing Clutch Shifting Lever Complete	.70	.40
No. 361	—Wringer Reversing Clutch Shifting Lever Stop Plunger	.10	.05
No. 362	—Wringer Reversing Clutch Shifting Lever Stop Plunger Spring	.10	.05
No. 386	—Drive and Wringer Gear Bracket Complete	4.30	2.50
No. 304	—Drive and Wringer Gear Bracket Bolt and Nut	.20	.10
No. 249	—Wringer Drive Clutch Bevel Gear	.70	.40
No. 352	—Wringer Drive Shaft	1.30	.75
No. 253	—Wringer Drive Shaft Pin	05	.02
No. 265	—Wringer Drive Shaft Bracket	.40	.25
No. 257	—Wringer Drive Small Grooved Pulley	.70	.40
No. 357½	—Wringer Drive Small Grooved Pulley Set Screw	.10	.05
No. 358	—Wringer Drive Large Grooved Pulley	3 00	1.75
No. 359	—Wringer Drive Large Grooved Pulley Set Screw	.20	.10
No. 263	—Driving Shaft	.75	.45
No. 253	—Driving Shaft Pin	.05	.02
No. 247	—Driving Shaft Bevel Pinion	.40	25
No. 231	—Driving Shaft Bevel Pinion Pin	05	.02
No. 265	—Driving Shaft Bracket	.40	.25
No. 304	—Driving Shaft Bracket Bolt and Nut	.20	.10
No. 287	—Driving Shaft Bracket Bolt Spring Washer	.05	.02
No. 258	—Driving Shaft Grooved Pulley	3.00	1.75
No. 259	—Driving Shaft Grooved Pulley Set Screw	10	05
No. 269	—Supporting Frame	7.70	4.50
No. 270	—Supporting Frame Bolt and Nut	.10	.05
No. 47¼	—Supporting Frame Bolt Washer	.05	.02
No. 273	—Motor Board	.40	.25
No. 273	—Castor	.60	.35
No. 283	—Driving Pulley	2.20	1.25

LEVELS

No. 102—Hardwood, brass top plate, two side views, polished, **assorted,** 10, 12, 14 and 16 in., w't per doz. 15 lbs. ....per dozen $10.50

ONE DOZEN IN A BOX

PLUMBS AND LEVELS

No. 104—Hardwood, brass top plate, two side views polished, **assorted,** 12, 14, 16 and 18 in., w't per doz. 20 lbs. ....per dozen $16.50

ONE DOZEN IN A BOX

No. 00—Hardwood, brass top plates, two side views, polished, **assorted,** 18, 20 and 22 in., w't per doz. 34 lbs. .....per dozen $20.60

HALF DOZEN IN A BOX

No. 0—Hardwood, brass top plates, two side views, polished, **assorted** 24, 26, 28, 30 in., w't per doz. 44 lbs. .....per dozen $23.00

HALF DOZEN IN A BOX

No. 2—Adjustable glass, hardwood, brass top plates, two side views, polished, **assorted,** 26, 28, 30 in., w't per doz. 50 lbs., per dozen $31.60

HALF DOZEN IN A BOX

Our Very Best
Is
The Very Best

PLUMBS AND LEVELS

No. 3—Adjustable glass, hardwood, brass top plates and brass tips, two side views, polished, **assorted** 26, 28, 30 in., w't per doz. 50 lbs. .....per dozen $38.60

HALF DOZEN IN A BOX

No. 5—Adjustable glass, hardwood, three piece brass top plates, brass tips and two brass lipped side views, polished, **assorted** 26, 28, 30 in., w't per doz. 50 lbs., per dozen $50.60

HALF DOZEN IN A BOX

Duplex Adjustable Glass.

These levels have three glasses, a level glass set in the top in the usual way, a second glass set in the side and a plumb glass. The plumb glass is set close to one side of the stock, a great advantage in over-head work. The second level glass can be reversed to form a second plumb if required.

No. 300—Hardwood, brass top plates, two circular brass side plates, brass tips, two side views, polished, **assorted,** 26, 28, 30 in., w't per doz. 48 lbs., per doz. $51.60

HALF DOZEN IN A BOX

No. 130—Adjustable glass hardwood heavy brass top plates and corner tips two plumb glasses, special set, special finish, **assorted** 26, 28, 30 in., w't per doz. 42 lbs., per dozen $48.00

ONE IN A BOX

Hibbard
Hardware for Hard-Wear

PLUMBS AND LEVELS

Adjustable glass, mahogany, brass top plates, two side views, full brass bound, two plumbs, special finish, 2 in. wide, 1 in. thick.

These brass bound adjustable plumbs and levels have ths four edges protected by one piece of brass of special form dove tailed the entire length into the wood and through the solid tips.

No. 193—

Inches	12	18	24
W't, doz., lbs.	13½	33	42
Per dozen	$56.40	64.80	74.40

ONE IN A BOX

LEVELS

No. 115—Nickel plated top plate, 2 side views, cherry stained, length 12 in., w't per doz. 6½ lbs., per dozen $3.60

ONE DOZEN IN A BOX

DISSTON'S, brass arch top plate, two side views, polished.

No. 102D—Assorted 14 and 16 in., w't per doz. 20 lbs., per dozen $10.00

No. 103D—Assorted 18, 20, 22 and 24 in., w't per doz. 32 lbs., per dozen $13.50

HALF DOZEN IN A CASE

PLUMBS AND LEVELS

No. 155—Nickel plated top plate, cherry, length 12 in., w't per doz. 6 lbs. .....per dozen $3.80

ONE DOZEN IN A BOX

DISSTON'S, brass arch top plate, polished, two side views.

No. 00D—Assorted, 18, 20 and 22 in., w't per doz. 34 lbs., per dozen $19.60

No. 0D—Assorted 24, 26, 28 and 30 in., w't per doz. 44 lbs., per dozen $21.90

HALF DOZEN IN A BOX

PLUMBS AND LEVELS

DISSTON'S, adjustable glass, brass arch top plate, two side views, polished.

No. 2D—Assorted 26, 28 and 30 in., w't per doz. 50 lbs., per dozen $30.40

No. 3D—Brass tipped assorted 26, 28 and 30 in., w't per doz. 50 lbs., per dozen $36.70

HALF DOZEN IN A BOX

STANLEY'S, square top plate, two side views, polished side groove, proved glasses.

No. 00S—Assorted, 18, 20 and 22 in., w't doz. 33 lbs., per doz. $20.60

No. 0S—Assorted, 24, 26, 28 and 30 in., w't doz. 40 lbs., per doz. $23.00

HALF DOZEN IN A BOX

STANLEY'S, adjustable glasses, brass top plate, two brass lipped side views, polished, side groove, proved level glasses, w't per doz. 44 lbs.

Assorted 26, 28 and 30 in.

No. 2S—Square top plate, per dozen $31.60

No. 3S—Brass tipped, arch top plate .....per dozen $38.60

HALF DOZEN IN A BOX

No. 13—Stanley's, 26, 28 or 30 in., adjustable, heavy brass top plate and corner tips, two plumb glasses, selected hardwood, side groove, w't per doz. 44 lbs. ..per dozen $48.00

ONE IN A BOX

STANLEY'S, adjustable, square brass top plate, 2 brass lipped side views, rosewood, brass bound, ground glasses, grooved side, w't per doz. 64 lbs.

Nos.	9626	9628	9630
Inches	26	28	30
Per dozen	$134.40	139.20	147.60

STANLEY'S, adjustable, square brass top plate, 2 side views, mahogany, full brass bound, proved glasses, grooved side, w't per doz. 40 lbs.

Nos.	9326	9328	9330
Inches	26	28	30
Per dozen	$66.00	69.60	72.00

PLUMBS AND LEVELS

STANLEYS, carpenter's duplex, adjustable square top plate, two brass circular side plates, brass tips, polished, w't per doz. 48 lbs.

Assorted 26, 28, 30 Inch.

	Per Dozen
No. 30—Hardwood	$55.20
No. 50—Triple Hardwood	62.00

No. 118 — Sands, white pine, 2¼ in. wide, 1⅛ in. thick, nicely finished, two plumb and two level glasses, glasses are securely set in level and covered by plate glass which protects them from dust, dirt and water, **assorted,** 26, 28, 30 in., w't per doz. 24 lbs. ..per dozen $38.40

ONE IN A BOX

No. 678—Sands, selected white pine, air dried, light and durable, one plumb and one level glass, level has two side and one top view. Protected glasses, assorted 24, 26 and 28 in. w't per doz. 18 lbs., per dozen $15.60

ONE DOZEN IN A BOX

ALUMINUM PLUMBS AND LEVELS

Nos. 28 and 30½

SAND'S, cast aluminum, machined and nicely finished, glasses securely set in frame and covered by plate glass, which protects them from dust, dirt and water, frames are strong, durable and light in weight.

No. 12V—Length 12 in., grooved bottom, has two plumb and two level glasses; w't per doz. 16 lbs., per dozen $60.00

No. 18—Length 18 in., has two plumb and two level glasses; w't per doz. 21 lbs. .....per dozen $78.00

No. 24—Length 24 in., has two plumb and two level glasses, w't per doz. 32 lbs. .....per dozen $102.00

No. 28—Length 28 in., has four plumb and two level glasses, w't per doz. 40 lbs. .....per dozen $114.00

No. 30½—Length 30 in., has four plumb and two level glasses, w't per doz. 41 lbs. .....per dozen $126.00

CARPENTERS' AND MACHINISTS' LEVELS

Nos. 36, 37 37G and 237 have tops and bottoms milled and wet ground to insure two perfectly parallel surfaces. Glasses are accurately placed and are so set that either surface may be used to level or plumb. Glass cases have screw adjustments in eccentric cone centers.

STANLEY'S, adjustable, japanned iron, ground edges, nickel plated trimmings, two plumbs, proved glasses.

Nos.	366	369	3612
Inches	6	9	12
W't, doz., lbs.	10½	15	22½
Per dozen	$28.80	34.80	42.00

Nos.	3618	3624
Inches	18	24
W't per doz., lbs.	36	51
Per dozen	$50.40	56.40

STANLEY'S, adjustable, nickel plated iron, polished edges, nickel plated trimmings, 2 plumbs, ground glasses, revolving glass protectors.

PLAIN BOTTOM

Nos.	3712	3718	3724
Inches	12	18	24
W't, doz., lbs.	25	38	51
Per dozen	$56.40	67.20	78.00

GROOVED BOTTOM

Nos.	3712G	3718G	3724G
Inches	12	18	24
W't doz., lbs.	24	37½	50
Per dozen	$56.40	67.20	78.00

STANLEY'S, aluminum, adjustable, nickel-plated level cases, revolving glass protectors, and black finish light in weight, will not rust or warp.

Nos.	23712	23718	23724
Inches	12	18	24
W't, doz., lbs.	12	15	21
Per dozen	$58.80	73.20	85.20

ONE IN A BOX

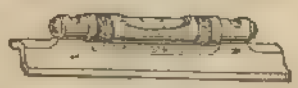
STANLEY MACHINISTS' LEVELS

Nickel plated proved level glass, 2 side views, square ends.

Nos.	38½	39½
Length, in.	4	6
W't, doz., lbs.	3½	7
Per dozen	$11.60	14.40

HALF DOZEN IN A BOX

STANLEY MACHINISTS' LEVELS



Adjustable, nickel plated, iron base, polished edges, V bottom, revolving glass protector, ground glass.

Nos.	344	346	348	3410
Inches	4	6	8	10
W't, dz., lbs.	6	9	12	18
Per dozen	$24.90	31.20	42.00	46.20

HALF DOZEN IN A BOX

LINE LEVELS

No. 1—Length 3 in., aluminum, nicely finished, used in connection with a line to which level is hung for laying foundations, ditching, sewering, brick and cement walls, carpenter work and many other purposes, w't per doz. ½ lb., per dozen $8 00

ONE IN A BOX

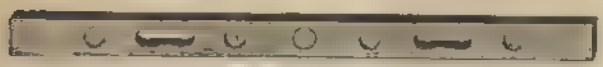
MASON'S LEVELS

SAND'S PLUMBS AND LEVELS

Wood, selected air-dried white pine, well seamed, light and durable. Quick acting glasses, accurately set in level. Glasses are covered by heavy plate glass for protection.

No. 1A—Length 48 in., 2½ in. wide, 1¾ in. thick, two plumb glasses and two level glasses, w't per doz. 88 lbs., per dozen $54.00

ONE DOZEN IN A CASE



No. 3A—Length 48 in., 2½ in. wide, 1¾ in. thick, four plumb glasses and two level glasses, w't per doz. 34 lbs., per dozen $66.00

ONE DOZEN IN A CASE

No. 7A—Brass bound, length 48 in., 2½ in. wide, 1¾ in. thick, four plumb glasses and two level glasses, w't per doz. 50 lbs. ..... per dozen $114.00

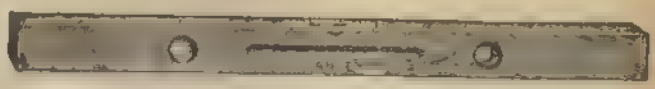
HALF DOZEN IN A CASE

CAST ALUMINUM, machined and nicely finished. Glasses are securely set in frame and covered by plate glass which protects them from dust, dirt and water. Frames are strong, durable and light in weight.

No. 42—Length 42 in., 2¾ in. wide, 1¾ in. thick, four plumb and two level glasses, w't per doz. 51 lbs., per dozen $168.00

ONE IN A BOX.

STANLEY

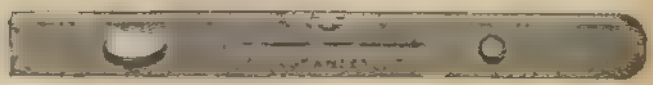


STANLEY'S, square top plate, 2 plumbs, 2 side views, proved glasses, polished hardwood, grooved side.

No. 7½—36 in., w't per doz. 52 lbs. ..... per dozen $43.20

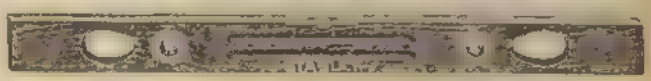
No. 8S—42 in., w't per doz. 58 lbs. ..... per dozen 50.40

HALF DOZEN IN A CASE



No. 35—Stanley's, adjustable, square top plate, 2 side views, proved glasses, adapted for plumb bob and line, polished, 42 in., w't per doz. 65 lbs., per dozen $44.40

HALF DOZEN IN A CASE



STANLEY'S' adjustable, square top plate, 2 brass lipped side views, 2 plumbs, proved glasses, with plumb rule, adapted for plumb bob and line.

Plumb glasses are set in separate holes, each on the right hand side. Enabling workman to plumb below or above where he stands.

No. 45½—1 1/16 stock, 48 in., w't per doz. 60 lbs. per dozen $68.40

HALF DOZEN IN A BOX

POCKET LEVELS

STANLEY'S, japanned iron, rounded ends, proved glass, length 3½ in., w't per doz. 1⅝ lbs.

No. 40—Japanned top plate, per dozen $3.10

No. 41—Brass top plate, per dozen $3.30

ONE DOZEN IN A BOX

STANLEY'S nickel plated brass, hexagon, spherical ends, proved glass.

No. 31—In.	2½	3	3½
W't per doz., lbs. ..	¾	1	1¼
Per dozen	$8.20	9.60	12.00

HALF DOZEN IN A BOX

No. 200—Rosewood, brass top plate, two side views, 6x1x⅝ in., w't per doz. 2 lbs. .....per dozen $5.00

ONE DOZEN IN A BOX

STRAIGHT EDGE LEVELS

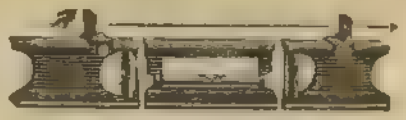
A unique labor saving device, for setting door jambs, window frames, plumbing walls, leveling joists, wall plates and sleepers.

Can be attached to any piece of wood

No. 10—Leonhart's, diam. 3 in. stamped from one piece of nickel plated steel, w't per doz. 1½ lbs., per dozen $8.00

ONE IN A BOX

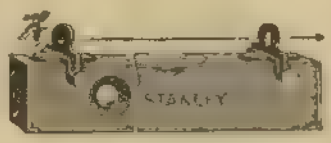
LEVEL SIGHTS



Can be attached to any iron level and they afford a convenient and accurate means for leveling at a long distance.

No. 2—Stanley's, improved, length ⅞ in., width 1¼ in., gun finish iron for iron levels, w't ¼ lb., per pair $1.60

ONE PAIR IN A BOX



Can be attached to any wood level and afford a convenient and accurate means for leveling at a distance.

No. 1—Stanley's, improved, length 1¼ in., width 2 in., gun finish iron, for wood levels, w't ¼ lb., per pair $1.60

ONE PAIR IN A BOX

LEVEL GLASSES

STANLEY'S, Proved.

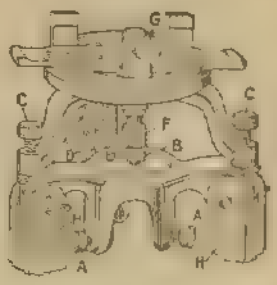
Nos.	1	1½	1½	1⅝
Length, in...	1	1½	1½	1⅝
W't, gro., lbs.	1½	2	3	3
Per dozen...	$1.45	1.50	1.50	1.55

Nos.	2	2½	3
Length, in.	2	2½	3
W't, gro., lbs.	4½	4½	6
Per dozen	$1.70	1.90	2.10 Asst'd

Nos.	3½	4	5
Length, in.	3½	4	1⅜,3,3½
W't, gro., lbs.	6	7½	6
Per dozen	$2.20	2.70	2.00

ONE DOZEN IN A BOX

STANLEY LEVEL STANDS



A practical device for holding levels with sights attached. It enables the user to run grades for ditches, drains, etc., and to set profiles for foundation work. It consists of a base and rotating level carrier. The base can be attached by set screws to one stake or to three stakes forming a tripod.

No. 38—4½ in. long, 5½ in. wide, for metal levels, w't each 1⅝ lbs., each $3.70

No. 48—4½ in. long, 5½ in. wide, for wood level, w't each 2 lbs., each $3.70

ONE IN A BOX

JOINTER GAUGES

No. 88—Perfection, cast iron, japanned, polished surface, all parts nickel plated, adjustable, for squaring to any bevel, can be attached to either wood or iron plane, w't per doz. 23 lbs. .....per dozen $32.00

ONE IN A BOX

Also used to square up edge of boards. Can be used on either side of plane for right or left hand work.

No. 386—Stanley, all metal, nickeled finish, for use on all sizes iron jack or jointer planes to plane bevels of any angle between 30 and 90 degrees, w't per doz. 24 lbs., per dozen $36.00

ONE IN A BOX

SELF-SETTING IRON PLANES

SMOOTH BOTTOM

The cutter irons are made from special high grade steel, are thin and easily kept in order.
The malleable Frog and Steel Cap reduce greatly the liability of breakage.
Handle and knob are made of highly finished, thoroughly seasoned rosewood. They are securely fastened to plane with steel rods that have brass screw heads. Trimmings are nickel plated and japanned, giving the planes a very fine finish throughout.

SMOOTH

No. 803—8¾ in. long, 1¾ in. cutter, w't each 3 lbs., each $5 40

No. 804—9 in. long, 2 in. cutter, w't each 3½ lbs., each $5.90

JACK

No. 805—14 in. long, 2 in. cutter, w't each 4½ lbs. ..... each $6.70

FORE

No. 806—18 in. long, 2¼ in. cutter, w't each 5½ lbs. ..... each $8.70

JOINTER

No. 807—22 in. long, 2⅜ in. cutter, w't each 7 lbs. ..... each $9.90

ALL ABOVE ARE ONE IN AN ATTRACTIVE BOX

SELF-SETTING IRON PLANES

CORRUGATED BOTTOM

Corrugated bottom planes are preferred by many users, because of there being less friction from the bottom, runs a little lighter. They have the self setting cutter iron made from special high grade steel.

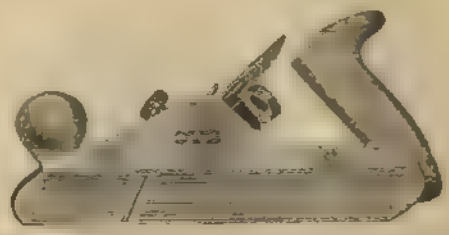
The malleable Frog and Steel Cap reduce greatly the liability of breakage.

The Handle and Knob are made of highly finished, thoroughly seasoned rosewood. These are securely fastened to plane with steel rods that have brass screw heads. Trimmings are nickel plated and japanned. Plane is finely finished throughout.

The self-cutting feature lies in the construction of the plane iron. If taken out to be honed or sharpened, goes back in same position as before removal. The plane cannot chatter because the cutter iron is held rigid at the point by the cap; at the same time the cap screw used for tightening the cap is pressing against the binder plate on top of the cutter iron. This pressure against the binder plate holds the cutter firm its entire length.

SMOOTH

No. 803C —8¾ in. long, 1¾ in. cutter, w't each 3 lbs., each $5.65



No. 804C —9 in. long, 2 in. cutter, w't each 3¾ lbs., each $6.20

JACK

No. 805C —14 in. long, 2 in. cutter, w't each 4¼ lbs. ..... each $7.10

FORE

No. 806C —18 in. long, 2¼ in. cutter, w't each 5½ lbs. ..... each $9.10

JOINTER

No. 807C —22 in. long, 2½ in. cutter, w't each 7 lbs. ..... each $10.40

ALL ABOVE ARE ONE IN AN ATTRACTIVE BOX

SELF-SETTING WOOD PLANES

Wood planes are preferred by many because of being lighter in weight than the iron planes.

Wood Planes are made of specially selected beechwood, thoroughly seasoned and dried.

The iron frog with adjustable throat will lengthen greatly the life of these wood planes, as this frog and throat can be moved up to permit the bottom of the plane to be trued up when worn.

The cutter iron can also be adjusted sidewise by loosening the small screw that holds the binder plate to cutter.

Keep cutter iron sharp and properly adjusted, and you will have a plane that is easy to push and will give the greatest satisfaction. In sharpening, care should be taken to keep the cutting edge straight and square with the edge of the cutter iron. Cutting iron can be adjusted sidewise by loosening the set screw that holds binder plate to top of cutting iron.

SMOOTH

No. 835—10 in. long, 2 in. cutter, w't each 2¾ lbs., each $6.20

No. 822—10 in. long, 1¾ in. cutter, w't each 2½ lbs., each $5.70

JACK

No. 826—14 in. long, 2 in. cutter, w't each 4 lbs. ..... each $6.70

FORE

No. 828—18 in. long, 2¼ in. cutter, w't each 5½ lbs. ..... each $7.70

JOINTER

No. 830—22 in. long, 2½ in. cutter, w't 6½ lbs. ..... each $8.10

ALL ABOVE ARE ONE IN AN ATTRACTIVE BOX

REVONOC ADJUSTABLE PLANES

WOOD SMOOTH

UNHANDLED

Nos.	22R	24R
Length, in.	8	9
Cutter, in.	1⅝	2
W't, each, lbs.	2¼	2½
Each	$3.70	4.00

HANDLED

Nos.	35R	36R
Length, in.	9	10
Cutter, in.	2	2⅜
W't each, lbs.	3	3½
Each	$4 80	5.40

WOOD JACK, FORE AND JOINTER

JACK

Nos.	26R	27½R
Length, in.	15	15
Cutter, in.	2	2¼
W't each, lbs.	3¾	4¼
Each	$4.30	4.90

FORE

Nos.	28R
Length, in.	18
Cutter, in.	2⅜
W't each, lbs.	5
Each	$5.40

JOINTER

Nos.	31R	32R
Length, in.	24	26
Cutter, in.	2⅜	2⅜
W't each, lbs.	6½	7
Each	$5.70	6.10

IRON SMOOTH

FLAT BOTTOM

Nos.	2R	3R	4R	4½R
Length, in.	7	8	9	10
Cutter, in.	1⅝	1¾	2	2⅜
W't each, lbs.	2¼	3	3½	5
Each	$4.30	4 60	5.00	5.80

CORRUGATED BOTTOM

Nos.	3RC	4RC	4½RC
Length, in.	8	9	10
Cutter, in.	1¾	2	2⅜
W't each, lbs.	3	3½	5
Each	$4.85	5 25	6.10

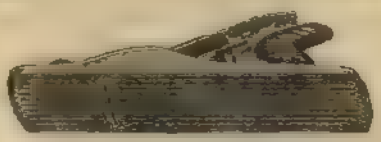
ALL ABOVE, ONE IN A BOX

IRON JACK, FORE AND JOINTER

FLAT BOTTOM

Nos.	5R	5½R	6R
Style	Jack	Jack	Fore
Length, in.	14	15	18
Cutter, in.	2	2¼	2⅜
W't each, lbs.	4½	6	7
Each	$5.80	6.50	7 30

Nos	7R	8R
Style	Jointer	Jointer
Length, in.	22	24
Cutter, in.	2⅜	2⅝
W't each, lbs.	8	9½
Each	$8 50	10.00



CORRUGATED BOTTOM

Nos.	5RC	5½RC	6RC
Style	Jack	Jack	Fore
Length, in.	14	15	18
Cutter, in.	2	2¼	2⅜
W't each, lbs.	4½	6	7
Each	$6 10	6 85	7.70

Nos.	7RC	8RC
Style	Jointer	Jointer
Length, in.	22	24
Cutter, in	2⅜	2⅝
W't each, lbs	8	9½
Each	$9.00	10.50

IRON BLOCK

No. 101R REVONOC—3½ in. 1 in. cutter, w't 4 oz., each $0.50

HALF DOZEN IN A BOX

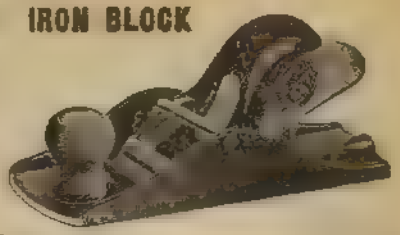
No. 100R REVONOC—3½ in., handled, 1 in. cutter, w't 6 oz. ..... each $0.60

No. 103R REVONOC—5½ in., adjustable, 1⅜ in. cutter, w't 2 lbs., each $1 40

No. 1300R REVONOC—8 in., double-ender, 1⅜ in. cutter, w't 1½ lbs., each $2 00

ONE IN A BOX

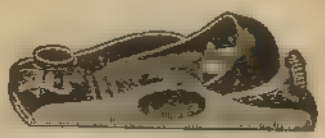
IRON BLOCK



Nos.	102R	110R
Length, in.	5½	7½
Cutter, in.	1⅜	1⅝
W't each, lbs.	¾	1¼
Each	$1.10	1.40

No. 2200R REVONOC—7½ in., adjustable. 1⅝ in. cutter, w't 1¼ lbs., each $2.00

ONE IN A BOX



JAPANNED CAP—LOW ANGLE

Nos.	600½R	650½R
Length, in.	6	7
Cutter, in.	1⅛	1⅝
W't each, lbs.	1	1
Each	$2.90	3.10

Throat and lateral adjustment, japanned cap.

Nos.	9½R	11R
Length, in.	6	7
Cutter, in.	1⅝	1⅝
W't each, lbs.	1¼	1¾
Each	$2.70	2 90

With throat and lateral adjustment, knuckle joint, nickel plated cap.

Nos.	1800R	1900R
Length, in.	6	7
Cutter, in.	1⅝	1⅝
W't each, lbs.	1¼	1¼
Each	$3.10	3.30

ALL ABOVE, ONE IN A BOX

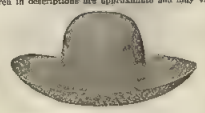
HARVEST HATS

Because we manufacture our own hats we know that we always offer the newest shapes, that they are finished and packed better and are priced lower than those offered by any other jobber. All we ask is that you COMPARE.

MEN'S AND BOYS' PEANUT HARVEST HATS

Widths of brims given in descriptions are approximate and may vary somewhat. Asstd. sizes: Men's 6⅞ to 7½; boys' 6⅜ to 7.

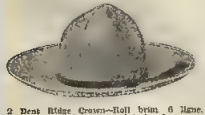
2 Dent Ridge Crown—Plain, roll brim 1 doz. in pkg.
5A5802—Men's, 4¼ in. brim.. Doz. $1.20
5A5817—Boys', 3¾ in. brim.. Doz. $1.20



Round Crown—Plain, roll brim, 1 doz. in pkg
5A5800—Men's, 4¼ in. brim
5A5811—Boys', 3¾ " " Doz. $1.20

Alpine Crown—Plain, planter brim 1 doz. in pkg.
5A5801—Men's, 4¼ in. brim. Doz. $1.20

4 Dent Crown—Plain, planter brim, 1 doz. in pkg
5A5802—Men's, 4¼ in. brim.. Doz. $1.20
5A5816—Boys', 3¾ " .. $1.20

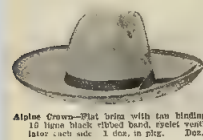


2 Dent Ridge Crown—Roll brim, 6 ligne black ribbed band 1 doz. in pkg.
5A5808—Men's, 4¼ in. brim... Doz. $1.65

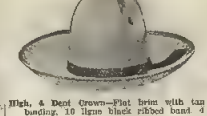
Round Crown—Roll brim, 6 ligne black ribbed band. 1 doz. in pkg.
5A5805—Men's 4¼ in brim... Doz. $1.65
5A5845—Boys', 3¾ " ... $1.65

Alpine Crown—Planter brim, 6 ligne black ribbed band 1 doz in pkg
5A5808—Men's, 4¼ in. brim. Doz. $1.65
5A5846—Boy's, 3¾ " " $1.65

4 Dent Crown—Planter brim, 6 ligne black ribbed band 1 doz in pkg.
5A5807—Men's, 4¼ in. brim. Doz. $1.65
5A5847—Boy's 3¾ " " $1.65

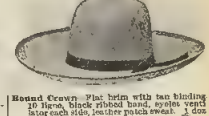


Alpine Crown—Flat brim with tan binding, 10 ligne black ribbed band, eyelet ventilator each side 1 doz. in pkg. Doz.
5A5813—Men's 4¼ in brim.. $2.25



Rich, 4 Dent Crown—Flat brim with tan binding, 10 ligne black ribbed band 4 eyelet ventilators 3 doz in pkg Doz
5A5811—Men's, 4¼ in brim.. $2.25

4 Dent Crown—Flat brim with tan binding 10 ligne black ribbed band eyelet ventilator each side leather patch sweat 1 doz in pkg Doz.
5A5822—Men's, 4¼ in. brim $2.45

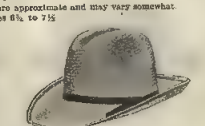


Round Crown—Flat brim with tan binding 10 ligne, black ribbed band, eyelets ventilator each side, leather patch sweat. 1 doz Doz.
5A5814—Men's, 4¼ in. brim.. $2.45

MEN'S CURACAO HARVEST HATS

Widths of brims given in descriptions are approximate and may vary somewhat.
Asstd. sizes 6⅞ to 7½

4 Dent Crown—Fine panama weave, 4 in. roll brim with tan binding, 8 ligne black woven band, leather patch sweat.
5A5856—½ doz. in pkg . Doz. $5.40



Alpine Crown—Fine panama weave, 3½ in. roll brim with tan binding 8 ligne black woven band, leather patch sweat.
5A5849—½ doz. in pkg . Doz. $5.40

Round Crown—Fine panama weave, 4 in. roll brim with tan binding 8 ligne black woven band, leather patch sweat. Doz.
5A5845—½ doz. in pkg . $5.40

3 Dent Ridge Crown—Fine panama weave 4 in roll brim with tan binding 8 ligne black woven band, leather patch sweat.
5A5851—½ doz. in pkg.... Doz. $5.40

BOYS' PEANUT STRAW HATS

Asstd. sizes 6½ to 7

Telescope Crown—Imported peanut body, 2¼ in roll brim with tan binding, 10 ligne black Woven band.
5A5818—1 doz. in pkg. Doz. $2.10

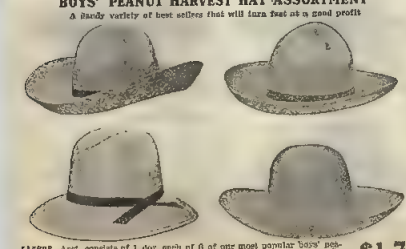
Nobby Ridge Crown—Imported peanut body, 2¼ in roll brim with tan binding, asstd. color 10 ligne fancy woven band
5A5820—1 doz. in pkg Doz. $2.10

Alpine Crown—Imported peanut body, 2¼ in. roll brim with tan binding, 9 ligne brown leather trim band
5A5819—1 doz. in pkg..... Doz. $2.10

2 Dent Ridge Crown—Imported peanut body, 2¼ in roll brim with tan binding, 9 ligne brown leatherette band, eyelet ventilator each side
5A5821 1 doz. in pkg ...Doz. $2.10

BOYS' PEANUT HARVEST HAT ASSORTMENT

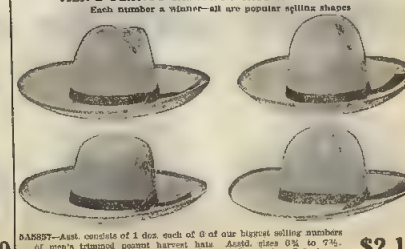
A handy variety of best sellers that will turn fast at a good profit



5A5828—Asst. consists of 1 doz. each of 6 of our most popular boys' peanut harvest hats. Asstd. sizes 6⅞ to 7. Asstd. 6 doz. in carton. (Total $10.20) Doz. **$1.70**

MEN'S PEANUT HARVEST HAT ASSORTMENT

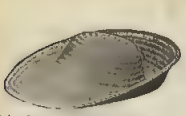
Each number a winner—all are popular selling shapes



5A5837—Asst. consists of 1 doz. each of 6 of our biggest selling numbers of men's trimmed peanut harvest hats Asstd. sizes 6⅞ to 7½. Asstd. 6 doz. in carton. NO LESS SOLD. (Total $12.60) Doz. **$2.10**

MEN'S AND BOYS' MEXICAN HARVEST HATS

Assd. sizes: Men's 6¾ to 7⅞, boys' 6¾ to 7.



Natural Shape Genuine Arizero hat in unusual shape woven by Mexican Indians, with 4 in flexible brim. Well ventilated for hot weather. Ideal knock-about hat for men. We also have it in 4 inch crown.

5A8841 Men's, 5A8843 Boys' Doz. $1.40

2 Dent Telescope Crown. Genuine Arizero body pressed, 4 in. roll brim, 10 ligne black ribbed band, leather patch sweat. ½ doz. in pkg.

5A8842 Men's, 5A8844 Boys' Doz. $2.40

Round Crown—Genuine Arizero body, pressed, 4 in. roll brim, 10 ligne black ribbed band, leather patch sweat. ½ doz. in pkg.

5A8832—Men's, 5A8842—Boys' Doz. $2.40

Alpine Crown. Genuine Arizero body, pressed, 4 in. planiye brim, 10 ligne black ribbed band, leather patch sweat. ½ doz. in pkg.

5A8834—Men's, 5A8844—Boys' Doz. $2.40

4 Dent Crown. Genuine Belgado body pressed wide 4½ in flat brim with tan binding, 10 ligne black ribbed band, 2 cyclet ventilators, leather patch sweat. ½ doz. in pkg.

5A8815 Men's Doz. $3.25

Alpine Crown—Genuine Belgado body pressed wide 4½ in flat brim with tan binding, 10 ligne black ribbed band, 2 cyclet ventilators, leather patch sweat. ½ doz. in pkg.

5A8746 Men's Doz. $3.60

Round Crown—Genuine Belgado body pressed wide 4½ in flat brim with tan binding, 10 ligne black ribbed band, 2 cyclet ventilators, leather patch sweat. ½ doz. in pkg.

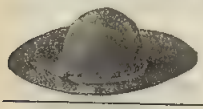
5A8746—Men's Doz. $3.60

MEN'S TLAXIACO MEXICAN HARVEST HAT

5A8539—High 4 dent crown, genuine Tlaxiaco body pressed wide 5 in roll brim, 2 in black ribbed band, genuine leather sweat, full paper lined. Assd. sizes 6¾ to 7⅞. ½ doz. in pkg. Doz. $3.50

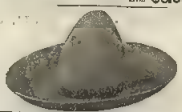
MEN'S 1 STRAW GRASS HAT

Army Shape



5A8825—4 dent crown, 4¼ in flat set brim, regular U. S. army sweat, color cord bands. Assd. sizes 6¾ to 7⅞. ½ doz. in pkg.

Doz. $2.00



MEN'S TLAPENO MEXICAN HARVEST HATS

High 4 Dent Crown—Genuine light weight Mexican body, flat set brim with tan binding, leather patch sweat. ½ doz. in pkg.

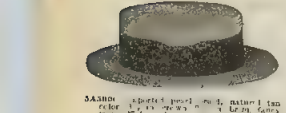
5A8841 Men's, 6¾ in brim, 10 ligne black woven band, 2 black cyclet ventilators. Assd. sizes 6¾ to 7⅞.

Doz. $4.50

MEN'S DRESS STRAW HATS

MEN'S SENNIT AND FANCY YACHTS

All have cushion sweats. Assd. sizes: 6¾ to 7⅝



5A8808—Imported pearl braid, natural tan color, 3¼ in. crown, 2¼ in. brim, 27 ligne brown woven band, imitation leather sweat, fancy paper lip with lace edge. ½ doz. in box.

Doz. $10.50

5A8900—Imported Jap fancy braid, natural tan color, 3¼ in. crown, 2¼ in. brim, 27 ligne brown woven band, imitation leather corded sweat, fancy color full paper lip, lace side lining. ½ doz. in box.

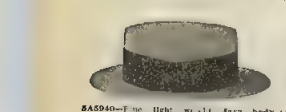
Doz. $12.00

5A8875—Imported fancy braid, natural tan color, 3¼ in. crown, 2¼ in. soft brim, 27 ligne brown woven band, imitation leather corded sweat, fancy color full paper lip, lace side lining. ½ doz. in box.

Doz. $12.00

5A8876—Imported pearl braid, bleached white, 3¼ in. crown, 2¼ in. brim, 10 ligne black woven band, imitation leather sweat, fancy color full paper lip. ½ doz. in box.

Doz. $13.50

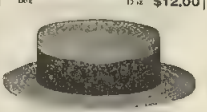


5A8940—Fine high weave Java body bleached white, 3¼ in. crown, 2¼ in. brim, 27 ligne black woven band, imitation leather sweat, full paper lip. Solid sizes or your pick of 6 to 7½. SPECIFY SIZES. ½ doz. in box.

Doz. $13.50

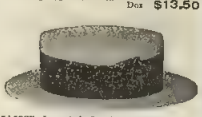
5A8901—Imported Japanese braid, bleached white, open weave, 3¼ in. crown, 2¼ in. brim, satin bow ribbon, 27 ligne black woven band, satteen tip, imitation leather sweat, lace side lining. ½ doz. in box.

Doz. $13.50



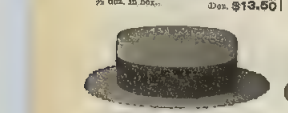
5A8877—Imported fancy rope braid, natural tan color, 3¾ in. crown, 2¼ in. brim, 27 ligne brown silk band, imitation leather corded sweat, satteen tip, lace side lining. ½ doz. in box.

Doz. $15.00



5A8937—Imported Sennit braid, bleached white, concealed stitch, 3¾ in. crown, 2¼ in. brim, new smooth edge, 27 ligne black silk band, genuine leather sweat, satin tip, lace side lining. ½ doz. in box.

Doz. $15.00

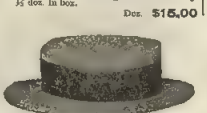


5A8941—Imported sennit braid, bleached white, new oval stitch, 3¾ in. crown, 2¼ in. brim, new smooth edge, 27 ligne black silk band, genuine leather sweat, covered satin tip. Lace side lining. ½ doz. in box.

Doz. $15.00

5A8881—Imported fancy Barkalu braid, natural tan color, 3¾ in. crown, 2¼ in. brim, 27 ligne brown silk band, genuine leather corded sweat, full colored satin tip, lace side lining. ½ doz. in box.

Doz. $16.50

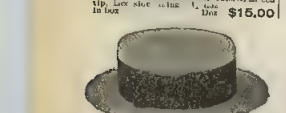


5A8882—Imported fancy Barkalu braid, natural tan color, 3¾ in. crown, 2¼ in. soft roll brim, 27 ligne brown silk band, genuine leather corded sweat, full colored satin tip, lace side lining. ½ doz. in box.

Doz. $16.50

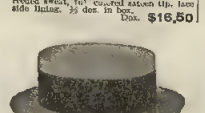
5A8945—Imported sennit braid, bleached white, concealed stitch, 3¾ in. crown, 2¼ in. brim, new smooth edge, 30 ligne black silk band, genuine leather sweat, satin tip, lace side lining. ½ doz. in box.

Doz. $18.00



5A8942—Imported sennit braid, bleached white, concealed stitch, 3¾ in. crown, 2½ in. brim, new radia edge, 30 ligne silk band, genuine leather sweat, full colored silk tip, lace side lining. ½ doz. in box.

Doz. $18.00



5A8941—Imported pearl braid, concealed stitch, bleached white, 3¾ in. crown, 2½ in. brim, new 6 ply raw cords edge, 30 ligne black silk band, genuine leather sweat, full colored satin tip, lace side lining. ½ doz. in box.

Doz. $21.00

5A8943—Imported fancy satin braid, bleached white, concealed stitch, 3¾ in. crown, 2½ in. brim, new radia edge, 30 ligne black silk band, genuine leather sweat, satin tip, lace side lining. ½ doz. in box.

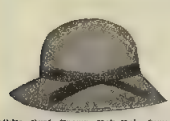
Doz. $21.00

All the goods in "Our Drummer" are subject to our regular discount of

2% FOR CASH IN 10 DAYS

WOMEN'S & CHILDREN'S STRAW HATS

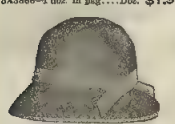
MISSES' & CHILDREN'S PEANUT AND MILAN HATS



Child's Oval Crown Rah-Rah Imported peanut body, 2½ in. mushroom brim, with tan binding, 10 ligne asstd. color silk bands.
5A5866—1 doz. in pkg....Doz. **$1.90**

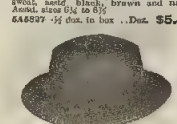
Misses' Diamond Crown—Imported peanut body, 4 in. flat brim with tan binding. 8 color butterfly design on brim
5A5860—1 doz. in pkg ..Doz. **$2.00**

Child's Cross Ridge Crown—Imported milan braid, roll brim middy, 10 ligne woven band, side bow, paper tip, leatherette sweat, asstd. black, brown and navy. Asstd. sizes 6¾ to 6¾
5A5527 -½ doz. in box ..Doz. **$5.40**



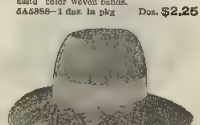
Child's 2 Dent Ridge Crown Rah-Rah—Imported peanut body, 2½ in. mushroom brim with tan binding, 10 ligne asstd. color silk bands.
5A5867—1 doz. in pkg ..Doz. **$2.00**

Misses' Round Crown—Imported peanut body, 4 in. mushroom brim with 2 color flower design, and tan binding. 18 f geo asstd color woven bands.
5A5858—1 doz. in pkg Doz. **$2.25**

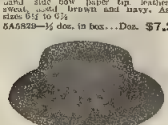


Child's Oval Crown Middy Imported milan braid, 2½ in. roll brim, 10 ligne woven band, side bow, paper tip, leatherette sweat, asstd. brown and navy. Asstd. sizes 6¾ to 6¾
5A5823—½ doz. in box....Doz. **$7.20**

Child's Round Crown Middy—Imported peanut body 2½ in. mushroom brim with tan binding. 10 ligne asstd. color silk bands.
5A5864—1 doz. in pkg . ..Doz. **$2.00**

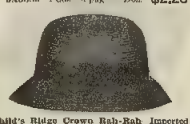


Misses' Fancy Fluted Crown—Imported peanut body 4 in. mushroom brim with asstd 2 color border designs and tan binding. 18 ligne asstd color woven ba...
5A5859—1 doz. in pkg Doz. **$2.26**



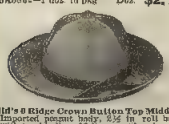
Child's Round Crown Middy—Imported milan braid, 2½ in roll brim, 10 ligne silk band, fancy bow saloon tip, lace side lining, leatherette sweat, asstd. black, navy and brown. Asstd sizes 6¾ to 6¾
5A5854—½ doz. in box .Doz. **$8.50**

Child's Ridge Crown Helmet—Imported peanut body 2¼ in. mushroom brim with tan binding. 10 ligne asstd. color silk bands.
5A5862—1 doz. in pkg Doz. **$2.10**



Child's Ridge Crown Rah-Rah Imported milan braid, mushroom brim, 10 ligne black woven band, side bow, paper tip, leatherette sweat, asstd black and brown. Asstd. sizes 6½ to 6¾
5A5826—½ doz. in box Doz. **$5.40**

Child's Double Ridge Round Crown Middy—Imported milan braid, 2½ in roll brim, 10 ligne silk band, fancy bow silk tip with lace sides, leatherette sweat, asstd black, brown and navy. Asstd sizes 6¾ to 6¾
5A5565 -½ doz in box Doz. **$9.00**



Child's 6 Ridge Crown Button Top Middy—Imported peanut body, 2½ in roll brim with tan binding, 10 ligne asstd. color silk bands.
5A5539 1 doz. in pkg Doz. **$2.10**

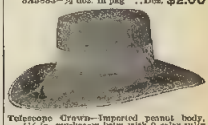
MISSES' 1 STRAW HAT

5A5823—Misses' octagon fluted crown. Imported 1 straw grass, 4 in flat brim, asstd color woven bands. 1 doz. in pkg.
Doz. **$2.15**

Child's Corrugated Crown Rah-Rah Imported peanut body 2½ in mushroom brim, 10 ligne fancy woven bands with fancy binding to match.
5A5869—1 doz. in pkg Doz. **$2.10**

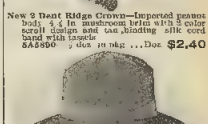
WOMEN'S PEANUT HATS

Square Crown—Imported peanut body, 4½ in mushroom brim with 2 color flower design and tan binding.
5A5883—½ doz. in pkg ..Doz. **$2.00**



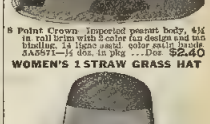
Telescope Crown—Imported peanut body, 4¼ in mushroom brim with 2 color tulip design 24 ligne fancy woven band, binding to match
5A5891—½ doz. in pkg Doz. **$2.40**

New 2 Dent Ridge Crown—Imported peanut body 4 ½ in mushroom brim with 2 color scroll design and tan binding silk cord band with tassels
5A5890 ½ doz. in pkg ...Doz **$2.40**



8 Point Crown Imported peanut body, 4½ in roll brim with 2 color fan design and tan binding. 14 ligne asstd. color satin bands.
5A5871—½ doz. in pkg ...Doz **$2.40**

WOMEN'S 1 STRAW GRASS HAT



5A5872—Imported grass body, fancy dented crown, 4½ in mushroom brim, 15 ligne asstd color woven bands.
½ doz. in pkg Doz. **$2.15**

MISSES' and WOMEN'S 3 STRAW HAT ASST.

An assortment of the latest millinery shapes that can be retailed for 10c.

5A5804—Asst consists of 2 doz each of misses' and women's round crown, square crown and 2 dent crowns, 4 in flat brims. Asstd. 6 doz in carton.
(Total $4.62) Doz. **78c**

Feature Assortment of Women's, Misses' and Children's Peanut Harvest Hats

A complete assortment selected from the best millinery sport models. For a minimum investment you get a big display of only best sellers.

5A5803 Asst consists of ½ doz each of 12 of the best selling numbers of women's, misses' and children's peanut hats, fancy sport trimmings and asstd color designs painted on brims and crowns. Asstd. 6 doz. in carton NO LESS SOLD (Total $15.60) Doz. **$2.30**

MEN'S CAPS AND HATS

The best popular priced line offered for Spring and Summer. From our observation, men's caps and hats will be big sellers this year in variety and general stores as well as in the popular priced sections of Dry Goods and Department stores

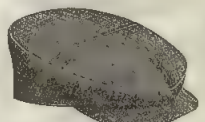
MEN'S LIGHT WEIGHT CAPS—Unbreakable Visors

Our caps are noted for the varied and handsome patterns and shades of all wool and wool mixture suitings. Attractive linings and good trimmings used throughout the entire line. The numbers are packed Asstd. sizes and well boxed.

Asstd. sizes 6¾ to 7⅞.

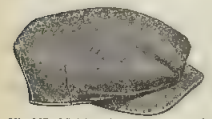
Soft Finish Cassimere—6-4 crown, assted brown, gray and blue mixed suitings, button sep, taped seams, full leather sweat.
5A3513—Assted, 1 doz. in box.
Doz. **$4.00**

Mixed Cassimere Plaited Golf—Assted brown, gray and green mixtures, 4 piece crown, colored lining, imitation leather sweat, snap button front, canvas interlined band and visor.
5A3509—Assted. 1 doz. in box
Doz. **$4.25**

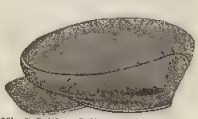


All Wool Smooth Finish Suiting—American Woolen Co's woolens, assid. patterns, 2 piece crown, English golf shape, stitched canvas visor, colored serge lining leather forehead sweat.
5A3543—Assid. ½ doz. in box.
Doz. **$5.50**

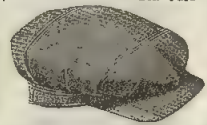
Striped Woolens—Full 1 piece crown, English model, assid. gray, brown and olive suitings, purple mercerized lining, leather forehead sweat.
5A3515—Assid. ½ doz. in box.
Doz. **$5.75**



Mixed Wool Suiting—Assid gray, brown and olive mixed cassimeres, 1 piece 8 point crown, leather forehead sweat, colored serge lining canvas visor
5A3544—Assid. ½ doz in box.
Doz. **$6.00**

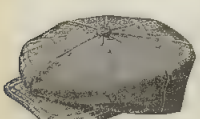


Mixed Suiting Golf—Full 1 piece crown, assid. olive, brown and gray wool mixtures, gold twill lining, leather forehead sweat.
5A3517—Assid. ½ doz. in box
Doz. **$6.75**

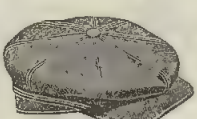


All Wool Golf—Smooth finish suiting, assid patterns, gray and brown full 3 piece crown plaited back, colored serge lining, leather sweat canvas visor
5A3542—Assid , doz in box
Doz. **$7.20**

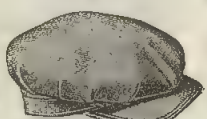
Wool Cheviot—Assid. tan, brown and gray, 1 piece crown, gilted back, colored serge lining, leather forehead sweat, stitched canvas visor.
5A3551—Assid. ½ doz. in box.
Doz. **$8.00**



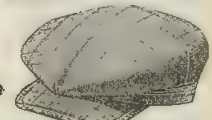
Paint Checked Suitings—Assid. gray and brown checks, 6-4 golf crown, colored serge lining, leather forehead sweat, canvas visor.
5A3546—Assid. ½ doz in box
Doz. **$8.00**



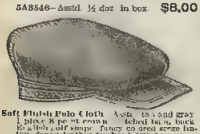
All Wool Cassimere Golf—American Woolen Co's assid dark mixtures, 6-4 crown, stitched band back, colored serge lining, leather forehead sweat, canvas visor
5A3991—Assid ½ doz. in box
Doz. **$8.00**



All Wool Tweed—Assid. gray and brown, 1 piece crown plaited back, velvet sweat, satine leather forehead sweat, stitched canvas visor
Doz
5A3547—Assid. ½ doz. in box.
$8.75



Paint Overplaid Tweed—Assid. gray and brown, 1 piece 6 point crown, gilted back, stitched band back, mercerized colored serge lining leather forehead sweat, stitched canvas visor.
5A3550—Assid. ½ doz in box.
Doz. **$8.75**



Soft Finish Polo Cloth—Assid. tan and gray, 1 piece 8 point crown, gilted back, stitched band back, golf shape, fancy colored serge lining, fancy leather forehead sweat.
5A3551—Assid. ½ doz. in box
Doz. **$10.50**

Fancy Wool Tweed—Assid. gray and brown, 2 piece 8 point crown, stitched back colored satin lining, leather forehead sweat, stitched canvas visor.
5A3553—Assid. ½ doz. in box
Doz. **$12.00**

Wool Whipcord—Assid gray, brown and tan, 1 piece crown, plaited back, stitched band, fancy 2 tone serge lining, leather forehead sweat, stitched canvas visor.
5A3554—Assid. ½ doz. in box.
Doz. **$12.00**

2 Special Values In Men's All Wool Caps

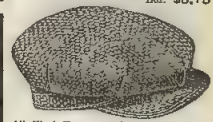
Your dollars buy greater value in these two numbers than anything else we know of on the market. These two sterling values will win many friends for you.

ALL WOOL CHEVIOTS
Gray and Tan

5A3302 Assid GRAY and TAN all wool cheviots, light weight, soft finish Full shape, 1 pc. crown, 5 box plaits and stitched band, double stitched visor, snap button front, high grade silk serge lining, leather forehead sweat, Assid. sizes 6¾ to 7¾. ½ doz. in box.
Doz. **$12.00**

ALL WOOL SERGE
Navy Blue

5A3746—American Woolen Co's all wool NAVY BLUE serge, fine weave, fast color Full shape 1 pc crown, 5 box plaits and stitched band double stitched visor, snap button front, high grade silk serge lining, leather forehead sweat Assid. sizes 6¾ to 7¾. ½ doz in box.
Doz. **$12.00**

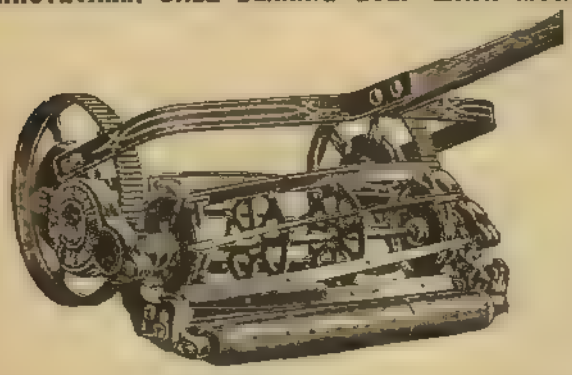


All Wool Homespun Tweed—Assid gray and brown, 1 piece golf, 8 points crown, stitched band back, silk serge lining, leather sweat, stitched canvas visor
5A3552—Assid. ½ doz in box.
Doz. **$12.00**

All Wool Shepherd Check Golf—Assid. tan, brown and gray, latest shades, 8 point 1 piece crown plain back, English golf model fancy 2 tone silk serge lining reeded leather sweat, stitched canvas visor
5A3555—Assid. ½ doz. in box
Doz. **$13.50**

Faint Plaid Light Weight Cheviot—Assid gray and tan, 1 piece 8 point crown English model, 2 colored satin lining reeded forehead sweat, stitched canvas visor 2 button front band
5A3556—Assid. ½ doz. in box.
Doz. **$15.00**

PENNSYLVANIA BALL BEARING GOLF LAWN MOWER



9½ in. drive wheels, seven crucible steel blades, self-sharpening raised edge dead knife, ball bearing, cylinder journal, 6½ in. cylinder, sectional iron roller, cuts 5/16 to 1½ in. from ground. Especially adapted for golf links and tennis courts.

Nos.	E1217	E1219	E1221
Cut, in.	17	19	21
W't, lbs.	75	80	85
Each	$54.40	60.80	67.20

ONE IN A CASE

PUTTING GREEN MOWER

WITHOUT GRASS BOX

7 in. rollers, 5 in. six-blade cylinder, crucible steel blades; self sharpening raised edge dead knife; triple gears. The hardwood roller in front can be removed and mower supportd on caster wheels if preferred. Cuts 3-16 to 1½ in This mower is unexcelled for cutting undulating or wavy greens, also tennis courts, cricket creases and other lawns requiring an exceptionally close and smooth cut. It can also be used as a border trimmer for the ordinary lawn.

Nos.	E1316	E1318
Cut, in.	16	18
Weight, lbs.	85	94
Each	$51.20	57.60

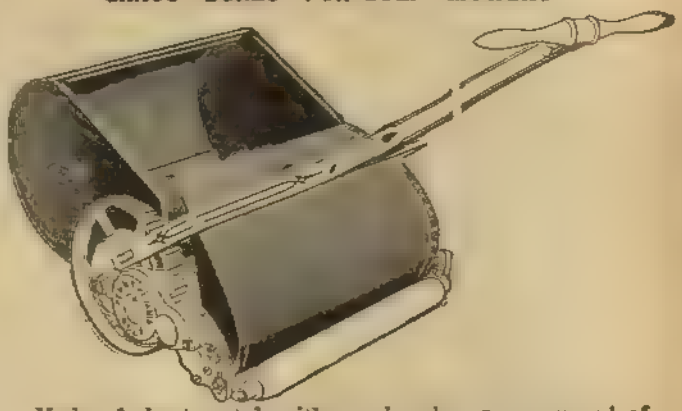
ONE IN A CASE

GRASS BOXES

Sheet metal with wood ends, for use on Pennsylvania Putting Green Mowers, easily attached and detached.

Nos.	E116	E118
Width, in.	16	18
Each	$11.70	12.00

GRASS BOXES FOR GOLF MOWERS



Made of sheet metal, with wood ends, are composed of two parts—the box proper and the shield or deflector, to deflect the grass forward into the box, for use only on Pennsylvania golf mowers, easily attached and detached

Nos.	E217	E219	E221
Inches	17	19	21
W t, lbs.	32	33	34
Each	$11.70	12.00	12.20

ONE IN A BOX

CRESTLAWN PONY

No. E30—30 in. Cut, 11 in. ball bearing driving wheels, 6 in. open cylinder, ¾ in. reel axes, four crucible steel blades, high speed reel, double drive, positive ratchet, very strong and neatly decorated, w't 120 lbs., each $45 00

ONE IN A CASE

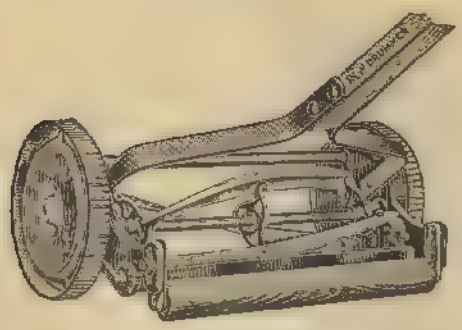
PENNSYLVANIA PONY OR TWO MAN

No. E25—25 in. Cut, large open cylinder, rear cut, 4 blades, Enos bed plate yielding bed knife, self-sharpening, shifting clutch for throwing out of gear, brass boxes, long bearings, complete with handle and draft irons, w't 153 lbs. . . . . each $100 00

ONE IN A CASE

LAWN MOWERS

THE NEW DRUMMER



Guaranteed to be the best low-priced mower ever made. Design new and attractive, very popular on account of lightness of draught. All connecting points machined to exact dimensions, shoulders milled on ends of steel cross rod to produce rigid frame. Wheels made with spoked ring, making a raised tread. Reel shaft is made of best machinery steel, 5/16 in. in diameter and has adjustable brass bushings to make up wear.

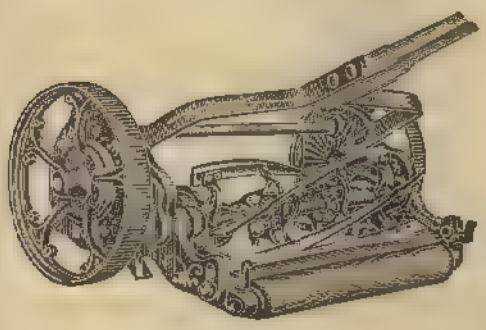
Decoration—Dark green wheels, apple green body and gold striping.

8¼ in. wheels, 3 crucible steel blades carefully tempered and self-sharpening, reel 5½ in. in diameter, ⅜ in. cross-rod, screw adjusting cutter bar, malleable iron spiders, hard maple handle and roller.

Nos.	E812	E814	E816	E818
Cut, in.	12	14	16	18
W't, lbs.	40	42	45½	48½
Each	$10.40	11.00	11.70	12.40

ONE IN A CASE

PENNSYLVANIA JUNIOR BALL BEARING

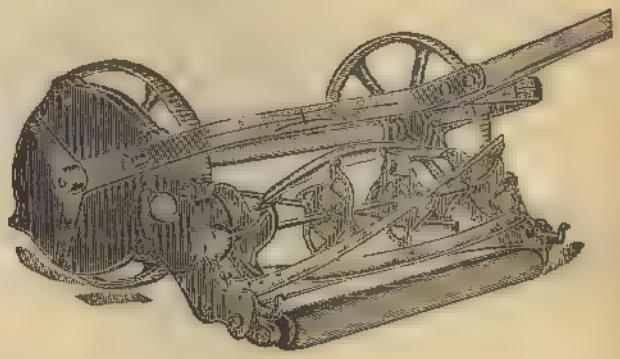


10 inch driving wheels, five tempered crucible steel blades, self-sharpening dead knife, ball bearing, cylinder journals, 6 inch cylinder, train of gears each side, hardwood roller and handle.

Nos.	E1015	E1017	E1019	E1021
Cut, in.	15	17	19	21
W't lbs.	71	74	77	80
Each	$40.50	45.90	51.30	56.70

ONE IN A CASE

PENNSYLVANIA HIGH WHEEL



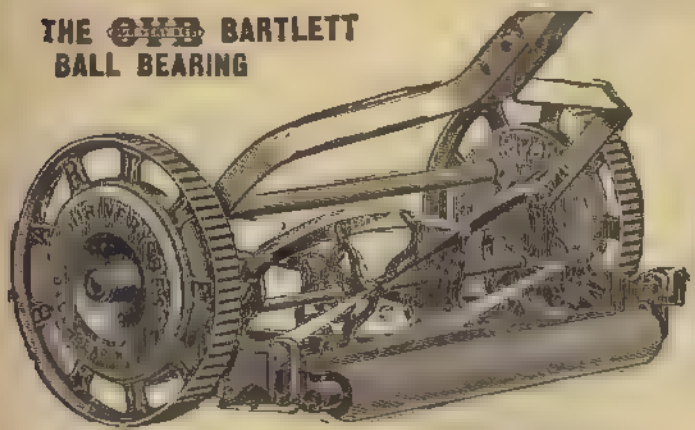
10 inch driving wheels, four crucible steel oil tempered blades, extra wide 6½ inch reel geared on one side with triple train of gears, hardwood roller and handles.

Nos.	E1115	E1117	E1119	E1121
Cut, in.	15	17	19	21
W't lbs.	78	82	85	97
Each	$40.50	45.90	51.30	56.70

ONE IN A CASE

LAWN MOWERS

THE [illegible] BARTLETT BALL BEARING



The [illegible] Bartlett was made first. Cost figured afterwards. The most successful mower we have ever known.

Every blade made of crucible steel in the old fashioned way, hardened and tempered in oil, notwithstanding the fact that it involves six to ten times as much expense as if made of Bessemer or open hearth steel.

We know of numerous instances where this machine has been running for many years without requiring regrinding or any other sharpening than that which can be done by use of a screw driver, in adjusting the under knife so that it is kept in contact with the revolving blades. This feature alone is worth the full retail price of the mower, because it will save the user the expense of sharpening.

Dust proof ball bearing equipment of machine is equal to the finest bicycle or automobile. It costs three times as much to make these parts as it does in the usual style.

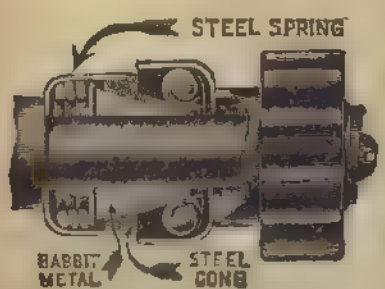
Reels are perfectly adjusted at the factory and it is rarely that adjustment is necessary. Wheel axles are of extra large size and length, made of cold drawn steel shafting. Entire machine is made in jigs on an interchangeable plan, so that if a part is broken or worn out, a duplicate which will work properly can be secured at small expense.

Decoration—Beautifully finished in gold, maroon and blue, striped to enhance color effect.

10 in. driving wheels, 6 in. reel, five highest grade crucible steel revolving knives, upturned dead knife ground on both edges. Three rel braces, 9/16 reel axle with bicycle ball bearings, ¾ in. front cross rod. Hooks for attaching grass catcher, hardwood roller and handle.

Nos.	E115	E117	E119	E121
Cut, in.	15	17	19	21
Weight, lbs.	65	67	71	76
Each	$29.70	33.80	37.80	41.80

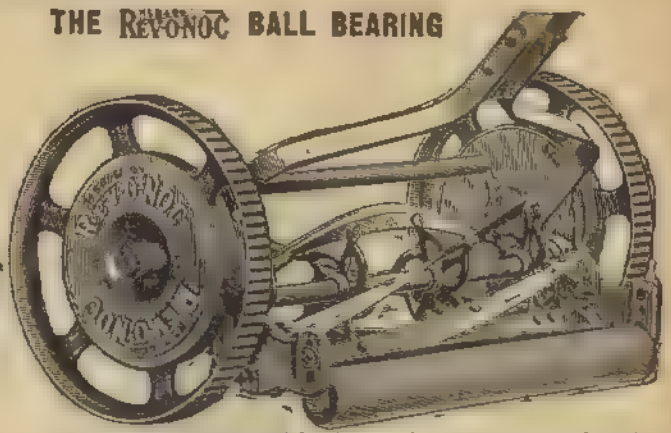
ONE IN A CASE



DESCRIPTION FOR AUTOMATIC BALL BEARING ADJUSTMENT

Automatic ball bearing adjustment consists of a case hardened steel spring, working against a collapsible sleeve, around shaft and inside cone. At the instant all wear and looseness of cone is taken up by spring, sleeve grips shaft, thus preventing any further pressure than is required by most delicate adjustment. Keeps ball bearings perfectly adjusted during entire life of mower. This patent adjustment is used on [illegible], Il-a-noy, Cruso and Paragon Mowers.

THE [illegible] BALL BEARING



Ball bearing parts of high speed steel, tempered under secret process, reel bearings equipped with new patented automatic adjustment.

A ¾ in. steel shaft and double riveted end spiders prevent reel from being sprung and add increased momentum. Five revolving blades of best crucible steel, tempered in oil, shear cut, self sharpening, and ground under water.

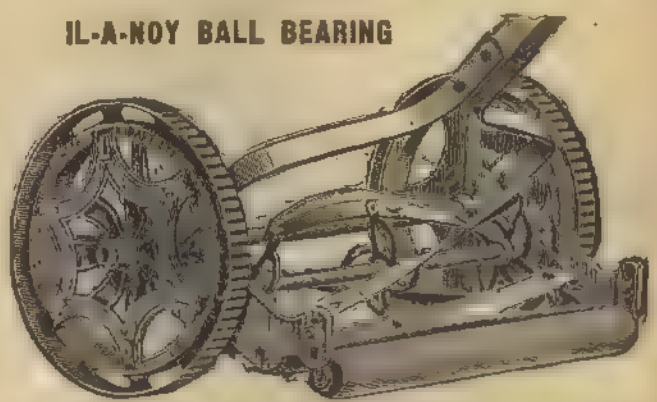
Decoration—Gold and blue striped.

11 in. drive wheels, 6 in. diam., reel ¾ in. shrub rod.

Nos.	E214	E216	E218	E220
Cut, in.	14	16	18	20
W't, lbs	59½	64	65	68
Each	$23.60	25.00	28.30	27.70

ONE IN A CASE

IL-A-NOY BALL BEARING



Very high grade ball bearing, of popular new open type construction, holes drilled through center of side plates, through which piece of steel shafting ¾ in. in diam. passes, forming both a shrub guard and an axle for wheels, enabling them to turn on steel bearings. Recesses in shafting accurately placed so that side plates are at right angles with the cutter bar, making a true "four squared" frame.

Four revolving blades of high grade steel, self sharpening and ground under water to preserve temper, reel bearings equipped with new automatic adjustment, ball bearing part of high quality cone steel, carefully hardened.

Decoration—Wheels red and gold, gold reel and bar, green side plates striped in appropriate colors.

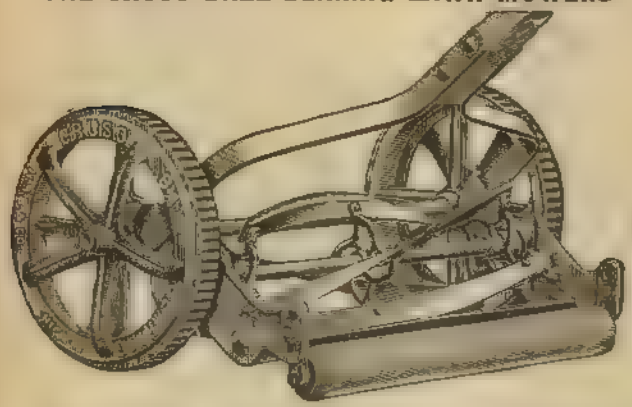
10½ in. drive wheels, 6 in. diam., reel, screw adjusted cutter bar, hardwood roller and handle laquered to protect from weather.

Nos.	E314	E316	E318	E320
Cut, in.	14	16	18	20
W't, Ibs.	57	61	64	63½
Each	$19.10	19.90	20.90	22.30

ONE IN A CASE

LAWN MOWERS

THE CRUSO BALL BEARING LAWN MOWERS



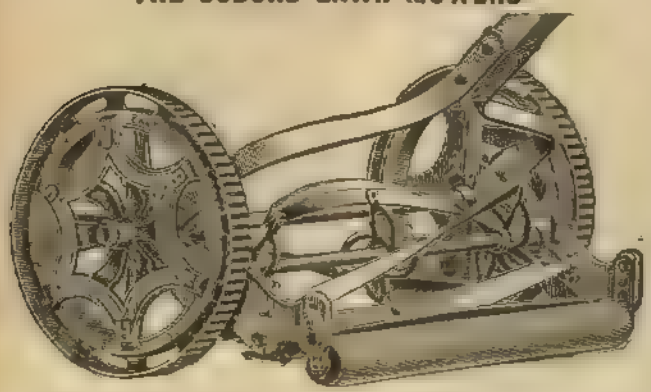
The "CRUSO," ball bearing, 9 in. wheels, four blade crucible steel reel, 5½ in. in diameter, carefully tempered and sharpened. Automatic, self-adjusting, ball bearing cones. Strongly built frame construction. A very satisfactory ball bearing mower at a low price.

Decoration—Gold and aluminum.

Nos.	E414	E416	E418
Cut, in.	14	16	18
W't, lbs.	49	51	53
Each	$16.70	17.30	17.90

ONE IN A CASE

THE SUBURB LAWN MOWERS



Without doubt the best plain bearing mower ever built. All parts accurately machined and fitted, wheels turn on steel bearings, which add to the easy running qualities of this mower. Blades of excellent quality crucible steel, water ground and self sharpening, concave edge to allow user to preserve perfect cutting edge if mower is re-ground or re-sharpened. Reel rigidly constructed and ratchet indestructible. Reel spiders and roller brackets made of malleable iron preventing possibility of breakage, bracket made with gudgeon entering roller 2¼ in. instead of an iron pin driven into roller, so that roller runs noiselessly and does not split.

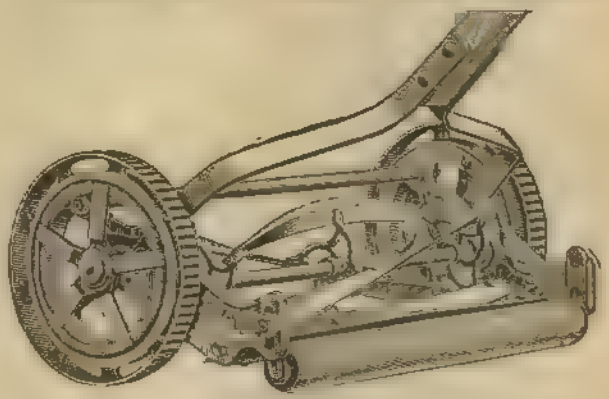
Decoration—Gold wheels, sky blue frame, silver trimmings.

10½ in drive wheels, 6 in. reel, four revolving blades, cutter bar screw adjusting, reel bearings fitted with brass bushings and a screw adjustment.

Nos.	E614	E616	E618
Cut, in.	14	16	18
W't, lbs.	52½	60	63
Each	$16.40	17.30	18.20

ONE IN A CASE

PARAGON BALL BEARING LAWN MOWERS

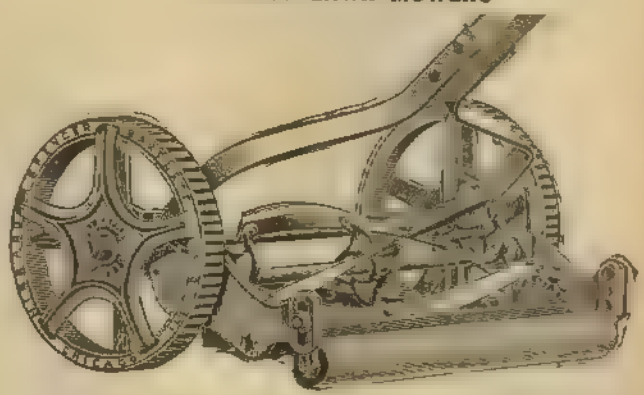


8 in. wheels, 4 crucible steel blades carefully tempered and sharpened, reel 5½ in. in diameter, self-adjusting ball bearing cones, finished in gold and aluminum with red trimmings.

Nos.	E514	E516	E518
Cut, in.	14	16	18
W't lbs.	43	45	47
Each	$15.00	15.60	16.30

ONE IN A CASE

GLENCOE LAWN MOWERS



A medium priced mower, graceful in outline, light in weight, yet strongly constructed, with best quality materials and workmanship throughout. Cutter bar bed plate planed to true surface, so stationary knife can be firmly riveted to it and have a perfect and even bearing. This together with the fact that the reel is a perfect cylinder produced by accurate grinding, insures a smooth cut lawn. Adjusting screws of cutter bar operated from top and against a finger extending from main body of bar, making it impossible to spring bar, as in adjustments where the two screws act against each other on either side of a pivotal point. Both screws being on top, it is necessary to turn mower upside down for adjusting.

Decoration—Empire red and gold bronze.

9 in. drive wheels turning on steel bearings, four revolving blades of crucible steel. Thoroughly hardened and self-sharpening, 5½ in. reel, shrub guard, reel bearings equipped with a lock nut screw device for taking up all wear.

Nos.	E714	E716	E718
Cut, in.	14	16	18
W't, lbs.	43	51	52
Each	$13 90	14.70	15.30

ONE IN A CASE

CATCHERS' MASKS

REACH

RETAIL PRICES	Each
No. SL	$5.00
No. WS	5.00
No. OE	4.00

MEN'S SIZE

Made of Extra Heavy Wire Gun Metal Enameled. Joints Well Brazed Making it Extra Strong. Known as "The Spitter." Has a Hole Directly in Front of the Mouth so Catcher can Spit. An Entirely New Idea Avoiding the Necessity of Lifting the Mask Off His Face. Made with The Patented Full-length Pads with Special Pad for Head and Chin.

Per Dozen

No. SL ..... $98.00 ---- ----

One in a box. Weight, per dozen, about 36 pounds.

MEN'S SIZE

Wide Sight Idea, which consists of the center wire being removed, enabling catcher to see as well as if he had no mask on. Specially Braced and so constructed that it will not knock out of shape. Special Heavy Wire. Black Finish. Patented Head Band. Patented Full Length Side Pads.

Per Dozen

No. WS—With Transparent Sunshade..... $98.00 ---- ----

No. OE—Without Sunshade ..... $0.60 ---- ----

One in a box. Weight, per dozen, about 36 pounds

RETAIL PRICES	Each
No. 00	$4.00
No. 10S	3.50

MEN'S SIZE

Extra Heavy Wire. Gun Metal Enameled Frame to prevent reflection. Patented Full Length Side Pads. Leather Sunshade. Patented Head Band.

Per Dozen

No. 00..... $82.00 ---- ----

One in a box. Weight, per dozen, about 27 pounds.

MEN'S SIZE

Extra Heavy Steel Wire. Gun Metal Enameled Finish to prevent reflection. Patented Full Length Side Pads. Patented Green Transparent Sunshade. Patented Head Band. Neck Protecting Attachment.

Per Dozen

No. 10S..... $70.00 ---- ----

One in a box. Weight, per dozen, about 30 pounds.

RETAIL PRICES	Each
No. 0S	$5.00
No. 20S	3.00
No. 1S	2.00

MEN'S SIZE

Extra Heavy Steel Wire Gun Metal Enameled Finish to prevent reflection Patented Full Length Side Pads. Neck Protecting Attachment. Patented Head Band.

Per Dozen

No. 0S..... $60.00 ---- ----

One in a box.
Weight, per dozen, about 30 pounds.

MEN'S SIZE

Extra Heavy Steel Wire Gun Metal Enameled Finish to prevent reflection. Patented Full Length Side Pads. Patented Green Transparent Sunshade. Patented Head Band.

Per Dozen

No. 20S—Special.. $60.00 ---- ----

One in a box.
Weight, per dozen, about 27 pounds

MEN'S SIZE

Extra Heavy Steel Wire Gun Metal Enameled Finish to prevent reflection. Patented Full Length Side Pads Patented Head Band.

Per Dozen

No. 1S..... $50.00 ---- ----

One in a box.
Weight, per dozen, about 27 pounds

CATCHERS' MASKS

REACH

RETAIL PRICES

	Each
No. 30S	$2.50
No. 2S	2.00

MEN'S SIZE

Heavy Steel Wire. Gun Metal Enameled Finish to prevent reflection. Patented Full Length Side Pads Patented Green Transparent Sunshade. Patented Head Band.

Per Dozen

No. 30S—Association..... $50.00 ---- ----

One in a box. Weight, per dozen, about 24 pounds.

MEN'S SIZE

Heavy Steel Wire. Gun Metal Enameled Finish to prevent reflection. Patented Full Length Side Pads. Patented Head Band.

Per Dozen

No. 2S..... $40.00 ---- ----

One in a box. Weight, per dozen, about 23¼ pounds.

RETAIL PRICES

	Each
No 40S	$2.00
No 50S	1.50

MEN'S SIZE

Heavy Steel Wire. Black Enameled Finish. Well Padded. Patented Sunshade. Patented Head Band.

Per Dozen

No. 40S—Regulation..... $40.00 ---- ----

One in a box. Weight, per dozen, about 21½ pounds

MEN'S SIZE

Steel Wire. Black Enameled Finish Well Padded. Patented Green Transparent Sunshade. Patented Head Band.

Per Dozen

No. 50S—Amateur..... $30.00 ---- ----

One in a box. Weight, per dozen, about 18 pounds.

RETAIL PRICES

	Each
No. 25S	$1.50
No 60S	1 50

MEN'S SIZE

Heavy Steel Wire. Bright Finish. Well Padded. Patented Head Band

Per Dozen

No. 25S..... $30.00 ---- ----

One in a box. Weight, per dozen, about 21½ pounds.

AMATEUR BOY'S SIZE

Steel Wire. Black Enameled Finish. Well Padded. Patented Green Transparent Sunshade. Patented Head Band.

Per Dozen

No. 60S—Amateur Boys'..... $30.00 ---- ----

One in a box Weight, per dozen, about 15 pounds.

CATCHERS' MASKS

REACH

MEN'S SIZE

Medium Weight Steel Wire. Bright Finish. Well Padded. Full Size.

Per Dozen

No. XX—Amateur..... **$20.00** --- ---

Quarter dozen in a package.
Weight, per dozen, about 11 pounds

RETAIL PRICES

	Each
No. XX	$1 00
No. XS	1 00

BOYS' SIZE

Medium Weight Steel Wire. Bright Finish. Well Padded.

Per Dozen

No. XS—Amateur..... **$20.00** --- ---

Quarter dozen in a box
Weight, per dozen, about 9 pounds.

MEN'S SIZE

Heavy Steel Wire. Bright Finish. Well Padded.

Per Dozen

No. 3M—Amateur..... **$15.00** --- ---

Half dozen in a box.
Weight, per dozen, about 9½ pounds

BOYS' SIZE

Heavy Wire. Well Padded.

Per Dozen

No. CM..... **$10.00** --- ---

Half dozen in a box.
Weight, per dozen, about 8½ pounds.

RETAIL PRICES

	Each
No. 3M	$ .75
No. CM	.50
No. DM	.25

BOYS' SIZE

Light Wire. Well Padded.

Per Dozen

No. DM..... **$5.00** --- ---

Half dozen in a box.
Weight, per dozen, about 6 pounds.

UMPIRES' MASKS

REACH

MEN'S SIZE

Extra Heavy Steel Wire. Gun Metal Enameled Finish to prevent reflection. Patented Full Length Side Pads. Patented Green Transparent Sunshade. Patented Head Band. Neck Protecting Attachment. Special Hinged Ear Protector.

Per Dozen

No. 4U..... **$100.00** ---- ----

One in a box. Weight, per dozen, about 36 pounds.

RETAIL PRICES

	Each
No. 4U	$6 00
No. 3U	4 50

MEN'S SIZE

Extra Heavy Steel Wire. Gun Metal Enameled Finish to prevent reflection. Patented Full Length Side Pads. Patented Green Transparent Sunshade Patented Head Band. Special Hinged Ear Protector.

Per Dozen

No. 3U..... **$88.00** ---- ----

One in a box. Weight, per dozen, about 30 pounds.

UMPIRES' BODY PROTECTORS

REACH

RETAIL PRICES	Each
No 15P	$12.00
No. SU	10.00

MEN'S

Made of Best Rubber. Covered with Gray Mixed Cloth. Specially Designed. Patented Shoulder Pads for Protection of Collar Bone. Elastic Straps 1¼ inches Wide. To Inflate

Each
No. 15P..... $22.00 --- ---
One in a box. Weight, each, about 4 pounds.

SULLIVAN

Invented by Billy Sullivan of the Chicago (White Sox) American League Club. Made of Army Khaki. Chambers or Reeds Padded with Deer Hair. Extra Pads over the Shoulder. Laced Edge. Adjustable Elastic Straps 1¼ inches Wide.

Each
No. SU—Men's..... $18.00 --- ---
One in a box. Weight, each, about 3 pounds.

CATCHERS' BODY PROTECTORS

REACH

RETAIL PRICES	Each
No. 10P	$25.00
No SP	16.00

PROFESSIONAL MODEL

Made of Best Rubber. Covered with Heavy White Duck. Silk Bound. Specially Designed. Elastic Straps 1 inch Wide. To Inflate. Used by American and National League Catchers.

Each
No. 10P—Men's..... $20.00 --- ---
One in a box. Weight, each, about 2¾ pounds.

SULLIVAN

Invented by Billy Sullivan of the Chicago (White Sox) American League Club. Made of Army Khaki. Chambers or Reeds Padded with Deer Hair. Extra Pads over the Shoulder. Laced Edge. Adjustable Elastic Straps 1¼ inches Wide.

Each
No. SP—Men's..... $18.00 --- ---
One in a box. Weight, each, about 3 pounds.

RETAIL PRICES	Each
No. 5P	$8.00
No 6P	7.00

PROFESSIONAL MODEL

Made of Best Rubber. Covered with Olive Cloth. Elastic Straps 1 inch Wide. To Inflate.

Each
No. 5P—Men's..... $15.00 --- ---
One in a box. Weight, each, about 3 pounds

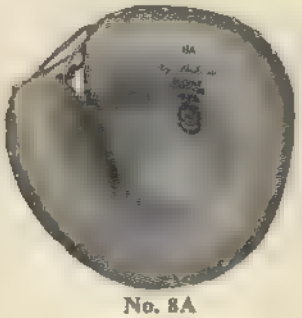
PROFESSIONAL MODEL

Made of Best Rubber. Covered with Heavy White Duck. Elastic Straps 1 inch Wide. To Inflate.

Each
No. 6P—Men's..... $12.00 --- ---
One in a box. Weight, each, about 2¾ pounds.

REACH CATCHER'S MITTS

No. 12A



No. 8A

No. 41

No. 12A. The double face mitt. Made of a perfect selection of dark brown horse hide. Leather welted, double stitched seams. Rolled leather binding. Two faces, each moulded from a single piece of leather, give double wear and perfect catching ability. King patent lacing device holds padding firmly in place and the Reach hood fast back permits, after adjustment, removal of glove without handling the straps. The lacing between thumb and face of mitt permits formation of a pocket of any depth. Special felt padding.

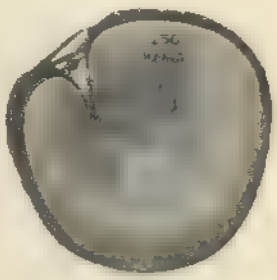
No. 8A. Professional moulded model. Finest selection of golden grain, horse hide. Leather welted, double stitched seams. Rolled leather binding. Hand formed asbestos felt padding. Professional style trap lacing at thumb. Strap and buckle at wrist with buckle protector.

No. 41. Full moulded model. High grade dark brown horse hide. Double stitched seams. Rolled leather binding. Leather lacing. Strap and buckle at wrist with hand protector. Trap lacing at thumb for adjustment to form pocket. Best quality felt padding, hand formed.

No.	Packed	Weight	Each
12A	1	2¼ lbs.	$15.00
8A	1	2¼ lbs.	13.50
41	1	2¼ lbs.	10.00

No. 31

No. BP



No. 150

No. 31. Moulded style. Black horse hide. Rolled leather binding. Leather lacing. Felt padded strap and buckle at wrist with hand protecting device. Trap lacing between thumb and face.

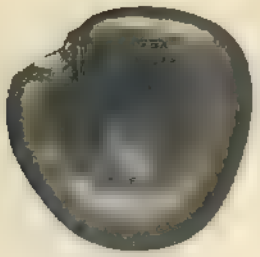
No. BP. Deep pocket moulded style. Cream horse hide face and fingers, brown mitten leather back. Leather laced edge. Carefully padded. Strap and buckle at wrist with hand protecting device. Trap lacing between thumb and face.

No. 150. Full size regulation model. Beru tan horse hide face and fingers, black horse hide back and strip. Leather laced edge. Good padding. Strap and buckle at wrist with hand protector. Trap lacing at thumb.

No.	Packed	Weight	Each
31	1	2 lbs.	$7.00
BP	1	2 lbs.	5.00
150	1	1¾ lbs.	3.80

ALBANY HARDWARE & IRON CO.

REACH CATCHER'S MITTS



No. 75X

No. 65X

No. 75X. Full size. Black horse hide face and fingers, cream horse hide back, black leatherette strip. Bound edge. Laced thumb. Strap and buckle wrist.

No. 65X. Youth's size. Cream horse hide face and fingers, black horse hide back, leatherette strip. Bound edge. Laced thumb. Strap and button at wrist.

No.	Packed	Weight	Each
75X	3	4 lbs.	$1.50
65X	6	6¾ lbs.	1.00

REACH BASEMEN'S MITTS

No. 4B

No. 4B. Genuine cream horse hide. Laced glove thumb model. Hand formed padding. Leather binding and lacing. Strap and buckle at wrist. Trap thumb lacing

No. 2R

No. 4R. Choice ecru horse hide. Carefully padded. Strong leather binding. Leather laced. Strap and buckle at wrist. Trap lacing at thumb

No. 4R

No. 2R. Black horse hide. Hinge padding. Leather laced. Strap and buckle at wrist. Trap thumb lacing. Regulation size

No. FB

No. FB. Genuine horse hide leather face and back. Khaki lining. Carefully padded. Bound edge. Youth's size.

No.	Packed	Weight	Each
4B	1	18 oz.	$5.00
4R	1	22 oz.	3.50
2R	1	19 oz.	2.50
FB	1	12 oz.	1.00

Models of Mitts and Gloves change frequently, our stock is up-to-date

REACH FIELDER'S GLOVES

No. ARB

No. ECA

No. 01

No. 00W

No. ARB. Deep, wide palm, big thumb, long wrist form the best kind of catching pocket. Easy closing fingers flop over the ball. Oil tanned horse hide, pearl glove leather lined. Leather welted diverted seams. Leather binding. Accurately fitted, hand made padding. Adjustable trap lacing between thumb and first finger.

No. ECA. Regulation model. Oil treated horse hide, special pearl glove leather lining. Padding made for and fitted in each individual glove. Trap lacing allows adjustment of pocket depth. Diverted type, leather welted seams. Laced wrist. Rolled leather binding.

No. 01. Oil treated brown horse hide, glove leather lining. Lacing adjustment between thumb and first finger forms deep, natural pocket. Leather welted seams and rolled leather binding. Laced wrist.

No. 00W. Brown grain oil treated horse hide. Leather lined, binding and welting. Laced wrist. Wide web thumb. Hand formed felt padding with deep, natural pocket.

No.	Packed	Weight	Each
ARB	1	17 oz	$8.50
ECA	1	17 oz.	8.50
01	1	20 oz	5.00
00W	1	20 oz	4.00

No. 3G

No. 2GL

No. 10G

No. 56

No. 3G. Oiled brown grain horse hide. Full leather lining. Leather welted seams. Laced wrist. Medium padding in heel, light padding in pocket.

No. 2GL. Dark brown grain horse hide. Full leather lining. Welted seams. Laced wrist to allow a change of padding.

No. 10G. Mahogany tan horse hide. Full leather lining. Laced wrist permits adjustment of padding.

No. 56. Black horse hide. Leather palm lining. Felt padding. Leather binding. Men's size.

No.	Packed	Weight	Each
3G	1	14 oz.	$3.50
2GL	1	14 oz	3.00
10G	1	12 oz	2.00
56	1	12 oz	1.50

No. 4G

No. 4G. Cream horse hide. Khaki lined, with leather palm. Medium padded heel. Deep pocket. Youth's size.

No. 24. Horse hide. Felt lined palm. Padded heel. Outseam model. Boy's size.

No.	Packed	Weight	Each
4G	1	6 oz.	$1.00
24	6	24 oz.	.50

No. 24

ALBANY HARDWARE & IRON CO.

REACH CATCHER'S MASKS

No. JP

No. 6W

No. SL

No. 20S

No. JP. Frame made of one solid piece of light weight, special composition metal, lighter than wire frame. Greater expanse of vision and less shadow. Full length, adjustable and removable face padding laced to frame

No. 6W. Double frame with cantilever reinforcement wires of finest tempered steel Sides extended to protect ears. Strap and buckle adjustment of padding. "Spitter" and open vision features.

No. SL. Heavy tempered steel wire frame reinforced at joints Extended sides protect ears. Adjustable pads fastened to frame by straps and buckles. Adjustable head straps

No. 20S. Tempered steel wire frame, reinforced at joints. Open vision Adjustable head straps and leather pads. Removable, transparent sun shade

No.	Packed	Weight	Each
JP	1	2¾ lbs.	$13.50
6W	1	3 lbs.	8.00
SL	1	2¾ lbs.	7.00
20S	1	2¼ lbs.	5.00

No. 30S

No. 40S

No. XX

No. 3M

No. CM

No. 30S. Extra strength steel wire frame, welded joints Open vision Adjustable pads and head straps Removable sun shade

No. 40S. Strong steel wire. Open vision. Leather pads and adjustable head straps Removable sun shade

No. XX. Black enameled steel wire. Leather face and chin pads. Adjustable head straps.

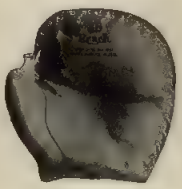
No. 3M. Black enameled steel wire. Leather face pads. Adjustable head strap. Youth's model.

No. CM. Gun metal finish steel wire. Leather face pads. Adjustable head strap. Boy's Special.

No.	Packed	Weight	Each
30S	1	2 lbs.	$4.00
40S	1	1½ lbs.	3.00
XX	3	3½ lbs.	2.50
3M	6	6 lbs.	2.00
CM	6	5¾ lbs.	1.50

FIRST BASEMEN'S MITTS

REACH



RETAIL PRICE	Each
No. 3B	$4.00

SPECIAL MODEL

Made of Brown Reaco Calfskin. The New Hinged Thumb Model. Fits Hands like a Glove The Newest Style in a Baseman's Mitt. Patented Lacing Device Laced Thumb. Inside Hump. Deep Pocket. Padded with Best Asbestos Felt. Hand Formed Pad. Strap and Buckle at Wrist.

Per Dozen

No. 3B Men's Size..... **$50.00** ---- ----

One in a box. Weight, per dozen, about 17 pounds.

RETAIL PRICES	Each
No. 4S	$4.00
No. 4P	4.00

SPECIAL MODEL

Made of Brown Reaco Calfskin. Patented Lacing Device. Laced Thumb. Leather Bound. Inside Hump. Deep Pocket Patented, Hinged, Asbestos Felt, Hand Formed Pad. Adjustable Leather Strap from Thumb to Body of Mitt. Strap and Buckle at Wrist.

Per Dozen

No. 4S—Men's Size..... **$78.00** ---- ----

One in a box. Weight, per dozen, about 17 pounds.

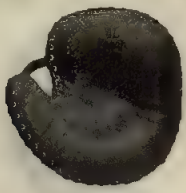
SPECIAL MODEL

Made of Black Reaco Calfskin. Patented Lacing Device. Laced Thumb. Leather Bound Inside Hump. Deep Pocket. Patented, Hinged, Asbestos Felt, Hand Formed Pad. Adjustable Leather Strap from Thumb to Body of Mitt. Strap and Buckle at Wrist.

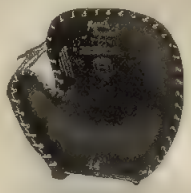
Per Dozen

No. 4P—Men's Size..... **$78.00** ---- ----

One in a box. Weight, per dozen, about 17 pounds.



RETAIL PRICES	Each
No. 4L	$3 00
No 44	3 00



SHUTTER

Made of Selected Olive Calfskin. Patented Lacing Device All Around. Laced Thumb Leather Bound. Inside Hump. Deep Pocket. Patented, Hinged, Asbestos Felt, Hand Formed Pad. Laced Thumb Connection. Strap and Buckle at Wrist.

Per Dozen

No. 4L—Men's Size..... **$58.00** ---- ----

One in a box. Weight, per dozen, about 13¼ pounds.

SPECIAL MODEL

Specially Tanned Olive Reaco Calfskin. Patented Lacing Device All Around. Laced Thumb Leather Bound Inside Hump Deep Pocket. Patented, Hinged, Asbestos Felt, Hand Formed Pad. Laced Thumb Connection. Strap and Buckle at Wrist

Per Dozen

No. 44..... **$58.00** ---- ----

One in a box. Weight, per dozen, about 13¼ pounds.

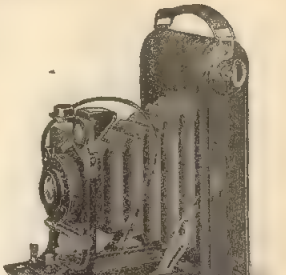
Reach Mitts are endorsed by the prominent players of all Leagues. Made in Rights and Lefts.

"Seneca Chief" Roll Film Cameras

Nos. 1A and 2C. For Any Roll Film of Standard Make

The Camera De Luxe—the Last Word in Camera Efficiency

The Seneca Chief is a handsome, well made Camera. It was made with the idea of providing the very best possible in hand cameras and is furnished in two sizes: No. 1A takes pictures 2½x4¼ inches. The No. 1C takes pictures 2⅝x4⅞ inches. This Camera is noteworthy on account of its superior construction and unfailing ability to get pictures. Equipped with the "Kwikset" focusing lever which is so simple that accurate focusing can be done by the most inexperienced photographer.



Details—No. 1A for rectangular pictures, 2½x4¼ inches. No. 2C, 2⅝x4⅞. Capacity No. 1A, 12 exposures; **No. 2C,** 10 exposures, without reloading. **Weight, No. 1A,** 24 ounces; **No. 2C,** 26 ounces. **Dimensions of Cameras, No. 1A,** 3⅝x8¼x1⅝; **No. 2C,** 4⅛x8⅝x1⅝. **Camera,** aluminum, genuine leather covered. Front, rising and falling, operated by rack and pinion, also lateral slide. **Bellows,** genuine Russia leather. **Film Chamber,** hinged removable, with spool pins. Tripod Sockets, two. **View Finder,** brilliant, collapsible, cleanable, with spirit level attached. **Lens,** rapid symmetrical, speed, f 8, No. 1A, 5¼-inch focus. No. 2C, 5⅝-inch focus. Woolensak Anastigmat, speed, f 7.5, No. 1A 5¼-inch focus. No. 2C, 6⅛-inch focus. Woolensak Anastigmat speed, f 6.3, No. 1A 5¼-inch focus. No. 2C, 6¼-inch focus. **Shutter,** Victo or Autic Automatic (dustproof) and Optimo Automatic extra speed (dustproof). Manual of Photography and Instruction Book.

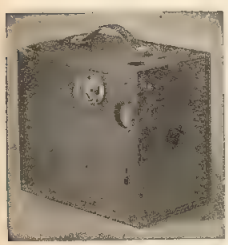
Prices

	No. 1A Picture Size 2½x4¼ Ins.	No. 2C Picture Size 2⅝x4⅞ Ins.
	5+6421	5+6422
Seneca Chief with Rapid Symmetrical Lens, speed f 8, and Victo (dustproof) Automatic Shutter	$41.65	$43.15
	5+6423	5 6424
Seneca Chief, with Rapid Symmetrical Lens, speed f 8, and Autic (dustproof) Automatic Shutter	$44.75	$46.50
	5+6425	5+6426
Seneca Chief with Woolensak Anastigmat Lens, speed f 7.5 and Victo Automatic (dustproof) Shutter	$51.40	$53.00
	5+6427	5+6428
Seneca Chief, with Woolensak Anastigmat Lens, speed f 7.5, and Autic Automatic (dustproof) Shutter	$54.75	$56.35
	5+6429	5+6430
Seneca Chief with Woolensak Anastigmat Lens, speed f:6.3, and Optimo Automatic extra speed (dustproof) Shutter	$82.90	$91 00
	5+6431	5+6432
Black Leather Carrying Case, with strap	$6.05	$6.80

For Films for Above Cameras, See Page 263

Ansco Buster Brown Box Cameras

For Any Roll Film of Standard Make



Nos. 2, 2A, 2C and 3

The Box Buster Brown line is designed with special reference to the wants, capabilities and aims of boys and girls. These cameras are essentially for snapshot photography, requiring no focusing. They are practical instruments in every respect and will produce the best work demanded within their scope. They are made of well-seasoned, well finished and well-assembled wood throughout. The trimmings are heavily nickel-plated and polished, and the box covered with seal grain composition leather.

They are equipped with the Meniscus Achromatic lens (except the No. 2, which has a simple Meniscus lens) and shutter contained within the box and provided for time and instantaneous pictures. The lens has diaphragms with three different sized openings. There are two ground glass finders for horizontal and vertical picture. Noiseless winding.

Prices

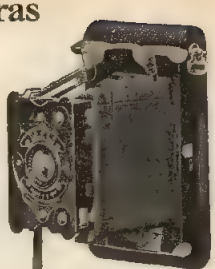
5 6433	Buster Brown No. 2, Size of Picture, 2¼x3¼	$4.60	5+6437	Buster Brown No. 2C, Size of Picture, 2⅝x4⅞	$8.25
5 6434	Carrying Case for above	2.25	5+6438	Carrying Case for above	2.65
5+6435	Buster Brown No. 2A, Size of Picture, 2½x4¼	6.45	5+6439	Buster Brown No. 3, Size of Picture, 3¼x4¼	8.25
5+6436	Carrying Case for above	2.65	5+6440	Carrying Case of above	2.65

For Films for Above Cameras, See Page 263

Seneca Roll Film Cameras

For Any Roll Film of Standard Make

The Vest Pocket Seneca



The Vest Pocket Seneca is a practical little Camera combining simplicity, compactness and real picture-taking ability. It takes pictures measuring 1⅝x2½ inches.

Getting good pictures with the Vest Pocket is easy. Open the protecting door, pull out the front which automatically locks in the correct position and the Camera is ready for work. No focusing or estimating distances is necessary; every object six feet or more from the lens will be sharp and clear in the picture.

Details: For rectangular pictures 1⅝x2½ inches. Capacity, 8 exposures without reloading. Dimensions of camera, 1x2¾x4⅞ inches. Weight, 8 ounces. Focus, fixed, always set. Lens, Meniscus achromatic, rapid rectilinear anastigmat F 7.5 or anastigmat F 6.3. Shutter, trio (dustproof) automatic for time, bulb or instantaneous exposures of 1/25, 1/50 and 1/100 part of a second. Bellows, genuine leather. Frame, aluminum. Trimmings, nickel plated, fine grain leather covering. View finders, two brilliant.

Prices

5+6384	Vest Pocket Seneca with Meniscus Achromatic Lens	$14.90
5+6385	Vest Pocket Seneca with Rapid Rectilinear Lens	16.15
5 6386	Vest Pocket Seneca with Anastigmat Lens, speed F 7.5	19.85
5+6387	Leather Carrying Case	2.40

No. 1 Seneca Junior Camera

Makes Rectangular Pictures 2¼x3¼ Inches

The No. 1 Seneca Junior Camera has the handsome, compact construction of the Vest Pocket and takes a much larger picture. The picture size, 2¼x3¼ inches, is ideal.

A special feature of the Junior is the Kwikset focusing bar used in focusing the speedy Anastigmat models. A slight pressure of the thumb and forefinger on this bar quickly and accurately focuses the lens for near, medium or far distance. This device insures sharp, clear-cut negatives.

The f.6.3 Junior is a Camera for extreme speed work. For athletic events, horse races or for pictures of any swiftly moving objects, it is at its best. The f:7.5 lens gives 20% more speed than ordinary camera lenses of the Rapid Rectilinear type. F:6.3 is 61% faster than the Rapid Rectilinear Lenses.

Details: For rectangular pictures 2¼x3¼ inches. Capacity, 6 exposures without reloading. Dimensions of camera, 1⅝x5¼x6¾. Weight, 14 ounces. Focus, fixed, always set. Lens, Meniscus achromatic rapid rectilinear, Wollensak and Optimo shutter anastigmat F 7.5, Wollensak and Optimo shutter anastigmat F 6.3. Shutter, trio (dustproof) for time, bulb or instantaneous exposures of 1/25, 1/50, 1/100 part of a second. Bellows, genuine leather. Trimmings, nickel plated, fine grain genuine leather covering. Frame, aluminum. View finders, two brilliant.

Prices

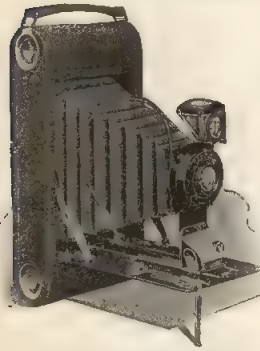
5+6388	No. 1 Seneca Junior with Meniscus Achromatic Lens	$16.60
5+6389	No. 1 Seneca Junior with Rapid Rectilinear Lens	18.30
5+6390	No. 1 Seneca Junior with Anastigmat Wollensak Lens, speed F:7.5	28.25
5+6391	No. 1 Seneca Junior with Anastigmat Wollensak Lens, speed F:6.3	31.45
5+6392	Leather Carrying Case	4.00

For Films for Above Cameras, See Page 263

Seneca Folding Cameras

Folding Scout Camera, Nos. 2A—2C—3—3A

For Any Roll Film of Standard Make



To thousands of amateurs who had been forced to the box style on account of the limitations of the purse, the Folding Scout has permitted the pride of owning an upright round end model. Its appearance and convenience at the low cost will continue to invite the attention of thousands of others. Its record as a good picture maker is enviable. It is simple in operation, but sure in its results. The construction is of aluminum with reinforced wood sides in order to secure compactness with a minimum of weight. Seal grain leatherette, waterproof and more durable even than genuine leather, is attached permanently to the body. The genuine leather covering of the bed gives the neat appearance of the more expensive models. Absolute rigidity to the front standard is obtained by the method of attaching it to the substantial brass track.

Detail of Equipment

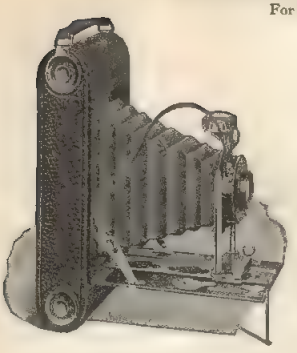
No. 2A for rectangular pictures 2½x4¼. **No. 2C**, 2½x4¼. **No. 3**, 3¼x4¼. **No. 3A**, 3¼x5½ (postcard). **Dimensions—No. 2A**, 2x3⅜x8½. **No. 2C**, 2x4¼x9¾. **No. 3**, 2x4½x9¾. **No. 3A**, 2x4½x10¾. **Weight, No. 2A**, 24 ounces. **No. 2C**, 27. **No. 3**, 30. **No. 3A**, 30. **Camera**, aluminum with reinforced sides, covered with black waterproof leatherette, seal grain. **View Finder**, collapsible brilliant, reversible. Tripod Sockets. Film chambers, with spool pins. **Bellows**, genuine Russia leather. **Lens**, Meniscus Achromatic or Rapid Rectilinear. **Shutter**, Trio (dustproof) Automatic for Time, Bulb or Instantaneous expsoures of 1/25, 1/50, 1/100 part of a second. This style of shutter is fitted with push cord release. Manual of Photography and Instruction Book.

Prices of Cameras	No. 2A 2¼x4¼	No. 2C 2½x4¼	No. 3 3¼x4¼	No. 3A 3¼x5½
Folding Scout and Meniscus Achromatic Lens and Trio Automatic Shutter	5+6393	5+6394	5+6395	5+6396
	$21.50	$24.80	$21.50	$29.00
Folding Scout with Rapid Rectilinear Lens and Trio Automatic Shutter	5+6397	5+6398	5+6399	5+6400
	$24.80	$28.25	$24.80	$32.30
Black leatherette carrying case	5+6401	5+6402	5+6403	5+6404
	$4.00	$4.00	$4.45	$4.45

For Films for Above Cameras, See Page 263

Seneca Roll Film Cameras

For Any Roll Film of Standard Make



Nos. 1 and 1-A Folding Seneca

These two popular models differ only in the size of the picture they make. Both cameras are favorites with the discriminating amateur and embody every improvement for the successful making of pictures. Aside from the wide range of capabilities found in each of these compact instruments, both embody simplicity in every operation. As featured in the higher priced Senecas, these models are remarkable for their durability, limited weight and beauty in design. The aluminum bodies are covered with the best grade of seal grain leather, all metal fittings being highly nickeled. Either 12 or 6 exposure film cartridges may be used, thus giving added advantage to the tourist. An assortment of optically corrected lenses, with Seneca automatic (dustproof) shutters fitted with push cord releases, completes an equipment for all requirements.

Detail of Equipment

No. 1 Roll Film Seneca, for rectangular pictures 2¼x3¼; **No. 1A**, 2½x4¼. **Dimensions of No. 1,** 2x3⅝x7½, **No. 1A,** 2x3⅞x8½. **Weight, No. 1,** 36½ ounces, **No. 1A,** 31½ ounces. **Camera,** Nos. 1 and 1A, aluminum, leather covered, seal grain. Front, rising and falling, operated by rack and pinion. **View Finder,** brilliant reversible with hood and spirit level attached. Tripod Sockets, two. Film chambers, improved with spools pins. **Focal capacity,** No. 1, 4½ inches, No. 1A, 6½ inches. **Bellows,** genuine Russia leather. **Shutter,** No. 1, Uno or Autic (dustproof) automatic, No. 1A, Uno, Trio or Autic, all (dustproof) automatic. **Lens,** Meniscus Achromatic, Rapid Rectilinear or Rapid Symmetrical, speed f.8. Manual of Photography and Instruction Book.

Prices of Cameras

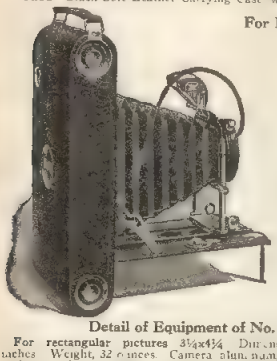
No. 1—Size of Picture, 2¼x3¼

5+6405	With Meniscus Achromatic Lens and Trio Automatic Shutter	$28.00
5+6406	With Rapid Rectilinear Lens and Trio Automatic Shutter	31.20
5+6407	With Rapid Symmetrical Lens and Autic Automatic Shutter	34.75
5+6408	Black Sole Leather Carrying Case with strap	5.65

No. 1A—Size of Picture, 2½x4¼

5+6409	With Meniscus Achromatic Lens and Trio Shutter	$28.15
5+6410	With Rapid Rectilinear Lens and Trio Shutter	31.20
5+6411	With Rapid Rectilinear Lens and Autic Automatic Shutter	34.75
5+6412	Black Sole Leather Carrying Case with strap	5.65

For Films for Above Cameras, See Page 263



Nos. 3 and 3-A Folding Senecas

For Any Roll Film of Standard Make

Same General Description as the Nos. 1 and 1A Folding Senecas. Either the Meniscus Achromatic or the Rapid Symmetrical lens may be depended upon for clear pictures; the Rapid Symmetrical being somewhat more carefully corrected. The Rapid Symmetrical Lens allows snapshots under light conditions when the Meniscus Achromatic would require a time exposure. All the shutters are dustproof and automatic and have the push cord release.

The body of the camera is aluminum with reinforced wood sides; all the trimmings are substantial brass nickel plated and the covering is genuine seal grain leather.

Detail of Equipment of No. 3

For rectangular pictures 3¼x4¼. Dimensions, 8 4x4½x2 inches. Weight, 32 ounces. Camera aluminum, leather covered, seal grain. Front rising and falling, operated by rack and pinion. View Finder Brilliant reversible with hood and spirit level attached. Tripod Sockets, two. Film chambers improved with spool pins. Focal Capacity, 6 inches. Bellows genuine Russia leather. Shutter, Uno or Autic Automatic (dustproof). Lens Meniscus Achromatic or Rapid Symmetrical speed f.8. Manual of Photography and Instruction Book.

Detail of Equipment of No. 3-A

For rectangular pictures 3¼x5½. Dimensions, 9¾x4½x2 inches. Weight 37 ounces. Camera aluminum, leather covered seal grain. Front rising and falling operated by rack and pinion. View Finder, Brilliant reversible with hood, spirit level attached. Tripod sockets, two. Film Chambers improved with spool pins. Focal Capacity, 7 inches. Bellows genuine Russia leather. Shutter, Trio or Autic Automatic (all dustproof). Lens, Meniscus Achromatic or Rapid Symmetrical speed f.8. Manual of Photography and Instruction Book.

Prices of Cameras

No. 3—Size of Picture, 3¼x4¼

5+6413	With Meniscus achromatic lens and trio automatic shutter	$28.15
5+6414	With rapid symmetrical lens and trio automatic shutter	31.20
5+6415	With rapid symmetrical lens and Autic automatic shutter	34.75
5+6416	Black sole leather carrying case with strap	6.05

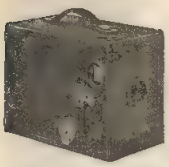
No. 3A—Size of Picture, 3¼x5½ (Post Card)

5+6417	With Meniscus achromatic lens and Trio automatic shutter	$36.50
5+6418	With rapid symmetrical lens, speed F.8 and Trio automatic shutter	39.75
5+6419	With rapid symmetrical lens, speed F.8 and Autic automatic shutter	43.15
5+6420	Black sole leather carrying case with strap	7.25

For Films for Above Cameras, See Page 263

Seneca Box Cameras No. 2—2A—2C Scout

For Any Standard Make of Film Cartridge



The Scout is a real Camera that exactly suits the boy or girl and yet appeals to older people as well. These rugged little instruments have such wonderful capabilities and are so simple to operate that perfectly satisfactory pictures can be made just as easily by the children as by the grown-ups. Picture making is easy and certain with the Scout Cameras. There is no distance to judge when making an exposure, as the Meniscus Achromatic Lens is fixed focus and will make a clear, sharp, picture over the entire film to its extreme margins, and the reliable Scout automatic Shutter provides for either instantaneous snaps or time exposures.

Unusual convenience is found in loading the Scout Camera, as the method is a new and easy one. The film chamber is held in the Camera by a most secure and simplified locking device. Upon releasing one draw clasp and two clamp clips, the film chamber can be easily withdrawn, loaded, returned to place and firmly locked in an instant.

These durable and inexpensive picture making instruments, made entirely of wood and metal, are the lightest and most compact upon the market. There may be higher priced cameras, but, considering their low cost, none better. They are made by the same workmen who turn out the higher priced Senecas.

Leatherette furnishes a waterproof as well as a durable covering. The attractive trimmings are of substantial brass with a heavy nickel plating.

Both finders are accurately and securely adjusted to show what objects will appear in the picture.

Detail of Equipment

Winding Key—Improved and noiseless.

Shutter—Automatic for time or instantaneous exposures.

View Finders—Two for horizontal or vertical pictures.

Diaphragm—One on No. 2 size and three on the No. 2A and No. 2C.

Film Chambers—Improved, quick loading.

Covering—Seal grain leatherette.

Dimensions—No. 2, 3⅝ x 4⅛ x 5⅜ in. No. 2A, 3½x5¼x6 inches. No. 2C, 4⅛x6⅞x6⅛ inches.

Weight—No. 2, 12 ounces. No. 2A, 17 ounces, No. 2C, 21 ounces. (Actual wt.)

Capacity—No. 2, six exposures without reloading. No. 2A, twelve exposures. No. 2C, ten exposures.

Lens—Fixed focus Meniscus first grade on the No. 2 Meniscus Achromatic. Achromatic Lens on No. 2A and 2C.

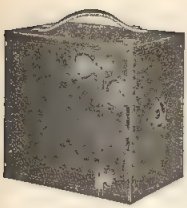
Prices of Cameras

5+6375	No. 2 Scout for pictures 2¼x3¼ inches..	Each, **$4.35**
5+6376	No. 2A Scout for pictures 2½x4¼ inches.	Each, **6.15**
5+6377	No. 2C Scout for pictures 2⅞x4⅛ inches	Each **7.80**
5+6378	Carrying Case, Leatherette, for No. 2 and 2A	Each, **1.55**
5+6379	Carrying Case, Leatherette, for No. 2C..	Each, **1.90**

For Films for Above Cameras, See Page 263

Seneca Box Cameras Nos. 3 and 3A Scout

For Any Standard Make of Film Cartridge



This model is made for the 3¼x4¼ and the popular postcard size pictures and combines all the simplicity of the smaller sizes.

The camera itself is fixed focus—always ready to take a picture. The lens is not only carefully selected, but carefully adjusted in each camera. The shutter is carefully designed to eliminate the difficulties of ordinary shutters, it runs over a flat metal plate, and has a patented device to prevent double exposures. Sand and dust are kept out by a dust hood, which comes close to the revolving disk. It can be loaded and unloaded in daylight. The method of loading allows the entire film chamber to be removed from the side and every movement of the operation to be visible to the eye and easy to perform.

The Scout is the lightest, most compact and most substantial camera upon the market. It is not a pasteboard toy, for it is made entirely of wood and metal, and the durable leatherette covering with nickeled brass trimmings gives it a handsome appearance. Suitable for old or young and just the thing to complete the pleasure of that holiday afternoon.

Detail of Equipment

Dimensions—No. 3 4½x5¼x5⅞ inches. No. 3A, 4¾x6½x6¾ inches.

Weight—No. 3, 20 ounces. No. 3A, 26 ounces.

Capacity—No. 3, 6 or 12 exposures. No. 3A, 6 or 10 exposures.

Lens—Nos. 3 and 3A, fixed focus Meniscus, first grade.

Shutter—Automatic improved for time or instantaneous exposures.

View Finders—Two, for horizontal or vertical pictures.

Prices of Cameras

5+6380	No. 3 Scout for pictures 3¼x4¼ inches.....	Each, **$7.90**
5+6381	No. 3A Scout for pictures 3¼x5½ inches (postcard)	Each, **8.30**
5+6382	Carrying Case for No. 3 Cameras, Leatherette	Each, **1.90**
5+6383	Carrying Case for No. 3A Cameras, Leatherette	Each, **2.40**

For Films for Above Cameras, See Page 263

Sessions Clocks

No. 5 CANDLESTICKS.
Price, per Pair, $4.95
10½ in. High, 5 in. Base.
Solid Mahogany, Rich
Rubbed Finish.

MONTREAL (CHIME).
9¼ in. High, 22 in. Long. Price, $32.65
8-Day. Two Toned Chime. Harmony Half-Hour Strike.
Hand Carved Solid Mahogany Case. 6 in. Porcelain Dial.
Silver Bezel with Gold Plated Sash. Convex Glass.

No. 3 CANDLESTICKS.
Price, per Pair, $7.65
8 in. High, 4½ in. Base
Solid Mahogany, Rich
Rubbed Finish.

TIVOLI.
9¼ in. High, 17¾ in. Long. Price, $27.50
8-Day. Cathedral Gong. Hour and Half Hour Strike.
Solid Mahogany Case. Hand Carved Scrolls. 6 in. Porcelain Dial.
Silver Bezel with Gold Plated Sash Convex Glass.

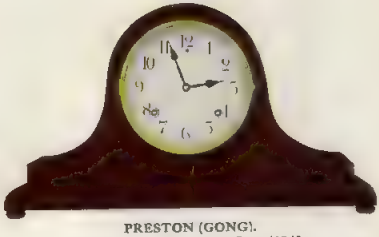
TILTON.
11¾ in. High, 20 in. Long. Price, $28.60
8-Day. Cathedral Gong. Hour and Half-Hour Strike.
Solid Mahogany Case, Rich Polished Finish. Hand Carved.
6 in. Porcelain Dial. Silver Bezel with Gold Plated Sash. Convex Glass.

TAMBOUR.
10¾ in. High, 19 in. Long. Price, $27.50
8-Day. Cathedral Gong. Hour and Half-Hour Strike.
Solid Mahogany or Fumed Oak Case, Rich Finish. Hand Carved Scrolls.
6 in. Porcelain Dial. Silver Bezel with Gold Plated Sash. Convex Glass.

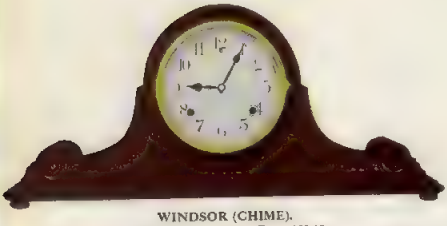
TRAYMORE.
10 in High, 20½ in. Long. Price, $27 50
8-Day. Cathedral Gong. Hour and Half-Hour Strike.
Solid Mahogany Case, Rich Finish. Hand Carved Scrolls.
6 in. Porcelain Dial. Silver Bezel with Gold Plated Sash. Convex Glass.

Sessions Clocks

WALTON (CHIME).
9½ in. High, 21½ in. Long. Price, $23.15
8-Day Two Toned Chime Harmony Half-Hour Strike.
Rich Mahogany Finished Case. 6 in. Porcelain Dial.
Silver Bezel with Gold Plated Sash. Convex Glass.



PRESTON (GONG).
10¼ in. High, 18 in Long Price, $17 10
8 Day Cathedral Gong. Hour and Half-Hour Strike.
Hand Polished Mahogany Finished Case. 6 in. Porcelain Dial.
Silver Bezel with Gold Plated Sash. Convex Glass.



WINDSOR (CHIME).
10 in. High. 22 in Long Price, $23.15
8-Day. Two Toned Chime Harmony Half-Hour Strike.
Rich Mahogany Finished Case. 6 in. Porcelain Dial.
Silver Bezel with Gold Plated Sash. Convex Glass

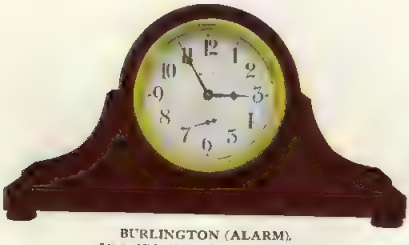
DE LUXE (GONG).
9¾ in. High, 17 in. Long Price, $17.45
8-Day Cathedral Gong. Hour and Half-Hour Strike
Hand Polished Mahogany Finished Case. Hand Carved.
6 in. Porcelain Dial. Silver Bezel with Gold Plated Sash. Convex Glass.

WENDELL (CHIME.)
9½ in. High, 21 in. Long. Price, $23.15
8-Day. Two Toned Chime. Harmony Half-Hour Strike.
Hand Carved, Rich Polished Mahogany Finished Case.
6 in. Porcelain Dial. Silver Bezel with Gold Plated Sash. Convex Glass.

WEBSTER (GONG).
9½ in. High, 21½ in. Long. Price, $18.00
8-Day. Cathedral Gong. Hour and Half-Hour Strike
Rich Mahogany Finished Case. Hand Carved.
6 in. Porcelain Dial. Silver Bezel with Gold Plated Sash. Convex Glass.

Sessions Clocks

No. 1 CANDLESTICKS.
Price, per Pair, $3.20
4¾ in. High, 3 in. Base.
Solid Mahogany, Rich
Rubbed Finish.



BURLINGTON (ALARM).
7½ in. High, 13¾ in. Long. Price, $10.50
8 Day Lever Time Movement with Alarm. 4½ in. White Dial.
Rich Mahogany Finished Case.

No. 2 CANDLESTICKS.
Price, per pair, $5.85
4¾ in. High, 3½ in. Base.
Solid Mahogany, Rich
Rubbed Finish.

SMALL 16.
5 in. High, 5 in. Long. Price, $7.80
8-Day Lever Time Movement. 2½ inch Porcelain Dial.
Solid Mahogany, Hand Rubbed Finish Case.

SMALL 17.
4¾ in. High, 9½ in. Long. Price, $9.55
8-Day Lever Time Movement. 2½ in. Porcelain Dial.
Solid Mahogany Case. Hand Rubbed Finish.

SMALL 4.
4¾ in. High, 9¾ in. Long. Price, $9.55
8 Day Lever Time Movement. 2½ in. Porcelain Dial.
Solid Mahogany Case. Hand Rubbed Finish.

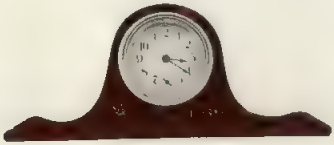
SMALL 3.
5 in. High, 9¾ in. Long. Price, $9.80
8-Day Lever Time Movement. 2½ in. Porcelain Dial.
Solid Mahogany Case, Hand Carved. Rich Rubbed Finish

SMALL 5.
4¾ in. High, 4¾ in. Long. Price, $7.00
8-Day Lever Time Movement. 2½ in. Porcelain Dial.
Solid Mahogany Case. Hand Rubbed Finish.

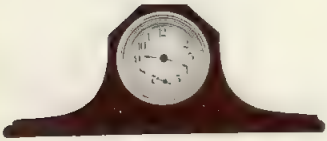
SMALL 2.
4¾ in. High, 9¾ in. Long. Price, $9.55
8-Day Lever Time Movement. 2½ in. Porcelain Dial.
Solid Mahogany Case. Rich Hand Rubbed Finish.

Sessions Miniature Tambour Clock Assortment

FAVOR.



FERN.



FAY.

FAWN.

FLIRT.

FANTASY.

Price, - - $4.40 each.

A Most Attractive Mahogany Finished Inexpensive Clock Assortment.

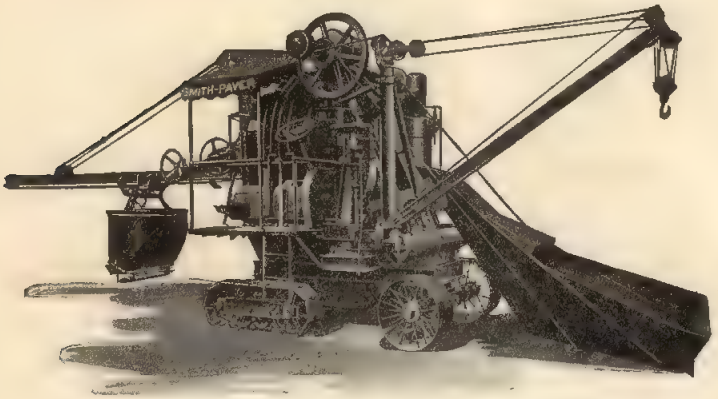
Every Clock is 8 inches Long 3 1-2 inches High

Fitted with dependable Cut Pinion 30 Hour Movement

Has Satin Silver Finished Bezel with Beveled Glass and Clear White 2 inch Dial

Packed either 6 or 12 to an Assortment.

Smith Paving Mixers



Smith 14-E Paving Mixer with Gasoline Engine,
Water Cooling Tank, Boom and Bucket, Caterpillar Traction, All-steel Ball-bearing Derrick.

EXCLUSIVE SMITH FEATURES
Highest Drum Design

Low over all height (12 feet, 9 inches for 21-E) so that it passes under bridge and trolley wires.

Boom seven feet from ground—bucket holds more than full batch.

Steep angle for distributing chute.

Simple control for swinging of boom and chute.

Gears all enclosed.

Double pivotted loading skip, attaining a 55 degree discharge angle to insure quick, clean discharge.

Automatic skip brake, which prevents dropping of skip, except when released by lever.

All-steel, ball-bearing derrick, built as a unit of the paver itself, not depending upon extra wheels for support—for use with batch boxes and industrial cars. Stays in alignment, does not become jammed—The only efficient derrick made.

End-to-center mixing action—speediest and most thorough.

Clean discharge from drum.

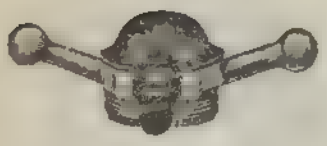
The world's record of 779 linear feet of 16 foot road, 8 inches thick, was made by a 21-E Smith Paving Mixer.

Write us for full descriptive Catalog.

RADIATOR CAPS

SNAPPY

For Ford Cars



Shows Cap Closed

Shows Top Open Ready to Fill

Quick Filling Radiator Cap, Not Necessary to Screw Off Radiator Cap to Put Water in Radiator. Top Has Spring Hinge Which Opens Automatically When Released. Strong Clamp Holds Top Down When Driving. Ball Tip Style Radiator; Cap, 5½ inches Wide Made of Special Heavy Alloy Metal; Highly Polished.

Per Dozen

No. SRC—Weight Each, ½ lb..... **$20 00**

Twelfth Dozen in a Box

Made of Special Alloy Metal; Highly Polished; Length, 5 inches

Per Dozen

No. BF—Weight Each, 4 ozs..... .$8.00

Twelfth Dozen in a Box

Made of Heavy Phosphor Bronze and Heavily Nickel Plated; Ball Tip; Length, Over All, 6½ inches.

Per Dozen

No. B2—Weight Each, ¾ lb..... **$10 00**

Twelfth Dozen in a Box

HUB CAPS

For Ford Cars

ALUMINUM

Neat and Ornamental, Shows Up Fine On a Ford Car Made of Special Hard Metal and Highly Polished.

Per Dozen

No. 85—Weight Each 2 ozs..... .$4 50

Loose

Made of Steel; All Nickel Plated Finish.

Per Dozen

No. 2819—Weight per Dozen, 6 lbs.....$2.40 1.80

Loose

RADIATOR ORNAMENTS

Made of Highly Polished Aluminum with Hole Drilled Ready to Attach. Measures 10 inches from Tip to Tip.

Per Dozen

No. 10W—Weight Each, 2 ozs..... **$9.00**

Loose

Made of Highly Polished Aluminum with Hole Drilled Ready to Attach. Measures 13½ inches from Tip to Tip.

Per Dozen

No. 13½W—Weight Each, ¼ lb..... ..$13.20

Loose

RADIATOR EMBLEMS

To Attach to Radiator Caps

SPREAD EAGLE

Per Dozen

No. 5419—Nickel Plated Finish; Height, 4 inches, Width 7 inches; Weight per Dozen 5 lbs..... .....$40 00

One Dozen in a Box

SHRINER TIGER CLAW

Per Dozen

No. 8085—Nickel Plated Finish; Height, 4 inches; Width, 2¾ inches; Weight per Dozen, 5 lbs..... .....$40.00

One Dozen in a Box

RED CROSS

Per Dozen

No. 8063R—Nickel Plated Body, Red Enameled Cross; Height, 3 inches, Width, 3 inches; Weight per Dozen, 5 lbs.....$40.00

One Dozen in a Box

MOTO-METERS

BOYCE

Indicates When Unseen Parts Lack Lubrication, When Cooling Water is Getting Low, or When There is An Overheated Condition Anywhere Throughout the Mechanism to Cause A Great Trouble, Expense and Repair Bill. Can Be Attached to Any Radiator Cap in Ten Minutes.

DE LUXE MODEL

This Model is All That the Name Implies. Having Been Designed for the Highest Grade Passenger Cars; The Temperature Tube is One-Half inch in Diameter, Having a Broad Column of Red Liquid, Readable at a Great Distance. The Case is Silver Plated, and the Finish of the Entire Instrument is of the Highest Quality of Workmanship. Glass Protected Face; Size, 3⅝x5¾ inches.

Complete with Schlaich Moto-Meter Lock.

		Each
No. D—De Luxe Model; Weight Each, 20 ozs.	**$22 50**	15.00

One in a Box

STANDARD MODEL

A Perfect Heat-Recording Instrument of the Highest Type, With Extremely Broad Ribbon-Bore Thermometer Tube; Because of its Perfection of Workmanship, the Standard Model Has Been Selected as Regular Equipment on America's Leading Cars; Glass Protected Face, Size, 3⅜x5½ inches.

		Each
No. 1B Standard Model; Black Enamel Finish With Nickel Retaining Rings; Weight Each, 1 lb.	**$15 00**	10 00
No. 1N—Standard Model; All Nickel Finish; Weight Each, 1 lb.	**15 00**	10.00

One in a Box

Car Name Plates in Stock

We Can Furnish Without Charge to All Purchasers of De Luxe or Standard Model Boyce Moto-Meters, Special Name Plates for the Following Cars:

Buick	Cadillac	Cole	Hudson	Jordan
Marmon	National	Stutz	Willys-Knight	

UNIVERSAL MODEL

Slightly Smaller Than the Standard Model, Finished in All Nickel. A Very Beautiful Instrument; Beveled Crystal Glass Protected Face Adds to its Appearance; Size, 3x5 inches.

		Each
No. 4B—Universal Model	**$11 25**	7.50
No. 4BD Universal Model—Special With Dodge Name Plate; Weight Each, 12 ozs.	**11 25**	7.50

One in a Box

JUNIOR MODEL

This Model is Extremely Handsome in Appearance and Appeals Strongly to Owners of Cars of Medium Size; The Frame of This Instrument is Heavily Nickel Plated and it Has the Same Range of Temperature as the Standard and Universal Models. Open Face Type; Size, 3x4⅜ inches.

		Each
No. 2B—Junior Model; Weight Each, 8 ozs.	**$7 50**	5 00

One in a Box

MIDGET MODEL

Designed Along the Lines of the Higher-Priced Models; Fully Nickel Plated and Fitted With Beveled Crystals and Retaining Rings, Front and Back; Size, 2⅜x4 inches.

		Each
No. M—Midget Model; Weight Each, 6 ozs.	**$5 25**	3.50

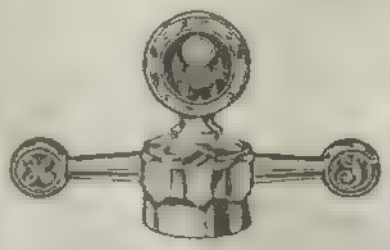
One in a Box

SPECIAL FORD MODEL

This Model is Designed Especially for Use on Ford Cars. It Has a Broad Thermometer Tube Which is Easily Readable Even at a Distance; It is Provided with Beveled Crystals Both Front and Rear and is Finished in Polished Nickel; The Special Ford Cap With Which it is Equipped Makes it An Ideal Instrument; Size, 2⅜x4 inches.

		Each
No. MF—Special Ford Model; Weight Each, 8 ozs.	**$6 00**	4 00

One in a Box



ARISTOCRAT MODEL FOR THE FORD

Moto-Meter is the Same as Special Ford Model; Equipped with a Special Schlaich Lock Cap Which Not Only Prevents Theft, But Also Serves as a Handsome Ornament.

		Each
No. MD—Special Ford Model; With Schlaich Lock Cap; Weight Each, 1¼ lbs.	**$10 50**	7 00

One in a Box

TRUCK AND TRACTOR MODEL

The Truck and Tractor Model Boyce Moto-Meter Has Been Designed Especially for Severe Service Conditions, Such as for Use on Trucks and Tractors; Diameter of Thermometer Tube is One-Half inch, Making Breakage Practically Impossible. Frame of the Instrument is Very Substantial, and the Thermometer Tube Thoroughly Protected; Casing is Nickel Plated and, the Tube Has a Broad Red Column of Indicating Liquid, Easily Seen Regardless of Dust Conditions Often Met With in Truck and Tractor Service. Size, 2⅜x1¾ inches.

		Each
No. TTB—Truck and Tractor Model; Weight Each, 1 lb.	**$15.00**	10 00

One in a Box

Item Marked ✣ Not Carried in Stock, Can Only be Furnished by Shipping Direct from Factory, Long Island City, N. Y.

MOTO-METERS

BOYCE

DISTANCE TYPE

For Mounting on Dash Board of Car

This Dashboard Type Boyce Moto-meter is Especially Designed for Installation Where the Radiator Type Instrument Cannot be Installed on a Line With the Operator's Vision, as on Airplanes, Motor-Boats, Stationary Engines, Laboratory Testing Purposes, Trucks, Tractors, and Automobiles. Radium Treated Dials, Making Them Easily Readable at Night. Black Enamel or Nickel Plated Case (3⅛ inches in Diameter); Nickel Plated Rings; Beveled Crystals. Temperature Range from 32° to 212° F. Complete with Five Feet of Heavy Tubing, and Hose Coupling or Flange.

	Each
✣No. H—Distance Type; Weight Each, 1⅛ lbs. $16.80	12.00

One in a Carton

In Ordering, Always Advise Size of Radiator Hose (Inside Diameter)

MOTO-METERS

BOYCE

SPECIAL NAMEPLATE INFORMATION

We Can Accept Orders From Car Distributors, Dealers and Agents for Universal Model with Car Design Name Plates Only IN ANY QUANTITY. Discounts, Will be Dependent on the Quantity Purchased.

Any Dealer Who Places an Order for Fifty (50) or More Boyce Moto-Meters Any One Model (Excepting Midget or Special Model for Ford), One Delivery and on a Non-Cancellable Order, Will be Furnished with a Special Nameplate Without Extra Charge, Showing the Nameplate Design of the Car, Together with the Dealer's Name and Address.

Should the Dealer Handle More than One Make of Car and Not Care to Place a Separate Order for Each Car Design, He Can Procure a Special Nameplate Showing His Name and Address Only.

EXTRA SPECIAL EXCLUSIVE DESIGN NAMEPLATES

We Can Furnish Boyce Moto-Meters with an Exclusive Individual Design Nameplate, Incorporate Any Design or Special Inscription Desired to Any Dealer Who Places an Order for One Hundred (100) or More, Any One Model (Excepting Midget or Special Model for Ford), with One Design of Nameplate, to be Taken in One Delivery.

MOTO-METER LOCKS

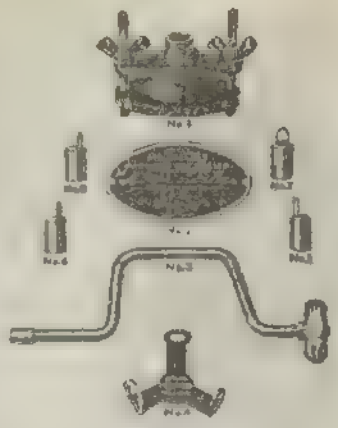
BOYCE

The Schlaich Universal Lock for Boyce Moto-Meters Will Positively Prevent the Theft of the Radiator Cap and Boyce Moto-Meter. It is Simple in Construction, Needs no Key, Can be Installed by Any One in a Few Minutes, as it Requires no Drilling nor Mechanical Work of Any Nature. Permits the Unscrewing of Cap as Usual for Filling of Radiator, but it Does Not Allow its Removal from Car. Consists of Nozzle, Channel Bar, and Ring All Made of Solid Brass, the Nozzle Being Connected to Channel Bar by Flexible Nickel Plated Brass Chain, Making the Entire Device Impervious to Rust.

		Each
No. 2—⅝ inch; for Standard and Universal Models.....	$2.70	1.80
No. 3—¼ inch; for Junior and Ford Models.....	2.70	1.80
No. 4—Special; for Overland Types.....	2.30	1.50

One in a Carton Weight Each, 1 lb

RADIATOR CAP DRILLERS



BOYCE

Our New Radiator-Cap Driller Outfit Greatly Simplifies the Installation of Boyce Moto-Meters, Making it Easier for You and Quicker for Your Waiting Customer. It Holds the Radiator-Cap Securely Against Rotation, and Enables You to Center the Hole Perfectly. You Run No Risk of Chipping and Splitting the Surface as with the Ordinary Twist Drill. There is a Drill for Every Model. The Outfit Includes:

Cap Driller Fixture; Wall Plate (with Full Instructions); Special Brace; Boyce Moto Meter Wrench; ⅞ inch Drill, ⅝ inch Drill; Overland Reamer; ¾ inch Drill

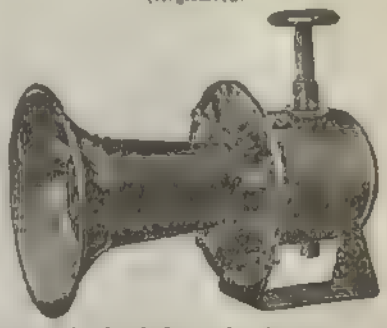
	Each
No. BD—Complete Outfit; Weight Each, 5½ lbs.....	$13.00

One in a Carton

HAND HORNS

★GOOD SERVICE

(Registered)



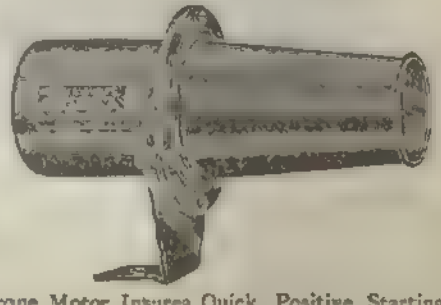
This is a High Grade Hand Horn with Good Lines, Very Penetrating Sound, Well Made and Thoroughly Reliable, Made of Finest Materials by Expert Horn Makers; The Push Rod Works Easily and Smoothly; Internal Gears Hung to Withstand All Jars and Road Shocks Without Damages.

	Each
No. GSH—All Black Enamel, Diameter of Bell, 4¾ inches; Length of Bell, 4½ inches; Length Over All, 8 inches; Weight Each, 5 lbs.	$5.50

One in a Box

ELECTRIC HORNS

TROJAN



High Torque Motor Insures Quick, Positive Starting; Eliminating "Stalling Motor"; Special Adjustment Feature from Rear Without Removing Cover; Light Simple Type; Adapted with Universal Bracket and Can be Installed on Ford or Any Other Make of Car.

	Each
No. TA—6 Volt; All Black Enameled; Weight Each, 2½ lbs.	$6.50

One in a Carton

Items Marked ✣ Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory, Long Island City, N. Y.

KLAXON HORNS

KLAXON 12-A

This Model Klaxon is the Smallest Dependable Horn on the Market. It is the Lightest in Weight. It is Equipped with Universal Bracket and can be Easily Installed Under the Hood of Any Make of Car Comes Without Wires or Push Button

		Each
No. K612A—All Black 6 Volts; Weight Each, 6¾ lbs.	**$13.35**	10 00
No. K1212A—All Black, 12 Volts; Weight Each, 6¾ lbs.	**13 35**	10 00

One in a Box

FORD MODEL

Can Also be Used on Any Car Having 6 Volts and Single Wire System

		Each
No. K612AF—All Black, Weight Each, 6¾ lbs	**$13 35**	10 00

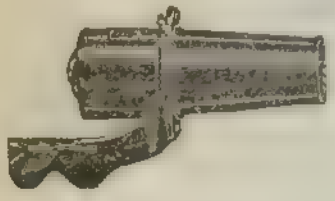
One in a Box

KLAXON 8

This Model is Built on the Same Principles as the Model 12-A, but Slightly Smaller in Size. It is Just as Dependable, as it Gives a Sharp, Powerful Note of Warning, With One Touch of the Button. 4½ inch Diaphram; 7 inch Projector; 11 inches Over All

		Each
No. K8—All Black; 6 Volts, Weight Each, 6 lbs.	**$10 00**	7.50

One in a Box



KLAXON 5—FORD MODEL

Fits All Ford Cars that Come Equipped with Storage Battery Complete with Bracket Ready to Mount. Wiring, Push Button, Etc Not Included.

		Each
No. K5F—All Black; 6 Volt; Weight Each, 5 lbs.	**$7 35**	5 50

One in a Box

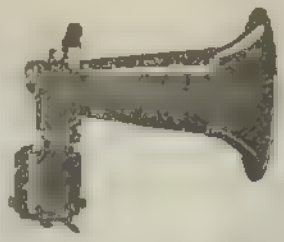
With Double Wiring System to Fit Any Model Car, Furnished With Regular Flat Bracket.

		Each
No. K5D—All Black 6 Volts; Weight Each, 5 lbs	**$7 35**	5 50

One in a Box

KEEPING EVERLASTING AT IT IS A GOOD POLICY IN ITS WAY BUT IT IS NECESSARY TO USE MAIL ORDERS AND HAVE THE GOODS. IT IS THE DOING AND NOT THE THINKING ABOUT IT THAT COUNTS. ORDER BY MAIL TODAY. DONT JUST INTEND TO. THE DEALER WHO KEEPS HIS STOCK OF AUTOMOBILE ACCESSORIES IN SHAPE BY USING MAIL ORDERS IS IN A POSITION TO GIVE HIS TRADE REAL SERVICE.

KLAXON HORNS



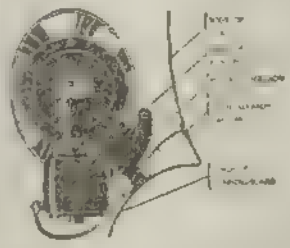
KLAXON 20L

This is the Long Projector Type Horn and the Most Popular and Best Selling Klaxon. Can be Attached to Either Right or Left Hand Side of Car. To Change from Right to Left Hand Side, Remove Cover Screws and Turn to Left. Complete with Push Button and 10 feet of Double Insulated Cord.

		Each
No. K20L—All Black; 6 Volts; Weight Each, 20 lbs.	**$40.00**	30.00

One in a Box

KLAXON 20—CADILLAC



For 1921 and Earlier Cadillac Cars

		Each
No K20LC—All Black; 6 Volts; Weight Each, 20 lbs.	**$40 00**	30.00

One in a Box

KLAXON 16—CADILLAC

Especially Designed for Use on the Cadillac "61." Compact Sturdy and Powerful—Can be Mounted in Place of Signal Furnished as Original Equipment in a Few Minutes.

		Each
No. K16—All Black; Weight Each, 8½ lbs.	**$33.35**	25 00

One in a Box

KLAXON 3V

Has the True Klaxon Warning Note; Operates on a Vertical Push Rod Principal.

		Each
No. K3V—All Black; Weight Each, 8 lbs.	**$6 65**	5.00

One in a Box

KLAXON 3—MOTORCYCLE

Made to be Used on Motorcycle or Bicycle. Has the True Klaxon Warning Note; Operates by Pressing Push Rod; Short Projector.

		Each
No. K3MF—All Black; with Bracket for attaching to Frame, Weight Each, 5 lbs.	**$6 35**	4.75

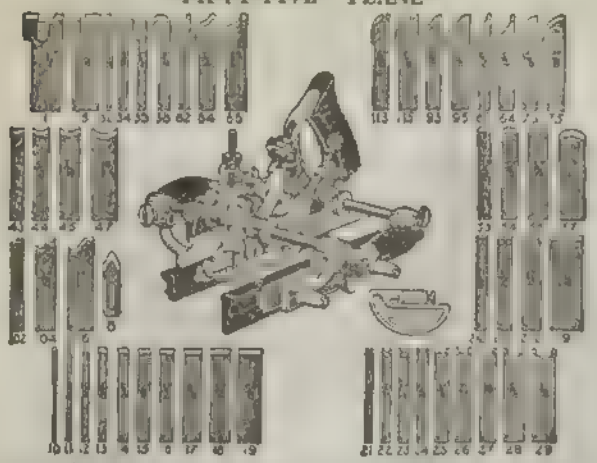
One in a Box

Whenever Electric Klaxon Horns are Wanted with Voltage Other than as Shown, We Can Furnish Same by Shipping Direct from Factory

COMBINATION PLANES

STANLEY

"FIFTY-FIVE" PLANE



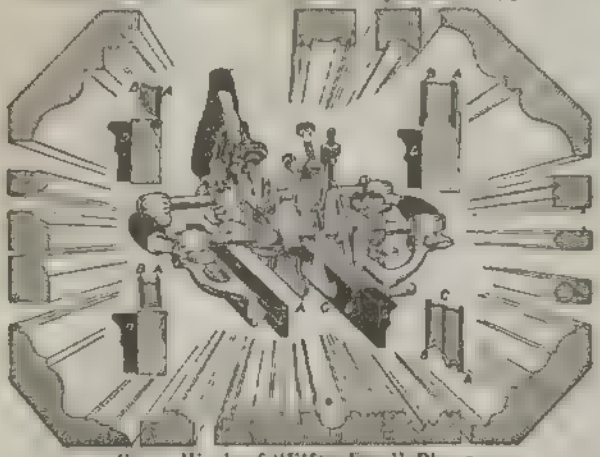
This Tool, in Addition to Being a Beading and Center Beading Plane, a Plow, Dado, Rabbet, Filletster, and Match Plane, a Sash Plane and a Slitting Plane, is also a Superior Moulding Plane, and will Accommodate Cutters of Almost any Shape and Size. In fact, it is "A Planing Mill Within Itself."

The Regular Equipment Sent with the Plane Comprises Fifty-two Cutters, all of which are Shown in the Cut. These Cutters, Together with the Plane and all its Attachments, are Packed in a Neat Steel Box.

All Metal Parts of the Plane are Nickel Plated. The Handle and Fences are Made of Selected Rosewood, and Every Part is Well Finished.

Each

No. 55—Nickel Plated, With 52 Cutters, Weight Each 15¼ lbs. . . . **$43 50**



Some Work of "Fifty-Five" Plane

The Samples of Work Illustrated, Show Some of the Mouldings that can be Made with Cutters Regularly Furnished with this Plane.

When it is Considered, that in Addition to the Fifty-two Regular Cutters, with Four Special Cutters, the Plane will Take Practically any Form of Cutter Desired, its Wide Range of Work will be Appreciated.

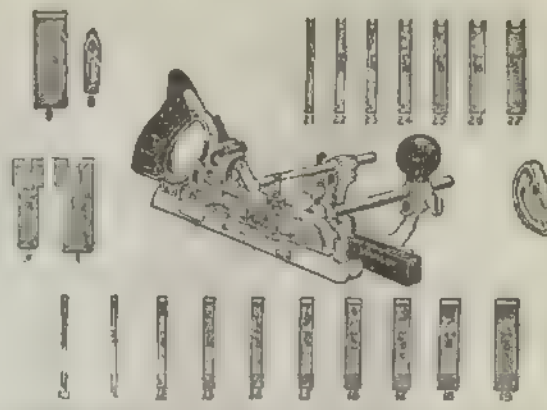
The Plane has: A Main Stock, "A", which Carries the Cutter Adjustment, a Handle, a Depth Gauge, a Slitting Gauge, and has a Steel Bottom Forming a Bearing for One Edge of the Cutter. A Sliding Section, "B", with a Steel Bottom Gives Bearing for the Other Edge of the Cutter and Slides on Arms Secured in the Main Stock. This Bottom can be Raised or Lowered so that, in Addition to Allowing the Use of Cutters of Different Widths, Cutters can be Used having One Edge Higher or Lower than the Edge Supported in the Main Stock. An Extra Support or Stop is Necessary for Cutters which First Enter the Wood at a Point Between the Outside Edges, and is a Benefit for Such Cutters which, if the Plane were Accidentally Tilted, Would Tend to Gouge the Work. The Auxiliary Center Bottom, "C", which can be adjusted for Width or Depth, Fulfills this Requirement. Fence, "D", has a Lateral Adjustment, by means of a Screw, for Extra Fine Work. The Fences can be Used on Either Side of the Plane, and the Rosewood Guides can be Tilted to any Desired Angle up to Forty-five Degrees, by Loosening the Screws on the Face. Fence, "E", can be Reversed for Center Beading Wide Boards.

The Plane is Fitted with Spurs for Working Across the Grain, and a Special Cam Rest, to be Located on the Front Arm when Working at a Distance from the Edge of the Board, to Keep the Fence from Sagging, or on the Rear Arm on Certain Work, to Prevent the Possibility of the Plane Rocking. All parts are Interchangeable.

The Four Small Cuts in the Corners, Show how the Bottoms Should be Set for Different Forms of Cutters and the Great Importance of Having the Fences Adjusted so that the Cutters will Not Run.

COMBINATION PLANES

STANLEY



"FORTY-FIVE" PLANE

Seven Tools in One in Compact and Practical Form. 1—Beading and Center Beading Planer. 2—Plow. 3—Dado. 4—Rabbet and Filletster. 5—Match Plane. 6—Sash Plane. 7-Slitting Plane.

The Plane has Two Principal Parts; a Main Stock and a Sliding Section. The Main Stock Carries the Handle, Cutter Adjustment, a Slitting Tool, Depth Gauge, and Forms a Bearing for One Edge of the Cutter. The Sliding Section Slides on Two Arms Secured in the Stock and has a Bearing for the Other Edge, Allowing Cutters of Different Widths to be Used. A Fence also Slides on These Arms for Use when Working as a Plow, Beader or Filletster, to Gauge the Distance from the Cutter to the Edge of the Board, and to Keep the Cutter at Right Angles to Same. When Used as a Filletster, the Fence Slides Under the Bottom of the Plane and Determines the Width of Cutter Exposed to the Work.

The Plane is Fitted with Spurs for Use Across the Grain, etc., and can be Used either Right or Left Hand.

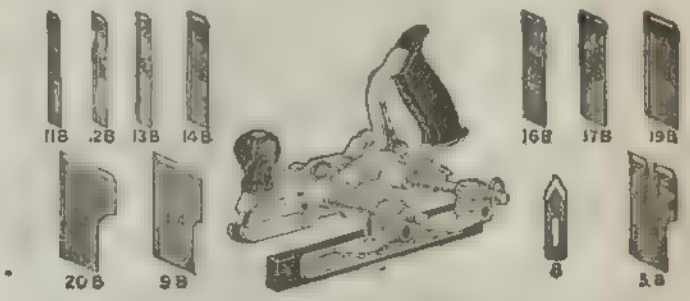
With Each Plane are Furnished Twenty-one Cutters, all of which are Shown in the Cut. The Cutters, Together with the Plane, are Packed in a Neat Steel Box.

All Metal Parts are Nickel Plated. The Handle, Knob and Fence are Made of Selected Rosewood. For Beading at a Distance from the Edge of a Board, Attach Cam Rest (see Cut at Right of Plane) to the Front Arm Between the Sliding Section and Fence to Prevent the Fence Sagging. In Certain Work Attach same to the Rear Arm to Prevent the Plane from Rocking.

Each

No. 45—Nickel Plated, With 21 Cutters; Weight Each 9½ lbs. **$22 00**

One in a Box



PLOW, DADO, FILLETSTER AND MATCHING

Skew Cutters are the Feature of this Plane. It Consists of a Main Stock Carrying a Spur, a Depth Gauge and a Slitting Cutter, a Sliding Section Carrying a Spur and Forming an Extra Sole for the Plane, and a Fence Rosewood Face, which can be Set for Either Plow or Filletster Work.

Each

No. 46—Nickel Plated Cast Iron; Rosewood Handle and Knob; Length 10½ inches; Six Cutters, Comprising 5 Plow and Dado Bits, ⅛, 3/16, ¼, 5/16, ⅜ and 1¼ inch Fillister Cutter, 1¼ inch Rabbet and Slitting Cutter; Weight 4¼ lbs. **$15.50**

One in a Box

DADO

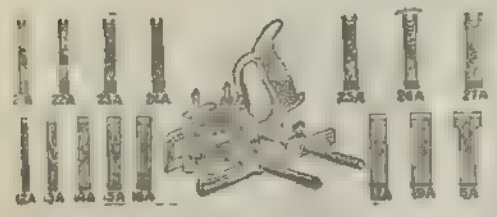
This is the Main Stock with Spur, Slitting Tool, Depth Gauge and the Sliding Section with Spur, Used in Plane No. 46, but Without the Fence, and with Fewer Cutters.

Each

No. 47—Nickel Plated Cast Iron; Rosewood Handle and Knob; Length 10½ inches; Six Cutters, Comprising 5 Dado Bits, ⅛, 3/16, ¼, 5/16, ⅜ and 1¼ inch; also one Slitting Cutter; Weight 3¾ lbs. **$12.20**

One in a Box

COMBINATION PLANES



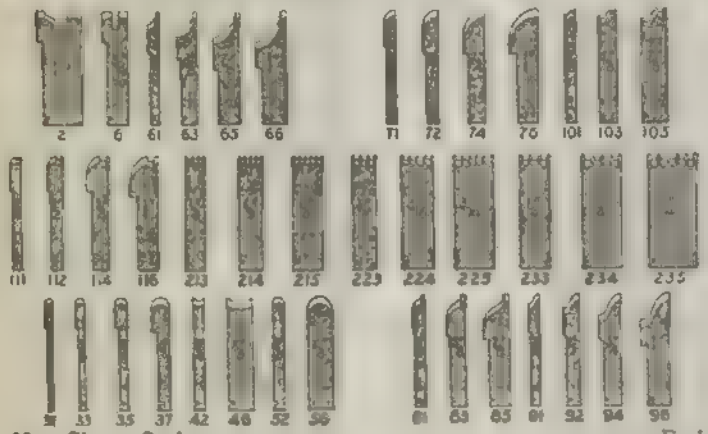
STANLEY PLOW, BEADING OR MATCHING

This is a very handy tool for light work. It consists of a main stock carrying a spur and a depth gauge, and forming a support for one side of the cutter; a sliding section, carrying a spur and forming a support for the other side of the cutter, and a fence with a 5-inch adjustment. The handle is metal, being a part of the main stock. Each

No. 50 —Nickel Plated Cast Iron; Length 9½ inches, Fifteen Cutters, comprising 7 plow and dado tools, 1/4, 5/16, 3/8, 7/16, 1/2, 5/8 and 3/4 inch, 7 beading tools, 1/8, 3/16, 1/4, 5/16, 3/8, 7/16 and 1/2 inch; and a 1/4 inch tonguing tool; Weight 3¼ lbs. $12.00

One in a Box

SPECIAL CUTTERS FOR "55" PLANES



No.	Size	Style	Each
2	1½ in.	Sash Tool	$1 80
6	¼ in.	Match Tool	1.80
31	⅛ in.	Fluting Tool	1 10
33	⅛ in.	" "	1.10
35	⅜ in.	" "	1.10
37	⅝ in.	" "	1.10
42	⅜ in.	Hollow	.75
46	½ in.	"	.75
52	⅝ in.	Round	.75
56	⅞ in.	"	.75
61	⅜ in.	Quarter Hollow	1.65
63	½ in.	" "	1 65
65	⅝ in.	" "	1.80
66	1 in.	" "	1 80
71	⅜ in.	Quarter Round	1.65
72	½ in.	" "	1 65
74	¾ in.	" "	1 80
76	1 in.	" "	1 80
81	⅜ in.	Reverse Ogee	1 80
83	½ in.	" "	1 80
85	⅝ in.	" "	1 80
91	⅜ in.	Roman Ogee	1.65
92	½ in.	" "	1
94	¾ in.	" "	1 80
96	1 in.	" "	1 80
101	⅜ in.	Grecian Ogee	1 65
103	½ in.	" "	1 65
105	⅝ in.	" "	1 80
111	⅜ in.	¼ Round, with Bead	1 65
112	½ in.	¼ " " "	1 65
114	¾ in.	¼ " " "	1 80
116	1 in.	¼ " " "	1 80
213	⅛ in.	Reeding Tool, 3 Beads	1 10
214	¼ in.	" " 4 "	1 45
215	⅝ in.	" " 5 "	1 80
223	⅛ in.	" " 3 "	1 10
224	¼ in.	" " 4 "	1 45
225	⅝ in.	" " 5 "	1 80
233	⅛ in.	" " 3 "	1 10
234	¼ in.	" " 4 "	1 45
235	⅝ in.	" " 5 "	1.80

EXTRA CUTTERS FOR "55" PLANES

The following cutters are furnished with each Plane. The price given in case duplicates should be required.

No.	Size.	Style	Each
1	1½ in.	Sash Tool	$1 80
5	¼ in.	Match Tool	1 80
8		Slitting Tool	1 10
9	1¼ in.	Fillet	90
10	⅛ in.	Plow & Dado Tool	.55
11	¼ in.	" "	.55
12	5/16 in.	" "	.55
13	⅜ in.	" "	.55
14	⅝ in.	" "	.75
15	½ in.	" "	.75
16		" "	.75
17		" "	.75
18		" "	75
19		" "	.90
21		Bead Tool	.55
22		"	.55
23		"	.55
24		"	.75
25		"	.75
26		"	.90
27		"	.90
28		"	1.10
29		"	1.10
32		Beading Tool	1.10
34		"	1.10
36		"	1 10
38		"	1.10
43		Hollow	.75
44		"	.75
45		"	.75
47		"	.75
53		Round	.75
54		"	.75
55	¼ in.	"	.75
57	1 in.	"	.75
62	½ in.	Quarter Hollow	1.65
64	¾ in.	" "	1.80
73	½ in.	" Round	1.65
75	⅞ in.	" "	1.80
82	½ in.	Reverse Ogee	1.65
84	¾ in.	" "	1.80
86	1 in.	" "	1.80
93	⅝ in.	Roman	1.65
95	⅞ in.	"	1.80
102	½ in.	Grecian	1.65
104	¾ in.	"	1.80
106	1 in.	"	1.80
113	⅝ in.	⅛ Round, with Bead	1.65
115	⅞ in.	¼ " "	1.80
212	⅛ in.	Reeding Tool, 2 Beads	.75
222	⅛ in.	" " 2 "	.75
232	¼ in.	" " 2 "	.75

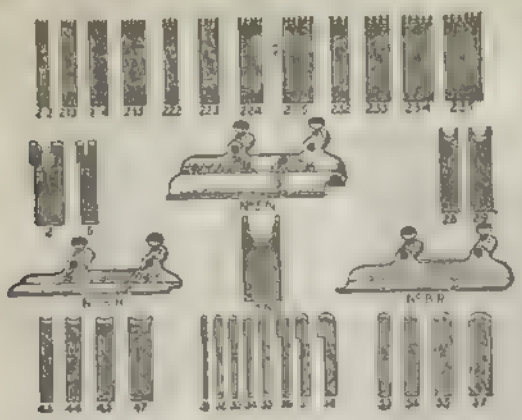
EXTRA CUTTERS FOR "45" PLANES

The following cutters are furnished with each Plane The price is given in case duplicates should be required.

No.	Size	Style	Each
1	1½ in.	Sash Tool	$1 80
5	¼ in.	Match Tool	1 80
8		Slitting Tool	1 10
9	1¼ in.	Fillet	90
10	⅛ in.	Plow & Dado Tool	.55
11	¼ in.	" "	.55
12	5/16 in.	" "	.55
13	⅜ in.	" "	.55
14	⅝ in.	" "	.75
15	½ in.	" "	.75
16	⅝ in.	" "	.75
17	⅝ in.	" "	.75
18	¾ in.	" "	.75
19	⅞ in.	" "	.90
21	¼ in.	Beading Tool	.55
22	⅜ in.	"	.55
23	¼ in.	"	.55
24	⅝ in.	"	.75
25	⅝ in.	"	.75
26	⅞ in.	"	90
27	1 in.	"	.90

Items Marked ✝ Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory, New Britain, Conn.

SPECIAL CUTTERS FOR "45" PLANES



No.	Size	Style	Each
✣ 2—	1½ in.	Sash Tool.	$1.80
✣ 6—	⅜ in.	Match Tool.	1.80
28—	⅝ in.	Beading Tool.	1.10
20—	¾ in.	" "	1.10
31—	⅜ in.	Fluting Tool	1.10
32—	½ in.	" "	1.10
33—	⅝ in.	" "	1.10
34—	¾ in.	" "	1.10
35—	⅞ in.	" "	1.10
36—	1 in.	" "	1.10
37—	⅝ in.	" "	1.10
38—	¾ in.	" "	1.10
✣212—	⅛ in.	Reeding Tool 2 Beads.	.74
✣213—	¼ in.	" " 3 "	1.10
✣214—	⅛ in.	" " 4 "	1.44
✣215—	⅛ in.	" " 5 "	1.80
✣222—	⅛ in.	" " 2 "	.74
✣223—	⅛ in.	" " 3 "	1.10
✣224—	⅛ in.	" " 4 "	1.44
✣225—	⅛ in.	" " 5 "	1.80
✣232—	⅛ in.	" " 2 "	.74
✣233—	⅛ in.	" " 3 "	1.10
✣234—	⅛ in.	" " 4 "	1.44
✣235—	⅛ in.	" " 5 "	1.80

SPECIAL BOTTOMS FOR "45" PLANES

In order to work Hollows and Rounds, or a Nosing Cutter in the No. 45 Plane, it is necessary to substitute for the sliding section especially formed bottoms, which are called by the same name as the cutters they are designed to carry, that is Hollows, Rounds or Nosing Tools.

A Hollow and its Cutters will form a **Round** on the Mouldings being worked. A Round and its Cutters will form a **Hollow**. A Nosing Tool and its Cutters will form what might be called an exaggerated Round. It is very largely used for shaping the edges of shingles. Hollows and Rounds are made in pairs and a complete set consists of six, comprising one Hollow, one Round and two Cutters. The price of a Nosing Tool includes one Cutter.

Per Pair

✣No. 6—Hollow and Round; ⅛-inch Cutters; Work ¾-inch Circle. $3 30

✣No. 8—Hollow and Round; ⅛-inch Cutters; Work 1-inch Circle. 3 30

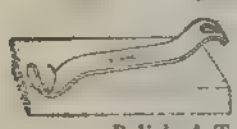
✣No. 10—Hollow and Round; ¾-inch Cutters; Work 1¼-inch Circle 3 50

✣No. 12—Hollow and Round; 1-inch Cutters; Work 1½-inch Circle 3.50

Each

✣No. 5—Nosing Tool; 1¼-inch Cutters; Work 1¼-inch Circle.... $2 60

CORNERING TOOLS



STANLEY

These tools are used by Pattern Makers and all wood-workers for rounding sharp edges. They have a different size cutter at each end and their form is such that no depth gauge is required.

Polished Tool Steel; Length 5½ inches.

Per Dozen

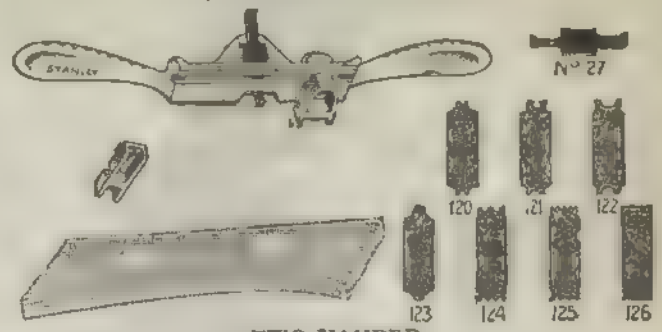
No. 28—⅛ and ¼ inch Cutter; Weight per Dozen 1½ lbs..... $6 50

No. 30—¼ and ⅜ inch Cutter; Weight per Dozen 1½ lbs..... 6 90

Half Dozen in a Box

BEADING TOOLS

STANLEY UNIVERSAL



TWO-HANDED

This is an excellent tool for beading, reeding or fluting straight or irregular surfaces and for light routering. The sample illustrated shows some of the work that can be done with its use. With each beader are furnished a square gauge for straight work and an oval gauge for curved work. There are also furnished eight cutters sharpened at both ends and embracing the following assortment, 6 single beads, ⅛, 3/16, ¼, 5/16 ⅜ and ½ inches, 2 fluting tools, 3/16 and ¼ inches; 4 reeding tools, (2 beads 3/16 inch, 3 beads ¼ inch, 3 beads ⅜ inch and 4 beads ½ inch), 2 routers ⅛ and ¼ inch, and a ⅝ inch blank, which latter cutter the owner can file up as he desires.

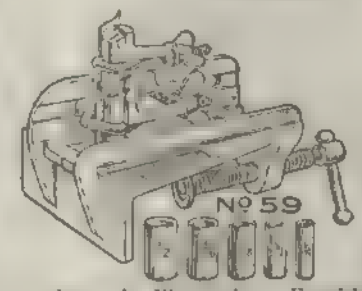
The handles are curved so as to insure ample room between the workman's hands and the surface of the work.

Per Dozen

No. 66—Iron, Nickel Plated; Length 11½ inches; Eight Cutters; Weight Each, 1½ lbs..... $37.70

Twelfth Dozen in a Box

DOWELING JIGS



STANLEY

This Tool is made for the purpose of enabling the user to Bore Dowel Holes in the Edge End of Surface of Work with the greatest Ease and Accuracy. It will Cut any thickness of Material up to 3 inches.

It also will be found an excellent Bit Guide for Mortising. When making Dowel Holes with the Doweling Jig the Steel Guide is Automatically Set to guide the Bit properly when the Jig is Clamped to the work as shown in Illustration. Furnished with Five Steel Guides 1¼ inches Long; One each ¼, 5/16, ⅜, 7/16 and ½ inch. To allow for Variations in Size of Bits the Guides are made 1/100 inch Larger than the Sizes given.

Each

No. 59—Nickel Plated Cast Iron Body, 5¼ inches Long; Weight each 1½ lbs..... $4.00

One in a Box

DOWEL SHARPENERS

STANLEY

This Tool is the Reverse of the Countersink and can be Sharpened with equal Ease. By its use Dowel Pins can be Sharpened Rapidly and Uniformly.

Per Dozen

No. 22—Made of Malleable Iron; Nickel Plated; Sharpens Dowel Pins up to ¾ inch; Weight per Dozen 1½ lbs..... $6.90

Half Dozen in a Box

DOWEL PLATES

Used for Making Wood Dowel Pins

Made of High Grade Tool Steel; Full Polished and properly Tempered.

Per Dozen

No. 79—Has Holes for making Five different Sizes of Dowel Pins, ¼, 5-16, ⅜, 7-16 and ½ inch Diameter; Size of Plate 6x1½x⅜ inch; Weight each ½ lb..... $13.20

One Dozen in a Box

Items Marked ✣ Not Carried in Stock Can Only be Furnished by Shipping Direct from Factory, New Britain, Conn.

PLANE IRONS

In Ordering Plane Irons Always Give the Make and Number of Plane for Which they are Wanted.

*DIAMOND EDGE

Highest Grade English Tool Steel, Especially Selected for DIAMOND EDGE Planes; Oil Tempered, Ground and Hand Sharpened, Extra Heavy Bit Full Polished.

For All-Iron and Wood Bottom Bench Planes

No. DES—SINGLE CUT IRONS

Cut, inches	1¾	1⅝	1⅞	2	2⅛	2¼	2⅜	2⅝
Wt. Doz., lbs.	2¼	2½	2⅝	3¼	3½	3⅞	4¼	4½
Per Dozen	$7.70	9.50	11.00	11.50	12.50	13.50	14.30	15.00

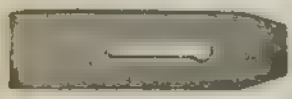
Half Dozen in a Box

For All-Iron and Wood and Bench Bottom Planes

No. DED—DOUBLE IRONS

Cut, inches	1¾	1⅝	1⅞	2	2⅛	2¼	2⅜	2⅝
Wt. Doz., lbs.	3½	4	4½	5½	6	7	7¼	7½
Per Dozen	$14.00	15.70	17.00	19.50	22.00	21.00	22.00	23.50

Half Dozen in a Box



For Wood Bench Planes

No. DESW—SINGLE CUT IRONS

Cut, inches	2	2⅛	2¼	2⅜	2½	2⅝
Weight Dozen, lbs.	6½	7½	8	8½	9½	10
Per Dozen	$11.50	12.30	13.50	15 00	16.50	18.00

Half Dozen in a Box

For Wood Bench Planes

No. DEDW—DOUBLE IRONS

Cut, inches	2	2⅛	2¼	2⅜	2½
Weight per Dozen, lbs	9½	10½	11	11½	13½
Per Dozen	$20 50	21 20	22.30	23.50	26 00

Half Dozen in a Box

*BRIDGE

Bridge

High Grade Crucible Steel Bit; Soft Steel Body; Oil Tempered; Ground and Hand Sharpened; Heavy Bit Full Polished.

For Wood Bench Planes

No. BSW—SINGLE CUT IRONS

Cut, inches	2	2⅛	2¼	2⅜	2½
Weight Doz., lbs.	6½	7½	8	8½	9½
Per Dozen	$12 00	12 80	14 30	15 50	17 00

Half Dozen in a Box

For Wood Bench Planes

No. BDW—DOUBLE IRONS

Cut, inches	2	2⅛	2¼
Weight, Dozen lbs.	9½	10½	11
Per Dozen	$21.50	23.00	23.70

Half Dozen in a Box

PLANE IRONS

In Ordering Plane Irons Always Give the Make and Number of Plane for Which They are Wanted.

STANLEY

Extra Quality Cast Steel, Perfectly Tempered, Ground and Polished.

For All-Iron and Wood Bottom Bench Planes

No. BS—SINGLE CUT IRONS

Cut, inches	1¾	1⅝	1⅞	2
Weight per Dozen, lbs.	2¼	2½	2⅝	3¼
Per Dozen	67.70	9.50	10.40	11.00
Cut, inches	2⅛	2¼	2⅜	2⅝
Weight per Dozen, lbs.	3½	3⅞	4¼	4½
Per Dozen	12.20	13.20	13.50	13.80

Half Dozen in a Box

For All-Iron and Wood Bottom Bench Planes

No. BD—DOUBLE IRONS

Cut, inches	1⅝	1⅞	2
Weight per Dozen, lbs.	4	4½	5½
Per Dozen	$15.50	16.50	18.70
Cut, inches	2¼	2¾	2⅝
Weight per Dozen, lbs.	7	7¼	7½
Per Dozen	$20.50	21.40	22.30

FOR BLOCK PLANES

	Per Dozen
No. BP—For Planes Nos. 9½, 9¾, 15, 15½, 16, 17, 18, 19, 131 and 220 Planes	$7.40
No. BX—For Plane No 120	7.40

Half Dozen in a Box

PLANE HANDLES

FOR *DIAMOND EDGE IRON PLANES

Black Composition Rubber

	Per Dozen
No. DE4—For No. DE3 and DE4 Planes; Weight per Dozen 2½ lbs.	$9.50
No. DE4½—For Nos. DE4½, DE5, DE6, DE7 and DE8 Planes Weight per Dozen 2½ lbs.	9.50

One Dozen in a Box

FOR ALL-IRON PLANES

Rosewood Finished Hardwood

	Per Dozen
No. 4—For Bailey No. 4 and DIAMOND EDGE No. DE4 Smooth Planes; Weight per Dozen 2 lbs	$9.00
No. 5—For Bailey and Ohio DIAMOND EDGE Jack, Fore and Jointer and for Ohio Smooth Plane No. 4; Weight per Dozen 2 lbs.	9.00

One Dozen in a Box

FOR WOOD BOTTOM PLANES

Plain Finished Beechwood

	Per Dozen
No. 26—For Jack, Fore and Jointer Planes; All Sizes Weight per Dozen 2 lbs	$4.70

One Dozen in a Box

PLANE PARTS

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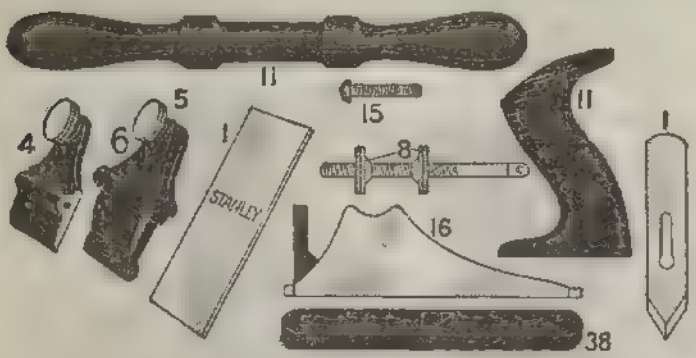

FOR STANLEY SCRAPER AND CHAMFER PLANES

SINGLE PLANE IRON (1)

For Planes	✣12	✣12½	✣12¼	✣112	✣212	✣85
Each	$0.45	.45	.45	.45	.45	.45
	.70	.70	.70	.70	.70	.70

For Planes	✣56	✣57	✣72
Each	$0 50	.60	.40
	0 80	.95	.65

LEVER CAP (4)

For Planes	✣12	✣12½	✣12¼	✣112	✣212	✣85
Each	$0.50	.50	.50	.40	.20	.40
	.80	.80	.80	.65	.30	.65

For Planes	✣56	✣57	✣72
Each	$0.30	.30	.20
	.50	.50	.30

LEVER CAP SCREW (5)

For Planes	✣56	✣57	✣72
Each	$0 10	.10	.10
	.15	.15	.15

FROG COMPLETE

For Planes	✣12	✣12½	✣12¼	✣112
Each	$1.20	1.20	1.40	.70
	2.00	2.00	2.30	1.20

For Planes	✣212	✣85
Each	$0.20	.60
	.30	.95

ADJUSTING NUT (8)

For Planes	✣12	✣12½	✣12¼	✣112
Each	$0.20	.20	.20	.20
	.30	.30	.30	.30

FROG SCREW (10)

For Planes	✣85
Each	$0 10
	.15

PLANE HANDLE (11)

For Planes	✣12	✣12½	✣12¼	✣112	✣85
Each	$1 00	1.00	1.00	.40	.50
	1 60	1 60	1.60	.65	.80

For Planes	✣56	✣57	✣72
Each	$0 40	.20	.60
	.65	.30	.95

PLANE KNOB (12)

For Planes	✣112	✣212	✣85
Each	$0 30	.40	.40
	.50	.65	.65

For Planes	✣57	✣72
Each	$0 20	30
	30	50

HANDLE BOLT AND NUT (13)

For Planes	✣112	✣85	✣57	✣27
Each	$0 20	20	20	.20
	.30	.30	30	.30

FOR STANLEY SCRAPER AND CHAMFER PLANES

KNOB, BOLT AND NUT (14)

For Planes	✣112	✣212	✣85	✣57	✣72
Each	$0 20	20	20	.20	.20
	.30	30	.30	.30	.30

PLANE HANDLE SCREW (15)

For Planes	✣12	✣12½	✣12¼
Each	$0.10	.10	.10
	15	.15	.15

PLANE BOTTOM (16)

For Planes	✣12	✣12½	✣12¼	✣112	✣212	✣85
Each	$2.40	2.40	1.60	2.40	1.20	2.00
	3 90	3.90	2.60	3.90	2 00	3 20

For Planes	✣56	✣57	✣72
Each	$2.00	2.00	3.00
	3 20	3 00	4.80

EXTRA WOOD BOTTOM (38)

For Planes	✣12	✣12½
Each	$0 50	.50
	.80	.80

FOR STANLEY RABBET AND ROUTER PLANES

SINGLE PLANE IRON (1)

For Planes	✣90	✣92	✣93	✣94	✣196	✣98
Each	$0.60	.60	.60	.60	.50	.40
	.95	.95	.95	.95	.80	.65

For Planes	✣99	✣71	✣71½	✣75	✣95
Each	$0 40	.60	.60	.40	.40
	.65	.95	.95	.65	.65

LEVER CAP (4)

For Planes	✣90	✣92	✣93	✣94	✣196
Each	$0.30	.30	.30	.30	.20
	.50	.50	.50	.50	30

For Planes	✣98	✣99	✣75	✣95
Each	$0.20	.20	.20	.20
	.30	.30	.30	.30

PLANE KNOB (12)

For Planes	✣98	✣99	✣71	✣71½
Each	$0.30	.30	.30	.30
	.50	.50	.50	.50

KNOB, BOLT AND NUT (14)

For Planes	✣71	✣71½
Each	$0 20	.20
	.30	.30

PLANE BOTTOM 16)

For Planes	✣90	✣92	✣93	✣94	✣196	✣98
Each	$3 50	3 50	4 20	5.00	2 40	1.20
	5 60	5.60	6.80	8 00	3 90	2 00

For Planes	✣99	✣71	✣71½	✣75	✣95
Each	$1.20	2.00	2.00	.60	1.00
	2 00	3 20	3 20	.95	2 60

CUTTER BOLT ADJUSTING SCREW (27)

For Planes	✣90	✣92	✣93	✣94
Each	$0 40	40	.40	.40
	.65	.65	.65	.65

EXTRA ATTACHMENT (47)

For Planes	✣71
Each	$0 50
	0 80

COLLAR (48)

For Planes	✣71	✣71½
Each	$0 50	.50
	80	80

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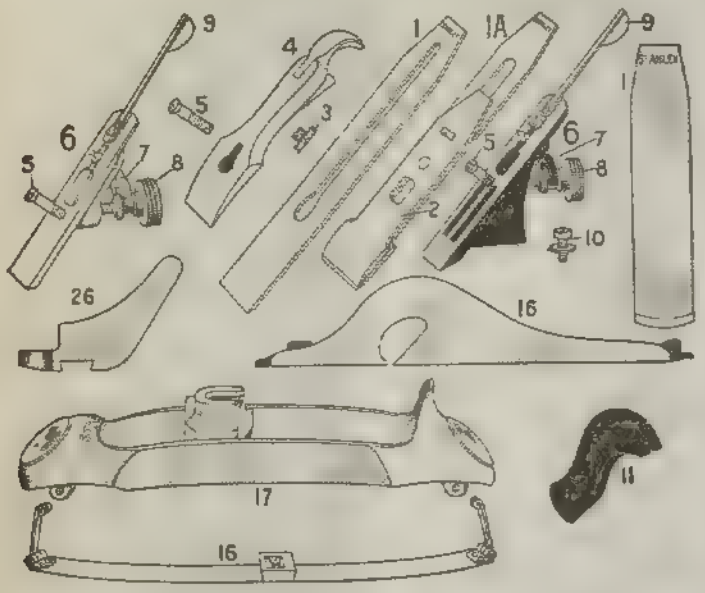

FOR STANLEY CARRIAGE, CIRCULAR AND SCRUB PLANES

DOUBLE PLANE IRON (1A)

For Planes	✢10	✢10¼	✢10½	✢11
Each	$1.00	1.00	1 00	1 20
	1.60	1.60	1.60	2 00

For Planes	✢113	✢20	
Each	$0 90	.90	
	1.45	1.45	

SINGLE PLANE IRON (1)

For Planes	✢10	✢10¼	✢10½	✢11
Each	$0 65	65	65	75
	1 05	1.05	1 05	1.20

For Planes	✢113	✢20	
Each	$0 55	.55	
	.90	.90	

PLANE IRON CAP (2)

For Planes	✢10	✢10¼	✢10½	✢11
Each	$0.35	.35	.35	.45
	.55	.55	.55	.70

For Planes	✢113	✢20	✢20½
Each	$0.35	.35	.35
	.55	.55	.55

CAP SCREW (3)

For Planes	✢10	✢10¼	✢10½	✢11
Each	$0.10	.10	.10	.10
	.15	.15	.15	.15

For Planes	✢113	✢20
Each	$0.10	.10
	.15	.15

LEVER CAP (4)

For Planes	✢10	✢10¼	✢10½	✢11
Each	$0 50	.50	.50	50
	.80	.80	.80	.80

For Planes	✢113	✢20
Each	$0 50	0
	80	80

FOR STANLEY CARRIAGE, CIRCULAR AND SCRUB PLANES

LEVER CAP SCREW (5)

For Planes	✢10	✢10¼	✢10½	✢11	✢11½
Each	$0.10	.10	.10	.10	.10
	.15	.15	.15	.15	.15

For Planes	✢113	✢20	✢40	✢40½	✢51	✢74
Each	$0.10	.10	.10	.10	.10	.10
	.15	.15	.15	.15	.15	.15

FROG COMPLETE (6)

For Planes	✢10	✢10¼	✢10½	✢11
Each	$0 70	.70	.70	.70
	1 10	1.10	1.10	1.10

For Planes	✢11½	✢113	✢20	✢51
Each	$0 70	.70	.70	.70
	1.10	1.10	1.10	1.10

Y ADJUSTING LEVER (7)

For Planes	✢10	✢10¼	✢10½	✢11
Each	$0.10	.10	.10	.10
	15	.15	.15	.15

For Planes	✢11½	✢113	✢20	✢51
Each	$0.10	.10	.10	.10
	.15	.15	.15	.15

ADJUSTING NUT (8)

For Planes	✢10	✢10¼	✢10½	✢11
Each	$0.20	.20	.20	.20
	30	.30	.30	.30

For Planes	✢11½	✢113	✢20	✢51
Each	$0.20	.20	.20	.20
	.30	.30	.30	.30

LATERAL ADJUSTING LEVER (9)

For Planes	✢10	✢10¼	✢10½
Each	$0.20	.20	.20
	.30	.30	.30

For Planes	✢113	✢20	51
Each	$0 20	.20	.20
	.30	.30	.30

FROG SCREW (10)

For Planes	✢10	✢10¼	✢10½	✢11
Each	$0 10	.10	.10	.10
	.15	.15	.15	.15

For Planes	✢11½	✢113	✢20	✢51
Each	$0.10	.10	.10	.10
	.15	.15	.15	.15

PLANE HANDLE (11)

For Planes	✢10	✢10¼	✢10½	✢11
Each	$0.40	.80	.40	.60
	.65	1.30	.65	.95

For Planes	✢11½	✢40	✢40½	✢51	✢74
Each	$0 60	.20	.20	.40	2.00
	.95	.30	.30	.65	3.20

PLANE KNOB (12)

For Planes	✢10	✢10¼	✢10½
Each	$0 30	.60	.30
	50	.95	.50

For Planes	✢40	✢51
Each	$0.20	.30
	.30	.50

(Continued on Page 137)

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PLANE PARTS

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FOR STANLEY CARRIAGE, CIRCULAR AND SCRUB PLANES

(Continued from Page 136)

HANDLE, BOLT AND NUT (13)

For Planes	‡10	‡10¼	‡10½
Each	$0.20	.20	.20
	.30	.30	.30

For Planes	‡40	‡40½	‡51
Each	$0.20	.20	.20
	.30	.30	.30

KNOB, BOLT AND NUT (14)

For Planes	‡10	‡10¼	‡10½
Each	$0.20	.20	.20
	.30	.30	.30

For Planes	‡40	‡40½	‡51
Each	$0.20	.20	.20
	.30	.30	.30

PLANE BOTTOM (16)

For Planes	‡10	‡10¼	‡10½	‡11
Each	$3.30	3.00	3.30	2.60
	5.30	4.80	5.30	4.20

For Planes	‡11½	‡113	‡20	‡40
Each	$2.60	.20	1.20	1.40
	4.20	2.00	2.00	2.30

For Planes	‡40½	‡51	‡74
Each	$2.00	6.00	4.40
	3.20	9.60	7.10

TOP CASTING (17)

For Planes	‡113	‡20
Each	$2.00	3.00
	3.20	4.80

FROG SEAT (26)

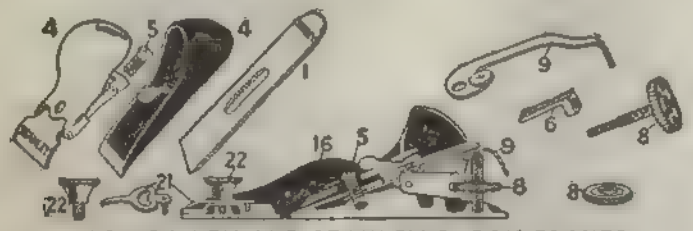
For Planes	‡20
Each	$1.00

BOTTOM ADJ. SCREW (35)

For Planes	‡113	‡20
Each	$1.00	.50
	1.60	.80

BOTTOM ADJUSTING NUT (36)

For Planes	‡20
Each	.50
	.80



FOR BAILEY AND STANLEY BLOCK PLANES

SINGLE PLANE IRON (1)

For Planes	9½	9¾	15	15½	16	17	18
Per Dozen	$7.50	7.50	7.50	7.50	7.50	7.50	7.50

For Planes	19	60	60½	61	65	65½
Per Dozen	$7.50	7.50	7.50	7.50	7.50	7.50

LEVER CAP (4)

For Planes	9½	9¾	15	15½	16	17	18
Each	$0.20	.20	.20	.20	.30	.30	.40
	.30	.30	.30	.30	.50	.50	.65

For Planes	19	60	60½	61	65	65½
Each	$0.40	.30	.30	.30	.40	.20
	.65	.50	.50	.50	.65	.30

FOR BAILEY AND STANLEY BLOCK PLANES

LEVER CAP SCREW (5)

For Planes	‡9½	‡9¾	‡15	‡15½	‡16	‡17	‡18
Each	$0.10	.10	.10	.10	.10	.10	.10
	.15	.15	.15	.15	.15	.15	.15

For Planes	‡19	‡60	‡60½	‡61	‡65	‡65½
Each	$0.10	.10	.10	.10	.10	.10
	.15	.15	.15	.15	.15	.15

FROG COMPLETE (6)

For Planes	‡60	‡60½	‡61	‡65	‡65½
Each	$0.20	.20	.20	.20	.20
	.30	.30	.30	.30	.30

ADJUSTING LEVER (7)

For Planes	‡9½	‡9¾	‡15	‡15½
Each	$0.10	.10	.10	.10
	.15	.15	.15	.15

For Planes	‡16	‡17	‡18	‡19
Each	$0.10	.10	.10	.10
	.15	.15	.15	.15

ADJUSTING NUT (8)

For Planes	‡9½	‡9¾	‡15	‡15½	‡16	‡17	‡18
Each	$0.20	.20	.20	.20	.20	.20	.20
	.30	.30	.30	.30	.30	.30	.30

For Planes	‡19	‡60	‡60½	‡61	‡65	‡65½
Each	$0.20	.20	.20	.20	.20	.20
	.30	.30	.30	.30	.30	.30

LATERAL ADJUSTING LEVER (9)

For Planes	‡9½	‡9¾	‡15	‡15½	‡16	‡17	‡18	‡19
Each	$0.20	.20	.20	.20	.20	.20	.20	.20
	.30	.30	.30	.30	.30	.30	.30	.30

PLANE HANDLE (11)

For Planes	‡9½	‡9¾	‡15
Each	$0.50	.50	.50
	.80	.80	.80

For Planes	‡15½
Each	$0.50
	.80

PLANE BOTTOM (16)

For Planes	‡9½	‡9¾	‡15	‡15½	‡16	‡17	‡18
Each	$1.40	1.40	1.50	1.50	1.50	1.50	1.50
	2.30	2.30	2.40	2.40	2.40	2.40	2.40

For Planes	‡19	‡60	‡60½	‡61	‡65	‡65½
Each	$1.50	1.20	1.20	1.00	1.50	1.50
	2.40	2.00	2.00	1.60	2.40	2.40

ECCENTRIC PLATE (21)

For Planes	‡9½	‡9¾	‡15	‡15½	‡16	‡17	‡18
Each	$0.20	.20	.20	.20	.20	.20	.20
	.30	.30	.30	.30	.30	.30	.30

For Planes	‡19	‡60	‡60½	‡61	‡65	‡65½
Each	$0.20	.20	.20	.20	.20	.20
	.30	.30	.30	.30	.30	.30

FINGER REST KNOB (22)

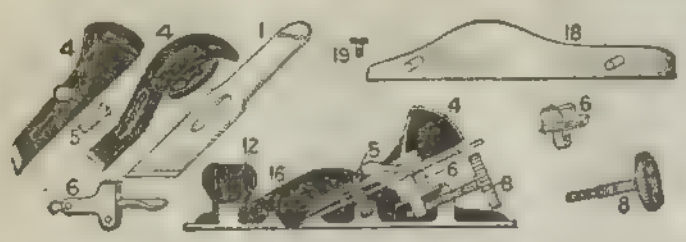
For Planes	‡9½	‡9¾	‡15	‡15½	‡16	‡17	‡18
Each	$0.20	.20	.20	.20	.20	.20	.20
	.30	.30	.30	.30	.30	.30	.30

For Planes	‡19	‡60	‡60½	‡61	‡65	‡65½
Each	$0.20	.20	.20	.20	.20	.20
	.30	.30	.30	.30	.30	.30

Items Marked ‡ Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory, New Britain, Conn.

PLANE PARTS

When Ordering, Always Give Kind and Number of Plane for Which Part is Wanted, as Well as the Figure Number of the Part Wanted. Ten Cents will be the Minimum Charge for Any Part Sent by Mail.



FOR STANLEY BLOCK PLANES

SINGLE PLANE IRON (1)

For Planes	100	101	102	103	110	120
Per Dozen	$2 20	2.20	3.70	3.70	5 00	7 30

For Planes	130	131	140	203	220
Per Dozen	$5.60	7.30	3.80	7.30	7.30

LEVER CAP (4)

For Planes	†100	†101	†102	103	110	120
Each	$0.10	.10	.20	.20	.20	.20
	.15	.15	.30	.30	.30	.30

For Planes	130	131	140	203	220
Each	$0 20	.20	.30	.20	.20
	.30	.30	.50	.30	.30

LEVER CAP SCREW (5)

For Planes	†131	†140	†203	†220
Each	$0 10	0	.10	10
	.15	.15	.15	.15

FROG COMPLETE (6)

For Planes	†120	†131	†140	†203	†220
Each	$0.30	.30	.20	.20	.20
	50	.50	.30	.30	.30

ADJUSTING NUT (8)

For Planes	†131	†140	†203	†220
Each	$0.20	.20	.20	.20
	.30	.30	.30	.30

PLANE KNOB (12)

For Planes	†110	†120	†130	†131	†140	†203	†220
Each	$0.20	.20	.20	.30	.30	.30	.30
	.30	.30	.30	.50	.50	.50	.50

PLANE BOTTOM (16)

For Planes	†100	†101	†102	†103	†110	†120
Each	$0.20	.20	.40	.40	.50	.60
	30	.30	.65	.65	.80	.95

For Planes	†130	†131	†140	†203	†220
Each	$0.70	1.40	1.50	.50	.60
	1.10	2.30	2.40	.80	.95

DETACHABLE SIDE (18)

For Planes	†140
Each	$0.50
	.80

SIDE SCREW (19)

For Planes	†140
Per Pair	$0 20
	.30

FOR STANLEY RABBET; MATCHING AND DADO PLANES

SINGLE PLANE IRON (1)

For Planes	†39	†48	†49	†78	†289	†146	†147
Each	$0.40	.40	.40	.40	.60	1.30	1.30
	65	.65	.65	.65	.95	2.10	2.10

For Planes	†148	†171	†190	†192
Each	$1 30	.80	.40	.40
	2 10	1.30	.65	.65

LEVER CAP (4)

For Planes	†39	†48	†49	†78	†289
Each	$0 20	20	.20	.20	.20
	.30	.30	.30	.30	.30

For Planes	†146	†147	†148
Each	$0 30	.30	.30
	.50	.50	.50

PLANE BOTTOM (16)

For Planes	†39	†48	†49	†78
Each	$2 40	2 40	4.00	2.00
	3 90	3.90	6.40	3.20

For Planes	†289	†146	†147
Each	$2.20	3.00	3.00
	3.90	4.80	4.80

For Planes	†148	†171	†190	†192
Each	$3.00	1.80	1.80	1.80
	4 80	3 60	3.60	3 60

FENCE (50)

For Planes	†48	†49	†78	†289	†171
Each	$1.00	1.00	.50	.40	.60
	1.60	1.60	.80	.65	.95

FENCE THUMB SCREW (51)

For Planes	†78	†289	†171
Each	$0 10	.10	10
	.15	.15	.15

SHORT ARM (61)

For Planes	†78	†289	†171
Each	$0.20	.20	.40
	.30	.30	.65

ADJUSTABLE DEPTH GAUGE (70)

For Planes	†39	†78	†289	†190	†192
Each	$0 10	.40	10	.40	.40
	.65	.65	.65	.65	.65

DEPTH GAUGE THUMB SCREW (71)

For Planes	†39	†78	†289	†190	†192
Each	$0.20	.20	.20	.30	.30
	.30	.30	.30	.50	.50

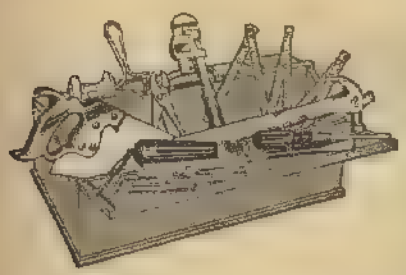
SPURS WITH SCREWS (85)

For Planes	†39	†78	†289	†190	†192
Each	$0 20	.10	.10	0	10
	30	15	15	15	.15

Items Marked † Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory, New Britain, Conn.

STANLEY TOOL CABINETS

Made of black walnut, very finely finished. The paneled doors are hung on brass hinges. Cylinder lock with two keys. Tools are held firmly in place by specially constructed clips. Drawers are divided into compartments for holding small tools.



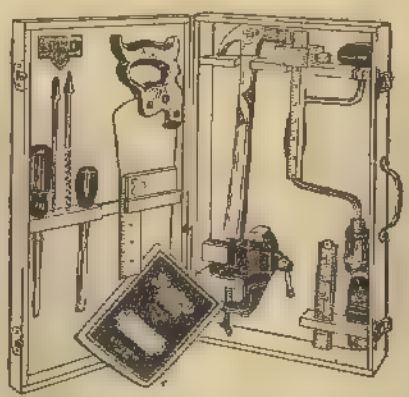
No. T888C—Contains 12 tools, w't 20 lbs. .....each **$21.50**

Contents, one each of the following:

No. 04 Stanley Zig Zig Rule
No. 12, 13 oz. Stanley Hammer
No. 302 Stanley Hollow Tool Set containing:

Two Saws	Glass Cutter
Chisel	Coping Saw with extra blades
Gimlet Bit	Stanley Chalkline Reel
Three cornered Tapering File	Adjustable Pipe Wrench
Reamer	16 in., 10 point Hand Saw
Screw Driver	No. 11 Stanley Nail Set
Pair Pliers	
Two Brad Awls	

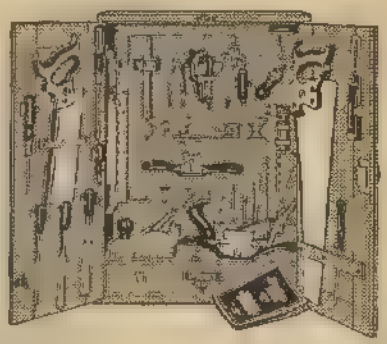
½ in. Stanley Cold Chisel
No. 20, 4 in. Stanley Hurwood Screw Driver



No. T904—Contains 12 Stanley tools, size 11¼ in. wide, 4 in. deep, 19¼ in. long, w't 11¾ lbs., Chest is made of wood finished in dark mission stain and sturdily constructed with three hinges, two clasps and a carrying handle; all of the tools are held each in its place in wooden pockets, each **$15.30**

This Chest contains the following:

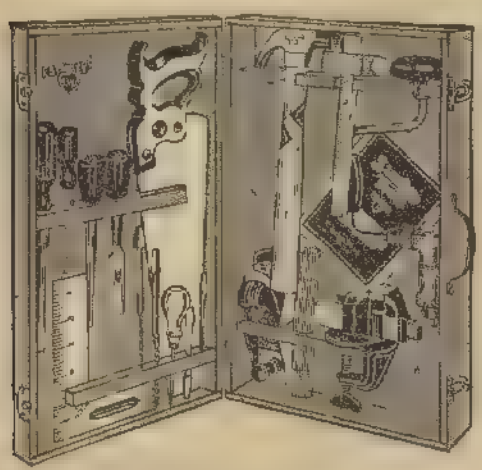
1 Hammer	10 oz	No. 12B
1 Screw Driver	4 in	No. 70
1 Rule	2 ft.	No. 68A
1 Saw	14 in	
1 Try Square	4½ in	No. 20
1 Marking Gauge		No. 61
1 Plane		No. 102
1 Chisel	½ in	No. 50
1 Bit Brace	8 in.	No. 966
1 Auger Bit	⅜ in.	
1 Auger Bit	¼ in.	
1 Vise		No. 741



No. T851—Contains 35 tools, height 26½ in., width 19¾ in., depth 8 in. w't 80 lbs. .....each **$90.50**

Contents, one each of the following:

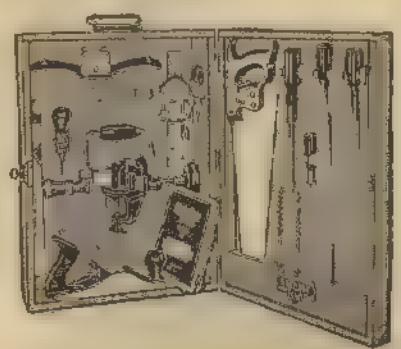
No. 25, 8 in. Bevel
No. 20, 5 in. Screw Driver
No. 40, 4 in. Screw Driver
No. 50, 3 in. Screw Driver
No. 105, Zig Zag Rule
No. 40, ½ in. Chisel
No. 40, ½ in. Chisel
No. 40, 1 in. Chisel
No. 18, B Steel Squares
No. 65¼ Gauge
No. 741 Vise
No. 915, 8 in. Bit Brace
No. 305 Hollow Handle Tool Set
No. 36, G, 12 in. Plumb and Level
No. 151 Spoke Shave
No. 5¼ Plane
No. 60 Plane
No. 80 Scraper
No. 11, 2-32 in. Nail Set
No. 1A, ½ in. x 6 in. Cold Chisel
No. 25, ⅞ in. Screw Driver Bit
No. 49 Bit Gauge
No. 21, 9 in. Square
No. 12, 13 oz. Hammer
No. 147, 4 oz. Hammer
20 in. Panel Saw
Keyhole Saw
Pair Pliers
Oil Stone
11 in. Back Saw
Gimlet Bit
¼ in. Auger Bit
⅜ in. Auger Bit
½ in. Auger Bit
Coping Saw with 12 Extra Blades



No. T903—Size 11¼ in. wide, 4 in. deep, 19¼ in. long, w't 14 lbs., chest is made of wood, finished in dark mission stain and sturdily constructed with three hinges, two clasps and a carrying handle; all of the tools are held each in its place in wooden pockets .....each **$22.90**

This Chest contains the following:

1 Hammer	13 oz.	No. 12
1 Screw Driver	5 in.	No. 20
1 Screw Driver	3 in.	No. 50
1 Rule, Zig Zag	4 ft.	No. 04
1 Saw	14 in.	
1 Try and Mitre Square	7½ in.	No. 2
1 Marking Gauge		No. 62
1 Plane		No. 220
1 Chisel	¾ in.	No. 50
1 Chisel	¼ in.	No. 50
1 Bit Brace	8 in.	No. 945
1 Auger Bit	⅜ in.	
1 Auger Bit	¼ in.	
1 Gimlet Bit		
1 Screw Driver Bit	⅛ in.	No. 26
1 Awl		No. 1
1 Vise		No. 741

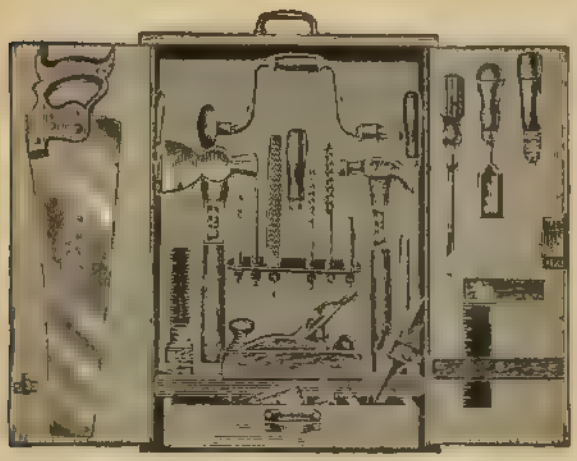


No. T862—Contains 17 Stanley tools, size 14 in. wide, 6¼ in. deep, 20 in. long, w't 19 lbs., cabinet made of hardwood, highly finished mission oak and sturdily built with three hinges, a lock and carrying handle; each tool is fastened securely in its place by a specially constructed clip .....each **$37.70**

This Cabinet contains the following:

1 Hammer	13 oz.	No. 12
1 Screw Driver	5 in.	No. 20
1 Screw Driver	3 in.	No. 50
1 Rule, Zig Zag	4 ft.	No. 04
1 Saw	16 in.	
1 Plane		No. 3
1 Chisel	⅜ in.	No. 40
1 Chisel	¼ in.	No. 40
1 Spoke Shave		No. 151
1 Bit Brace	8 in.	No. 945
1 Auger Bit	⅜ in	
1 Auger Bit	¼ in.	
1 Gimlet Bit		
1 pair of Pliers		
1 Hollow Handle Tool Set		No. 306
1 Vise		No. 741
1 Odd Job		No. 1

TOOL CABINETS

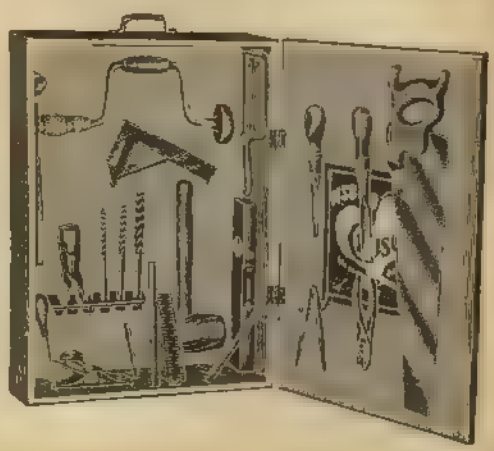


No. T125 —Hardwood, nicely varnished, dovetailed, with two paneled doors, outside measurement 24x17x6 in., inside measurement 22¾x15¾x5¼ in., inside drawer 13¼x3x2 in., brass hinges, lock with key and heavy brass bolt with 21 best grade tools, w't each 43 lbs., each **$32.50**

Contents One Each of the Following:

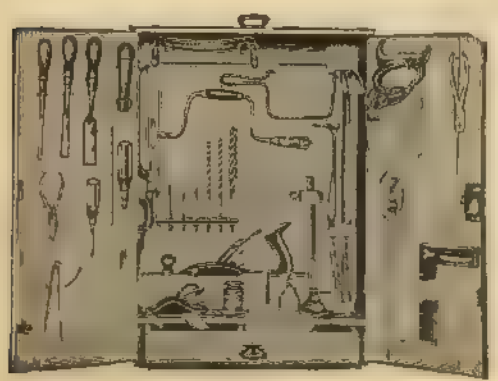
No. 24 Plane.
18 in. Panel Saw.
No. 2 Bell Face Nail Hammer.
No. 1 Shingling Hatchet.
1 each ⅜ and ½ in. Auger Bits.
No. 30—⅝ ends Gimlet Bit.
No. 213—1¼ in. Butt Chisel.
No. 1 Tool Handle.
No. 126 Plier.
No. 8 Cabinet Scraper.
No. 111 Carpenter's Pencil.
8 in. Plain Brace.
No. 20—6 in. Try Square.
6 in. Screw Driver.
No. 70—6 in. Oil Stone.
8 in. Mill File, with Handle.
5½ in. Slim Taper File, with Handle.
No. 44 Nail Set.
No. 61 Rule.
No. 62 Marking Gauge.
No. 31 Copper Plated Oiler.
2 oz. LePage's Glue.

No. 115—CRUSO, cottonwood box, size 24x17x6 in., nicely finished, fitted with one handle on end, contains 25 tools, w't each 21 lbs. . . . . each **$13.50**



Contents One Each of the Following:

No. 012 Calumet Hammer.
No. 315—¾ in. Chisel.
No. 50—18 in. Panel Saw.
No. 100 Coping Saw.
No. F68 Rule.
1 each ¼, ⅜ and ½ in. No. 62 Auger Bits.
No. P8 Brace.
No. 306 Plier.
No. 26—6 in. Try Square.
No. 10—4 in. Screw Driver.
No. 25 Gimlet.
No. R102 Plane.
No. 20 Mallet.
No. 100 Scratch Awl.
No. 35½ Nail Set.
No. 155 Level.
No. 01 Alligator Wrench.
No. 3—6 in. Divider.
2 oz. Glue.
No. 111 Pencil.

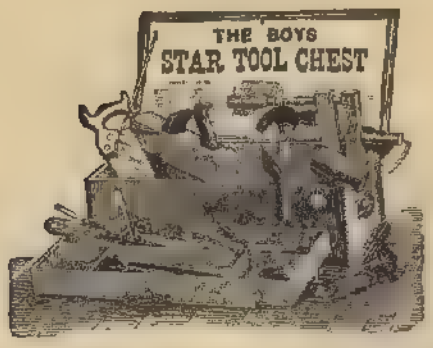


No. T101 Hibbard—Hardwood, dovetailed, panneled and nicely finished, outside dimensions 26¾·19¾x8 3/16 in., contains 35 first quality tools, w't each 55 lbs., each **$41.00**

Contents One Each of the Following:

2 Planes.
1 Rule.
1 Try Square.
1 Marking Gauge.
1 Knurled Nail Set.
1 Pair Wing Dividers.
1 Pair Gas Pliers.
1 Pair Flat Nose Pliers.
1 Pair Cutting Nippers.
1 Saw File.
1 Oil Whetstone.
1 Oiler.
1 Coping Saw.
1 Glue Pot.
1 Drawing Knife.
1 18 in. Saw.
1 Brace.
3 Gimlets.
3 Auger Bits.
3 Chisels.
2 Screw Drivers.
1 Hack Saw.
1 Hexagon Level.
1 Countersink.
1 Cabinet Scraper.
1 Steel Nail Hammer.
1 Tack Hammer.
1 Tool Holder, with 10 Tools.

TOOL CHESTS



Chestnut Box, Heavy Brown Moulding.

No. 245—Size 9½x4½x2½ in., hinged cover, locked corners, well finished, containing about 8 tools, w't per doz. 17½ lbs. .....per dozen $10 00

No. 260—Size 11x5x3⅝ in., with till, hinged cover, containing about 11 tools, w't per doz. 40 lbs. ..per dozen $18.60

No. 290—Size 12¾x6x4¼ in., with tray, locked corners, containing about 13 tools, w't per doz. 62½ lbs., per dozen $25.30

No. 2600—Size 14½x6¾x4¾ in., with tray, containing about 16 tools, w't per doz. 90 lbs. .....per dozen $32.00

No. 2700—Size 15½x7½x5⅜ in., with tray, containing about 16 tools, w't per doz. 105 lbs. .....per dozen $45.00

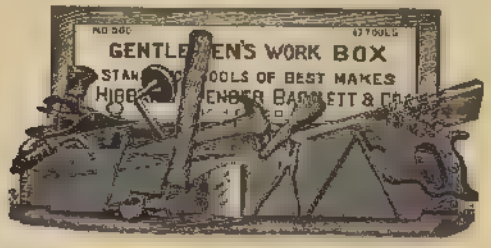
No. 2725—Size 16½x7⅝x6 in., with tray, polished hammer, large level, brace and bit, containing about 16 tools, w't per doz. 110 lbs. .....per dozen $56.00

No. 2750—Size 17x8x6 in., with tray, bronze handles, containing about 24 tools, w't per doz. 125 lbs., per dozen $64.00

No. 2800—Size 18x8½x6⅝ in., with tray, bronze handles, containing about 28 tools, w't per doz. 140 lbs., per dozen $80 00

NO. 45B, SIX DOZEN; NO. 60B, THREE DOZEN; NO. 90B, TWO DOZEN; BALANCE, ONE DOZEN IN A CRATE.

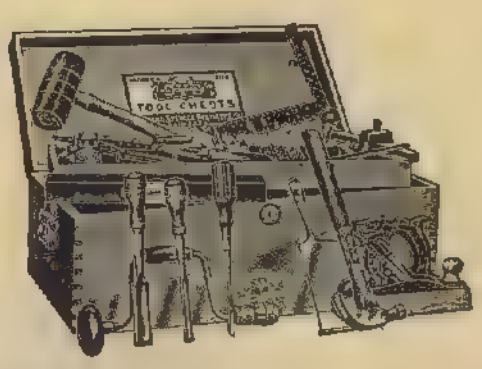
All sizes given are inside measures.



No. 500—H. S. B. & Co.'s men's work box, containing 17 different tools as enumerated below, made by the best makers and taken direct from stock, the assortment includes just such tools as every man needs about the house, dovetailed box, length 2 ft. 3½ in., width 8½ in., height 4⅛ in., w't 19 lbs. .....each $14.50

Contents One Each of the Following:

No. 102 Level.
No. 40 Tool Handle
Pair 6-in. Button Pliers.
No. 1—5 in. Screw Driver.
No. 61 Rule.
⅜ in. Agricultural Wrench.
1 each ¼, ½, ¾ and 1 in. Cast Steel Auger Bit.
No. 35—7/32 in. German Gimlet Bit.
No. 2 Maricopa Half Hatchet.
No. 110 Stanley Block Plane.
8 in. Washita Oil Stone, 1 lb.
Calumet Bell Face Nail Hammer.
No. 80—22 in. Panel Saw.
10 in. Barker's Brace.

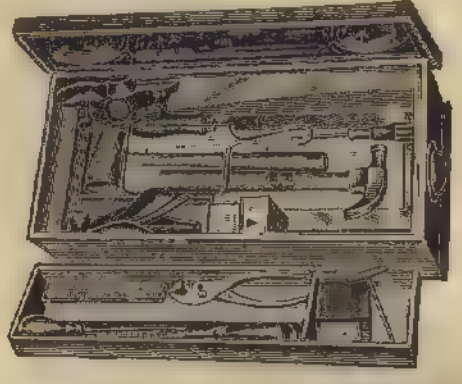


No. T200—Hardwood box with tray size 25½x11½x9 in. dovetailed box, nicely finished, fitted with lock and key and chest handles on ends, contains 25 high grade tools, w't 40 lbs. ..... .each $32.00

Contents One Each of the Following:

No. 2 A. E. Nail Hammer.
½ in. Socket Butt Chisel.
1 in. Socket Butt Chisel.
20 in. Panel Saw.
No. 100 Coping Saw.
6 in. Wing Divider.
10 in. Steel Square.
Scratch Awl.
No. 62 Marking Gauge.
No. R24 Plane.
No. 22½ Mallet.
No. 102 Level.
No. 03 Zigzag Rule.
6 in. Flat Bastard File and Handle.
6 in. Flat Slim Taper and Handle.
1 each ¼, ⅜, ½ and ¾ in. Auger Bits.
Gimlet.
8 in. Plain Brace.
5 in. Screw Driver.
No. 35½ Nail Set.
No. 322 Pliers.
Alligator Wrench.
No. 31 Oiler.
2 oz. of Glue.
No. 111 Carpenter's Pencil.

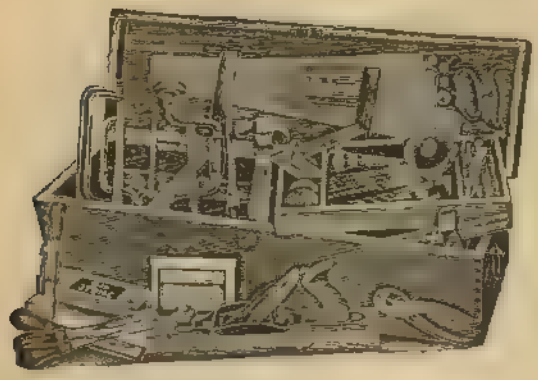
CRUSO BOYS'



Not a cheap plaything, but a real set of tools with which a boy can do careful work. A great bargain at the price quoted.

No. 1800—Contains 15 well-made serviceable tools taken from our regular stock; No. 3 Cruso nail hammer, No. 14 Cruso panel saw, No. 20 Cruso mallet, ½-inch butt chisel, No. 110R Stanley plane, No. 012 3-in. screw driver, No. 0100 coping saw, No. 6 try square, 1-ft. flat rule, No. 68 boxwood rule, No. 010 gimlet, 8-in. mill file with handle, No. 306 plier, scratch awl; Also package tacks, brads and wire nails; Chest is 18½x8½x6⅝ in. with tray; w't 14 lbs. Nicely finished, each $11.50

HIBBARD TOOL CHESTS

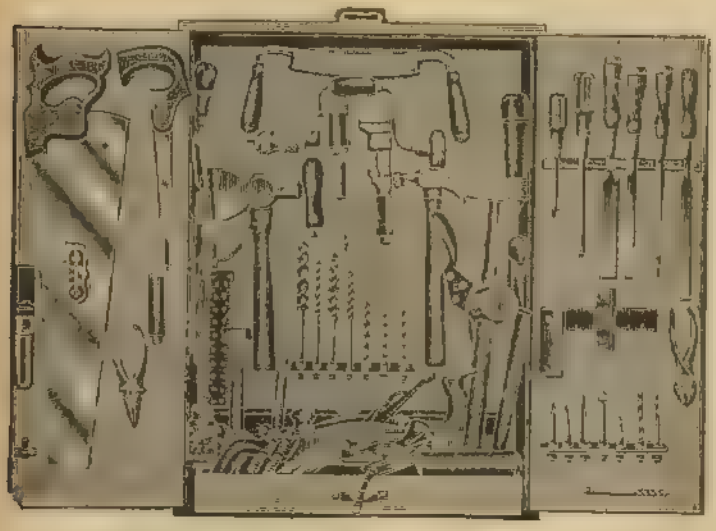


No. T140 Hibbard—Hardwood dovetailed box, with tray size 30×8½×7½ in., nicely finished, fitted with lock and key and enameled chest handles on ends—contains 40 high grade tools especially adapted for home and farm use, w't each 45 lbs. .....each $36.00

Contents One Each of the Following:

No. 211½ Hibbard Haammer.
24 in. No. 70 Hibbard Saw.
No. R26 Rivetsc Plane.
Each ½, ¾, and 1½ in. No. 315. Chisels.
No. 208 Brace.
Each 5/16, 7/16, 9/16, 11/16, 13/16 and 1 3/16 in. No. 26 Hibbard. Auger Bits.
Each ¼, 9/32, 5/16, ⅜ and 7/16 in. No. 108 Hibbard Bit Stock Drills.
Each 6 and 10 in. Hibbard Mill Files.
6 in. Hibbard Slim Taper File.
8 in. Hibbard Round Bastard. File.
8 in. No. 14 Hibbard Wrench.
No. 600 Hibbard Pliers.
6 in. No. 6 Hibbard Screw Driver.
½ in. Hibbard Cold Chisel.
No. 11 Hibbard Nail Set.
No. 33 Hibbard Tape.
No. 127 Hibbard Screw Driver Bit.
No. 1 Hibbard Scratch Awl.
Brad Awl.
No. 1 Gimlet.
No. 121 Hack Saw Frame and Blade.
No. 100 Coping Saw and 1 doz. Blades.
No 62 Marking Gauge
No 26 Try Square.
No. 61 Rule.
No. 277 Oil Stones.
No. 24 Hibbard Sand Paper Assortment.
No. 3 Chalk Line and Chalk.

TOOL CABINETS



No. T150—Hardwood, nicely varnished, dovetailed, with two paneled doors, brass hinges, lock with key and heavy brass bolt, outside measurement 31 22½×7½ in., inside measurement 29¾×21×7¼ in , inside drawer 19½×5×2 in., 60 best grade tools, w't each 85 lbs. .....each $75.10

Contents One Each of the Following:

8 in. Drawing Knife.
No. 1908—8 in. Ratchet Brace.
¼, ½, ¾ and 1 in. Auger Bits.
No. 30—4 and 5/32nds Gimlet Bits.
No. 18 Countersink Bit.
8 in. Mill File with Handle.
No. 2 Spoke Shave.
1 each No. 9A ¼, 5/16, ⅜, 7/16 and ½ in. Drill Bits.
No. 1—¼ in. Reamer Bit.
No. 7 Screw Driver Bit,
¼, ½ and 1 in. Socket Firmer Beveled Chisels.
No. 31 Oiler.
No. 12 Mallet.
No. 2 Carriage Maker's Clamp.
No. 041 Yankee Hand Drill.
5½ in. Slim Taper File, with Handle.
10 in. Half Round Cabinet File, with Handle.

Contents—Continued.

No. 716 Mounted Oil Stone.
No. 2 Tool Handle.
3 in. Screw Driver.
6 in. Screw Driver.
8 in. Wing Divider.
Scratch Awl.
Brad Awl.
No. 44 Nail Set.
No. 206 Combination Plier.
No. 5 Glass Cutter.
No. 22 Cabinet Scraper.
No. 33 Measuring Tape.
No. 781 Carpenter's Pencil.
No. 62 Marking Gauge.
2 ounces LePage's Glue.
No. 60 ½ in. Socket Firmer Gouge.
No. 00 Level.
1 doz No. 1—9 in. Hack Saw Blades.
Tack Claw.
No. 61 Rule.
8 in. Agricultural Wrench.
No. 26 Rivetsc Jack Plane.
No. 9½ Rivetsc Block Plane.
22 in. Panel Saw.
12 in. Compass Saw.
Hack Saw Frame.
Coping Saw.
No. 2 Bell Face Nail Hammer.
No. 1 Riveting Hammer.
No. 1 Shingling Hatchet.
No. 10 Blue Steel Square.
No. 20—6 in. Try Square.
No. 25—8 in. Sliding T Bevel.

BICYCLES

"SUHACO SPECIAL" WITH "LESTER" COASTER BRAKE

MODEL A

MEN'S OR WOMEN'S MODEL

Frame. 22-inch. Option, 20 or 24 inch. Main Frame Tubes 1-inch, 19-Gauge Tubing. Flush Joints at Seat-Post Cluster. Flush at Head and Crank Bracket. Upper and Lower Rear Fork Tubes ⅞ inch Round
Front Fork. Drop Forged Crown, Fork Sides Nicely Tapered
Finish. Black with Red Head. All Bright Parts Heavily Nickeled
Seat Post. 1⅛ inch L Pattern. Stem Brazed to Drop Forged ⅝-inch Top Rail.
Wheels. 28-inch Diameter No. 2 Standard Spokes, 32 Front and 36 Rear, with Straight Hubs of High Grade Design. Rims Enameled Black with Double Gold Stripe and Red Center Band.
Coaster Brake. "Lester"
Cranks. One Piece Forged. 7-inch Throw.
Sprockets. Neat Design, in 26-Tooth Front only, 9-Tooth Rear, Milled to take ⅜-inch, 1-inch Pitch, **Roller Type Chain.**
Bearings. Full Ball Bearings Throughout. Cups and Cones of Highest Quality Steel Carefully Hardened and Ground
Equipment. Saddle No. 6A. Pirate Pedals No. 1. Handle Bars No 201 Handle Bar Grips No. 2.

	Each
No. 10 –Equipped with Delta Unguaranteed Tires	$40.00
No. 11—Equipped with Fairview 60-Day Guaranteed Tires	41.00
No. 12—Equipped with Electra Guaranteed Tires	42.00
No. 13—Equipped with Eclipse Guaranteed Tires	42.50
No. 14—Equipped with Majestic Guaranteed Tires	43.00
No. 15—Equipped with Quaker City Guaranteed Tires	43.50
No. 16—Equipped with Suhaco Guaranteed Tires	43.50
No. 17—Equipped with Great American Guaranteed Tires	44.00
No. 18 Equipped with Girard Guaranteed Tires	45.00
No. 19—Equipped with Delphia Guaranteed Tires	46.00
No. 20 Equipped with White Flyer Guaranteed Tires	47.00
No. 21—Equipped with Motor Bi Guaranteed Tires	48.00
No. 22—Equipped with Continental-Erie Single Clinch Guaranteed Tires	47.00
No. 23—Equipped with Continental-Erie Double Clinch Guaranteed Tires	48.00
No. 24—Equipped with Indianapolis G. and J. Guaranteed Tires	50.00

EXTRAS

	Each
New Departure Coaster Brake	$2.00
Tool Bag and Tools (No. 8 Tool Bag, No. 9 Hand Pump, A1 Wrench, No. 3 Star Oiler)	1.25
Mud Guards No. 201	3.00
Enameled any Solid Color or Combination Color. Ordered in from factory only	1.25
Front Arch Truss Frame. Ordered in from factory only	4.00
Double Bar. Ordered in from factory only	4.00
Women's Model, 22 Inch Only. Equipped same as Mens Except with 14U Saddle. Ideal I. J. Pedals	5.00
Spring Fork "Standard"	7.00

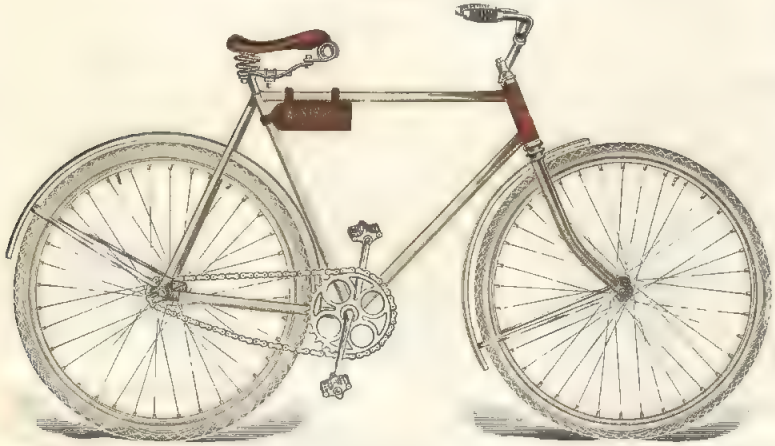
DEDUCTIONS

	Each
Less Coaster Brake	$4.00

BICYCLES

"LIBERTY BELL" WITH "ATHERTON" COASTER BRAKE

MODEL G



MEN'S MODEL ONLY. EQUIPPED WITH TOOL BAG, TOOLS AND MUD GUARDS

Frame 22 inch. Option, 20 or 24 inch. Main Frame Tubes 1-inch, 19-Ga. Tubing. Flush Joints at Seat-Post Cluster Flush at Head and Crank Bracket. Upper and Lower Rear Fork Tubes ⅝ inch round, Tapering to ½ inch at Fork Toes.

Front Fork. Built of ½-inch Reinforced Sides, and Red Stripe. Orient 3-Plate Crown, Nickel Plated.

Finish. French Gray with Dark Red Head.

Seat Post. 1⅛ inch, L Pattern, Stem Brazed to Drop Forged ⅞-inch Top Rail.

Wheels. 28-inch Diameter, No. 2 Standard Spokes, 36 Spokes Front, 36 Rear, with Concave Hubs of High Grade Materials and Newest Design. Rims Enameled Aluminum with Blue and Red Stripe.

Coaster Brake. "Atherton."

Cranks. One Piece Forged; 7-inch Throw.

Sprockets. Neat Design, 26-tooth Front only. 9-tooth Rear. Milled to take ⅝ inch, 1-inch pitch, **Roller Type Chains.**

Bearings. All Cups and Cones Made of High Grade Stock, Dust Proof and Fitted with Ball Retainers.

Equipment. Saddle No. 6U. Ideal Pedals No. 1M. Handle Bars No. 190. Handle Bar Grips No. 8. Tool Bag No. 8. Hand Pump No. 9. Star Oiler. No. A1 Wrench. With Mud Guards.

		Each		
No. 110—Equipped with Delta Unguaranteed Tires		**$48.00**	----	----
No. 111—Equipped with Fairview 60-Day Guaranteed Tires		**49.00**	----	----
No. 112—Equipped with Electra Guaranteed Tires		**50.00**	----	----
No. 113—Equipped with Eclipse Guaranteed Tires		**50.50**	----	----
No. 114—Equipped with Majestic Guaranteed Tires		**51.00**	----	----
No. 115—Equipped with Quaker City Guaranteed Tires		**52.00**	----	----
No. 116—Equipped with Suhaco Guaranteed Tires		**52.00**	----	----
No. 117—Equipped with Great American Guaranteed Tires		**53.00**	----	----
No. 118—Equipped with Girard Guaranteed Tires		**54.00**	----	----
No. 119 Equipped with Delphia Guaranteed Tires		**55.00**	----	----
No. 120—Equipped with White Flyer Guaranteed Tires		**56.00**	----	----
No. 121 Equipped with Motor Bi Guaranteed Tires		**57.00**	----	----
No. 122—Equipped with Continental-Erie Single Clinch Guaranteed Tires		**56.00**	----	----
No. 123—Equipped with Continental-Erie Double Clinch Guaranteed Tires		**57.00**	----	----
No. 124 Equipped with Indianapolis G. & J. Guaranteed Tires		**60.00**	----	----

EXTRAS

	Each		
New Departure Coaster Brakes	**$1.00**	----	----
Double Bar Ordered in from Factory only	**4.00**	----	----
Spring Fork "Standard"	**7.00**	----	----
Enameled any Solid Color or Combination Color Ordered in from Factory only	**1.25**	----	----

DEDUCTIONS

	Each	
Less Coaster Brake	**$5.00**	----

BICYCLES

"LIBERTY BELL" WITH "ATHERTON" COASTER BRAKE

MODEL M

MEN'S MODEL ONLY. MOTOR EQUIPMENT

Frame 22-inch. Option, 20 or 24 inch Main Frame Tubes 1-inch, 19-Ga. Tubing Flush Joints At Seat-Post Cluster. Flush at Head and Crank Bracket. Upper and Lower Rear Fork Tubes $\frac{7}{8}$ inch Round, Tapering to $\frac{5}{8}$ inch at Fork Toes

Front Fork. Made of $\frac{1}{2}$-inch Reinforced Sides, and Red Stripe. Orient 3-Plate Crown, Nickel Plated.

Finish. French Gray with Dark Red Head.

Seat Post. $\frac{14}{16}$ inch L Pattern, Stem Brazed to Drop Forged $\frac{1}{2}$-inch Top Rail.

Wheels. 28-inch Diameter, No. 2 Standard Spokes, 36 Spokes Front, 36 Rear, with Concave Hubs of High Grade Design. Rims Enameled Aluminum, with Blue and Red Stripe.

Coaster Brake. "Atherton"

Cranks. One Piece Forged; 7-inch Throw.

Sprockets. Neat Design, in 26-tooth Front only, 9-tooth Rear; mated to take $\frac{1}{2}$-inch by $\frac{1}{2}$-inch, pitch, **Roller Type Chains.**

Bearings. All Cups and Cones made of High Grade Stock, Dust Proof, and fitted with Ball Retainers.

Equipment. Saddle Star X Ideal Pedals No. 1M Handle Bars No. 208. Handle Bar Grips No. 9 Tool Bag No. 5. Frame Pump No. 12. Perfect Oiler Sterling No. 1 Wrench. With Mud Guards and Splasher No. 1 Stand.

	Each		
No. 210—Equipped with Delta Unguaranteed Tires	**$54.00**	----	----
No. 211—Equipped with Fairview 60-Day Guaranteed Tires	**55.00**	----	----
No. 212—Equipped with Electra Guaranteed Tires	**56.00**	----	----
No. 213 Equipped with Eclipse Guaranteed Tires	**56.50**	----	----
No. 214—Equipped with Majestic Guaranteed Tires	**57.00**	----	----
No. 215—Equipped with Quaker City Guaranteed Tires	**57.50**	----	----
No. 216—Equipped with Suhaco Guaranteed Tires	**57.50**	----	----
No. 217—Equipped with Great American Guaranteed Tires	**58.00**	----	----
No. 218—Equipped with Girard Guaranteed Tires	**59.00**	----	----
No. 219—Equipped with Delphia Guaranteed Tires	**60.00**	----	----
No. 220—Equipped with White Flyer Guaranteed Tires	**61.00**	----	----
No. 221 Equipped with Motor Bi Guaranteed Tires	**62.00**	----	----
No. 222 Equipped with Continental-Erie Single Clinch Guaranteed Tires	**61.00**	----	----
No. 223—Equipped with Continental-Erie Double Clinch Guaranteed Tires	**62.00**	----	----
No. 224—Equipped with Indianapolis G. & J. Guaranteed Tires	**65.00**	----	----

EXTRAS

	Each		
New Departure Coaster Brake	**$1.00**	---	---
Double Bar. Ordered in from Factory only	**4.00**	---	---
Spring Fork "Standard"	**7.00**	---	---
Enameled any Solid Color or Combination Color. Ordered in from Factory only	**1.25**	---	---

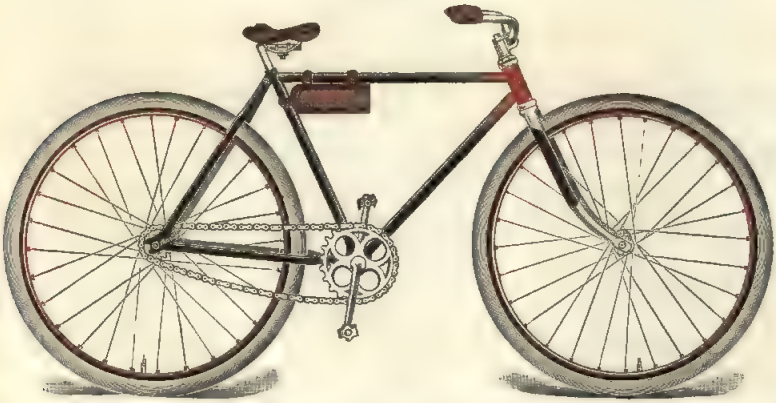
DEDUCTIONS

	Each	
Less Coaster Brake	**$5.00**	---

BICYCLES

"SUHACO SPECIAL" JUVENILE WITH "LESTER" COASTER BRAKE

MODEL J



BOYS' OR GIRLS' MODEL. EQUIPPED WITH OR WITHOUT TOOL BAG AND TOOLS

Frame. The Main Frame is Made of Best 1-inch Shelby Seamless Steel Tubing, and the Upper Rear Fork Stays, which are ½ inch in Diameter, and the Lower Rear Fork Stays, which are ⅜ inch in Diameter, are Ovaled and Tapered, Bent to Follow the Curve of the Wheel, Making a Very Handsome Appearance, and Adds Much to Its Attractiveness. All Frame Joints are Flush, also Reinforced, and the Seat Post is Locked in Position with our Improved Type of Binding Bolt. New Head Fittings with ⅜-inch Balls, Perfect Adjustment.

Fork Crown. Special Forged, Nickel Plated and Buffed

Finish. Boys and Girls are Generally Very Particular About the Way Their Bicycles are Finished. Our Juvenile Bicycles Excel in This Particular, Having Four Coats of High Grade Black Enamel with Red Head, and all Nickel Parts Handsomely Polished Rims Enameled Black with Double Gold Stripe and Red Center Band.

Tires. For Models Nos. 1 and 2, 26 inches in Diameter—our 1½-inch "Daisy" Juvenile Single Tube Guaranteed. For Models Nos. 3 and 4, 24 inches in Diameter, our 1¾-inch "Daisy" Juvenile Single Tube Guaranteed. For Models Nos. 5 and 6, 26 inches in Diameter, our 1¼-inch "Star" Unguaranteed Tires. For Models Nos. 7 and 8, 24 inches in Diameter, our 1⅜-inch "Star" Unguaranteed Tires.

Wheels. Special Juvenile Straight Hubs. Tool Steel Bearings, Black Rims with Red Centers.

Gear. The Gear of Models Nos. 1, 2, 5 and 6 Regularly Furnished is 65 inches, while the Gear of the Models Nos. 3, 4, 7 and 8 (These Being for a Smaller Child) Regularly Furnished is 60 inches

Chain. The Driving Chains are ⅜-inch of Good Quality.

Cranks. The Cranks are of One Piece. There Are No Bolts or Nuts to Loosen and Get Lost), and on Both Models are 5½ inches in Length. Bearings, High Grade Steel. Cups and Cones, Hardened and Polished

Pedals. Pirate No. 2

Saddle. The Saddles are of the Troxel Juvenile Pattern, Comfortably Padded, and are Shaped Like the Saddles Supplied on Bicycles Used by Grown-up People

Coaster Brake. "Lester."

Handle Bars. The Handle Bars Furnished are 16-inch Adjustable. These can be Adjusted to Suit the Riders Convenience. The Handle Bar Grips are Made of Wound Leather, and are Not Easily Damaged by Falls.

Girls' Models are all Equipped with Rear Dress Guard and Lacing.

Boys' Model Nos. 1 and 3 Equipped with Tool Bag No. 8, Hand Pump, Star Oiler and No. A1 Wrench. Nos. 5 and 7 Do Not Have Tool Bag or Tools

Girls' Model Nos. 2 and 4 Equipped with Tool Bag No. 3, Hand Pump, Star Oiler and No. A1 Wrench. Nos. 6 and 8 Do Not Have Tool Bag or Tools.

						Each		
No. 1	Boys' Model	Wheels, 26 inches	Frame, 18 inches	Guaranteed Tires.	With Tool Bag and Tools	$46.00	----	----
No. 2	Girls' Model	Wheels, 26 inches	Frame, 18 inches	Guaranteed Tires.	With Tool Bag and Tools	51.00	----	----
No. 3	Boys' Model	Wheels, 24 inches	Frame, 16 inches	Guaranteed Tires.	With Tool Bag and Tools	46.00	----	----
No. 4—Girls' Model.		Wheels, 24 inches	Frame, 16 inches.	Guaranteed Tires	With Tool Bag and Tools	51.00	----	----
No. 5	Boys' Model	Wheels, 26 inches	Frame, 18 inches	Unguaranteed Tires.	Without Tool Bag or Tools	44.00	----	----
No. 6—Girls' Model		Wheels, 26 inches.	Frame, 18 inches	Unguaranteed Tires.	Without Tool Bag or Tools	49.00	----	----
No. 7—Boys' Model		Wheels, 24 inches	Frame, 16 inches	Unguaranteed Tires.	Without Tool Bag or Tools	44.00	----	----
No. 8—Girls' Model		Wheels 24 inches	Frame, 16 inches	Unguaranteed Tires	Without Tool Bag or Tools	46.00	----	----

DEDUCTIONS

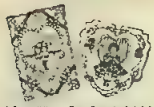
	Each	
Less Coaster Brake	$4.00	---

Valentines

New ideas, new designs and the very latest suggestions. You'll do a big business if you show these splendid attractive numbers **with price tickets.**

LACE VALENTINE FOLDERS

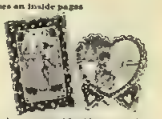
Asstd. fancy cut-out heart and book shapes, fresh new designs in bright colors and gold, embossed, appropriate verses on inside pages



17 styles, average 3½x3 cute kiddies, comic medallions, lacy bkg'ds and floral designs. Asstd 1 doz in box.
85300 Without envelopes. Gro 65c
85301—With envelopes. 95c

18 styles, average 4¾ x 3½ dainty juveniles, country scenes, flora, and bird designs. Asstd 1 doz in box.
85302—Without envelopes. Gro $1.00
85303—With envelopes 1.30

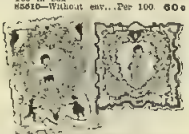
6 styles, book shape, 4x2¾, kiddie center medallions, lacy backgrounds, honeycomb tissue red heart inserts. Asstd 100 in box.
85610—Without env...Per 100 60c



18 styles, average 4¾x3½, quaint juvenile and comic medallions, red heart and lace inserts. Asstd 6 doz in box.
85304—With envelopes Doz 15c

19 styles, average 4¾x3, cute kiddies in motor cars and humorous poses, cupid, floral and comic designs. Asstd 6 doz in box.
85305 With envelopes Doz 24c

18 styles, average 4¾x4, scenic backgrounds, juvenile medallion centers, fancy lace frill mounts. Asstd 6 doz in box.
85306—With envelopes Doz 35c

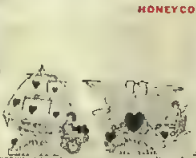


18 styles, average 5x3¾, kiddie designs novelty backgrounds, assorted lace paper frills, tinsel and lace.
85307 With envelopes Doz 39c

4 styles, average 7x5 floral and scroll background, floral lamp and lace silk mesh lace shade decorations, extra large lace paper frill mounts. Asstd 1 doz in box.
85308—With envelopes Doz 75c

HONEYCOMB TISSUE PAPER NOVELTIES

85312—6 styles, average 4x2¾, lovers, cupids, Baby Bunting, Scotch Bobs, comic subjects, red heart decorations with valentine greetings, honeycomb tissue patriotic lace frill mounts. Asstd 1 doz in box without envelopes. Total $1.08. Doz 18c



85320—6 styles, average 4x2¾, novelty cut valentine designs, fountain shape, vase, cute cupids with cupid hearts and floral ornaments in bright colors, gold tracings, tinsel honeycomb tissue rosettes with valentine greetings. Asstd 4 doz in box with envelopes. Doz 38c

85321 6 styles, average 7¼x4¾, novelty cut out backgrounds, heart decorations in red and gold, bright red honeycomb tissue mounts, the cupid cut outs appropriate valentine greetings. Asstd 2 doz. in box with envelopes. Doz. 69c

85323—6 styles, average 7¼x4¾, novelty cut out floral designs, delicate backgrounds in colors, bright red honeycomb tissue mounts, the cupid cut outs, heart inserts, gold tracings. Asstd 1 doz in box with envelopes. Doz. 78c

85323—7 styles, average 7¼x4¾, floral backgrounds in colors, extra large red honeycomb tissue mounts, the lace cupid and wreath of rose valentine greetings. Asstd 1 doz in box with envelopes. Doz. $1.13

LACE VALENTINE INTRODUCTORY ASSORTMENT

A representative selection giving you a wide variety of all the popular styles to retail at 1c to 10c. Note: Six foot valentine streamer and large red display sign FREE with each assortment.

85309 About 120 styles and sizes, including fancy cut-out lace heart and novelty shapes, color panels, floral designs, cut heart and cupid designs and bird designs in heart shapes, comic kiddies, humorous subjects with comic verses, lace and fancy gold tracings mats with lace paper frill mounts. Assorted cut prices.

To retail at		Total
144 Valentines with envs	1c	$1 44
144 " " "	2c	2 88
72 " " "	5c	3 60
72 " " " 2 for	5c	2 16
96 " " "	5c	4 80
96 " " "	10c	9 60
Total 501	Total retail value	$16 68

Your cost for asst with Free Advertising Sign and Decorative Streamer $ 50

Your Profit, $8.18

This display sign free with assortment

ABBT

$8.50

THIS STREAMER FREE WITH ASSORTMENT

VALENTINES

VALENTINE BOX NOVELTIES

S8537—2 styles, average 7¼x7¾, novelty floral and cupid cut-outs brightly colored, embossed red heart and floral decorations, lace paper mounts. Asstd. 1 doz. in carton Doz. **$2.00**

S8538—6 styles, average 12½x8¾, large cut-out str. figures with parasols, assorted bright colors, varnished, genuine lace and silk trimmed easels, lace paper background. Asstd. 1 doz. in carton Doz. **$3.95**

S8539—2 colors, 11½x7¾, asstd. pink and blue, raised novelty cut-out mounts, bright colors, genuine lace trimmings, lace paper background. Asstd. 2 in carton ..... (Total 90c) Each. **45c**

S8536—2 styles, average 11x9½, highly colored parchment cut-out hearts and scroll s, dainty butterfly and chiffon ribbon decorations, lace paper background silk ribbon hanger. Asstd. 2 in carton. (Total $1.26) Each. **63c**

S8541 13x11½, litho country landscape center raised heart shape mount of forget-me-nots in natural colors with genuine lace trimmings, small cupids and red heart cut-outs, lace paper background, silk ribbon hanger. 1 in box Each. **90c**

Comic Valentines

Entirely new, up-to-the-minute penny sellers

S7005—32 subjects, 3½x7, grocer, butcher, lawyer, old maid, clerk and other old favorites combined with strictly new subjects, taxi driver, golf fan, suffragette, radio fiend, flapper etc. all printed in bright colors, appropriate texts and verses Asstd. 1 gro in pkg Gro. **60c**

VALENTINE DROP NOVELTIES

S8511

S8511—8 styles, average 7x3¾, three-part, cut-out hearts, floral wreaths, juvenile pictures, bird decorations in bright colors, red ribbon hangers Asstd. 4 doz. in box with envelopes.... (Total $1.44) Doz. **36c**

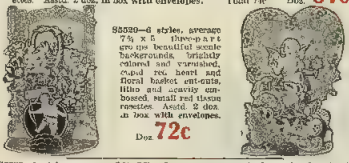
S8512—6 styles, average 12½x3¾, three-part cut-out flora. wreaths with cute juvenile sweetheart pictures, cut-out hearts with floral decorations, red ribbon hangers. Asstd. 2 doz. in box with envelopes. Doz. **63c**

S8512

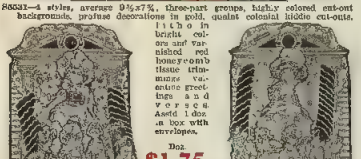
Pull Card and Scenic Novelty Assortments

Three exceptionally fine assortments that are wonderful values to retail at 5c, 10c and 25c

S8519—13 styles, average 6½x5, two and three-part groups, fancy backgrounds brightly colored and varnished, cut-out pictures of cute kittens, floral wreaths and baskets, litho and heavily embossed sma. red asstd. rose ettes Asstd. 2 doz. in box with envelopes. Total 7c Doz. **37c**



S8520—6 styles, average 7½ x 5 three-part groups backgrounds, brightly colored and varnished, cupid rec. heart and floral basket cut-outs, litho and heavily embossed, small red tissue rosettes. Asstd. 2 doz. in box with envelopes. Doz. **72c**



S8521—4 styles, average 9½x7¾, three-part groups, highly colored cut-out backgrounds, profuse decorations in gold, quaint colonial kiddie cut-outs, litho in bright colors and varnished red honeycomb tissue trimmings, valentine greetings and verses. Asstd. 1 doz. in box with envelopes. Doz. **$1.75**

PULL CARDS AND SCENIC NOVELTIES

S8524—6 styles, average 4½x3, two part groups, brightly colored gold tinsel backgrounds, litho and embossed juvenile cut-outs, asstd. red tissue rosettes. Asstd. 100 in box without envelopes. Per 100, **65c**

S8526—12 styles, average 5½x3½, two part groups, fancy embossed openwork backgrounds, bright litho and embossed red heart and floral cut-outs with cupid decorations, small red tissue rosettes. Asstd. 3 doz. in box, with envelopes (Total 90c) Doz. **30c**

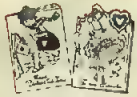
S8527—8 styles, average 6½x3½, three-part groups, fancy floral and scenic backgrounds, bright litho and embossed cut-out pictures of cupids, cute kiddies, autos, sail boats etc., small red tissue rosettes. Asstd. 3 doz. in box with envelopes. (Total 72c) Doz. **36c**

S8528—8 styles, average 7½x3½, three part groups, fancy floral and scroll design openwork backgrounds, litho and heavily embossed cupid and heart cut-outs in bright colors, small red tissue rosettes. Asstd. 3 doz. in box with envelopes Doz. **65c**

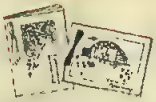
S7016—13 styles, average 7x4 two and three part groups, cut-out old country mansion novelty scenic cut-outs, cute juvenile pictures, honeycomb tissue decorations in bright colors and gold all with envelopes. Asstd. 1 doz. in box Doz. **$1.65**

VALENTINES

VALENTINE BOOKLETS, CARDS AND FOLDERS

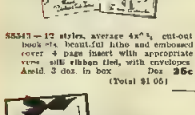


85547—12 styles, average 4¼x3½, cut-out booklets, beautiful lithographed and embossed cover designs, 4 page insert with appropriate verse, silk ribbon tied, with envelopes. Assid. 3 doz. in box. Doz. **35c**



85546—24 styles, average 4½x3½, booklet style, dainty new designs in soft water color effects, all hand finished, 4 page insert with appropriate verse, silk ribbon tied, with envelopes. Assid. doz. in box. Doz. **72c**

(Total $1.44)



85545—12 styles, average 5½x4 assid. flowers, rambler roses, carnations, novelty red and white combinations, rich crane card stock, steel engraved designs and verses, red and gold borders and panel edges, silk ribbons, envelopes with vellums. Assid. 3 doz. in box. Total $1.44 Doz. **72c**

PARTY ACCESSORIES

82114—Decorated crepe paper folds, 4 styles, 10 ft. long, 20 in. wide, each with red heart and gold design, gold and white crepe paper cup and saucer shown above design. Each **$1.05**

Scroll festoons in bright colors and all over red heart design. Assid. 1 doz. in carton.

82000—Crepe paper napkins, 8 styles, 11x11, excellent quality white crepe, cupid aeroplane, red heart and floral decorations in bright colors, gold traced handles. 100 Assid. to M in box. Per M **$2.85**

87071—"Cupid" handled basket, 8 styles, for nuts and candies, etc., in paper, satin, fancy red and white crepe and fringe paper tops, handles fitted with ribbon. Assid. 2½ in box. Each **3½c**

(Total 84c)

87072—Red heart candy box, two inch round, bright red box, heart shape. Cut-out top, assorted novelty decorations in colors. Assid. 2 in carton. Each, **3½c**

(Total 38c)

BIG VARIETY CARD AND FOLDER CABINET ASSORTMENT

5c Sellers

85546—30 styles, assid. cards, folders, cut-outs and novelties with pictures of cute kiddies and sweethearts, attractively lithographed with appropriate verses all with envelopes. Assid. 100 in partitioned display box

BOX of 100. **$2.50**

STEEL ENGRAVED VALENTINE CARD AND FOLDER ASSORTMENT

5c Sellers

85547—15 styles, average 4½x3½, genuine steel engraved cards and folders, many in Redmond's finest grades, exquisite lovely and sweet heart designs in delicate colors, engraved sentiments and verses all with envelopes. Assid. 100 in partitioned display box

BOX of 100 **$2.50**

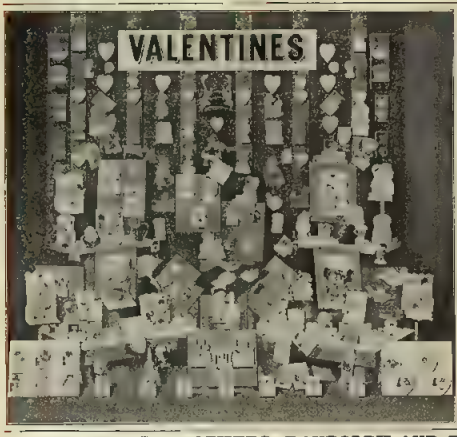
VALENTINE BOOKLET, CARD AND FOLDER ASSORTMENT

10c Sellers

85548—50 styles, average 4½x3½, includes cards, folders and ribbon tied booklets, dainty floral effects, heart effects, landscapes, water color effects, some hand tinted, narrow gold and colored, humorous, appropriate readings and verses all with envelopes. 50 in partitioned display box.

BOX of 50. **$2.50**

SPECIAL WINDOW DISPLAY VALENTINE ASSORTMENT



Assortment specially selected and priced so as to give you a long margin of profit. Large Valentine streamer free with every assortment. Start your profits early by ordering now and making a big showing in your windows.

85523 Splendid variety of lace folders, fold cards and scenic novelties, drop cut-outs, comics, mechanical and honeycomb tissue novelties, all with envelopes except penny sellers. Assd. comprises

	To retail at	Total
144 lace folders	1c	$1 44
72 "	2c	1 80
96 "	3c	2 88
36 "	5c	1 80
12 tissue novelties	5c	1 20
144 stand-up cut-outs	1c	1 44
96 comic cards & scenic novelties	2c	1 80
100 " " "	1c	1 00
12 " " "	25c	3 00
24 " " "	10c	2 40
60 mechanical novelties	5c	3 00
24 " "	10c	2 40
100 comic card books and tags	1c	1 00
36 cut-out booklets	5c	1 80
36 well wishers	5c	1 80
48 dogs	3c	1 40
144 comics	1c	1 44

Total retail value $30 00
Your cost 9 60

Your profit $ 20.40

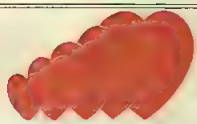
ASST. **$20.00**

NOTE—Price list included for your convenience showing suggested retail price of each item

FREE—THIS 6 FOOT STREAMER WITH EACH ASSORTMENT

VALENTINES

RED HEARTS AND CUT-OUTS



S5330—Plain red hearts in envelopes to retail at 5c, assted as follows: 6 sets, 1¼ to 1½ in ea
" 8 " 1½ " "
" 3 " 2 " "
Assted 5 sets in box Box **80c**

S5549—3 sizes, plain red hearts, 1¾ to 5 in., 50 of each size. Assted. 250 in box (with suggestions for various uses)
BOX of 250. **80c**

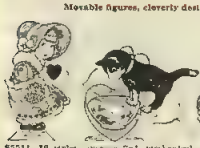
S5531 Assted cupids and darts, average 4x2. 6 in envelope to retail at 5c
envelope. Assted. 24 envelopes in box Box **80c**

S3553—18 styles, average 1¾x . . . cut-out heads figures and group . . . cute little tots in humorist'c poses, bright 4 color greetings
Assted 100 in box ..Per 100, **80c**

S5552—6 styles 2¼x2 4 fancy cut-out hearts, dainty colored and lavender escapes colored and gold, raised floral and heart decorations, novel ornamental effects, some with valentine greetings Assted. 100 in box
Per 100. **60c**

MECHANICAL NOVELTY VALENTINES

Movable figures, cleverly designed, appropriate readings



S5511—18 styles, average 7x4 mechanical cut-out pictures of kittens, sweethearts, postmen flirts with movable heads, bodies, arms etc., printed in assted bright color effects, assel backs
Assted 24 in box with envelopes
Each 2¼c
(Total $1.38) Doz **25c**

S5516—18 styles, average 7x4 mechanical cut-out pictures of scenes showing boys and girls with movable heads, bodies, arms etc., printed in bright color effects, assel backs
Assted 3 doz. in box with envelopes
(Total $1.08) Doz **35c**

S7021—12 styles, average 11x7 mechanical cut-out figures of typical boys and girls, brownie and farmer boys, etc., bright water color effects, all with envelopes
Assted 1 doz in box
Total 78c Doz **39c**

S5017—8 styles, average 9x6 in, who lead assted pairs of kittens, puppies, race horses, golf and baseball players with movable legs, arms, heads etc., in bright colors, easel backs
Assted 2 doz in box with envelopes
(Total $1.44) Doz. **72c**

S7027—8 styles, average 7¼x5 mechanical cut-out dolls and panels, valentine and birthday greetings, with movable eyes heads or bodies, etc., all with envelopes
Assted 1 doz in box
Doz **72c**

S5418—12 styles, average 7¼x5¼ mechanical cut-out pictures of interesting encampments or animals, school boys, etc., all with movable eyes heads or bodies etc., in bright 4 color printing, easel backs
Assted. 1 doz in box with envelopes
Doz **75c**

CUT-OUT VALENTINE NOVELTIES

S5535—12 styles, average 3¾x5½, little lots in cute poses, soft water color effects, stand up bases with assorted greetings
Assted 1 gro in box without envelopes . . . . . Gro **87c**

S5513—24 styles, average 4x3, cute juvenile and sentimental poses, soft water color effects, assorted greetings or verses on cut out rose petal envelopes
Assted. 1 gro in box with envelopes
Gro **$1.35**

S5534—6 styles, average 5¾x4¾, comic cut-out pictures, clever designs, printed in colors, pen points with humorous texts
(Box $1.50) Each **25c**

S5515—14 styles, average 6x3½, bright little children pictures in comic and sentimental poses, making motor cars and sailing, flying with red hearts and wires, easel backs, appropriate greetings
Assted 3 doz in box with envelopes
(Total $1.14) Doz. **38c**

S5536—6 styles, average 6x5¼, comic cut-out figures, flapper tube girl, biker etc., clever designs and brightly printed in 4 colors, ermine feather and ribbon trimmed hats and other unique decorative items make 6 styles assted 3 in box with envelopes
Each **6c**
Doz. $.

S7005—12 styles, average 6x4 standing novelty cut-out figures, rather boyish forms, in bright etc., in bright water color effects, with envelopes
Assted. 1 doz in box Doz. **78c**
Total $.

VALENTINE POST CARDS

S5537—28 subjects, girl heads and figures, Cupids, babies, Dutch kids, cupids, etc., also in 14 colors on excellent card stock heavy embossed
Assted. 100 in box
Per 100, **85c**

S7034—Genuine beaded tinsel series, 30 styles, 3x2½ on heavy red box panels, cute subjects, ribbon trimmed cup in floral baskets and verses with greetings tinsel and lace effect doyleys on
with envelopes. Assted 100 in box
BOX of 100, **$2.50**

S5535—30 subjects, cute kiddies, comics, floral baskets and sprays, red heart and bird decorations, soft water color effects
Assted 60 in box
Per 100 **42c**

S5536—Clapsaddle series, 20 subjects, beautiful juvenile drawings by Ellen H. Clapsaddle, one to overcome, floral and heart greetings in bright water color effects. Assted 20 in box
Per 100 **60c**

WALKING DOLL NOVELTY VALENTINE ASSORTMENT

Never have retailed anywhere at less than 10c. Now is your chance to sell them for a nickel

STAR VALUE

S5515—8 designs, average 9x5, walking figures colonial lads sailors, cowboys, etc., lithographed in 10 bright colors, cardboard heart decorations, sentimental greetings, mechanical verse ring feet
Each in envelope. Assted 2 doz in box
(Total $1.14) Doz **37c**

A ROMANCE STORY OF THE QUALITY GROUP

By E·R·RICKETTS

Vice President and Sales Manager THE [illegible] CONFECTIONERY CO. BOSTON, MASS.

COLOR PAGES IN

Sold Salesmen
Secured jobbers' co-operation
for *Romance*

COX Confectionery Co.

Romance Chocolates

"TRUTHFULLY PURE"

40 to 50 ORLEANS ST 77 to 85 COVE ST

East Boston, Mass., Nov. 14, 1922.

Mr. Carroll J. Swan, N. E. Mgr.,
Ruggles & Brainerd, Inc.,
Representing The Quality Group in Color,
44 Bromfield St., Boston, Mass.

My dear Mr. Swan:

Now that our campaign on ROMANCE Chocolates is well under way this Fall, I am pleased to tell you that its success has far exceeded our expectations.

As you know, we have never before expended a dollar in National Advertising. Frankly, we were a bit skeptical about it, and about your magazines for the advertising of our product.

We knew we had a splendid line of goods in ROMANCE Chocolates, but we had only a limited amount of money to spend this year. When you finally sold us we decided to put all our eggs in one basket and to use The Quality Group in Color exclusively.

We are all mighty glad now that we made that decision.

With the beautiful effects we could get in Color; with the chance to show our package in its original colors, coupled with the great Dealer and Consumer influence of those splendid magazines - Atlantic Monthly, Century, Harper's, Scribner's, Review of Reviews and World's Work - we felt the effect at once.

After our campaign had been laid out, long before the first advertisement appeared, we had a round-up of our Jobbers and explained the campaign to them. These Jobbers had all placed their Fall orders, but on the strength of the advertising plan they gave us additional orders amounting to many times the amount of our whole advertising appropriation.

Then the Merchandising that we did, including the letters your magazines sent to the Jobbing Trade, brought enthusiastic response from all over America. Our New Jersey Jobber sent in an order a short time ago for the advertised ROMANCE line, the largest individual order for any one package we ever received in this factory.

To show you the effect of this upon the general Jobbing Trade, I will give you excerpts from a few of the many letters received.

We have been told by other advertising men, such as the representatives of The Curtis Publishing Co., who have solicited our business, that we have done a remarkable advertising feat on our limited appropriation.

We have heard from every angle:

In enthusing our own Sales' force and our Jobbers' Sales force.
In creating Interest and Action among Jobbers and Retailers
In Consumer influence.

And best of all, in orders all along the line, we have made one of the most remarkable successes in National Advertising.

You will be glad to learn that we have decided to give you an order for The Quality Group in Color in 1923 several times larger than the one this year, the one that made us National Magazine Advertisers.

Very truly yours,
E R Ricketts
Vice President and Sales Manager

MR. RICKETTS has told the sales story of ROMANCE Chocolates.

This experience is not unusual.

It is just another success for The Quality Group—another example of a quality product seeking to win The Quality Market, and going about it in a sensible, logical way.

We have always said that a modest advertising appropriation behind a quality product in The Quality Group, backed up by our merchandising co-operation, whether in black and white, two (2) colors, or four (4) colors, will do more business than a similar amount of money expended in any other way.

Ask us what kind of a sales campaign you can have for:

$11,460. $19,800. $22,920. $25,200.

Ruggles & Brainard Inc.

Color Pages

In The Quality Group

ATLANTIC MONTHLY HARPER'S MAGAZINE SCRIBNER'S MAGAZINE
CENTURY MAGAZINE REVIEW OF REVIEWS WORLD'S WORK

200 Fifth Avenue
New York

THE QUALITY GROUP

Produced orders from dealers
Sent customers to the stores

Chocolates

Here's part of a letter from J. A. Cummings Co. of Pittsburg, Pa. "Two boys on Monday and Tuesday took orders for over 50 Advertising Deals without anything to show the Retailers except to tell them we were going to advertise in these magazines. We want to help in making this Campaign the biggest that has ever been put over. It can be done if you get your other Jobbers' salesmen cooperating 100% as you have done."

From the Clearfield Candy Co., Clearfield, Pa. "We are mighty glad to see that you are going into a big advertising campaign as it certainly will be a boost to ROMANCE. We are not stocking anything else."

Harry Guttman & Co., Cincinatti, Ohio. "Enclosed find order for goods that we must have at once as we are entirely out of everything. ROMANCE Advertising Deals are going great, and if the boys keep up the good work we will have to increase our order."

Here's another sample quotation in a letter from the biggest strictly candy Jobbing house in America - Gard & Margolies, Brooklyn, N. Y. "We thank you for the enthusiasm that you and Mr. Swan, together with Mr. Ruggles, so kindly instilled in our Sales force at the meeting. To show you the result, our men went out and sold 50 Advertising Deals the next day. If this keeps up, and it no doubt will, we will have to triple our order." (Each of the Deals referred to involves the purchase of at least $48. worth of goods.)

The talks on our Campaign that you and we have given to our Jobbers' salesmen have, as you see from the above letter, created enthusiasm and inspired confidence in our company and in our product. We appreciate your offer to extend these talks to Jobbers' salesmen who have not already met with us.

Now, as to Retail Trade. The effect has apparently been just as great. The Deals are have been more receptive to the message of the salesmen, and they themselves, seeing the advertising, have been influenced to get in touch with us. Already this week we have had calls from five different Retailers here in Boston alone, inquiring about our goods and saying that many of their best customers had asked for ROMANCE Chocolates.

For example, Mr. Berkowitz of Berkowitz Bros., Newark, N.J. wrote us a few days ago commenting upon the effect of the Advertising on Retailers in his section, saying, "Did not have any trouble to sell 24 dozen boxes to 18 customers this afternoon."

Out at the Pharmacy near the Peter Bent Brigham Hospital, the manager told us that many of the staff and physicians at the Hospital, who were the best people on his books, had been in asking for ROMANCE Chocolates.

We are now also cashing-in on Direct results from the General Public. The Consumer-effect of the magazines seems to be splendid. We have had a great number of orders from the general public throughout the country, all of whom seemed pleased with ROMANCE Chocolates. In many cases, as a result of demand from Consumers, where territorial conditions warrant it, we have turned these orders over to the Jobbers, who in turn have actually secured new accounts from Retailers who had never handled our line before.

As a result of this Campaign and the increased Sales we have had to step up our production. The Plant has been working to full capacity ever since the Advertising started. If this business continues we will be obliged to enlarge our Plant and double our capacity.

SCREW WRENCHES

COES
KNIFE HANDLE
Forged Steel, One-Piece Head and Bar; Oil Finished; Machine Cut Steel Screw Knurled Head; Hardwood Handle Sides.

Nos.	K6	K8	K10
Length, inches	6	8	10
Jaws Open, Inches	⅜	1¼	1¾
Weight per Dozen, lbs.	9	18	25
Per Dozen	$15 00	18 00	22.00
	12.80	14.00	17.90

Nos.	K12	K15	K18	K21
Length, inches	12	15	18	21
Jaws Open, inches	2⅛	2⅝	3	4⅛
Wt. Per Doz. lbs.	38	55	80	108
Per Dozen	28 00	38.00	48 00	58 00
	22 70	30 80	38 90	47 00

6 to 12 inch, Half Dozen; Other Sizes, Third Dozen, in a Package

AGRICULTURAL WRENCHES

★BRIDGE

Bar Head and Shank; Drop Forged in one piece from Tool Steel, Black Finish; Polished Ferrule, Hardwood Handle.

Nos.	BA6	BA8	BA10	BA12	BA15
Length inches	6	8	10	12	15
Jaws Open ins.	⅛	1¼	1¾	2⅛	2⅛
Wt. per Doz., lbs.	9	14	20	2	46
Dozen in a Case	6	6	6	6	3
Per Dozen	$10 00	12 00	14 00	18.00	24.00
	$7.60	9 20	10.70	13 70	18.30

Half Dozen in a Package

ADJUSTABLE WRENCHES

ASSORTED ON DISPLAY BOARD

CRESCENT

Drop Forged from One Piece Highest Grade Carbon Tool Steel, Hardened and Toughened by Special Heat Treating Process; Movable Jaw Case Hardened; Polished Jaws and Frame; Black Enameled Finish Handle; Steel, Knurled Adjusting Screw; Direct Drop Forged, Solid Quarter Cut Oak Display Board, Varnish Finished, Size 12 inches, Symmetrical Ornamental Mounting; Each Wrench Mounted in its Natural Color and Full Size, with Numbering in Black and Gold by a Decalcomania Transfer; Fine Rubbed Varnish Finish in Natural Oak or Mahogany.

Complete Line of Wrenches are Directly in Front of Customer and Sales are Made from Board. Wrenches are Replaced as you renew your Stock

Assortment Consists of the following Polished Adjustable Wrenches.

Quantity	Size Wrench, Inches	Per Piece
6	4	$ 0 [illegible]
12	6	0[illegible]
12	8	9[illegible]
6	10	[illegible]
3	12	1 [illegible]
1	15	2 25
1	18	[illegible]
6 Double End	6-8	1 [illegible]
3 Double End	8-10	1 50

No Charge Made for Display Board

Per Assortment

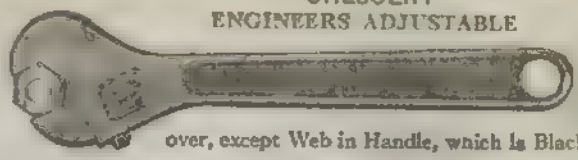
✚No. DB5—Complete with 50 Wrenches on Display Board; Weight per Assortment 70 lbs. $76 90

One Assortment in a Box

ADJUSTABLE WRENCHES

CRESCENT

ENGINEERS ADJUSTABLE

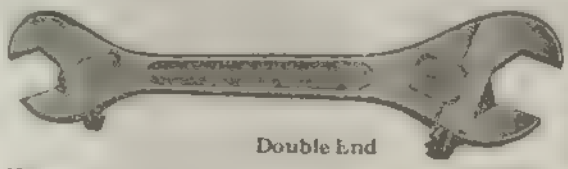


Drop Forged Steel Handles; Hardened Tool Steel Jaws, Polished all over, except Web in Handle which is Black Oil Finish.

Single End

Nos.	CA4	CA6	CA8	CA10	CA12	CA15	CA18
Length, in.	4	6	8	10	12	15	18
Capacity, in.	½	¾	15/16	1⅛	1⅜	1⅝	2
Wt. Doz., Lbs.	3	4½	9	12	26	50	84
Per Dozen	$7.80	7.80	9.80	12.00	18.00	27 00	39.00
	12.15	12.15	15 00	18.70	28.10	42.10	60.85

Twelfth Dozen in a Box



Double End

Drop Forged Steel Handles; Hardened Tool Steel Jaws, Polished all over, except Web in Handle, which is Black Oil Finish.

Nos.	CA68	CA810
Length, inches	6 to 8	8 to 10
Capacity	¾-1 to 16	15/16 to 1⅜
Weight per Dozen lbs.	7½	14½
Per Dozen	$15.00	18.00
	23.40	28.10

Twelfth Dozen in a Box

EXTRA PARTS

No. CJ—JAWS

For Wrench, In.	4	6	8	10	12	15	18
Each	$0.25	.25	.30	.40	.60	.85	1.15
	.35	.35	.40	.55	.85	1.20	1.60

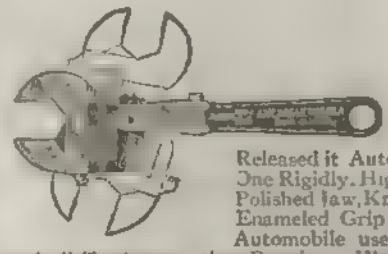
No. CK—KNURLS

For Wrench, In.	4	6	8	10	12	15	18
Each	$0.10	.10	.12	.15	.25	.35	.55
	.15	.15	.15	.20	.35	.50	.80

No. CP—PINS

For Wrench, In.	4	6	8	10	12	15	18
Each	$0.05	.05	.05	.05	.10	.10	.10
	.10	.10	.10	.10	.15	.15	.15

Loose



ANY ANGLE

Especially Intended for Work where Difficult Angles and Close Quarters Exist. By Means of Pressing Steel Button as Shown, Handle Will Ratchet from One to Eight Different Angles; when Released it Automatically Locks at any Distinct One Rigidly. Highest Grade Dropped Forged Steel, Polished Jaw, Knurled Upper Part of Handle, Black Enameled Grip and Ratchet Part. Adapted for Automobile use, Mechanics, Engineers, Plumbers and all Tradesmen that Require a High Grade Angle Wrench. Per Dozen

No. A8—Adjustable; Opening to 1 inch; Length 8 inches; Weight per Dozen, 11 lbs. $28.50

Half Dozen in a Box

WESCOTT PATTERN

Drop Forged; Polished and Tempered Steel Jaws; Japanned Malleable Iron Handle; Cast Steel Screw.

No. 48

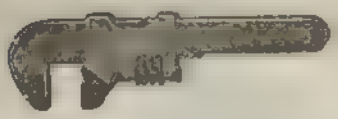
Length, inches	6	8	10	12
Opens, inches	¾	1	1¾	2¼
Wt per Doz., lbs.	5	14	25	38
Per Dozen	$14 30	17.70	21.50	29.00

Half Dozen in a Box

Items Marked ✚ Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory.

BICYCLE WRENCHES

BILLINGS & SPENCER



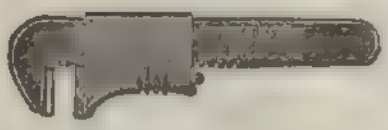
Nickel Plated Dull Finish; Patent Adjustable; Drop Forged Steel Bar and Head; Rolled Steel **Open Back** Slide Frame with Inserted Steel Jaw; Medium Thick Bar; Knurled Steel Adjusting Nut.

Per Dozen

No. B1—Length 5 inches; Opens 1¼ inches; Bar ⅛ inch Thick; Jaws ⅜ inch Deep; Weight per Dozen 3½ lbs..... **$6.00**

One Dozen in a Box

MOSSBERG STERLING

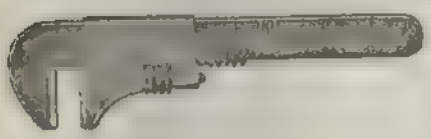


Drop Forged Steel Bar; Rolled Steel Frame; Knurled Steel Adjusting Nut; Head and Bar One Piece of Steel, Swaged Front Jaw; Inserted Hardened Steel Inner Jaw.

Per Dozen

No. 1S—**Nickel Plated and Polished;** Length 5 inches; Opens 1⅜ inches; Bar ⅛ inch Thick; Jaw ⅜ inch Thick; ⅜ inch Deep; Weight per Dozen 3½ lbs..... **$13.20**

One Dozen in a Box

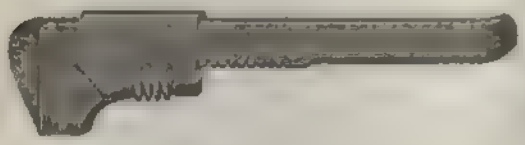


Drop Forged Steel Bar; Rolled Steel Frame; Knurled Steel Adjusting Nut; Head and Bar One Piece of Steel; Swaged Front Jaw; Inserted Hardened Steel Inner Jaw

Per Dozen

No. 2M—**Mottled Finish;** Length 6½ inches; Opens 1⅝ inches; Bar ¼ inch Thick; Jaw ⅜ inch Thick; ⅜ inch Deep; Weight per Dozen 6¼ lbs **$10.50**

HERBRAND SHOP AND GARAGE



Black; Patent Adjustable; Drop Forged Steel Bar and Head; Rolled **Solid Back** Slide Frame with Inserted **Steel Jaw;** Knurled Steel Adjusting Nut; Curved Taper End, for Demounting Tires.

Per Dozen

No. 9H—Length 9 inches; Opens 2¼ inches; Bar ⅛ inch Thick; Jaws ⅝ inch Thick, 1½ inches Deep; Weight per Dozen 12 lbs. **$7.70**

One Dozen in a Box

WRENCHES

CARRIAGE AND IMPLEMENT

Regular; Malleable Iron; Natural Finish

For Carriage Axle and Cap Nuts with ½, ⅝ and ¾-inch Openings in One End for Cap Nuts.

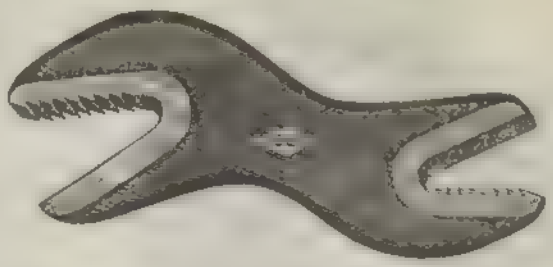
Nos.	2320D
Length, inches	10
Axle Nut Size, inches	1⅛
Openings, inch	½-⅝-¾
Weight per Dozen, lbs.	8
Per Pound, All Sizes	$0.35

Loose

WRENCHES

NUT AND PIPE

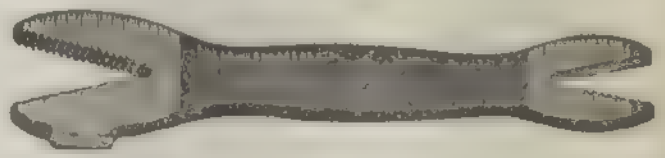
*DIAMOND EDGE



Solid Drop Forged Steel, Oil Tempered; Scored Body; Natural Finish Raised Jaws; Milled Teeth.

Nos.	DF65	DE65
Length, inches	5	7
Takes Round Iron, inch	¼ to ⅝	⅛ to 1¼
Weight per Dozen, lbs.	6	13
Per Dozen	$6.00	8.80

Half Dozen in a Box

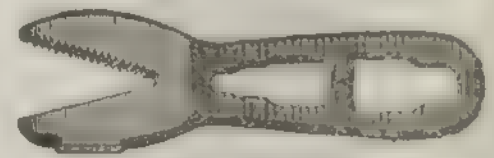


Drop Forged Steel; Tempered and Polished Jaws; Natural Finish Body; Milled Teeth.

Per Dozen

No. DET—**Twin;** Length 10 inches; Takes Round Iron ¾ to 1 inch; Takes Pipe ⅛ to ¾ inch; Weight per Dozen 15 lbs..... **$12.00**

Half Dozen in a Box



Drop Forged Steel; Tempered and Polished Jaws, Natural Finish Body Milled Teeth.

Length 7 inches; Takes Round Iron ⅝ to 1¼ to 1⅝ inch; Takes Pipe ⅛ to 1 inch; Openings in Handle Take Nuts ⅜, ½, ⅝, ¾ and ⅞ inch Outside Measurement.

Per Dozen

No. DE15G—Weight per Dozen 10½ lbs..... **$7 50**

Half Dozen in a Box

Pocket with Screw Driver End; Length 4 inches; Takes Round Iron up to ½ inch; Openings in Handle Take Nuts ½, ⅝ and ¾ inch; Screw Driver End ⅛ inch Wide at Point;

Per Dozen

No. DEF—Weight per Dozen 1½ lbs..... **$2.70**

One Dozen in a Box

Length 5½ inches; Takes Round Iron ¼ to ⅝ inch; Takes Pipe ⅛ to ⅜ inch; Openings in Handle Take Nuts ¼ to ¾ inch Outside Measurement.

Per Dozen

No. VB1—Weight per Dozen 3¼ lbs..... **$3 30**

Half Dozen in a Box

WRENCHES

NUT

*DIAMOND EDGE

Engineers Double Head—Semi-Finished

15° Angle, Highest Quality Drop Forged Steel. Forgings are Milled, Case Hardened, Black Enameled with Highly Polished Heads. Openings Milled for U. S. Standard Finished Nuts.

Nos.	X21	X23	X25	X27
Fits U. S. S. Nuts, Size Bolts	⅛&⅜	⅜&¼	⅜&¼	¼&⅝
Hex. Cap. Size	..	—	..	..
A. L. A. M. Size	.	—	.	—
S. A. E. Size	..	—	..	..
Openings, inch				
Length, inches	3			
Thickness of Head, inch				
Weight Each, ounces	1½			
Each	$0 17	21	25	31
	20	25	30	40

Nos.	X27C	X28	X29	X31
Fits U. S. S. Nuts, Size Bolts	— ⅜			
Hex. Cap. Size				—
A. L. A. M. Size				—
S. A. E. Size				—
Openings, inch				
Length, inches				
Thickness of Head, inch				
Weight Each, ounces				10
Each		37	37	45
	40	45	45	55

Nos.	X33	X33C	X34
Fits U. S. S. Nuts, Size Bolts			
Hex. Cap. Size			
A. L. A. M. Size			
S. A. E. Size			
Openings, inch			
Length, inches			
Thickness of Head, inch			
Weight Each, ounces			13
Each	$0 55	55	68
	65	65	80

Nos.	X35	X37	X39
Fits U. S. S. Nuts, Size Bolts			
Hex. Cap. Size	..	—	
A. L. A. M. Size	.	—	
S. A. E. Size			
Openings, inch			
Length, inches			
Thickness of Head, inch			
Weight Each, ounces			50
Each	$0 68	.96	1 40
	80	1 15	1 70

Half Dozen in a Box

IN SETS

Seven Wrenches, One Each Nos. X23, X25, X27, X29, X31, X33 and X35. Per Set

No. X40—In Canvas Roll; Weight per Set about 5½ lbs ... **$3.40 2.82**

Five Wrenches, One Each Nos. X23 X25 X27 X29 X31 Per Set

No. DER5—In Canvas Rolls; Weight Per set About 2½ lbs. . **$2.50 2.04**

WRENCHES

CAP SCREW

*DIAMOND EDGE

Light, Double Head—Semi-Finished

15° Angle, Highest Quality Drop Forged Steel. For Hexagon Head Cap Screws. Forgings are Milled; Case Hardened; Black Enameled with Highly Polished Heads

Nos.	721	723	723A	725
U. S. S. Nut, Bolt Sizes				
Hex. Cap Size				
A. L. A. M. Size				
S. A. E. Size				
Openings, inch				
Length, inches				
Thickness of Head, inch				
Weight Each, ounces				
Each	$0 17			
	20	25	25	30

Nos.	725B	727	729	731
U. S. S. Nut, Bolt Size	—			
Hex. Cap Size				
A. L. A. M. Size				
S. A. E. Size				
Openings, inch				
Length, inches				
Thickness of Head, inch				
Weight Each, ounces				
Each	$0 25	31	37	45
	30	40	45	.55

Nos.	731A	731B	733
U. S. S. Nut, Bolt Size	—		
Hex. Cap Size			
A. L. A. M. Size			
S. A. E. Size			
Openings, inch			
Length, inches			
Thickness of Head, inch			
Weight Each, ounces			
Each	$0	4	5
	55	55	65

Nos.	735	736	737
U. S. S. Nut, Bolt Sizes			
Hex. Cap. Size			
A. L. A. M. Size			
S. A. E. Size			
Openings, inch			
Length, inches			
Thickness of Head, inch			
Weight Each, ounces			22
Each	$0 68	.96	.96
Loose	.80	1 16	1 16

IN SETS

Per Set

No. 739—Seven Wrenches in Canvas Roll—One each Nos. 723, 725, 727, 729, 731, 733 and 735. Weight per Set about 5 lbs **$3 40 2 82**

TO BUILD UP A SUCCESSFUL BUSINESS IT IS NECESSARY TO HAVE THE STOCK THAT YOUR TRADE WANT AND THE WAY TO KEEP YOUR ASSORTMENTS COMPLETE IS TO ORDER FREQUENTLY BY MAIL.

WRENCHES

NUT

★DIAMOND EDGE TRADE MARK REGISTERED IN THE U.S. PAT. OFFICE

Light Check Nut Wrenches—Double Head Semi-Finished

15° Angle; Highest Quality Drop Forged Steel; For Check, Jam Lock Nuts, etc.

Forgings are Milled; Case Hardened; Black Enameled with Highly Polished Heads; They are Amply Strong for their Intended Purposes but are not Designed for Severe Service. Milled for U. S. Standard Finished Nuts.

Nos.	623	623E	625	[illegible]
Fits Nuts, Bolt Sizes, inch.	3/16&1/4	1/4&5/16	1/4&5/16	5/16&7/16
Openings, inch	19/64&1/2	5/16&1/2	1/2&9/32	9/16&11/16
Length inches	4 1/4	4 1/2	4 3/4	5 1/2
Thickness of Heads, inch	5/64&5/32	9/64&5/32	9/64&5/32	5/32&3/16
Weight each, ounces	1	1 1/2	2 1/2	3
Each	$0.25	.25	.25	.32
	.30	.30	.30	.40
Nos.	627	629	629E	631
Fits Nuts, Bolt Sizes, inch.	1/4&3/8	3/8&7/16	1/4&7/16	7/16&1/2
Openings, inch	19/64&11/16	11/16&23/32	5/16&7/8	25/32&7/8
Length, inches	5 1/2	6 1/2	6 1/2	6 1/2
Thickness of Heads, inch	5/32&1/16	5/16&7/32	1/4&7/32	5/16&7/32
Weight each, ounces	3 3/4	5 1/2	5 1/2	7
Each	$0.32	.40	.40	.40
	.40	.50	.50	.50
Nos.	632X	633	635	635G
Fits Nuts, Bolt Size, inch	5/16&1/4	1/2&9/16	9/16&5/8	5/8&7/8
Openings, inches	15/32&1	9/16&31/32	31/32&1 13/16	1 1/16&1 1/4
Length, inches	8 1/2	8 1/2	10 3/4	10 3/4
Thickness of Heads, inch	7/32&9/32	7/32&9/32	9/32&5/16	9/32&5/16
Weight each, ounces	8 1/2	11	13	13 1/2
Each	$0.56	.56	.84	.84
	.70	.70	1.00	1.00
Nos.			637	639
Fits Nuts, Bolt Sizes inch			5/8&3/4	3/4&7/8
Openings, inches			1 1/16&1 1/4	1 1/4&1 1/8
Length, inches			10 3/4	12 5/8
Thickness of Heads, inch			9/32&7/16	9/16&7/16
Weight each, ounces			17	21
Each			$0.84	1.30
			1.00	1.55

Half Dozen in a Box

TAPPET

★DIAMOND EDGE TRADE MARK REGISTERED IN THE U.S. PAT. OFFICE

Double Head—Semi-Finished

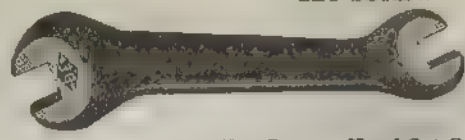
15° Angle Vanadium Drop Forged Steel for Adjusting Tappet Valves Forgings are Milled; Case Hardened; Black Enameled with Highly Polished Heads.

Nos.	DEH1	DEH2	DEH3	DEH4
Size Opening, inches	7/16&1/2	5/16&3/8	11/16&13/16	3/4&7/8
Length Over All, inches	6	7	8	9
Thickness of Head, inches	3/32	3/32	3/32	3/32
Fits S. A. E. Std. Nuts, inches	1/4&5/16	3/8&7/16	....	1/2&9/16
Fits S. A. E. Std. Cap Screws, inches	1/4&5/16	3/8&7/16	....	1/2&9/16
Fits A. I. A. M. Std. Nuts, inches	1/4	3/8&7/16	....	1/2&9/16
Fits A. I. A. M. Std. Cap Screws, in	5/16	3/8&7/16	....	1/2&9/16
Fits U. S. S. Nuts, inches			3/8	
Fits U. S. S. Hexagon Nuts, inches	1/4&5/16	3/8&7/16	7/16	1/2&5/8
Fits U. S. S. Head Cap Screws, inches	1/4&5/16	3/8&7/16	7/16	1/2&5/8
Weight Each, ounces	4	5	10	14
Each	$0.50	.63	.90	1.15
	.55	.70	1.00	1.25

Half Dozen in a Box

WRENCHES

SET SCREW



★DIAMOND EDGE TRADE MARK REGISTERED IN THE U.S. PAT. OFFICE

For Square Head Set Screw

22½ Angle; Drop Forged Steel; Milled and Case Hardened; Black Enameled with Highly Polished Heads.

Nos.	525	527	529	530
Length, inches	3 3/8	5	5 7/8	5 5/8
Thickness, inch	5/32	11/64	5/32	3/16
Size Screws, inch	1/4&5/16	5/16&3/8	3/8&7/16	7/16&1/2
Weight each, ozs	2 1/2	3 3/4	5 1/2	6 1/2
Each	$0.24	.29	.35	.45
	.30	.35	.40	.55
Nos.	531	532	533	534
Length, inches	6 5/8	6 3/8	7 1/2	7 1/2
Thickness, inch	3/16	3/16	1/4	1/4
Size Screws, inch	3/8&7/16	7/16&1/2	1/2&9/16	1/2&5/8
Weight each, ozs	7 3/4	8 1/4	9 1/2	11
Each	$0.45	.54	.54	.65
	.55	.65	.65	.80
Nos.		535	536	537
Length, inches		8 3/8	8 3/8	10
Thickness, inch		1/4	1/4	5/16
Size Screws, inch		9/16&5/8	5/8&3/4	5/8&3/4
Weight each, ozs		13	16	22
Each		$0.65	.80	.80
		.80	.95	.95

Loose

TEXTILE MACHINE

★DIAMOND EDGE TRADE MARK REGISTERED IN THE U.S. PATENT OFFICE

22½° Angle; Highest Quality Drop Forged Steel; Black Enameled with Highly Polished Heads

For U. S. Standard Hexagon or Square Nuts (SEMI FINISHED)

Nos	760A	760B	760C	761A	761B	761C
Fits Nut	1/8&1/4	1/4&1/4	1/4&5/16	1/4&5/16	1/4&3/8	5/16&3/8
Openings, inch	5/16&1/2	11/32&1/2	11/32&11/32	1/2&11/32	1/2&11/32	11/32&11/32
Thickness Head, in	1/4	1/4	1/4	5/16	5/16	5/16
Length, inches	4 3/4	4 3/4	4 3/4	5 3/4	5 3/4	5 3/4
Weight Ea., ozs.	2 3/4	2 3/4	2 3/4	4 1/2	4 1/2	4 1/2
Each	$0.25	.25	.25	.31	.31	.31
	.30	.30	.30	.40	.40	.40
Nos.	762A	762B	762C	763A	763B	763C
Fits Nut	1/8&1/4	5/16&1/4	3/8&1/2	1/4&1/2	1/4&5/8	1/2&5/8
Openings, inch	11/32&1/2	11/32&11/32	11/32&7/8	11/32&7/8	11/32&11/32	3/4&11/32
Thickness Head, in.	3/8	3/8	3/8	7/16	7/16	7/16
Length, inches	7	7	7	8 1/4	8 1/4	8 1/4
Weight Ea. ozs.	8	8	8	12	12	12
Each	$0.40	.40	.40	.53	.53	.53
	.50	.50	.50	.65	.65	.65
Nos.	764A	764B	764C	765A	765B	765C
Fits Nut	1/2&5/8	5/8&5/8	5/8&3/4	5/8&3/4	5/8&7/8	3/4&7/8
Openings, inches	7/8&1 11/16	11/32&1 11/16	11/32&1 1/4	1 1/32&1 1/4	1 1/32&1 7/16	1 1/4&1 7/16
Thickness Head, in.	7/16	7/16	7/16	7/16	7/16	7/16
Length, inches	9 1/2	9 1/2	9 1/2	11	11	11
Weight Ea. ozs.	19 1/2	19 1/2	19 1/2	20 1/2	20 1/2	20 1/2
Each	$0.72	.72	.72	.96	.96	.96
	.85	.85	.85	1.15	1.15	1.15

AUTO ASSORTMENT IN ROLL

Semi-Finished — Per Roll

No. R760—Five Wrenches in Canvas Roll; One Each Nos. 760B, 761C, 763A, 764B, 765C, Weight per Set About 4½ lbs... $3.90 3.22

AUTO ASSORTMENT IN BOX

Semi-Finished — Per Box

No. 760—Five Wrenches in a Box; One Each Nos. 760B, 761C, 763A, 764B, 765C; Weight per Set About 4½ lbs. $3.30 2.77

WRENCHES

S WRENCHES

*DIAMOND EDGE

TRADE MARK REGISTERED IN THE U. S. PATENT OFFICE

With Flat Handle

22½° Angle: Highest Quality Drop Forged Steel Semi Finish; for Hexagon Head Cap Screws. Case Hardened; Black Enameled with Highly Polished Heads.

Nos	661F	661G	662F
Diameter of Cap Screw, inch	⅛&¼	⅛&⅛	⅛&⅜
Openings, inch	3/16&⅛	3/16&⅛	¼&5/16
Length, inch	4	4	5
Thickness of Head, inch	1/16	1/16	1/16
Weight each, ozs.	2	2	3
Each	$0.22	.22	.29
	25	.25	.35
Nos	662G	663E	663G
Diameter of Cap Screw	⅛&⅛	3/16&¼	⅛&5/16
Openings, inch	¼&⅜	5/16&¾	5/16&7/16
Length, inch	5	6¼	6¼
Thickness of Head, inch	1/16	3/16	3/16
Weight each, oz.	3	5	5¼
Each	$0.29	.39	.39
	.35	.45	.45
Nos	664E	664F	665E
Diameter of Cap Screw, inch	¼&⅜	⅛&⅝	⅝&¾
Openings, inch	¾&⅛	⅛&⅛	⅝&1
Length, inch	7½	7½	9
Thickness of Head, inch	1/16	1/16	⅛
Weight each, ozs.	6½	6½	14
Each	$0.53	.53	.72
One in a Box	.65	.65	.85

GENERAL SERVICE

For Use in Erecting or Dismantling Plows, Carriages, Wagons, Farm Implements, etc., and for General Service where a Light and Long Wrench is Desired.

*DIAMOND EDGE

TRADE MARK REGISTERED IN THE U. S. PATENT OFFICE

22½-Degree Angle; Highest Quality Drop Forged Steel; Case Hardened; Black Enameled with Highly Polished Heads.

Nos	675B	677B	679
U. S. S. Nut; Bolt Size	—	¼	⅜
Hex. Cap., Bolt Size	¼	5/16&⅜	⅜
A. L. A. M., Bolt Size	¼	—	5/16
S. A. E., Bolt Size	¼	5/16&⅜	—
Openings, inch	⅜&7/16	½&9/16	9/16&11/16
Length, inches	6¼	7⅞	8¼
Thickness, inch	1/16	¼	5/16
Weight Each, ozs.	5	6	9
Each	$0.18	.23	.29
	.20	.30	.35
Nos.		681B	683B
U. S. S. Nut; Bolt Sizes		—	⅛
Hex. Cap. Bolt Size		½&⅝	⅝&¾
A. L. A. M., Bolt Size		½	⅝
S. A. E., Bolt Sizes		½	⅝&¾
Openings, inch		¾&13/16	⅞&1
Length, inches		9¼	10⅜
Thickness, inch		3/16	⅛
Weight, Each, ozs.		13	16
Each		$0.28	.50
Half Dozen in a Box		.45	.60

IN SETS

Five Wrenches; One Each 675B, 677B, 679, 681B and 683B.

	Per Set	
No. DE35—In Box; Weight per Set, about 3¼ lbs.	$1.80	1.50
No. DER35—In Canvas Roll; Weight per Set about 3¼ lbs	2.40	1.95

WRENCHES

GENERAL SERVICE

For General Service where a Light and Long Wrench is Desired.

STANDARD

22½ Degree Angle, Double Head; Drop Forged, Case Hardened; Natural Finish, Mulot Jaws.

Nos.	X675B	X677B	X679
U. S. S. Nut Bolt Size	—	¼	—⅜
Hex. Cap., Bolt Size	¼	⅜&⅜	⅜—
A. L. A. M., Bolt Size	—	⅜&⅜	—⅜
S. A. E., Bolt Size	—¼	⅜&⅜	⅜—
Openings, inch.	7/16&½	½&9/16	9/16&11/16
Length, inches.	6¼	7⅞	8¼
Thickness, inch.	1/16	¼	⅜
Weight Each, ozs.	5	6	9
Each	$0.18	.23	.29
	.20	.30	.35

Nos.	X681B	X683B
U. S. S. Nut., Bolt Sizes	——	⅛—
Hex. Cap., Bolt Size	½&⅝	⅝&¾
A. L. A. M., Bolt Size	½—	⅝&¾
S. A. E., Bolt Sizes	½—	⅝&¾
Openings, inch	¾&13/16	⅞&1
Length, inches	9¼	10⅜
Thickness, inch	⅜	7/16
Weight, Each ozs.	13	16
Each	$0.38	.50
One Half Dozen in a Box	.45	.60

IN SETS

Five Wrenches; One Each X675B, X677B, X679, X681B, X683B.

	Per Set	
No. D105—In Box; Weight per Set, about 3 lbs.	$1.80	1.50
No. DR105—In Canvas Roll, Weight per Set, about 3 lbs.	2.40	1.95

CAR

22½-degree Angle; Double Head; Drop Forged Steel; Natural Finish.

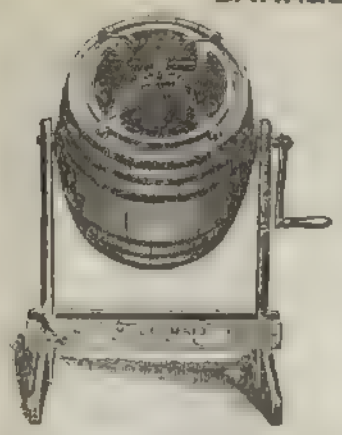
Nos.	367	370	371	373
Openings, inches	3/16&3/16	1/16&1/16	1/16&1 1/16	1/16&1 1/16
Length, inches	12	19	19	20
Thickness Heads, inch	3/16&¼	¼&¼	¼&¼	¼&5/16
Fits Nuts, Bolt Size, inch	3/16&7/16	¼&7/16	¼&3/4	¼&7/16
Weight per Dozen, lbs.	30	34	38	43
Each	$0.55	.95	1.15	1.15
	.65	1.15	1.40	1.40

Nos.	373	375	376	377
Openings, inches	1 1/16&1 1/16	1 1/16&1 1/16	1 1/16&1½	1 1/16&1¾
Length, inches.	20	21	21	22
Thickness Heads, inch	¼&7/16	¼&5/16	¼&5/16	¼&5/16
Fits Nuts, Bolt Size, inch.	5/16&¾	5/16&1	¾&1 1/16	¾&1
Weight per Dozen, lbs	45	53	55	59
Each	$1.15	1.35	1.35	1.65
	1.40	1.60	1.60	2.00

Nos	378	383	385	388
Openings, inches	1 1/16&1 5/16	1 5/16&2 1/16	1 5/16&2 1/16	2 1/16&2 1/16
Length, inches	22	24	24	25
Thickness Heads, inches	5/16&¾	5/16&¾	5/16&¾	5/16&¾
Fits Nuts, Bolt Size, inch	5/16&1	1&1¼	1 1/16&1¼	1¼&1½
Weight per Dozen, lbs.	65	80	85	105
Each	$1.65	2.25	2.25	3.40
	2.00	2.70	2.70	4.10

Loose

BARREL CHURNS



BELLE

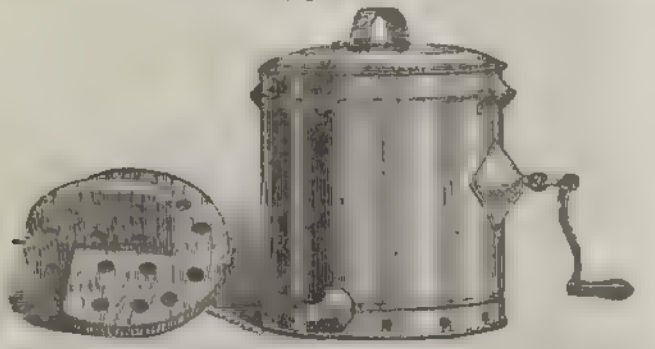
Barrel is Made of Best Quality White Oak, Thoroughly Seasoned, Kiln-Dried and Varnished; Red Painted Cover, Cork Packed; with Glass-covered Sight Hole; Galvanized Top Castings, Malleable Iron Swinging Trunnions and Crank, Plain Wood Handle, No. 0 has 4 Hoops, Nos. 1, 2 and 3 have 6 Steel Hoops, 1 inch Wide, Bolted Oak Wood Stand. The Churning is Done by Turning Crank, which Turns the Barrel and Agitates the Cream.

Nos.	0	1	2	3
Capacity, gallons	6	10	15	20
Churns gallons	1 to 3	1 to 5	1 to 7	2 to 10
Height Barrel inches	15	17	18½	21½
Height of Stand inches	22	22	24	24½
Weight Each, lbs.	30	35	40	55
Each	$12 50	14 00	15 00	17.00

One in a Bundle, Knocked Down

CYLINDER CHURNS

TRIUMPH

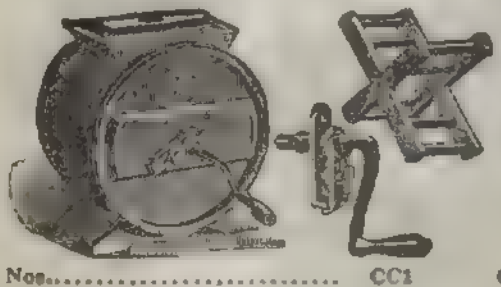


Double Seamed and Soldered; Highest Grade IXXX Tin Throughout; Rounded Bottom Fits Revolving Dasher and Attaches to Sides in Such Manner that there are no Corners to Make Cleaning Difficult; Four Blade; Perforated Ash Dasher, Removable for Separating; Tinned Steel Axle; Reinforced Bearing; Cast Iron Crank with Wood Grip Handle; Heavy Tin Cupped Side Handles, Flanged Cover; Drain Spout at Bottom.

A Strictly Sanitary Churn; Speedy and yet of Wonderfully Easy Operation, Being Made Entirely of Metal it is Easy to Change Temperature to Suit Conditions by Placing in Hot or Cold Water; Churns the Same whether Quantity is Large or Small.

Nos.	+T3	+T5	+T7
Capacity, gallons	3	5	7
Height, inches	11¼	13½	15½
Diameter, inches	10½	12½	12⅓
Weight Each, lbs.	7½	10	11
Each	$5.50	6 00	6.50
	8 80	9.00	9 80

One in a Crate

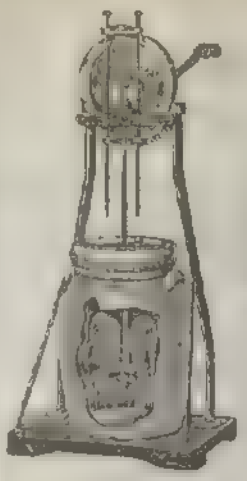


White Cedar, Solid Ends Fitted in Grooves in Stave Cylinder; Galvanized Steel Bands; Double Cedar Dasher; Galvanized Malleable Iron Crank Shaft; Crank is Locked by Clamp and Thumb Nut.

Nos.	CC1	CC2	CC3
Capacity, Gallons	3	4	7
Churning Capacity, Gallons, about	1½	2½	4
Size Body, Inches	13x13	15x15	16¾x16¾
Weight Each, Lbs.	11	14	17½
Each	$7 00	9.00	10.50

One in a Crate

CHURNS



TAYLOR

The Principle of the Taylor Churn is that of the Old Stick and Dash Churn, Being Perpendicular and Circular at the Same Time.

Dash Rod ¾ inch Spring Steel; will not Rust or Tarnish, Paddle, Well Seasoned Maple, Cam Plate, Cam Roller and Pin, All High Grade Steel, Accurately Machined and Fitted; Guide Rods, Spring Steel; Jar, Extra Heavy Stone Set on Base Board with Brackets to Hold it in Exact Position.

Nos.	TC3	TC4	TC5
Capacity, gallons	3	4	5
Churning Capacity gals.	2	3	4
Height Over All, inches	36	36	36
Size of Base, inches	12x18	12x18	12x18
Weight Each, lbs.	48	53	59
Each	$9.50	10.00	10.50

Sixth Dozen in a Crate

MOTOR DRIVEN

No. T5 Churn, Equipped with 1/15 Horsepower 110 Volts Motor and Necessary Attachments. Can be Connected to Any Ordinary Electric Light Fixture.

Specify Whether for A. C. or D. C. Current. Can Also be Furnished with 32 Volt D. C. Motor if so Desired.

Capacity 5 gallons; Churning Capacity 4 gallons; Size of Pad 12x18 inches; Height Over All 36 inches.

Each

No. TCM5—Weight Each, 70 lbs. $60 00

Sixth Dozen in a Crate

THERMOMETERS

TYCOS

Flange Churn and Pasteurizing

Silver Plated Case and Scale; Black Filled Figure and Graduations; Sliding Bulb Guard is Removable for Cleaning; Gold Plated Trimmings; First Selection Magnifying Tubes; Mercury Filled; Scale Range 0° to 220° F.; Suitable for Churning, Pasteurizing, Etc.

Per Dozen

No. 5705—Size 10 inches; Weight per Dozen 2½ lbs. $27.00

DAIRY AND PASTEURIZING GLASS EASY READING

High Grade

Shot Weighted to Insure Floating in Upright Position, Tested and Guaranteed Accurate, Magnifying Mercury Tubes, Scale Range 0 to 230° F.; Suitable for Churning and Pasteurizing, Etc.

Per Dozen

No. 4008—Size 10¾ inches; Weight per Dozen, 1 lb. $13.50

One in a Wood Box.

Per Dozen

No. 04008—8x½ inch; Cheaper Grade than Above; Accuracy Not Guaranteed; Range, Zero to 160° F.; Weight per Dozen ⅝ lb. $4.00

One in a Tube; One Dozen in a Carton

Items Marked ✢ Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory, Louisiana, Mo.

CHURNS

DAZEY

DAZEY PRINCIPLE

Sanitary—Because Nothing to Absorb the Cream and Become Rancid as with Wooden Churns. Can be Sunned Without Warping and Without Handling Entire Churn. Just Lift the Receptacle Out.

Cleaning—Is as Easily Accomplished as Cleaning an Ordinary Tin Pail, Because there are No Cracks or Complicated Gearings Inside. Not a Single Bearing Inside of Receptacle.

Temperature—Correct for Churning is Quickly Obtained by Placing the Receptacle or the Whole Churn in Hot or Cold Water.

Time—The Powerful Dasher Aided by the Square Corners of Receptacle. Produces a Scientific Agitation, Making it Possible to Churn in from 2 to 5 Minutes.

Yield—More Butter is Produced with the Dazey Dasher by Rolling All Butter Making Properties up with the Butter Fat into Grains.

Labor—Working of Butter is Eliminated by the Dazey; Because the Globules in Building up in their Natural Condition have Squeezed out all the Milk and Formed into Hard Uniform Sized Grains. To Wash off Outside of Grains is all that is Necessary.

Frame—Iron and Steel; **Covers**—Two-piece White Maple; **Dasher**—Seasoned White Maple, Dazey Patented Construction; **Knobs**—No. 1000 Enameled Wood, No. 1600 Porcelain Handle; **Dash Rods**—No. 1000 Tinned Steel, No. 1600 Steel Heavily Nickeled; **Gear**—Best Grade Cast Iron; **Faucets**—Brass, Nickel Plated; **Receptacles**—Made of Highest Quality Charcoal Tin Plate; **Finish**—Frames have Two Coats Bright Aluminum; Receptacle Outside Enameled Blue.

Capacity 28 gallons; Churning Capacity 13 gallons, Base 23 inches Spread; Height Over All 48 inches.

Nos.	1000	1600
Capacity, gallons	10	16
Churning Capacity, gallons	7	12
Base Spread, inches	15	19
Height Over All, inches	39	47
Weight, Each, lbs	40	70
Weight Each, Crated	55	100
Each	$17.20	$25.00

One in a Crate

Frame—Iron and Steel; **Covers**—Two-piece White Maple, **Dasher**—Seasoned White Maple, Dazey Patented Construction; **Knobs**—Enameled Wood; **Dash Rods**—Tinned Steel; **Gears**—Best Grade Cast Iron; **Faucets**—Brass Nickel Plated; **Receptacles**—Made of Highest Quality Charcoal Tin Plate; **Finish**—Frames have Two Coats Bright Aluminum, Receptacle Outside Enameled Blue.

Nos.	400	600
Capacity, gallons	4	6
Churning Capacity, gallons	3	4
Base Spread, inches	11	12
Height Over All, inches	27	31
Weight, Each, lbs.	16	27
Weight Each, Crated	25	37
Each	$8.50	10.50

One in a Crate

CHURNS

DAZEY

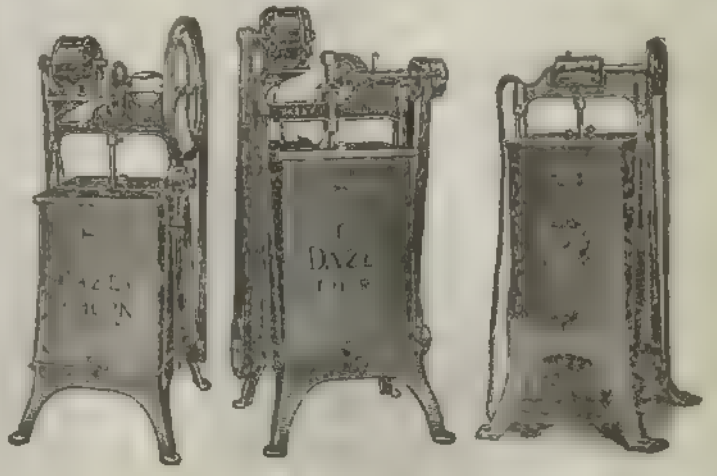
Frame—Iron and Steel; **Covers**—Two-piece White Maple; **Dasher**—Seasoned White Maple, Dazey Patented Construction; **Knobs**—Enameled Wood; **Dash Rods**—Tinned Steel; **Gears**—Best Grade Cast Iron; **Faucets**—Cork lined Screw Cap; **Receptacles**—Made from Highest Quality Charcoal Tin Plate; **Finish**—Frames have Two Coats Bright Aluminum; Receptacle Outside Enameled Blue.

Nos.	100	200	300
Capacity, gallons	1	3	3
Churning Capacity, gallon	½	1	2
Base Spread, inches	7	8	9
Height Over All, inches	17	21	23
Weight Each, lbs.	5	8	11
Weight Each, Crated	10	13	17
Each	$4.60	5.50	7 00

One in Crate

DAZEY ELECTRIC

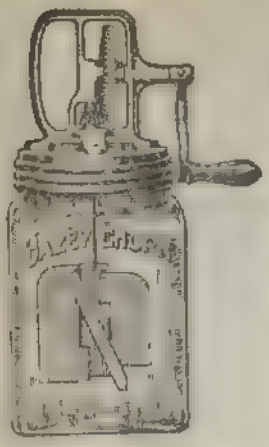
Frame—Cast Gray Iron and Steel; Finished Two Coats of Bright Aluminum; **Covers**—White Maple, Natural Finish; **Dasher**—Four-Blade Dazey Turbine, White Maple; **Receptacles**—Copper Bearing Charcoal Tin, Triple Plated, Blue Enamel Outside; **Faucet**—All Receptacles have a Specially Designed Sanitary Faucet for Drawing Off the Milk or Washing Water; **High Base**—Permitting a Pail being Set Under the Faucet to Catch the Milk or Washing Water; **Motors**—High Grade Guaranteed, Conveniently and Accessibly Mounted on the Churn; **Attachment Cord**—Long, Heavily Insulated Attachment Cord with Plug; **Receptacle and Dasher**—Easily and Quickly Detached from the Churn Frame for Convenience in Washing and Sunning; **Motors**—Motors of 110 and 220 Volt, 60 Cycle, Single Phase, Alternating Current, Also 32 and 110 Volt, Direct Current, Compound Wound are Furnished as Standard Equipment at Regular Prices. Special Motors Can be Supplied at an Extra Charge; **Current and Voltage**—When Ordering Electric Churns for Alternating Current, be Sure and Specify the Voltage, Cycles and Phase; for Direct Current Specify Voltage Only.



No. 1600P | No 2800P | No 450M | 650M | 1050M

Nos.	1600P	2800P	450M	650M	1050M
Capacity, gallons	16	28	½	6	10
Churning Capacity, gallons.	10	15	2	3	6
Motor Horse Power	¼	¼	⅛	1-6	¼
Height Over All, inches.	44	53	31	34	30
Weight Each, Crated, lbs.	175	250	70	80	100
Each, Complete with Motor, Belting and 10 feet Cord	$120.00	172.00	67.50	75.00	90.00

CHURNS



DAZEY

Extra Heavy Clear Glass Jar, with a Finished Smooth Top; Steel Screw Cap Heavily Nickel Plated; Dasher of White Maple Thoroughly Seasoned; Dash Rod of Steel, Tinned, Making it Rust Proof; Frame Cast in One Piece; Natural Finish Wood Handle. Gears Carefully Fitted to Run Smooth and Noiseless; All Castings Double Aluminum Coated.

Nos.	20	30	40
Capacity, pints	5	7½	9
Churning Cap., pints	3	4	5
Height Over All, inches	12	13	14
Weight, Each	5	7	8
Weight Boxed, Dozen	85	115	135
Per Dozen	$25 50	32 00	42.00

Twelfth Dozen in a Carton

EXTRA JARS FOR DAZEY FAMILY CHURNS

Nos.	20J	30J	40J
Weight Boxed, Dozen	55	80	90
Per Dozen	$9 00	12 50	15.00

Twelfth Dozen in a Carton

LADD

MIXER AND CHURN

Mixer-Churn. Beater, Inside Heavy Clear White Glass with Fluted Side; Full Nickel Plated Polished Top; Sanitary; May be Removed by One Movement, and Can be Easily Cleaned; All Inside Parts are Stamped Steel Nickel Plated; Oil Drip in Top Contains Regulator for Oil Flow.

Per Dozen

No. 1 M1—Capacity 1 quart; Height Over All 12 inches; Diameter of Jar 10 inches; Weight per Dozen 20 lbs. $58 00

Twelfth Dozen in a Carton

NO-SPLASH TIN

Extra Heavy Tin Body; Double Seamed and Soldered Side and Bottom; Top Rim is Turned Over and Wired to Give Strength and Rigidity; Flanged Bottom Rim; Large Side Handles; Deep Rimmed; Close Fitting, Stamped Tin Cover which Fits Over the Outside, Having a Tin Tube Extending Downward Into the Churn, and a Deep Groove on Top Near the Rim, which Comes Down Below the Top of the Can on the Inside and Fits Close. Preventing the Cream from Splashing Over Top Edge of Churn; Plain Hardwood Dasher.

Nos.	1X3	1X4	1X5
Capacity, gallons	3½	4	5
Size, inches	15x7½	20x7½	25x7½
Weight per Dozen, lbs.	65	80	95
Per Dozen	$18 00	24 00	25 80

Half Dozen in Crate

HOUSEHOLD

Made of IX Tin; Patent Dasher; Indented Top; Drains Into Churn; Solid Side Handles; Long Perforated Tube Dasher with Handle.

Nos.	53	55
Capacity, gallons	3½	5
Size, inches	8¾x10	8¾x12
Weight per Dozen, lbs.	70	80
Per Dozen	$20 00	22 00

Quarter Dozen in a Crate

CHURNS

ASH DASH

Seasoned Ash, Filled and Varnished; Staves are Tongued and Grooved; Bound with ⅛ inch Steel Hoops; Sunken Cover; Two Paddle Perforated Dasher; One Piece Bottom, Set in Grooves; Hoops are Punched at Regular Intervals, and the Projecting Edges Sunk Into the Wood to Hold Them Securely in Place.

Nos.	AD0	AD1	AD2
Capacity, gallons	4	5	7
Height, inches	18	20	20
Weight, per Dozen, lbs.	145	180	215
Per Dozen	$33 00	39.00	46.00

Half Dozen in a Crate

CHURN DASHERS

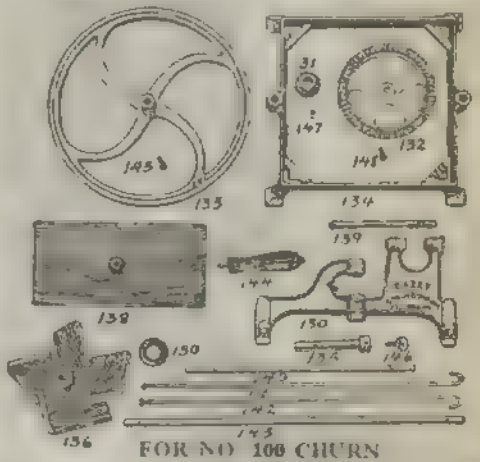
Per Dozen

No. CD—Wood Finished; 40 inch Turned Handle; Weight per Dozen 16 lbs. $4 50

One Dozen in a Bundle

EXTRA PARTS FOR DAZEY CHURNS

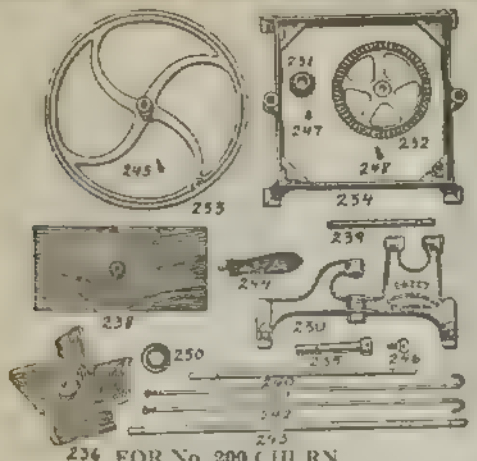
Note—When Ordering Parts, be Sure and Specify Number of Churn, Name and Number of Part.



FOR NO. 100 CHURN

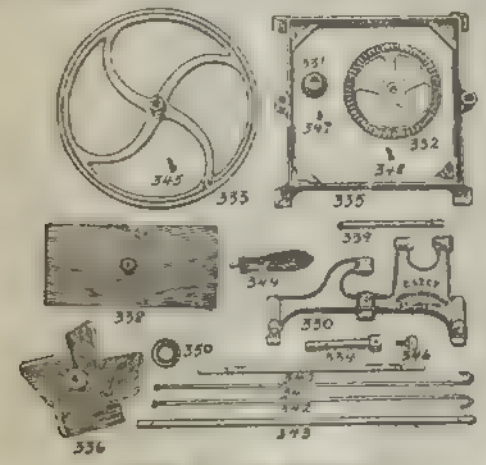
		Each
No. 130—Bridge	$1 25	.75
No. 131—Pinion	.35	.20
No. 132—Gear	.55	.30
No. 133—Fly Wheel	.90	.50
No. 134—Base	1.10	.60
No. 135—Journal	.55	.30
No. 136—Dasher	.70	.40
No. 137—Receptacle	1.80	1.00
No. 138—Covers (Pair)	.70	.40
No. 139—Gear Staff	.35	.20
No. 140—Dash Rod	.35	.20
No. 141—Stay Rod (Right)	.45	.25
No. 142—Stay Rod (Left)	.45	.25
No. 143—Side Rod	.35	.20
No. 144—Handle Complete	.35	.20
No. 145—Fly Wheel Set Screw	.20	.10
No. 146—Thread Screw	.20	.10
No. 147—Pinion Set Screw	.20	.10
No. 148—Gear Set Screw	.20	.10
No. 149—Stay Rod Nut	.20	.10
No. 150—Can Screw	.20	.10

EXTRA PARTS FOR DAZEY CHURNS



234 FOR No 200 CHURN

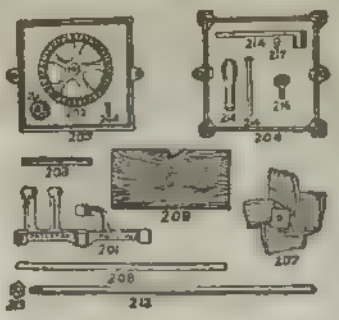
		Each
No 230—Bridge	$1.45	.80
No. 231—Pinion	.35	.20
No. 232—Gear	.70	.40
No. 233—Fly Wheel	1.10	.60
No. 234—Base	1.10	.60
No. 235—Journal	.55	.30
No. 236—Dasher	.90	.50
No. 237—Receptacle	2.15	1.20
No. 238—Covers (Pair)	.70	.40
No. 239—Gear Shaft	.35	.20
No 240—Dash Rod	.35	.20
No 241—Stay Rod (Right)	.45	.25
No. 242—Stay Rod (Left)	.45	.25
No. 243—Side Rod	.35	.20
No. 244—Handle Complete	.35	.20
No. 245—Fly Wheel Set Screw	.20	.10
No. 246—Thumb Screw	.20	.10
No 247—Pinion Set Screw	.20	.10
No 248—Gear Set Screw	.20	.10
No 249—Stay Rod Nut	.20	.10
No. 250—Can Screw	.20	.10



FOR No. 300 CHURN

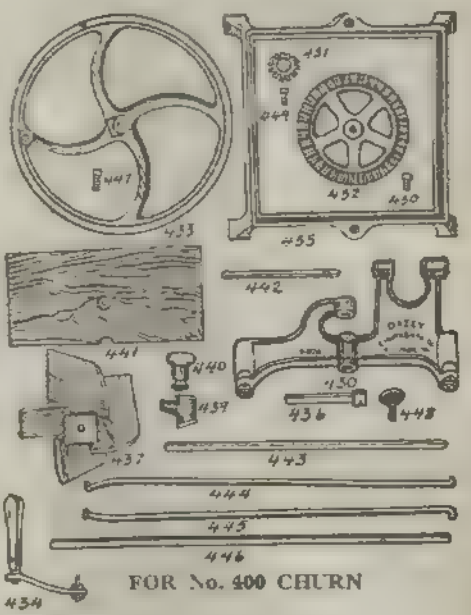
		Each
No. 330—Bridge	$1.80	1.00
No. 331—Pinion	.55	.30
No. 332—Gear	.90	.50
No. 333—Fly Wheel	1.45	.80
No. 334—Journal	.70	.40
No. 335—Base	1.45	.80
No. 336—Dasher	1.10	.60
No. 337—Receptacle	2.70	1.50
No. 338—Covers (Pair)	.70	.40
No 339—Gear Shaft	.35	.20
No. 340—Dash Rod	.45	.25
No. 341—Stay Rod (Right)	.45	.25
No. 342—Stay Rod (Left)	.45	.25
No. 343—Side Rod	.45	.25
No 344—Handle Complete	.35	.20
No 345—Fly Wheel Set Screw	.20	.10
No 346—Thumb Screw	.20	.10
No. 347—Pinion Set Screw	.20	.10
No. 348—Gear Set Screw	.20	.10
No. 349—Stay Rod Nut	.20	.10
No. 350—Can Screw	.20	.10

EXTRA PARTS FOR DAZEY CHURNS



FOR No. 275 CHURN

		Each
No. 201—Bridge	$1.45	.80
No. 202—Gear	.90	.50
No. 203—Gear Shaft	.35	.20
No. 204—Gear Set Screw	.20	.10
No. 205—Top Band	1.10	.60
No. 206—Base	1.10	.60
No. 207—Dasher	1.10	.60
No. 208—Dash Rod	.45	.25
No. 209—Covers (Pair)	70	.40
No. 211—Receptacle	2 70	1 50
No. 212—Side Rod	55	.30
No. 213—Side Rod Nut	.20	.10
No. 214—Handle Complete	55	.30
No. 215—Pinion	55	.30
No. 216—Thumb Screw	20	.10
No. 217—Handle Set Screw	20	.10

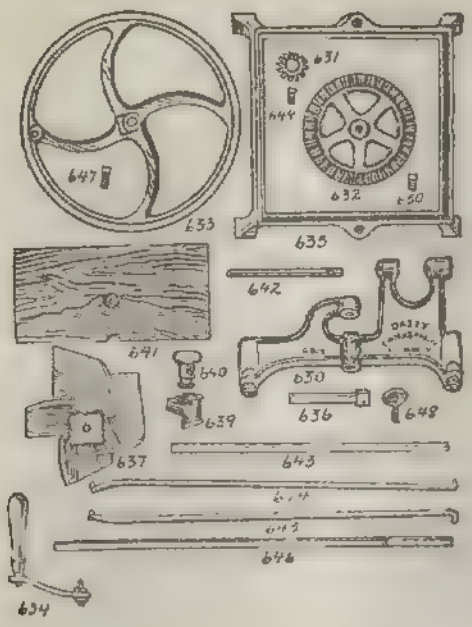


FOR No. 400 CHURN

		Each
No. 430—Bridge	$2.15	1.20
No 431—Pinion	.55	.30
No. 432—Gear	.90	.50
No. 433—Fly Wheel	1.60	.90
No. 434—Handle, Complete	.45	.25
No. 435—Base	1 80	1 00
No. 436—Journal	90	.50
No. 437—Dasher	1 25	70
No. 438—Receptacle with Faucet	3 60	2 00
No. 439—Faucet Spout	.90	.50
No. 440—Faucet Plug	.90	.50
No. 441—Covers (Pair)	.90	.50
No. 442—Gear Shafts	.35	.20
No. 443—Dash Rod	45	.25
No. 444—Stay Rod (Right)	.45	.25
No. 445—Stay Rod (Left)	.45	.25
No. 446—Side Rod	.45	.25
No. 447—Fly Wheel Set Screw	20	.10
No. 448—Thumb Screw	20	10
No. 449—Pinion Set Screw	.20	.10
No. 450—Gear Set Screw	.20	.10
No. 451—Stay Rod Nut	.20	.10

Note—When Ordering Parts, be Sure and Specify Number of Churn, Name and Number of Part.

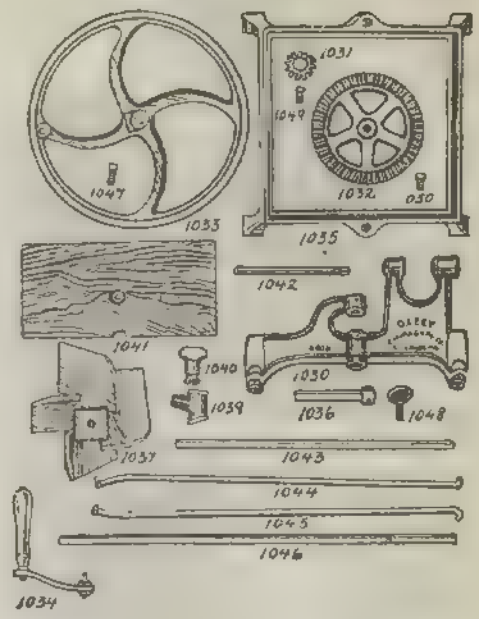
EXTRA PARTS FOR DAZEY CHURNS



FOR No. 600 CHURN

	Each
No. 630—Bridge	$2 70 1.50
No. 631—Pinion	.55 .30
No. 632—Gear	.90 .50
No. 633—Fly Wheel	1.80 1.00
No. 634—Handle Complete	.55 .30
No. 635—Base	2.50 1.40
No. 636—Journal	.90 .50
No. 637—Dasher	1.25 .70
No. 638—Receptacle with Faucet	5.40 3.00
No. 639—Faucet Spout	.90 .50
No. 640—Faucet Plug	.90 .50
No. 641—Covers (Pair)	.90 .50
No. 642—Gear Shaft	.35 .20
No. 643—Dash Rod	.55 .30
No. 644—Stay Rod (Right)	.45 .25
No. 645—Stay Rod (Left)	.45 .25
No. 646—Side Rod	.70 .40
No. 647—Fly Wheel Set Screw	.20 .10
No. 648—Thumb Screw	.20 .10
No. 649—Pinion Set Screw	.20 .10
No. 650—Gear Set Screw	.20 .10
No. 651—Stay Rod Nut	.20 .10

EXTRA PARTS FOR DAZEY CHURNS



FOR No. 1000 CHURN

	Each
No. 1030—Bridge	$3.05 1.70
No. 1031—Pinion	.45 .25
No. 1032—Gear	1.10 .60
No. 1033—Fly Wheel	2 90 1.60
No. 1034—Handle, Complete	.55 .30
No. 1035—Base	3.60 2.00
No. 1036—Journal	.90 .50
No. 1037—Dasher	1.45 .80
No. 1038—Receptacle, with Faucet	9.00 5.00
No. 1039—Faucet Spout	2.15 1.20
No. 1040—Faucet Plug	1.80 1.00
No. 1041—Covers (Pair)	1.10 .60
No. 1042—Gear Shaft	.45 .25
No. 1043—Dash Rod	.55 .30
No. 1044—Stay Rod (Right)	.45 .25
No. 1045—Stay Rod (Left)	.45 .25
No. 1046—Side Rod	.70 .40
No. 1047—Fly Wheel Set Screw	.20 .10
No. 1048—Thumb Screw	.20 .10
No. 1049—Pinion Set Screw	.20 .10
No. 1050—Gear Set Screw	.20 .10
No. 1051—Stay Rod Nut	.20 .10

Note—When Ordering Parts, be Sure and Specify Number of Churn, Name and Number of Part.

RIDING SADDLES

Tree—15½ in., hide covered, "Collard" steel fork, wide swell front, laced rawhide horn.
Skirts—Bastos, 28×13 in., round corners wool lined.
Front—Rawhide bound, solid center, not laced.
Seat—Full, jockey's seat and cantle in one piece.
Cantle—Straight, rawhide bound.
Stirrup Leathers—3 in.
Fenders—9½×6¾ in.
Latigos—Long, 1½ in., short, 1⅜ in.
Stirrups—Bent wood, leather tread.
Cinchas—Connected, 40 strand fish cord, front with leather safes, 4 in. white belting, web flank.
No. R127H—All plain, double cinchas, w't about 29½ lbs. .....each $84.00

Fancy pattern, hand stamped.
Tree—15½ in., beef hide covered, "Mart-Mill" steel fork, wide swell front, laced rawhide horn, leather lined.
Skirts—Bastos, 27½×13 in., wool lined.
Front—Rawhide bound and beaded, solid center, not laced.
Seat—Full, jockey's seat and cantle in one piece.
Cantle—Straight, rawhide bound.
Stirrup Leathers—3 in.
Fenders—8½×15½ in.
Latigos—Long 1½ in., short 1⅜ in.
Stirrups—Bent wood, leather tread.
Cinchas—California, 16 strand, white Angora, wool lined leather safes with tongues.
No. R129H—Double cinchas, w't about 26 lbs. .....each $84.00

Fancy design, basket pattern, hand stamped.
Tree—15 in., beef hide covered, "Goodsill" steel fork, wide swell front, plain horn.
Skirts—Bastos, 26×12½ in., wool lined.
Front—Yoke layer over gullet stitched on.
Seat—Full jockey's seat and cantle in one piece.
Cantle—Straight, bound.
Stirrup Leathers—3 in.
Fenders—8½×15½ in.
Latigos—Long 1½ in., short 1⅜ in.
Stirrups—Bent Wood.
Cinchas—18 strand cotton, leather safes with tongues.
No. R130H—Double cinchas, w't about 27 lbs. .....each $84.00

Tree—15 in., hide covered, "Summers" steel fork, medium wide swell front, plain horn.
Skirts—Bastos, 11½×23 in., wool lined.
Seat—Full, jockey's seat and cantle in one piece.
Cantle—Straight, bound.
Stirrup Leathers—2 in.
Fenders—8×15 in.
Latigos—Long, 1½ in., short, 1⅛ in.
Stirrups—Bent wood.
Cinchas—5 in Mexican cotton, with tongues.
No. R131H—Double cinchas, w't about 24 lbs. .....each $77.70

Western style, hand stamped.
Tree—16 in., hide covered, "Ingram" steel fork, medium wide swell front, laced rawhide horn, leather lined.
Skirts—Bastos, 25 1/2 in., wool lined.
Front—Rawhide bound, solid center, not laced.
Seat—Full jockey's seat, one pc. cantle.
Cantle—Straight, rawhide bound.
Stirrup Leathers—2½ in.
Fenders—8½×16 in
Latigos—Long, 1⅜ in., short 1⅛ in.
Stirrups—Bent wood, leather covered tread.
Cinchas—18 strand, soft gray hair, wool lined leather safes and tongues.
No. R133H—Double cinchas, w't about 27½ lbs. .....each $77.70

No. 138H, California style.
Tree—"Cherokee," hide covered, 15 in., steel fork.
Skirts—Wool lined, 12½×24½ in.
Seat—Full jockey's seat, one pc. cantle.
Fenders—7½×15½ in
Stirrup Leathers—2½ in.
Latigos—Long 1⅜ in., short 1⅛ in.
Stirrups—Ox bow, leather tread, 2 in. bottoms.
Cinchas—15 strand Cal. soft gray hair, leather safes with buckle tongues.
No. R138H—Double cinch, w't about 24 lbs. .....each $73.50

RIDING SADDLES

No. 151H California style, nickel horn.

Tree—Nickel horn, hide covered, 14½ in., steel fork.
Skirts—Wool lined, 12x23 in.
Seat—Full, jockeys, seat and cantle in one piece.
Fenders—7½x15 in.
Stirrup Leathers—2 in.
Latigos—Long 1½ in., short 1¼ in.
Stirrups—Ox bow, 1½ in. bottoms.
Cinchas—20 strand Texas cotton, with buckle tongues.

No. R151H—Double cinch, w't about 21 lbs. .....each $73.50

No. 152H, Western styles.

Tree—Improved "Steinway," hide covered, 14½ in., steel fork.
Skirts—Felt lined, 11½x22½ in.
Seat—Full, jockeys, seat and cantle in one piece.
Fenders—7x14½ in.
Stirrup Leathers—2 in.
Latigos—Long 1¼ in., short 1¼ in.
Stirrups—California block, 2½ in. bottoms.
Cinchas—18 strand Texas cotton, with buckle tongues.

No. R152H—Double cinch, w't about 18 lbs. .....each $75.60

No. 155H, Western Style.

Tree—14½ in., steel fork.
Skirts—11½x22½ in., unlined.
Seat—Full, jockeys, seat and cantle in one piece.
Fenders—8½x16 in.
Stirrup Leathers—2 in.
Latigos—Long 1½ in., short 1¼ in.
Stirrups—Ox bow, 1½ in. bottoms.
Cinchas—20 strand Texas cotton.

No. R155H—Double cinch, w't about 20 lbs. .....each $52.80

Western style.

Tree—14½ in., Improved Comanche, steel fork, hide covered.
Skirts—Full lined, 22½ in.
Seat—Full, seat, jockeys and cantle in one piece.
Cantle—Roll stitched.
Fenders—14½x7 in.
Stirrup Leathers—2 in., to lace, lined at points
Rigging—1¼ in. front, 1½ in. back, 1 in. connecting straps.
Latigos—1¼ in. short, 1½ in. long.
Stirrups—California block, 2½ in.
Cinchas—18 strand Texas cotton with buckle tongues.

No. R950H—Double cinchas, w't 15 lbs. ....each $65.10

No. 154H, Western style.

Tree—Improved "Steinway," hide covered, 14½ in., steel fork.
Skirts—Felt lined, 12x23½ in.
Seat—Full, jockeys, seat and cantle in one piece.
Fenders—7x14 in.
Stirrup Leathers—1¾ in.
Latigos—1½ in., to tie.
Stirrups—California block, 2½ in. bottoms.
Cinchas—15 strand Texas cotton.

No. R154H—Double cinch, w't about 17 lbs. .....each $65.10

No. 159H, Western style.

Tree—14½ in., steel fork
Skirts—11½x21½ in. felt lined.
Seat—Full, jockeys, seat and cantle in one piece.
Fenders—8½x16 in.
Stirrup Leathers—2 in.
Latigos—1½ in., to tie.
Stirrups—Ox bow, 1½ in. bottoms.
Cinchas—20 strand Texas cotton.

No. R159H—Double cinch, w't about 19 lbs. .....each $47.30

RIDING SADDLES

MEN'S

No. 164H, Western Style.

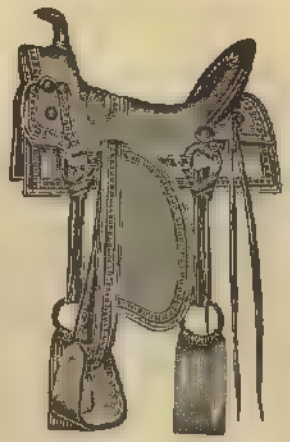
Tree—14½ in., steel fork.
Skirts—Felt lined, 11x22 in.
Seat—Full, jockeys sewed on.
Fenders—7x14 in.
Stirrup Leathers—1½ in.
Latigos—1½ in., to tie.
Stirrups—4 in., common wood.
Cinchas—15 strand Texas cotton.

No. R164H—Double cinch, w't about 16 lbs. .....each **$44 00**

No. 162H, Western Style.

Tree—14½ in., steel fork.
Skirts—11x21 in., wool covered bars.
Seat—Half with jockeys.
Fenders—7x14 in.
Stirrup Leathers—1½ in.
Latigos—1½ in., to tie.
Stirrups—4 in., Texas bolt.
Cinchas—15 strand Texas cotton.

No. R162H—Double cinch, w't about 13 lbs. .....each **$46.70**



No. 766H, Western Style.

Tree—14 in., steel fork.
Skirts—10x21 in., felt lined.
Seat—Half, straight cantle, skirt forming jockeys.
Fenders—8x13 in.
Stirrup Leathers—1½ in.
Latigos—1 in. to tie.
Stirrups—4 in., Texas bolt.
Cinchas—16 strand Texas cotton.
No. R766H—Double cinch, w't about 12 lbs. ....each **$44.00**

No. 165H, Western Style.

Tree—14½ in., steel fork.
Skirts—Felt lined, 10x20½ in.
Seat—Full, jockeys sewed on.
Fenders—7x14 in.
Stirrup Leathers—1½ in.
Latigos—1½ in., to tie.
Stirrups—California block 2 in. bottoms.
Cinchas—15 strand Texas cotton.

No. R165H—Double cinch, w't about 12 lbs. .....each **$44.50**

No. 167H Horn, Morgan.

Tree—14 in., Morgan
Skirts—10½x22½ in., felt lined.
Seat—Full, jockeys and seat in one piece.
Fenders—6½x12 in.
Stirrup Leathers—1¼ in.
Latigos—1½ in., to tie.
Stirrups—4 in., Texas bolt.
Cinchas—15 strand Texas cotton.

No. R167H—Dobue cinch, w't about 12 lbs. .....each **$37.80**

No. 168H Horn, Morgan.

Tree—Morgan, hide covered, 14 in.
Seat—Full.
Stirrup Leathers—1 in.
Tie Straps—1 in.
Cinchas—3 in., cotton back band.
Stirrups—4 in., Texas bolt.

No. R168H—Double cinch, w't about 10 lbs. .....each **$26.80**

RIDING SADDLES

BOYS'

No. 175H Horn, Morgan.

Tree—Morgan, hide covered, 13 in.
Seat—Half.
Stirrup Leathers—1 in.
Tie Straps—1 in.
Stirrups—3 in., wood.
Girths—3 in., cotton back band.

No. R175H—Double cinch, w't about 9 lbs. .....each **$18.40**

No. 195H Horn, Morgan.

Tree—Morgan, 12 in.
Seat—Full.
Stirrup Leathers—¾ in.
Tie Straps—¾ in.
Stirrups—Wood.
Girths—3 in., cotton back band.

No. R195H—W't about 8½ lbs., each **$18.90**

BOYS' OR GIRLS'

No. 199H, Boys' or Girls'.

Tree—11 in., Morgan.
Seat—Full, calfskin quilted.
Cantle—Bound.
Stirrup Leathers—¾ in.
Billets—1 in.
Girth—Corded ring.
Stirrups—2¼ in., wood, hooded.

No. R199H—W't 6¾ lbs. ..each **$15.80**

MEN'S

English Cut Back.

Tree—15½ in., English cut back.
Skirts—Hog skin impression.
Seating—Plain pig skin.
Pad—Sheep skin and heavy linen.
Stirrup Leathers—1 in.
Girth—Corded, buckle.
Stirrups—Iron.

No. R352H—W't 10½ lbs., each **$31.50**

MEN'S

No. 214H, McClellan, Black Leather.

Tree—McClellan, with brasses and mantle straps, 14 in.
Seat—Perforated.
Stirrup Leathers—1 in.
Tie Straps—1 in.
Girth—Corded, ring, to tie.
Stirrups—3 in., wood, with boots.

No. R214H—W't 9 lbs. ..each **$25.20**

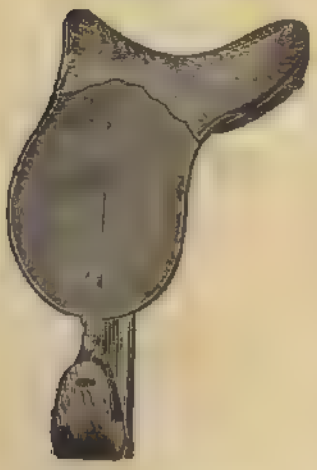
Carry a line of where the better goods upon which you can rely.

The dealer who carries H. S. B. & Co. Brands marks his store as a place goods are sold.

A house with over sixty-seven years' experience stands back of our brands.

RIDING SADDLES AND BRIDLES

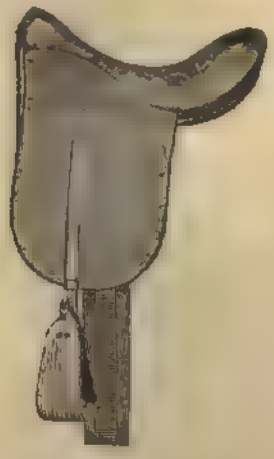
MEN'S SADDLES



Kentucky stitch down.

Tree—Kentucky stitch down, 16 in.
Skirts—Hog skin, impression.
Seating—Calf skin, silk stitched, hand raised.
Pad—Sheep skin and osnaburg.
Stirrup Leathers—1 in.
Girth—Corded, buckle.
Stirrups—4 in. wood.

No. R323H—W't 17 lbs. . .each $29.40

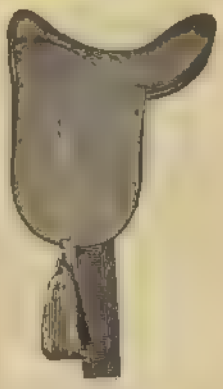


Somerset, fair leather.

Tree—15½ in., Somerset.
Skirts—Hog skin impression.
Seating—Kip.
Pad—Enamel cloth.
Stirrup Leathers—¾ in.
Girth—Fancy cotton, buckle.
Stirrups—2½ in., wood.

No. R368H—W't 7½ lbs. . .each $12.60

MEN'S SADDLES



No. 370H, Somerset fair leather.

Tree—15½ in., Somerset.
Skirts—Hog skin impression.
Seating—Kip.
Pad—Enamel cloth.
Stirrup Leathers—¾ in.
Girth—Fancy cotton, buckle.
Stirrups—2½ in., wood.

No. R370H—W't 7½ lbs. . .each $12.10

BOYS'

No. 374H, Somerset.

Tree—Somerset, 13½ in.
Seating—Kip.
Pad—Sheep skin, osnaburg lined.
Stirrup Leathers—½ in.
Girth—Cotton.
Stirrups—Wood.

No. R374H—W't 6½ lbs. . .each $11.60

All of our Saddles are made by skilled workmen from select stock and are correct in design and finely finished. Send us your mail orders and be convinced that we are offering the best Saddles on the market for the money.

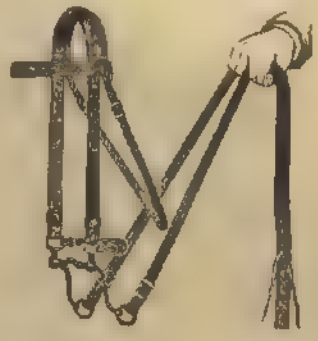
RIDING BRIDLES

CX plate trimmed, flat, solid crown with bit.

No. 202R—¾ in., russet, per dozen $33.60

No. 203R—⅞ in., russet, per dozen $37.80

No. 212R—¾ in., XC trimmed, russet leather, flat, solid crown, with bit, per dozen $38.90

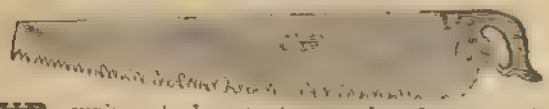


Russet leather XC trimmed, double head stall, 5 foot quirt reins to buckle, with bit.

No. 220R—¾ in. . . . .per dozen $63.00
No. 221R—⅞ in. . . . .per dozen 70.40
No. 222R—1 in. . . . .per dozen 78.80

ONE-MAN SAWS

CHAMPION TOOTH

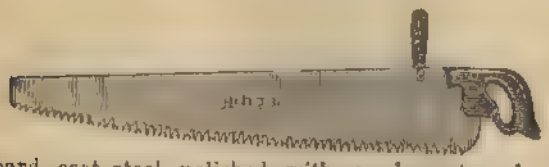


[illegible], spring steel, patent ground and tempered, polished, extra wide blade, nickel plated screws, with supplementary handle.

The foundation of these saws is a special process steel, carefully inspected and tested in order to insure uniformity. Great care has been given to hardening and tempering to secure the proper degree of hardness and toughness.

No. E220 [illegible]—Feet	2½	3	3½	4	4½	5
Width at butt, in.	7⅛	7⅜	7½	7⅝	7¾	8
W't, lbs.	2½	3¼	4	5	6¼	7½
Each	$4.20	5 00	5.80	6.60	7.40	8.20

QUARTER DOZEN IN A BUNDLE



Hibbard, cast steel, polished, with supplementary handle.

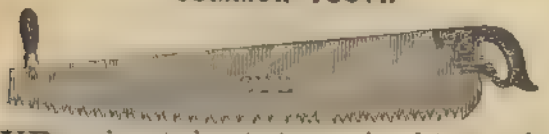
No. E21 Hibbard—Feet	2½	3	3½	4	4½	5
Width at butt, in.	6	6⅛	6¼	6⅜	6⅞	7
W't, lbs.	3	3¾	4	5¼	6	6¾
Each	$3.40	4.10	4.90	5.50	6.20	6.90

QUARTER DOZEN IN A BUNDLE

No. E23—Disston's—Ft.	2½	3	3½	4	4½	5
Width at butt, in.	6⅛	6⅛	7	7⅛	7⅛	7⅛
W't, lbs.	3	3¾	4	5¼	6	6¾
Each	$4.00	4.80	5.60	6.40	7.20	8.00

QUARTER DOZEN IN A BUNDLE

COMMON TOOTH

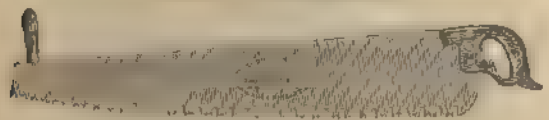


[illegible], spring steel, patent ground and tempered, polished, extra wide blade, nickel plated screws, with supplementary handle.

No. E230 [illegible]—Feet	3½	4	4½
Width at butt, in.	7	7⅛	7⅛
W't, lbs.	4¾	5	6¾
Each	$5 80	6.60	7.40

QUARTER DOZEN IN A BUNDLE

GREAT AMERICAN

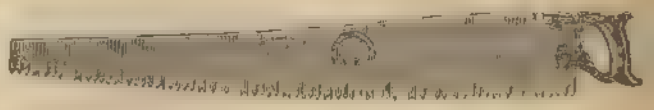


DISSTONS, cast steel, polished, with supplementary handle.

No. E25—Feet	3	3½	4	4½	5
Width at butt, in.	7⅛	7⅛	7⅛	7⅛	7⅛
W't, lbs.	3	4½	5½	6	7½
Each	$5.20	6.10	7.00	7.70	8.60

QUARTER DOZEN IN A BUNDLE

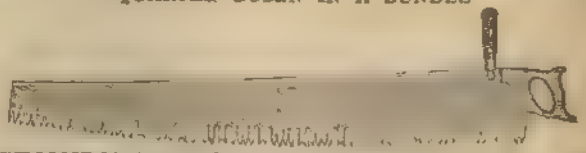
PERFORATED LANCE TOOTH



DISSTON'S CEDAR SAVAGE, spring steel, polished, with supplementary handle.

No. E410—Feet	3½	4	4½
Width at butt, in.	7½	7⅝	7¾
W't, lbs.	4⅝	5½	6¼
Each	$7.60	8.70	9.80

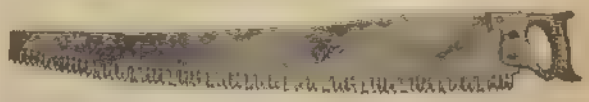
QUARTER DOZEN IN A BUNDLE



SIMONDS' CRESCENT GROUND, lance tooth. Accurately tapered from cutting edge to back. An even gauge all along the tooth edge. Cuts easy and saws fast. Double horn handle with large opening enabling operator to use glove or mitten in winter.

No. E223—Feet	3½	4	4½
Width at butt, in.	7⅛	7½	7⅞
W't, lbs.	4½	5	5½
Each	$8 40	9.40	11.60

HALF DOZEN IN A CASE



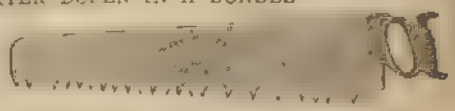
ATKIN'S special steel taper ground, has four cutting teeth and raker, with supplementary handle.

No. E654—Feet	3½	4	4½
Width at butt, in.	6⅞	6⅞	7
W't, lbs.	4½	5½	6½
Each	$8 40	9.40	11.60

QUARTER DOZEN IN A BUNDLE

ICE SAWS

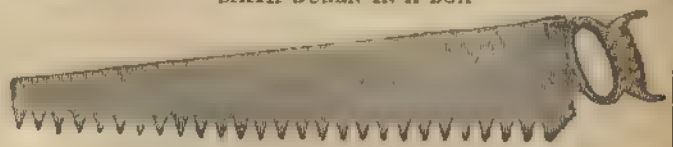
WAGON



DISSTON'S, wagon cast steel, polished, japanned iron handle.

No. 73—Inches	26	28	30
W't per doz., lbs.	42	47	55
Each	$3.80	3.90	4.00

SIXTH DOZEN IN A BOX

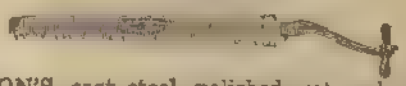


Cast steel blade, polished malleable iron handle.

No. 175—Inches	26	28	30
W't, per doz., lbs.	40	45	52
Each	$2.90	3.00	3.10

SIXTH DOZEN IN A BOX

POND



DISSTON'S, cast steel, polished, set and sharpened 10 gauge, tapered from 7 to 5 in., with handle.

Nos.	E404	E404½	E405
Feet	4	4½	5
W't, lbs.	10	12	13
Each	$7.50	8.50	9.40

LOOSE

SAW SWAGES

CONQUEROR

Swage, jumper or upset, polished steel, carefully hardened and tempered, with blued polished extra steel band, length 4½ in., w't 8 oz.

No. 1—For large circular saws, each $7.90

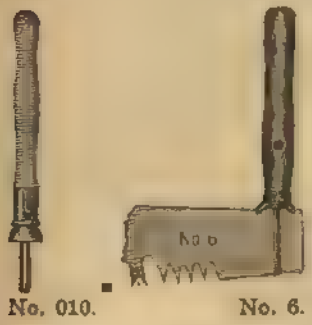
No. 2—For small circular saws and mill saws .....each $6 40

ONE IN A BOX

CROSS CUT SAW HANDLES

No. 122—Disston's, 8 in. long neck, heavy malleable iron cap, tapped for loop rod, which extends through handle insuring firm grip on saw, nicely finished, w't per doz. prs. 30 lbs. .....per dozen pairs $14.00

LOOSE



No. 010. No. 6.

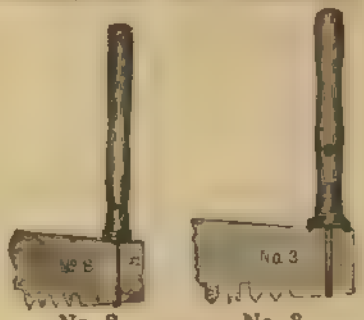
Malleable Loop, Short Malleable Ferrule.

No. 010—9½ in., plain handle, w't per doz. prs. 15 lbs., per dozen pairs $6.80

No. 6—ATKINS, 10 in., varnished handle, w't per doz. prs. 15 lbs., per dozen pairs $8.50

LOOSE

CROSS CUT SAW HANDLES



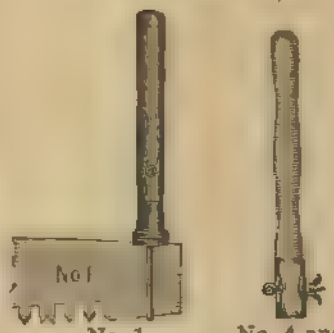
No. 8. No. 3.

ATKINS

No. 8—10 in., malleable loop, extra heavy long malleable ferrule, varnished handle, w't per dozen prs. 27 lbs. .....per dozen pairs $9.90

No. 3—10 in., heavy malleable loop, long malleable ferrule, varnished handle, w't per doz. prs. 21 lbs., per dozen pairs $10.80

LOOSE



No. 1 No. 4 and 22

No. 1—Atkins, 10 in., wrought loop, extra heavy long malleable ferrule, varnished handle, w't per doz. prs. 25 lbs. ....per dozen pairs $10.80

No. 4—Climax, 14 in., reversible, plain handle, w't per doz. prs. 21 lbs., per dozen pairs $7.90

No. 22—Atkins, 14 in., long heavy malleable castings, large steel bolt, wing nut, w't per doz. 25 lbs., per dozen pairs $10.40

LOOSE

No. 5—14 in., malleable loop and arm, plain handle, w't per doz. prs. 30 lbs., per dozen pairs $11.50

LOOSE

CROSS CUT SAW HANDLES

No. 111. No. 108.

No. 111—Atkins, 15 in., malleable clasp, metal parts tinned, fancy polished, w't per doz. prs. 33 lbs., per dozen pairs $9 60

No. 108—Atkins, 12½ in., metal parts tinned, polished handle, w't per doz. prs. 33 lbs., per dozen pairs $10.50

LOOSE

No. 17—14 in., reversible, malleable loop and arm, plain handle, w't per doz. prs. 30 lbs., per dozen pairs $12.40

LOOSE

One-man beechwood, for Ajax, Disston's or Atkins saws, w't per doz. about 7½ lbs.

No. 10—3 screw holes, per dozen $5.00

No. 13—Without screw holes, per dozen $5.00

No. 11—4 screw holes, per dozen $5.00

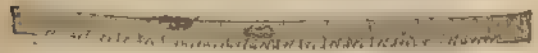
LOOSE

No. 12—One-man supplementary, malleable ferrule and clamp, length 6 in., w't per doz. 4 lb., per dozen $3.60

LOOSE

CROSS-CUT SAWS

HOLLOW BACK, CHAMPION TOOTH



[illegible], finest crucible steel, specially hardened and tempered, taper ground, polished, without handles, 3½ in. wide.

The foundation of these saws is a special process steel, carefully inspected and tested in order to insure uniformity. Great care has been given to hardening and tempering to secure the proper degree of hardness and toughness.

No. E210 [illegible]—Feet	5	5½	6	6½
W't, lbs.	3½	3¾	4	5
Each	$4.40	4.90	5.20	5.70

LOOSE

Hibbard, cast steel, polished, without handles, 3½ in. wide.

No. E7—Feet	5	5½	6	6½
W't, lbs.	3½	4½	4¾	5
Each	$3.40	3.80	4.10	4.40

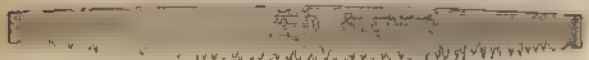
LOOSE

DISSTON'S, cast steel, polished, without handles, 3½ in wide.

No. E8—Feet	5	5½	6	6½
W't, lbs	3½	4	4½	5
Each	$4.40	4.90	5.20	5.70

LOOSE

DIAMOND TOOTH



[illegible], Lone Star pattern, 14 to 18 gauge, high grade spring steel, extra thin back, without handles, all 5½ in wide at center.

No. E205 [illegible]—Feet	5	5½	6	6½
W't, lbs.	4½	5	5½	6½
Each	$8.00	9.00	9.90	10.80

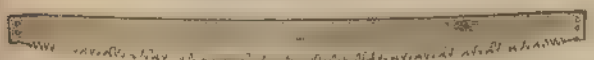
LOOSE

ATKINS, special steel, graduated from 14 to 18 gauge, without handles.

No. E222—Feet	5	5½	6	6½
Width at center, in.	6⅝	6⅝	7⅛	7⅛
W't, lbs.	4½	5½	7½	7½
Each	$8 20	9.10	9.90	10 80

LOOSE

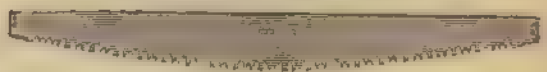
CHAMPION TOOTH



DISSTON VIRGINIAN, crucible steel, finely polished and tempered ground 14 to 20 gauge, without handles.

No. E289—Feet	5	5½	6
Width at center, in.	6½	6⅝	7
W't, lbs. in.	6	6½	7
Each	$10.00	9.90	13.60

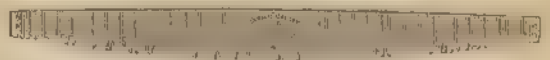
CHAMPION TOOTH



Hibbard, cast steel, polished, thin back, graduated from 14 to 16 gauge, without handles.

No. E9—Feet	5	5½	6	6½	7
Width at center, in.	7	7⅛	7⅛	7⅛	8
W't, lbs.	7½	8	8½	9	9½
Each	$6.60	7.30	8.00	8.60	8.90

LOOSE



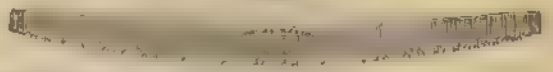
DISSTON'S, cast steel, polished, thin back, graduated from 14 to 16 gauge, without handles.

No. E2—Feet	5	5½	6	6½
Width at center, in.	7	7⅛	7⅛	7⅛
W't, lbs.	6½	7	8	9½
Each	$6.60	7.30	8.00	8.60

DISSTON'S, cast steel, polished, extra thin back, graduated from 14 to 18 gauge, without handles.

No. E1—Feet	5	5½	6	6½
Width at center, in.	7	7⅛	7⅛	7⅛
W't, lbs.	5½	6½	7	7½
Each	$7.60	8.40	9.20	9.90

LOOSE



DISSTON'S, zip cross cuts, champion tooth, finest crucible, steel blade, extra thin back, 14x19 gauge.

No. E33—Feet	5	5½	6
Width at center, in.	5½	5½	5½
W't, lbs.	5	6	7
Each	$10.10	11.90	13.60

LOOSE

SIMOND'S, radial ground, champion tooth, made of Simonds' crucible steel and ground to a gradual and true taper from extreme point of tooth to back edge of saw blade. Even gauge all along the tooth edge, which gives the greatest possible clearance at all parts of the cut. Polished 14 to 19 gauge without handles.

No. E1300—Feet	5½	6
Width at center, in.	6⅝	7
W't, lbs.	5½	6½
Each	$11.90	13.90

LOOSE

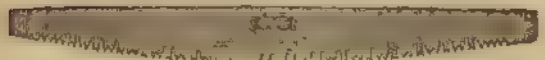
SIMONDS', crescent ground champion tooth. Made of Simonds' crucible steel, tempered to hold a cutting edge longer than the ordinary saw. Ground to an even taper from tooth edge to back. Cut easy, saw fast and wear well. Polished, 14 to 19 gauge, without handles.

No. E13—Feet	4½	5	5½	6	6½
Width at center, in.	5½	6⅛	6⅝	7	7⅛
W't, lbs.	4½	5½	6½	7½	8½
Each	$9.30	10.40	11.90	13.80	16.00

LOOSE

CROSS CUT SAWS

TUTTLE TOOTH

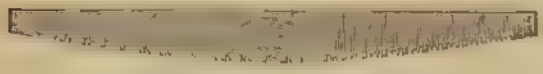


[illegible], finest crucible steel, especially hardened and tempered, taper-ground, polished, graduated 14 to 19 gauge, without handles.

The foundation of these saws is a special process steel, carefully inspected and tested in order to insure uniformity. Great care has been given to hardening and tempering to secure the proper degree of hardness and toughness.

No. E200 [illegible]—Feet	5	5½	6	6½
Width at center, in.	6½	7	7½	7½
W't, lbs.	5	6	6½	7½
Each	$8.60	9.40	10.30	11.00

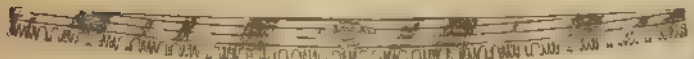
LOOSE



DISSTON'S, spring steel, extra thin back, graduated from 14 to 19 gauge, without handles.

No. E3—Feet	5	5½	6	6½
Width at center, in.	6½	7	7½	7½
W't, lbs.	4½	5½	6½	7½
Each	$8.60	9.40	10.30	11.10

LOOSE



These saws are known as Crescent Ground Cottonwood saws. They are particularly adapted for use in lumbering operations throughout the lower Mississippi Valley and bordering states.

SIMONDS', crescent ground cottonwood pattern. This saw is slightly narrower than the standard straight back saw. The teeth are ground to an even thickness throughout the entire length of the blade. Made of Simonds' polished, 14 to 19 gauge.

No. E326—Feet	5½	6	6½	7
Width at center, in.	5½	5⅞	6¼	6⅝
W't, lbs.	5½	6½	7½	8
Each	$11.90	13.80	16 00	18.20

LOOSE

TUTTLE TOOTH

ATKINS' cast steel, graduated from 14 to 18 gaug without handles.

No. E331—Feet	5	5½	6	6
Width at center, in.	6⅞	6⅞	7	7
W't, lbs.	5	6	7	7
Each	$7.60	8.30	9.10	9.9

ATKINS', cast steel, graduated from 14 to 19 gaug without handles.

No. E332—Feet	5	5½	6	6½	7
Width at center, in.	6⅞	6⅞	7	7⅛	8
W't, lbs.	5	5½	6½	7½	9
Each	$8.10	9.00	9.80	10.60	11.5

LOOSE

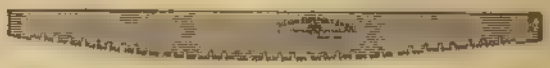
COMMON TOOTH

DISSTON'S, cast steel patent ground, 14 to 16 gaug without handles.

No. E6—Feet	4	4½	5	5½	6
Width at center, in.	6½	6½	6⅞	7	7
W't, lbs.	3½	4½	5½	6½	7
Each	$5.30	6.00	6.60	7.30	8.0

LOOSE

GREAT AMERICAN



DISSTON'S, cast steel, polished, 14 to 16 gauge, with out handles.

No. E31—Feet	5	5½	6
Width at center, in.	6⅞	7	7½
W't, lbs.	5½	7	7½
Each	$8 00	8.70	9.50

LOOSE

CROSS CUT SAWS

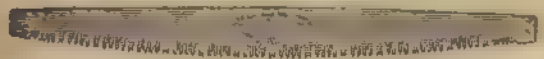
PERFORATED LANCE TOOTH

The foundation of these saws is a special process steel, carefully inspected and tested in order to insure uniformity. Great care has been given to hardening and tempering to secure the proper degree of hardness and toughness.

[illegible], 14 to 19 gauge, high grade spring steel, without handles.

No. E215 [illegible]—Feet	5	5½	6	6½
Width at center, in.	5⅞	6⅛	6⅜	7⅛
W't, lbs.	4¾	5⅛	6⅛	7⅛
Each	$9.60	10.70	11.60	12 60

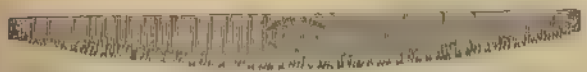
LOOSE



DISSTON'S, spring steel, extra thin back, graduated from 14 to 18 gauge, without handles.

No. E16—Feet	5½	6	6½
Width at center, in.	6⅛	6½	6⅞
W't, lbs.	5⅛	6⅛	7⅛
Each	$10.70	11.60	12.60

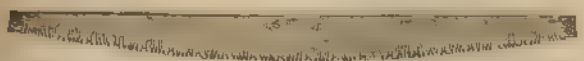
LOOSE



DISSTON SUWANEE, highest grade crucible steel, carefully ground, tempered and polished, 14 to 20 gauge. Four cutting teeth to each raker, without handles.

No. E34— Length, ft.	5	5½	6
Width at center, in.	6½	6⅝	7
W't, lbs	5	5½	6½
Each	$10 00	11.90	13.50

LOOSE



SIMONDS', radical crescent cross-cut saw with lance tooth. Made of Simonds' crucible steel and ground to a gradual and true taper from extreme point of teeth to back edge of saw blade, even gauge all along the tooth edge, polished 14 to 19 gauge, without handles.

No. E2200—Feet	5½	6
Width at center, in.	6⅞	7
W't, lbs.	6½	7½
Each	$11.90	13.80

LOOSE

SIMONDS, cast steel, polished 14 to 19 gauge, four cutting teeth to each raker, used largely in the middle West and South.

No. E133—Feet	5½	6	6½
Width at center, in.	5⅞	5⅞	6
W't, lbs.	4½	5½	6½
Each	$11.90	13.80	16.00

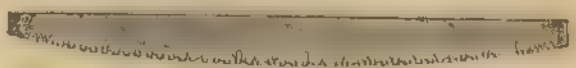
LOOSE

PERFORATED LANCE TOOTH

SIMONDS', crescent ground, lance tooth. Made of Simonds crucible steel, tempered to hold a cutting edge longer than the ordinary saw. Ground to an even taper from tooth edge to back, polished, 14 to 19 gauge, without handles.

No. E22—Feet	5	5½	6	6½
Width at center, in.	6⅛	6⅜	7	7⅛
W't, lbs.	5½	6½	7½	8½
Each	$10 40	11.90	13.80	16.00

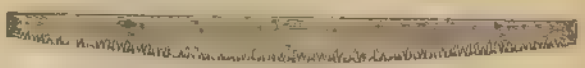
LOOSE



SIMONDS', crescent ground cottonwood pattern. Slightly narrower than the standard straight back saw. The teeth are ground to an even thickness throughout the entire length of the saw. Made of Simonds' crucible steel, polished, 14 to 19 gauge.

No. E316—Feet	5½	6	6½	7
Width at center, in.	5⅜	5⅝	6⅛	6⅜
W't, lbs.	5½	6	6⅜	7⅛
Each	$11.90	13.80	16.00	18.20

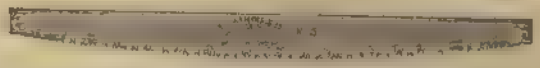
LOOSE



SIMONDS', crescent ground cottonwood pattern. Slightly narrower than the standard straight back saw. The teeth are ground to an even thickness throughout the entire length of the saw. Made of Simonds' crucible steel, polished, 14 to 19 gauge, four cutting teeth to each raker.

No. E324—Feet	5½	6	6½	7
Width at center, in.	5⅜	5⅝	6⅛	6⅜
W't, lbs.	5⅜	6	6⅜	7⅛
Each	$11.90	13.80	16.00	18.20

LOOSE



ATKINS', perfection, silver steel, perforated, lance tooth, 14 to 20 gauge, medium width, four cutting teeth to each raker, without handles.

This saw is especially adapted for hard wood and frozen timber.

No. E4—Feet	5½	6	6½
Width at center, in.	5⅜	6	6⅛
W't, lbs.	5½	6	7
Each	$11.80	13.60	15.90

LOOSE

GENUINE HOHNER HARMONICAS

HOHNER BOY ASSORTMENT

No. 425—Assortment consists of one dozen Harmonicas in a variety of styles and keys, **to retail at $1.00 each,** mounted on a very attractive cut-out easel printed in six different colors,
per asst. $8.00

These assortments of Hohner Harmonicas are very attractively gotten up and should be in the stock of every retail dealer.

TO RETAIL AT 50 CENTS EACH

No. 1 Assortment—Consists of 12 genuine Hohner Harmonicas in 3 different styles, assorted keys. Packed in a handsome display carton adapted for counter display, per assortment $7.60

TO RETAIL AT $1.00 EACH

No. 2 Assortment—Consists of 12 genuine Hohner Harmonicas in 5 different styles, assorted keys. Packed in a handsome, flat display carton adapted for counter display .....per assortment $11.50

The Hohner collapsible display cabinet is one of the handsomest and most practical harmonica displays that has ever been devised. It sells harmonicas. Comprises 3 trays of the best seasoned wood so ingeniously arranged and constructed as to permit the opening and closing of the entire cabinet in a moment's time.

The cabinet is elaborately finished in a rich dark mahogany, piano polish with attractive lettering on the cover.

The cabinet when open displays the entire contents of 38 harmonicas at one time, when closed resembles a handsome jewel case and occupies less than a square foot of space. Will increase your harmonica sales 100%.

No. 400 Assortment—Consists of:

16	Harmonicas	to retail at	$0.50 each	$8.00
6	Harmonicas	to retail at	.60 each	3.60
6	Harmonicas	to retail at	.75 each	4.50
10	Harmonicas	to retail at	1.00 each	10.00
			Total retail value	.....$26.10

Per assortment $29.50

ONE ASSORTMENT IN A BOX

Hohners revolving display stand is built of thoroughly seasoned wood of 1¼ in. thickness, obeliscal in shape, mounted on a metal disc connected by the means of a cylindrical bar to a set of durably constructed clockworks of sufficient strength to revolve the obelisk for over 3½ hours with one winding.

The entire stand is finished in a deep rich mahogany piano polish with very attractive silver pressings and having the number and retail price of each harmonica stenciled in a neat design on obelisk.

Measures 32 in. high, by 10½ in. square at base, and 6¾ in. square at the top. Stand displays 36 assorted genuine Hohner Harmonicas, fastened by means of steel spring clamps.

Each instrument is an excellent seller.

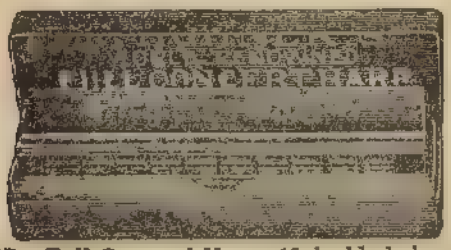
No. 600 Assortment—Consists of:

12	assorted Harmonicas	to retail at	$0.50 each	$6.00
4	assorted Harmonicas	to retail at	.60 each	2.40
4	assorted Harmonicas	to retail at	.75 each	3.00
8	assorted Harmonicas	to retail at	1.00 each	8.00
2	assorted Harmonicas	to retail at	1.50 each	3.00
4	assorted Harmonicas	to retail at	2.00 each	8.00
2	assorted Harmonicas	to retail at	2.50 each	5.00
			Total retail value	.....$35.40

Per assortment $43.00

ONE ASSORTMENT IN A BOX

GENUINE HOHNER HARMONICAS



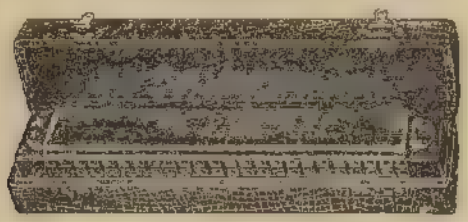
No. 3CND—Full Concert Harp, 10 double holes, 40 reeds, brass plates, nickel plated brass covers, length 4 in., per dozen $12.00

ONE IN A HINGED PASTEBOARD BOX. HALF DOZEN IN A PACKAGE

A very handsome bell harmonica.

No. 122—Marine Orchestra, length 6¾ in., 14 double holes, 28 reeds, brass plates, heavy nickel-plated covers, 2 bells in different tones, extension ends finely impressed with gold design .....per dozen $16.00

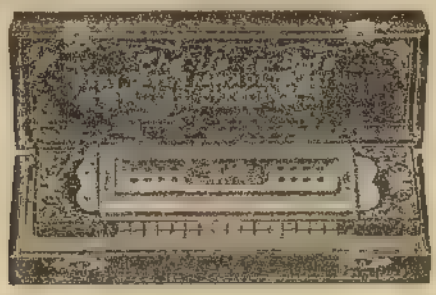
ONE IN AN INDIVIDUAL CARTON



Tremolo Instrument, Large Size. An Ideal Harmonica for Concert Playing; Has an Exceptionally High Range.

No. 453—The Goliath, 24 double holes; 48 reeds; brass plates; heavy convex covers, nickel plated with open back, length 7⅛ in. .....per dozen $23.00

ONE IN A HANDSOME HINGED COVER WOOD CASE COVERED WITH IMITATION ALLIGATOR SKIN COVERING. HALF DOZEN IN A CARTON.



Two Harmonicas in One; Two Different Keys. An Elaborate double Sided Instrument. Representing the Very Finest in Harmonica Construction.

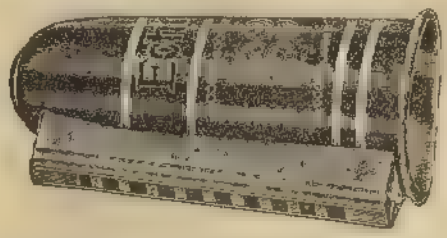
No. 46½—Up-to-date, 32 double holes; 64 reeds; brass plates; nickel plated covers, fancy silver stamped extension ends with frame in mahogany finish, length 7 in., per dozen $30.00

ONE IN A HANDSOME WOOD BOX WITH HINGED COVER, SILVER LETTERED AND WITH SILVER FINISHED CLASPS. HALF DOZEN IN A CARTON

Large Double Sided Tremolo Instrument in Two Keys. Two Harmonicas in One

No. 606—Echo, 64 perfectly tuned reeds; genuine brass plates; finely nickel plated covers with turned in ends, length, 5½ in. .....per dozen $19.20

ONE IN AN ATTRACTIVE PASTEBOARD BOX WITH HINGED COVER SHOWING PICTURE PRINTED IN MANY COLORS. HALF DOZEN IN A CARTON.



A decidedly novel instrument in the shape of a cartridge.

No. 3810—Echophone, length 4½ in., brass shell in gunmetal and brass finish, with engraving and colored lettering, 10 holes, 20 reeds, brass plates, finely nickel-plated covers .....per dozen $15.00

ONE IN A BOX HALF DOZEN IN A PACKAGE

A novel and practical instrument.

No. 3101—Harmonette, length 4¾ in., 14 double holes, 28 reeds, brass plates, finely nickel-plated covers; to the harmonica is attached a harp-shaped resonator or sound box of thoroughly seasoned wood in mahogany, ebony and birdseye maple finish, bearing gold impressions; reinforced with nickel-plated metal band, per dozen $16.00

ONE IN A BOX HALF DOZEN IN A CARTON

JEWS' HARPS

Something that many of our friends have been waiting for.

Plain Pattern

No. 23—2½ in., **Wrought iron frame,** steel tongue, per dozen $2.00

No. 40—2½ in., **bronzed frame and tongue,** per dozen $2.30

No. 25—3 in, **wrought iron frame,** steel tongue, per dozen $3.00

No. 42—3 in., **bronzed frame** and tongue, per dozen $3 50

THREE DOZEN IN A BOX

LUDWIG'S PINE TREE HARMONICAS

GENUINE RITCHER

The celebrated "Pine Tree" Harmonicas have an established reputation for quality, workmanship and superior tone. Due to the world's war they have off the market and unobtainable until now.
Substantially constructed. Excellent tone.

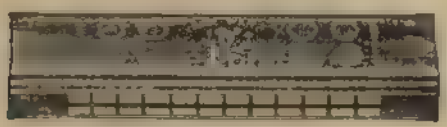
No. 33—Pine Tree, length 3⅞ in., 10 single holes, 20 reeds, brass plates, nickel plated covers, per dozen $2.40
ONE IN A TELESCOPE BOX. HALF DOZEN IN A PACKAGE

P. POHL HARMONICAS

Substantially constructed.

No. 163—Length 3⅛ in., 10 double holes, 8 reeds, zinc plates, nickel plated covers .....per dozen $0.90
A Harmonica of fine appearance.

ONE IN A TELESCOPE BOX, 1 DOZEN IN A PACKAGE



A Harmonica of fine appearance.

No. 165—Length 4¼ in., 12 double holes, 12 reeds, zinc plates, nickel plated covers .....per dozen $1.60

ONE IN A TELESCOPE BOX, 1 DOZEN IN A PACKAGE

GENUINE FR. HOTZ HARMONICAS

Perfect in tone, uniform in quality.

No. 00—The Blue Ribbon, length 3¾ in., 10 single holes, 20 reeds, brassed zinc plates, nickel plated covers, per dozen $3.00
ONE IN A TELESCOPE BOX, HALF DOZEN IN A PACKAGE

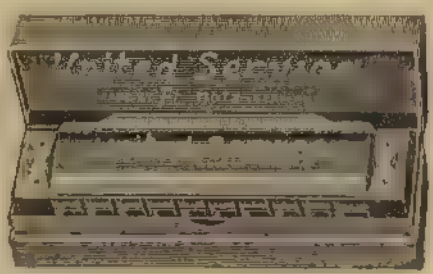
The reeds in this instrument are all possessed of very responsive quality and perfect tone and will serve the purpose of the most critical player.

No. 01—The Sport, length 4 in., 10 single holes, 20 reeds, brassed zinc plates, nickel plated covers, per dozen $3.20
ONE IN A HINGED BOX, HALF DOZEN IN A PACKAGE

GENUINE FR. HOTZ HARMONICAS

A finely constructed Harmonica of exceptional value.

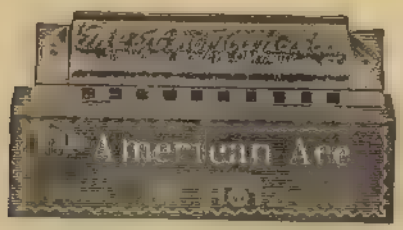
No. 04—Excelsior, length 4½ in., 10 double holes, 20 reeds, brassed plates, nicely nickel plated covers, turned in ends, per dozen $3 60
ONE IN A TELESCOPE BOX, HALF DOZEN IN A PACKAGE



Full concert size, unsurpassed in tone and quality.

No. 03—United Service, length 4⅝ in., 10 double holes, 20 reeds, brassed zinc plates, nickel plated covers, per dozen $7.50
ONE IN A HINGED BOX, HALF DOZEN IN A PACKAGE

GENUINE FR. HOTZ HARMONICAS



A popular and mighty fine instrument.

No. 02—The American Ace, length 4 in., 10 single holes, 20 reeds, brassed plates, nicely nickel plated heavy covers .....per dozen $3 50

ONE IN A TELESCOPE BOX, HALF DOZEN IN A PACKAGE

A dandy assortment of 25 cent harmonicas put up in a counter display "lithographed in four colors," that has real selling merit. Warranted first class quality.

No. 019—Happy Days, assortment consists of 1 doz. assorted Nos. 01 and 02 FR. HOTZ Harmonicas, each having 10 single holes, 20 reeds, brassed plates, nickel plated covers .....per assortment $3.50

ONE ASSORTMENT IN A BOX

GENUINE HOHNER HARMONICAS

MINIATURE SIZE

Extremely novel and attractive, excellently made miniature size HOHNER Harmonica. Made with as great care as used in making the regular large size harmonicas. Will make a dandy item to be used as a gift or prize at parties, etc. Has small ring to fasten on to watch chain or fob. Has 8 clear notes.

No. 39—Miniature, full length 1⅞ in., has 4 single holes, 8 reeds, fancy brass plates, nickel plated covers, has small brass ring for attaching to watch chain or fob, per dozen $4.00

ONE IN A HANDSOME TELESCOPE BOX ONE DOZEN IN A CARTON

GENUINE HOHNER HARMONICAS

A medium size, double-sided Tremolo Harmonica in two different keys.

No. 59—Chimes, length 4½ in., 48 perfectly tuned reeds, genuine brass plates, nicely nickel plated covers in new design, turned in ends. Each harmonica in a handsome durable hinged box .....per dozen $15.00

HALF DOZEN IN A CARTON

A snappy up-to-the-minute harmonica display, which no dealer can afford to be without. It is gotten up to sell harmonicas and has made good. It is a double tier folding display printed in four colors, picturing two real boys having a picnic with a Hohner Harmonica.

No. 410—Gee! It's a Hohner, assortment consists of 1 doz. assorted world's famous Nos. 34B, 50B and 132 Hohner Harmonicas, assorted keys, per assortment $8.20

ONE ASSORTMENT IN A BOX

P. POHL HARMONICAS

A good looking toy harmonica in Richter model.

No. 160—Length 4 in., 10 single holes, 8 reeds, zinc plate, nicely nickel plated covers, colored frame. per dozen $0.80

ONE IN A NEAT BOX ONE DOZEN IN A PACKAGE

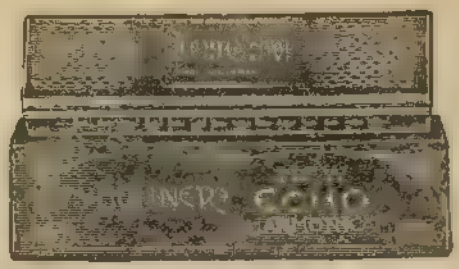
GENUINE HOHNER HARMONICAS

No. 34B—The Old Standby, 10 single holes, 20 reeds, brass plates, nickel plated covers, length 4 in., per dozen $7.50
ONE IN A HINGED PASTEBOARD BOX

No. 50B—The Old Favorite, 10 double holes, 20 reeds, brass plates, nickel plated covers, length 4 in., per dozen $7.50
ONE IN A HINGED PASTEBOARD BOX

No. 132—Imperator, 10 single holes, 20 accurately tuned reeds mounted in brass plates, finely nickel plated, convex covers; length 4 in. ..... per dozen $7.70
ONE IN A TELESCOPE BOX. HALF DOZEN IN A CARTON

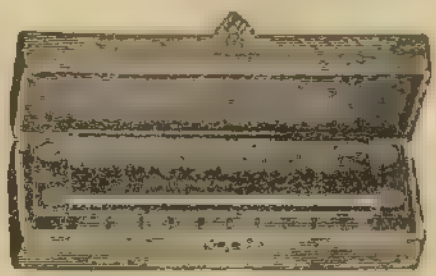
No. 1896—The Marine Band, 10 single holes, 20 reeds, brass plates, heavy nickel plated covers, convex shaped, open back, length 4 in. ..... per dozen $8.00
ONE IN A HINGED PASTEBOARD BOX



No. 153—New Echo, tremolo, length 4¼ in., 14 double holes, 28 reeds, brass plates, highly nickel plated covers with artistic design, turned in ends, per dozen $8 50
ONE IN A TELESCOPE BOX. HALF DOZEN IN A PACKAGE

A Very Fine Tremolo Instrument

No. 605—Echo, 16 double holes, 32 reeds, **Tremolo Tune;** brass plates, heavy nickel plated brass covers, convex shaped, open back, length 4 in. ..... per dozen $9.60
ONE IN AN ATTRACTIVE PASTEBOARD BOX WITH HINGED COVER. HALF DOZEN IN A CARTON



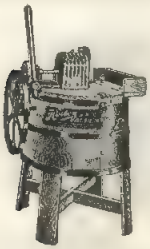
No. 1896½—The Up-to-Date, 10 double holes, 20 reeds, brass plates, nickel plated brass covers, convex shaped, concert size length 4½ in. ..... per dozen $11 50
ONE IN A LINED IMITATION LEATHERETTE CASE WITH SNAP LOCK

Tremolo Tune.

No. 284—Sportsman, 16 double holes, 32 reeds; brass plates, heavy nickel plated covers; extension ends; length 5¼ in. ..... per dozen $11.50
ONE IN AN ATTRACTIVE PASTEBOARD BOX WITH HINGED COVER. HALF DOZEN IN A CARTON.

WASHING MACHINES

VACUUM HAND OR POWER



Agitator makes 2½ strokes to each operation of lever Mechanism disconnected when lid is open. The many perforations or air valves cause so much agitation clothes are cleaned in less time than other vacuum machines. Gears covered. Can be converted to belt driven power by using pulley instead of fly wheel. Size pulley 8x1¾ in. Speed, 240 R.P.M.

No.	Size tub	Height crated	Ship. wt. each	Each
35	....20½x22½x12 in.	. 36 in	....95 lbs.....	$36.80

Note No 35 will be shipped for hand power only unless otherwise ordered.

One in a crate

MIRACLE HIGH SPEED HAND DOLLY PATTERN

Louisiana red cypress tub. Lever operated. Cut gears. Metal cap over end of post prevents injury to clothes. Legs are extensions of staves.

No.	Size tub	Height crated	Ship. wt. each	Each
22	20⅜x22½x12 in	.....31½ in.....	.106 lbs	$34 00

One in a crate.

MIRACLE HIGH SPEED POWER

No. 22P is a No. 22 Miracle machine with pulley for belt drive instead of fly wheel. Size pulley, 8x1¾ in. Speed, 245 R.P.M.

No.	Size tub	Height crated	Ship. wt. each	Each
22P	.. 20¾x22½x12 in	.....31½ in.....	.89 lbs ..	...$33.30

One in a crate

PEERLESS WATER MOTOR

Tub of Louisiana red cypress. Dasher post guarded with cap, preventing injury to clothes. Stave leg type. Motor with one automatic sliding valve and will operate as low as 20 lbs. pressure and stand a strain of 100 lbs.

No.	Size tub	Height crated	Ship. wt. each	Each
III	.30½x28½x13½ in.	.... 31½ in.....	.70 lbs.....	$39.00

One in a crate

VACUUM WASHERS

HAND

Heavy tin. Raising and lowering the washer, the water and soap are forced through the clothes. This avoids rubbing or injuring the finest fabrics. A hardwood handle 36 inches long is furnished with each washer

No.	Size cone	Ship. wt. doz.	Per doz.
21	..... .7½x8 in.	.....26 lbs	..$15.00

One dozen in a carton, with handles.

Extra handles . Per doz. .. . $3.60

WASHING MACHINE DRAINERS

HOUSEHOLD WATER PRESSURE

PENBERTHY

Designed to transfer water or other liquids from washing machines, wash tubs, cellar pits or any place where there is an accumulation, by means of ordinary water pressure. No electrical, steam or other operative power required.

It takes the maximum amount of water from the tub with the minimum amount of water operating the ejector. It is handy to have around the house, saving much back-straining and lifting. Made of cast aluminum, white enameled.

The average washing machine holding 8 gallons of water with a water pressure of 20 lbs. can be emptied in about 1¾ minutes; with a water pressure of 30 lbs., about 1¼ minutes. The capacity of this drainer, gallons per minute lifting water 2 feet at a pressure of 40 lbs., is 7¼ gallons and a pressure of 50 lbs. is 8 gallons.

No.	Length	Ship. wt. each	Each
6	7 in.	¾ lb	$4.50

Six in a display carton.

ADAPTERS

PENBERTHY

To convert ⅜, ½ and ⅝ or ¾-inch plain bibbs into a standard threaded ¾-inch bibb. Used also in connection with the Penberthy Household Ejector, to connect the part "A" to a plain bibb.

	Ship. wt. each	Each
Adapter	½ lb.	$0.70

One in a carton

TUB STANDS

Light, strong steel, take less room than benches. Aluminum finish. 4 feet on casters.

No.	Size	Wt. per pair	Per pair
28	18x16½ in.	28 lbs	$14 00

One pair in a crate

WASHING MACHINE ELECTRIC MOTORS

General Electric Co. Make

For No. 32 Horton Washing Machine. Motor ⅛ horse power, 50-60 cycles, volts 110 A. C.

No.	Height Case	Shaft	Ship. wt. each	Each
32M	5½ in.	4½x5 in.	½x8 in.	16 lbs.	$50.00

One in a carton.

WATER MOTORS

HORTON PEERLESS

With Inlet and Outlet Hose

Cast iron case with brass automatic sliding valve. Connects direct to faucet and will operate successfully on as low a pressure as 20 pounds.

Not dependent on springs to operate, but uses an encased brass spring as a cushion to relieve any jar at end of stroke, and to reverse. Can be attached to any rotary washing machine, or used for operating other small machinery.

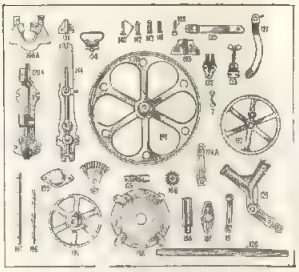
No. 30HD complete with 2 3-foot lengths hose and dasher; No. 30H complete with 2—3-foot lengths hose only.

No.	Length motor	Ship. wt. each	Each
30HD	17 in.	20 lbs.	$27 20
30H	17 in	22½ lbs.	25 60

Six in a case.

REPAIRS FOR WASHING MACHINES

FOR NEW MIRACLE WASHER NO. 22



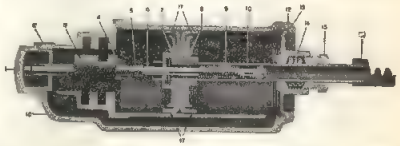
NO. 22 AND 22P

No.	Name	Wt each	Each
7	Spout	⅞ lb	$0 15
* 19	Lid lift	⅛ lb	.15
* 65	Plug	⅛ lb	10
*120A	Top frame	6⅝ lbs	1.25
*124	Rocker arm	1⅛ lbs	.30
*125	Connecting rod	1⅜ lbs	.50
*127	Pitman	⅛ lb	.40
*128	Lever	⅛ lb	25
*129	Lever casting	4 lbs	85
*131	Lid rest	⅛ lb	25
*132	Lock casting	¼ lb	15
*133	Lock casting bolt	⅜ lb	25
*140	Large gear stud	1/16 lb	15
*141	Connecting rod pin	⅛ lb	15
*142	Upper pitman bolt	⅛ lb	15
*143	Lower pitman bolt	⅛ lb	15
*144	Side frame	6 lbs	1 60
*166A	Gear cover	⅛ lb	40
167	Segment gear	1/10 lbs	40
*168	Bevel pinion	⅛ lb	40
186	Galvanized post	¾ lb	40
*187	Galvanized plate	⅛ lb	15
190	Pulley wheel	5 lbs	2 00
191	Fly wheel	12⅛ lbs	2 00
192	Large cut gear wheel	3¾ lbs	1 00
*193	Thumb screw	1/16 lb	15
*194	Tub handles, pair	⅛ lb	40
*195	Hinges, pair	⅝ lb	40
*196	Dasher shaft	⅜ lb	25
*197	Frame shaft	⅛ lb	.25
198	Dasher	2⅜ lbs	50
*199	Galvanized cup	⅛ lb	25

All parts can be sent by parcel post

Fly wheel No. 191 should go by express.

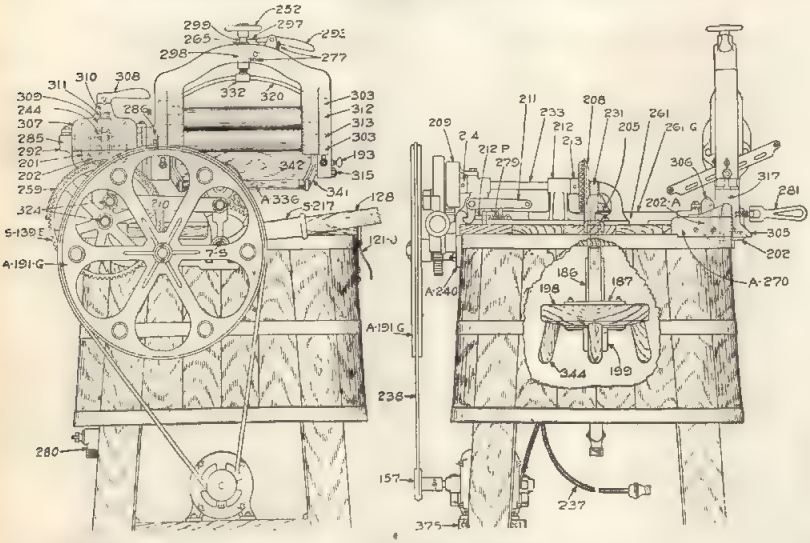
FOR PEERLESS WATER MOTOR WASHER NO. 30



No	Name	Wt each	Each
* 1	Valve plug	¼ lb	$0.60
* 2	Vellumoid gasket	1/16 lb	05
* 3	Valve	¼ lb	1 30
* 4	Valve nut	1/16 lb	20
5	Short spring	1/16 lb	.10
* 6	Valve stem	⅛ lb	.15
* 7	Female flange	¼ lb	.25
* 8	Male flange	¼ lb	.25
* 9	Spout	1/16 lb	.15
* 10	Piston tubing	¼ lb	.20
11	Long spring	⅛ lb	.20
* 12	Vellumoid head gasket	1/16 lb	.05
* 13	Cylinder head with gland nut	¾ lb	1.20
* 14	Piston packing	1/16 lb	.05
* 15	Gland nut	⅛ lb	.15
* 16	Geared rack	⅛ lb	.60
* 17	One set leather cups	1/16 lb	.60
* 18	Cylinder with valve and plug	5 lbs	6.20
* 19	Lid lift	⅛ lb	.15
* 20	Motor base with roller	5¼ lbs	1.20
* 21	Gear cover	1½ lbs	.35
* 22	Gear	⅛ lb	.25
23	Roller (not shown)	⅛ lb	15
* 24	Inlet hose with connections	1⅛ lbs	1 20
* 24W	Hose washer		10
* 25	Outlet hose with connections	1 lb	80
* 27	Outlet hose weight	1 lb	.15
* 30S	Dasher shaft	⅛ lb	.25
* 65	Plug	1/16 lb	.10
*182	Lock casting	¼ lb	.15
*183	Lock casting and bolt	¼ lb	.25
186	Galvanized post	¾ lb	.40
*187	Galvanized plate	⅛ lb	.15
*194	Tub handles (per pair)	¼ lb	.40
*195	Hinges (per pair)	⅛ lb	.40
198	Dasher	2⅜ lbs	.50
*199	Galvanized cup	⅛ lb	*25

REPAIRS FOR ELECTRIC WASHING MACHINES

FOR HORTON NO. 32 MODEL B WITH SERIAL NOS. 55132 TO 60589, INC.

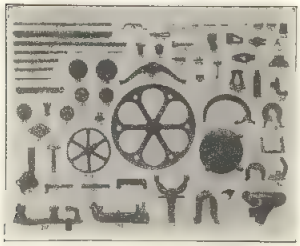


No.	Description	Each
7S	Spring ring	$0.05
21B	Lid rest	.25
121J	Lid lock	30
128	Wood lever	25
S139E	Gear wheel and stud	1.00
153	Caster (per set)	1.00
157	Motor pulley	.60
186	Post for dasher	.30
187	Plate for dasher	.15
188	Pinion for fly wheel	.30
A191G	Fly wheel with pinion	3.00
193	Thumb screw	.10
195	Lid hinge (per set)	.30
198	Dasher body with pegs	.40
199	Cup for dasher	.25
201	Bevel gear	75
202	Bevel gear	.75
202A	Bevel gear ¾-inch bore	.75
205	Bevel pinion	30
208	Guard for bevel gear	30
209	Guard for spur gear	.25
210	Connecting arm	.40
A211	Lock lever	.30
212	Top frame	1.25
212P	Lock lever plunger	.10
213	Bevel gear	.40
214	Spur gear	.40
S217	Lever bracket and stud	85
231	Shaft for dasher	.20
233	Shaft for top frame	.20
237	Motor cord	1.50
238	Leather belt	1.25
A240	Side frame and studs	1.50
244	Clutch	.40
252	Hand wheel	.15
259	Guard for gear wheel	40
261	Shaft for wringer drive	50
261G	Guard for wringer drive shaft	10
265	Thrust washer for tension shaft	10

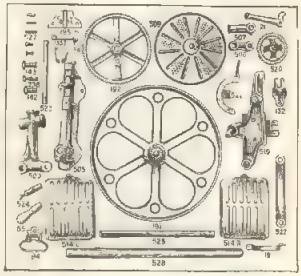
No.	Description	Each
A270	Splash board and flange	$0.40
277	Spring for wringer safety release	.05
279	Spring for lock lever plunger	.10
280	Drain faucet	1.25
281	Lock lever for wringer	.20
285	Clutch shaft	.20
286	Coupling for clutch shaft	.40
291	Wringer frame	4.00
292	Gear box and wringer support	2.50
298	Safety release lever	.15
297	Safety dog	15
298	Tension shaft	25
299	Spacer for tension shaft	.30
302	Bearing blocks for wringer	10
305	Supporting bracket for wringer	1.50
306	Guard for bevel gear	25
307	Cover for gear box	75
308	Clutch shifting handle	20
309	Clutch shifter	.20
310	Shaft for clutch shifter	.15
311	Spring for clutch shifter	.05
312	Upper wringer roll	3.75
313	Lower wringer roll	3.75
315	Tie rod	.20
317	Vertical shaft for wringer drive	20
320	Tension spring for wringer	.85
324	Spring ring	.05
332	Clamp and screw for tension spring	.30
A336	Roll for drain board	.10
341	End piece for drain board (2)	.40
342	Wood piece for drain board	.10
344	Dasher peg	05
375	Motor board	.50
	Drain board assembled (Nos. 336, 341, 342)	1.00
	Dasher assembled (Nos. 186, 187, 199, 198)	1.10
	Lid for tub	1.25
	Hinge board for tub	.40
	Brace board for tub	.40
	Hoop for tub (top, center, bottom)	.25

REPAIRS FOR WASHING MACHINES

FOR HORTON SWINGING WRINGER WASHERS NOS. 31 AND 32, OLD MODEL



FOR HORTON VACUUM WASHER NO. 35



NO. 31 AND OLD MODEL 32

No	Name	Wt each	Each
* 19	Lid lift	1/16 lb	$0 15
* 21B	Lid rest	3/16 lb	25
*128	Wood lever	1/2 lb	25
*132	Lock casting	1/4 lb	15
*133	Lock casting and bolt	3/16 lb	25
*139E	Large cut gear wheel	3 3/4 lbs	1 00
*153	Caster	1/16 lb	25
*157	Motor pulley	1/16 lb	70
186	Galvanized post	5/16 lb	40
*187	Galvanized plate	1/16 lb	15
*188	Fly wheel pinion	1/16 lb	.40
190	Pulley wheel	5 lbs	2.00
191G	Fly wheel, grooved	11 1/2 lbs	3.50
*195	Lid hinge, set	5/16 lb	.40
198	Dasher	2 3/16 lbs	.50
*199	Galvanized cup	1/8 lb	.25
*201	Gear case bevel gear	1 lb	1.25
*202	Same as No. 201, lower	1 lb	1 25
*205	Dasher bevel pinion	1/8 lb	40
*208	Dasher gear cover	3/4 lb	.40
*209	Top frame gear cover	1/2 lb	30
*210	Connecting rod	1/4 lb	50
*211	Lock lever	5/16 lb	40
*212	Top frame	6 1/2 lbs	1 25
*213	Dasher bevel gear	1 1/16 lbs	50
*214	Top frame cut gear	1 1/4 lbs	70
*217	Sector bracket	2 1/2 lbs	85
*281	Dasher shaft	5/16 lb	25
*283	Top frame shaft	1/8 lb	25
*286	Lock lever bolt	1/16 lb	15
*287	Motor cord	3/4 lb	2 00
*288	Leather belt	1/16 lb	1.60
*240	Side frame	5 7/8 lbs	1 25
*241	Bracket for wringer	5 7/8 lbs	1.60
*242	Gear cover	1/16 lb	.30
*243	Bevel gear bracket	5 3/8 lbs	2 00
*244	Clutch	5/16 lb	50
*245	Clutch shifter	3/16 lb	30
*246	Bracket clutch shifter	3/4 lb	25
*247	Stop	1/16 lb	.15
*248	Large gear	1 7/16 lbs	1.25
249	Small gear	1/8 lb	1 25
*250	Gear case	4 1/16 lbs	.85
*251	Top casting	3 1/4 lbs	1 25
*252	Hand wheel	1/32 lb	15
*253	Safety release lever	3/4 lb	30
*254	Reverse lever	1/16 lb	25
*255	Reverse lever bracket	1/8 lb	10
*256	Wringer lock casting	3/8 lb	30
*257	Wringer lock lever	1/4 lb	10
*258	Wringer lock lever bracket	1/16 lb	10
*259	Large gear cover	1 7/8 lbs	.40
*260	Brass bracket for No. 253	1/16 lb	25
*261	Wringer drive shaft	.3 lbs	50
*262	Vertical bevel gear shaft	3/4 lb	30
*263	Reverse bar	1/32 lb	15
*264	Tension shaft	1/16 lb	50
*265	Tension shaft collar	1/16 lb	10
*266	Safety dog	1/4 lb	50
*267	Lock plunger	1/4 lb	.15
*268	Lock plunger rod	1/8 lb	.10
*269	Clutch key	1/16 lb	.10
*270	Drain board flange	1 1/4 lbs	.15
*271	Wringer board flange	1/16 lb	.10
*272	Pitman bolt	1/16 lb	.15
*273	Tension shaft bushing	1/16 lb	10
*274	Clutch lever plunger	1/16 lb	10
*275	Safety trigger springs		.10
*276	Wringer lock springs		15
*277	Clutch lever springs		05
*278	Trigger dog springs		10
*279	Lock lever springs		10
*280	Drain faucet	1 lb	1 25

FOR NO. 35 WASHER

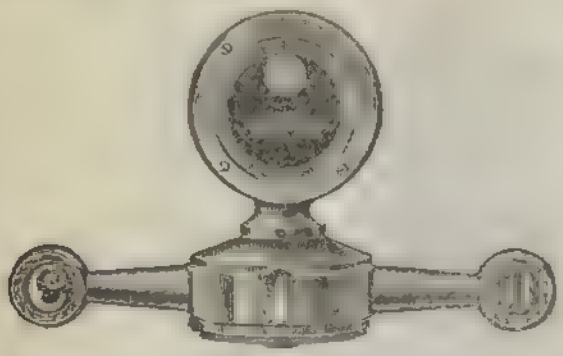
No	Name	Wt each	Each
7	Spout	1/16 lb	$0 15
* 19	Lid handle	1/16 lb	15
* 65	Plug	1/32 lb	.10
*132	Lock casting	1/4 lb	.15
*133	Lock casting and bolt	3/16 lb	25
*142	Pitman bolt	1/16 lb	15
*143	Pitman bolt	1/16 lb	15
190	8-inch power pulley	5 lbs	2 00
191	Fly wheel	12 1/2 lbs	2.00
192	Large gear wheel	3 3/8 lbs	1 00
*194	Tub handles, pair	1/16 lb	40
*195	Lid hinges, pair	1/16 lb	.25
*211	Lock lever	5/16 lb	.40
*286	Lock lever bolt	1/16 lb	15
*500	Handle bracket	2 1/16 lbs	85
*505	Top frame	6 5/16 lbs	1 60
*506	Plunger crank	1/8 lb	50
*507	Plunger shaft brackets	1/16 lb	50
*509	Plunger	3 1/2 lbs	1 60
*514R	Plunger bracket cover	2 5/16 lbs	85
*514L	Plunger bracket cover	2 5/16 lbs	85
*519	Side frame	5 5/16 lbs	1 60
*520	Top frame gear	1 1/16 lbs	85
*521	Top frame gear cover	3/4 lb	30
*522	Pitman	1/8 lb	.40
*523	Frame shaft	5/16 lb	.30
*524	Ball shaft	1/16 lb	.30
*525	Plunger shaft	1 1/16 lbs	.85
*527	Lock lever spring	1/16 lb	15
*528	Wood lever	3/4 lb	25

*Factory shipment only

RADIATOR CAPS

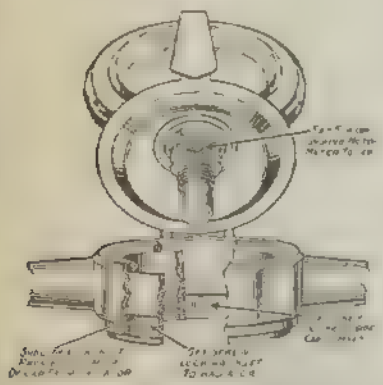
SCHLAICH

Protects Your Boyce Moto-Meter the Most Necessary Instruments On Your Car, Against Theft and Breakage. Moreover It Adds a Finishing Touch of Refinement and Elegance.



(Moto-Meter is Not Included)

The Usefulness and Appearance of the Schlaich Cap Lock is Unsurpassed. The Parts Made of the Best Material Insure Steam and Water Tight and Guaranteed Not to Pit. Perfectly Sealing the Radiator Without Gaskets, Thereby Eliminating All Possibility of Breakage. Caps to Fit All Makes of Cars with Special Inset for Different Necks. When Ordering, Specify Make or Model of Car.



DIRECTIONS FOR INSTALLING THE SCHLAICH CAP LOCK

Due to the Simplicity, the Schlaich Cap Lock Can be Installed in a Very Few Moments, But Can be Removed Only by the Owner.

The Inset is Locked to the Radiator with the Special Cap When Turned in a Normal Direction. This Special Method Is Theft Proof. This Lock is Made in Three Sizes to Fit Most of the Modern Cars. Special Cross Heads are Furnished to Fit Locks, Inset Neck, and this is the Only Necessary Device to Carry a Complete Line of Caps for Different Makes of Cars.

SPECIFICATIONS AND CAR MODELS

No. SB400—Fits All Ford Cars — Each $6.00 4.00

No. SA7—Fits the Following Cars:

		Each
American Beauty, 6	Cunningham, V-8	
Anderson, 30	Kissel, Early	
Crawford, 1916 to 21	Stanwood Six	9.00 6.00

No. SA9—Fits the Following Cars:

Case, 1918 to 21.	Kline	Pan-American, '16-'19	9.00 6.00

No. SA10—Fits the Following Cars:

Chevrolet Early Models	Reo	9.00 6.00

No. SA11—Fits the Following Car

Chevrolet, 490.	9.00 6.00

No. SA12—Fits the Following Cars:

Briscoe	Ford	Hupmobile, '18 to '23
		9.00 6.00

No. SA22—Fits the Following Car:

Dixie-Flyer	9.00 6.00

No. SA25—Fits the Following Cars:

American Motors	Jordan, 1922-23	9.00 6.00

No. SB1—Fits the Following Cars:

Ace	Mormon, '16-19	Saxon Duplex	
Anderson, 40	Nash	Seneca, 1916-22	
Biddle 22	Nash, 1921-23	Stearns Four 1921	
Durant Four	Oakland, 1917-23	9.00	6.00

No. SB2—Fits the Following Cars:

Auto Monocar 1920-23	Cleveland	King, 1919-23
	Cole, 1916	Pilot
Marmon, Model 17	Dodge	Regal, Model 11
Winther	Studebaker	Seneca, 1922-23
		9.00 6.00

No. SB3—Fits the Following Cars:

Abbott-Detroit, 6-24, 1916	Gardner	Mailbohm
Cadillac	Grant	Mercer
Chalmers	Handley-Knight, 1921	Moline-Knight
Chevrolet, V Model Four		Moon, Early Models
	Hudson	Patterson, 1921
Cole, Four 42,	Jewett, 1921	Peerless, 1921
Commonwealth	Krit 42-50	R. & V. Knight, 1921
Elkhart, Early Models	LaFayette	Sheridan
Fort	Lexington Model 6T	Wills-Sainte-Claire
Durant Six	Lincoln	Yellow Cab and Diamond-T Trucks
Essex		9.00 6.00

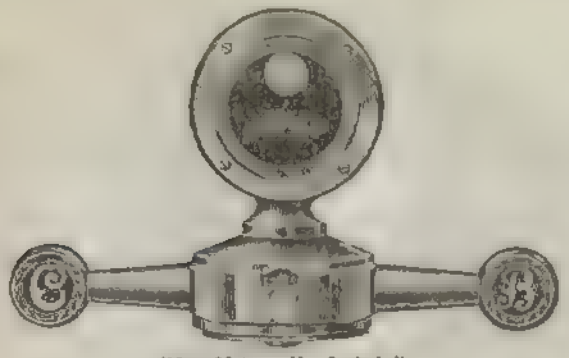
All Above, One in a Carton

SPECIAL MONOGRAMS AND FRATERNAL EMBLEMS

Letters or Emblems Will be Furnished by the Factory Free of Charge on Receipt of Return Post Card Which is Included in Every Package.

RADIATOR CAPS

SCHLAICH



(Moto-Meter is Not Included)

SPECIFICATIONS AND CAR MODELS

Each

No. SB4—Fits the Following Cars.

Abbott-Detroit, Early
Apperson, 1917, Earlier
Case, 1916-1917
Chalmers 1911, Earlier
Crawford
Davis, 1920, Earlier
H. C. S.
Haynes
Imperial
Interstate
Jordan, 1918-21
King, 1918
Lexington, 1921
Liberty
Mitchell
Monroe, 1921
Moon L-40
National, 1917 and Earlier
Oldsmobile
Pathfinder
Pierce-Arrow
Revere
Saxon Six
Scripps-Booth, 1919-1921
Standard 8, 1920 and Earlier
Stearns-Knight
Stutz, 1917 and Earlier
Templar, 1921 and Earlier
Wescott
White
Winton Six

$9.00 6.00

No. SB5—Fits the Following Cars.

Allen Model 43 1919 and Earlier
Brewster
Chandler
Cole
Crane Simplex
Daniels, 1921-23
Davis, 1921
Detroiter
Elgin Six
Jeffery
Jewett
Leach
McFarlan Six
Owen Magnetic
Paige
Pan American, '20-21
Pierce-Arrow, Early
Standard 8, 1921
Stearns-Knight Four 1917-1918
Stevens-Duryea, Early Models

9.00 6.00

No. SB6—Fits the Following Cars.

Bay State
Hupmobile, 1917 and Earlier
Marmon, 1921 and Earlier
Stanley
Stearns-Knight, 1919 to 1921
Templar, 1922-23

9.00 6.00

No. SB8—Fits the Following Cars

Auburn Beauty Six
Crow-Elkhart
Elcar
Elgin Capable
Marmon, 1921-24
Premo

9.00 6.00

No. SB13—Fits the Following Cars:

Buick, 1917 and Early
DuPont

9.00 6.00

No. SB17—Fits the Following Cars:

Ambassador
Roamer

9.00 6.00

No. SB18—Fits the Following Cars:

Duesenberg
Maxwell
Rickenbacker
Willys-Knight, 1923

9.00 6.00

SPECIFICATIONS AND CAR MODELS

Each

No. SB21—Fits the Following Cars:

Biddle
Cunningham
Stevens-Duryea (E)

$9.00 6.00

No. SB22—Fits the Following Car:

Waltham Six

9.00 6.00

No. SB26—Fits the Following Car:

Willys-Knight, Early 1922

9.00 6.00

No. SB28—Fits the Following Cars:

Kissel, Silver Special
Lexington Model, T. T. C.

9.00 6.00

No. SC14—Fits the Following Car:

Stutz, 1918-1923

9.00 6.00

No. SC15—Fits the Following Car:

Premier, 1917-1923

9.00 6.00

No. SC16—Fits the Following Cars:

Apperson, 1918-1923
Kissel, Custom Built
National, 1918-1923

9.00 6.00

No. SC18—Fits the Following Car:

Locomobile

9.00 6.00

No. SC20—Fits the Following Cars:

Case, 1916-1917
Premier, 1912-1916
Velie 58, 1923

9.00 6.00

No. SC27—Fits the Following Cars:

Dorris
Liberty, 10A, 10B, and 10C

9.00 6.00

No. SC29—Fits the Following Car:

Comet

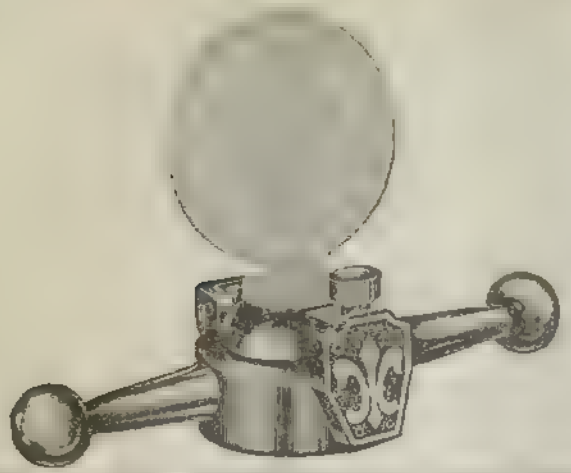
9.00 6.00

When Ordering in Lots of 50 or More, We Can Furnish an Attractive Metal Display Stand Free of Charge.

THE MERCHANT USING OUR MAIL ORDER SERVICE ACCOMPLISHES MANY TURNS OF STOCK, BECAUSE HE CARRIES A SMALL STOCK OF MANY ITEMS, RATHER THAN A LARGE STOCK OF A FEW ITEMS.

CUSTOMERS APPRECIATE AND ENJOY BUYING AT THE STORE THAT IS ABLE TO GIVE THEM WHAT THEY WANT. MAIL ORDERS ARE A GUARANTEE OF HAVING THE GOODS.

RADIATOR CAPS
KEYSTONE KEYLESS



The Keystone Keyless Initial Radiator Cap is a Worthy Addition to Any Automobile. It Permits of Easy Filling of the Radiator, is Steam and Water Tight, and is a Positive Moto-Meter Lock. There are No Keys to Lose; No Tools to Use; No Turning. It is Easy to Attach. The Graceful Design of the Cap, Together with the Initial or Emblem Plates, Improves the Appearance of Any Car. The Material and Workmanship are of First Quality; All Parts are Rust-proof.

Convenient to Fill

To Fill Radiator, Release Thumb Screw and Raise Cover of Cap; Not Necessary to Unscrew or Turn Cap to Fill Radiator.

Moto-Meter is Made Theft Proof

By Means of Special Slotted Disc Expanded Into Moto-Meter Stem Which is Put on Over Moto-Meter Stem as You Would Any Ordinary Washer.

Keystone Initial Plates

Keystone Initial or Emblem Plates are Furnished with Each Cap. A Certificate is Supplied with Each Cap Which Purchaser May Redeem with Manufacturer for Any Emblem or Initial Desired.

SPECIFICATIONS AND CAR MODELS

Each

No. A—Fits the Following Cars:

Cadillac	Gardner	Lincoln
Chalmers, '22, 23	Grant	Mercer
Chevrolet, All, Except 490	Handley-Knight	Moline-Knight, '21
Columbia	Hudson	Patterson
Commonwealth	Jackson	Peerless, '22, Earlier.
Dort	LaFayette	Regal, L.T., N.D.
Durant Six	Lexington, 6-T	R. & V. Knight
Essex	Lexington, '22, Except T.T.C.	Sheridan
		Wills-Sainte-Claire

$8 00 6.00

No. B—Fits the Following Cars:

Apperson, '17, Earlier	Lexington, Lark	Pathfinder, 1921
Case, 1916-15	S & T	Pierce-Arrow, 1917-22
Chalmers, '21, Earlier	Liberty, 1922	Reo
Crawford '22	Lorraine	Saxon Six
Davis, '20 Earlier	Merit	Scripps-Booth, 19-22
Esher	Mitchell	Star Six, 22-23
Haynes	Moon,	Stephens, '22-23
Imperial	Nash, 6-40 & 48	Westcott
Interstate	National, '17, Ear.	White
Jordan, 1918-22	Oldsmobile	Winton
King, '18		

8 00 6.00

No. C—Fits the Following Cars:

Allen, Model 43	Elgin, 1919-23	Paige
Chandler, '21, Earlier	Henderson	Scripps-Booth, to '19
Cole	Jeffrey	Standard 8
Daniels, A,B,C,D	Jewett	Stearns-Knight, 1918-19
Detroiter	McFarlan, '21, Ear.	Stevens-Duryea, to 21

8 00 6.00

✣No. D—Fits the Following Cars:

Marmon, '20, Ear.	Regal, Model E	Stanley

8 00 6.00

✣No. E—Fits the Following Cars:

American Beauty 6	Friend	Skelton, 35
Anderson, 30	Kissel, 100 Point 6	Stanwood Six
Crawford	Madison	Templar
Cunningham, V-4 '21 and Earlier.	Parenti Touring	Washington, A, B
	Sayers	

8 00 6.00

No. F—Fits the Following Cars:

Anderson, Model 17	Ferris	Seneca 1922-23
Cleveland	King 1919-23	Studebaker
Dodge	Regal, Model J	Winther, Model 61

8 00 6.00

No. G—Fits the Following Cars:

Ace	Durant Four	Saxon, 125G
Buick, 1918 and Later	Nash	Seneca
Cortland	Oakland, 1917-22	Stearns 4, 1921

8 00 6.00

✣No. H—Fits the Following Cars:

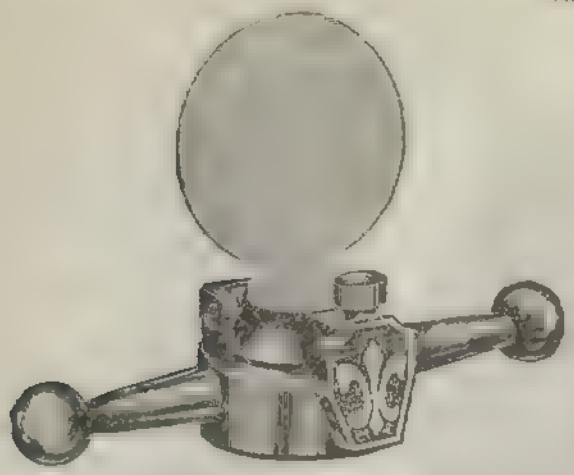
Auburn	Elgin Capable	Premo
Grant Six	Marmon, 1921-22	Texas
Davis, '21-22	McCarthy	Tulsa
Elmar	Pilot	Vogue

8 00 6.00

Items Marked ✣ Not Carried in Stock; Can Only Be Furnished By Shipping Direct From Factory, Chicago, Ill.

RADIATOR CAPS

KEYSTONE KEYLESS



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SPECIFICATIONS AND CAR MODELS

		Each
✣No. J—Fits the Following Car: Dorris	$8.00	6.00
No. K—Fits the Following Cars: Chevrolet, 1917 and Earlier; Reo	8.00	6.00
No. L—Fits the Following Cars: Briscoe; Earl; Hupmobile, 1918-22	8.00	6.00
✣No. M—Fits the Following Cars: Buick, 1917 and Earlier; DuPont	8.00	6.00
✣No. P—Fits the Following Cars: Apperson, 1918-22; Kissel, All Models, 1922; National, 1918-21	8.00	6.00
✣No. Q—Fits the Following Cars: Case, 1919-[illegible]; Premier, 1912-16	8.00	6.00
✣No. R—Fits the Following Car: Case, 1918 and Later	8.00	6.00

SPECIFICATIONS AND CAR MODELS

		Each
✣No. S—Fits the Following Cars: Cunningham, V-4-2; Owen Magnetic; Stevens-Duryea, Model E	$8.00	6.00
✣No. T—Fits the Following Cars: Lexington Model LTC; Kissel, Silver Special	8.00	6.00
✣No. U—Fits the Following Car: Ogren	8.00	6.00
✣No. V—Fits the Following Cars: Oakland, 1916; Willys-Knight; Earl, 1922 and Earlier (Briscoe)	8.00	6.00
✣No. W—Fits the Following Cars: [illegible]; Roamer	8.00	6.00
✣No. X—Fits the Following Car: Premier, 1917-21	8.00	6.00
✣No. Y—Fits the Following Car: Dixie Flyer	8.00	6.00
No. Z—Fits the Following Car: Jordan, MX, 1922	8.00	6.00
✣No. AA—Fits the Following Car: Stutz, 1918-22	8.00	6.00
✣No. BB—Fits the Following Car: Locomobile	8.00	6.00
No. CC—Fits the Following Car: Chevrolet, 490	8.00	6.00
No. DD—Fits the Following Cars: Duesenberg; Maxwell; Rickenbacker; Willys-Knight, Late 1922	8.00	6.00
No. EE—Fits the Following Car: Velie, 1917-22	8.00	6.00
No. GG—Fits the Following Cars: Moon 6-88, 1922	8.00	6.00
No. HH—Fits the Following Cars: McFarlan, Late 1921-23; Stevens-Duryea, Late 1921-23	8.00	6.00
No. JJ—Fits the Following Car: Cunningham, 1922-23	8.00	6.00
No. KK—Fits the Following Car: Crawford, 1922	8.00	6.00

Items Marked ✣ Not Carried in Stock, Can Only be Furnished by Shipping Direct From Factory, Chicago, Ill.

RADIATOR CAPS

Ball Tip; Made of Bronze; Nickel Plated; Length 8½ inches

	Each
No. B1	$3.00
No. B3	1.50
‡No. B5	
No. B6	
No. B7	
No. B8	
No. B11	3.00
No. B13	
‡No. B14	
‡No. B15	
No. B16	
No. B17	
‡No. B18	
‡No. B19	
‡No. B20	3.50
‡No. B21	
‡No. B22	
‡No. B23	
‡No. B24	3.00
‡No. B26	
‡No. B27	
‡No. B28	3 50
‡No. B29	

One in a Box; Weight 1½ lbs.

Made from a Dense Black Material, Burnished to a High Polish; Brass Lined.

	Per Dozen
No. C 1—Female Type; 2" Out. Diam., No. 18 Thread	$9 00
No. C 2—Ford Only—Male Type; 2" Out. Diam., No. 18 Thread.	6 00
No. C 3—Female Type; 1¾" Out. Diam., No. 16 Thread.	7 00
No. C 4—Female Type; 2⅛" Out. Diam., No. 16 Thread	12 00
No. C 6—Male Type; 2⅛" Out. Diam., No. 14 Thread	12 00
No. C 7—Male Type; 2⅛" Out. Diam., No. 16 Thread	12 00
No. C 8—Female Type; 2¼" Out Diam., No. 16 Thread	13 00
No. C 9—Female Type; 2" Out Diam., No. 18 Thread	13 00
No. C10—Male Type; 2⅛" Out. Diam., No. 16 Thread	13 00
No. C11—Female Type; 2⅜" Out. Diam., No. 16 Thread	9 00
No. C12—Female Type; 2⅜" Out. Diam., No. 16 Thread.	10 80
No. C13—Female Type; 2¼" Out. Diam., No. 16 Thread.	16 00
No. C14—Male Type; 1⅛" Out .Diam., No. 16 Thread.	14 40
No. C15—Female Type; 2" Out. Diam., No. 16 Thread	12 00
No. C16—Male Type; 2⅛" Out. Diam., No. 16 Thread	14 00
No. C17—Female Type; 1⅞" Out. Diam., No. 16 Thread	14 00
No. C18	13 00

One in a Box; Weight ½ lb.

CAR LISTS

For Plain and Bar Type Caps

	Bar Type	Plain
Abbott-Detroit, 1917-18	B1	C1
Allen, 1920	B1, B8	C8
Allen, 1921	B7	C1
American	B22	C4
American, 1921	B5	C6
Anderson, 1921	B7	
Apperson, 1919 and Earlier	B18	C20
Auburn	B22	C4
Austin	B7	C7
Buick	B14	..
Bush Davis	B7	
Buick, 1921	B19	C17
Buick	B14	C12
Cadillac	B7	C1
Case	Special	C7
Chalmers	B7	C16
Chandler	B6	C6
Chevrolet, Little Six	B14	
Chevrolet, 490	B8	C8
Chevrolet, Baby Grand	B8, B22	..
Chevrolet, Royal Mail	B8, B22	..
Chevrolet, F. B	B8	C8
Cleveland	B11	C21
Cole, Model 870	B6	C6
Columbia	B8	C18
Commonwealth	B6	C8
Courtland	B11	C4
Crow	B22	..
Crow, Simplex	B6	C6
Crawford	B6	C7
Crow Elkhart	B11	C4
Cunningham	B6	C15
Daniels	B7	C6
Davis, 1920 and Earlier	B7	C7
Davis, 1921	B7	C8
Denby	B14	
Detroiter	B7	C6
Diamond T Truck	B8	C18
Dixie Flyer	B7	
Dodge	B14	C1
Dort	B8	C18
DuPont, 1921	B7	C12
Durant	B22	C21
Durant Four	B11	
Durant Six	B8	
Elcar, 1921	B7	C4
Elgin	B6	C6
Empire	B14	C7
Essex	B8	C18
Fisher	B7	C7
Friend	B22	C
Gardner, 1921	B8	B8
Geronimo	B11	C4
Glide	B7	C4
Grant	B8	C18
Hanson, 1921	B14	C12
Harrold, 1921	B14	C8
Halliday, 1919	B7	
Haynes	B7	C7
Henderson	B7	C6
Hereshoff	B8	C18
Hollier	B8	C8
Hudson	B8	C18
Hupp, 1911-17	B7	C4
Hupp, 1918-21	B7	C17
Imperial	B7	C7
Interstate	B8	C7
Jackson	B8	C8
Jeffrey	B7	C6
Jeffrey Truck	B6	C6
Jordan	B7	C19
King, Early Mdls.	B6, B14, B22	
King, 1918-19	B7	C7
King, 1920-21	B7	C1
King Six	B8	C10
King Six, 1919-22	B18	
King Truck	B6	
King, 1921	B8	C7
Kissel	B1, B8	C1
Lafayette	B8	C13
Lexington '20 and Earlier	B7	C7
Lexington, 5-Pass., 1921	B7	C7
Lexington, 7-Pass., 1921	B8	
Liberty	B7	C7
Lincoln, 1921	B13	C13
Loraine, 1921	B8	
McFarlan	B8	C8
McFarlan	B6	C6
Marmon	B22	
Mais	B7	C7
Marmon	B27	B11 C12
Martin Carriage	B15	
Maxwell	B3	C3
Maxwell, 1917-21	B3	C15
Maxwell, 1922	Special	
Mercer	B8	C8
Michigan	B8	C18
Mitchell	B7	C7
Moline	B8	C8
Moline Plow Tractor	B14	
Monroe	B7	C7
Moon	B7	C7
Nash	B11	C11
National, Early Models	B7	
National, 1918 and Later	B18	C20
Norwalk, 1921	B14	C6
Oakland, Eight 6, 1916	B14	
Oakland, 1917-21	B14	C11
Oldsmobile, 1914	B14	
Oldsmobile, Models 42	B6	C7
Oldsmobile, Models 37-45	B7	C7
Owen Magnetic	B6	
Paige, 1918 and Earlier	B14	
Paige, 1919-1920	B6	C6
Paige, 1921	B12	
Paterson	B8	C7
Peerless	B8	C8
Pierce-Arrow	B6, B7	C7
Princess	B15	
Premier	B28	
Ralor, 1921	B14	C4
Pan American	B7	C7
Redbrook, 1921	B8	C18
Regal	B1, B7	C7
Reo	B17	C14
Revere		C7
Roamer	B14, B4	
Republic Truck	B8	C18
Ross Light	B7	C6
R. & V. Knight, 1921	B8	C18
Saxon Six	B7	C7
Saxon Duplex, 1921	B23	C11
Sayers, 1921	B7	C7
Scripps-Booth, 1918 and Earlier Models		C6
Scripps-Booth, 1921	B7	C7
Sheridan	B13	C18
Standard, 1920 and Earlier	B7	C7
Standard, 1921	B6	C6
Stanley, 1921	B27	
Star	B3	
Stearns-Knight Four '22	B6	C6
Stearns-Knight Four '21	B11	C12
Stearns-Knight Eight '21	B8	
States Motor	B15	
Stephens, 1921	B7	C7
Stevens-Duryea	B6	
Studebaker	B1	C9
Stutz, 1916-17	B7	C7
Stutz, Late Models	B21	
Sun	B22	
Templar, 1921	B7	C7
Texan	B11	C4
Tulsa	B11	C4
Velie, 1914-15	B1	
Velie, 1916-21	B20	C20
Vim Commercial	B1	C15
Westcott	B7	C7
Willys-Knight, 1921	B20	
Willys-Knight, 1922	B1	
White	B7	C7
Winton	B7	C16

Items Marked ‡ Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory.

TOOL CABINETS

WITH 80 HIGH GRADE ARTICLES

Outside dimensions of cabinet, 32 inches high, 26 inches wide, and 10 inches deep

Cabinet strongly made of selected chestnut, finely varnished, with stained mouldings. Two panel doors, with brass cylinder lock with two steel keys. Brass plated steel hinges. Inside drawers. These cabinets may be fastened to the wall or placed on floor or bench and are easily portable. Each cabinet provided with tool holders to hold everything in place.

CONTENTS

No. 880 —Stiletto— Tool Cabinet

1 —Stiletto— panel saw, S7, 24-inch.
1 —Stiletto— nickel plated combination pliers, S100, 6-inch.
1 —Stiletto— carpenter pincers, 408, 8-inch.
1 —Stiletto— panel saw, S7, 22-inch.
1 —Stiletto— Adj. H. S. frame, S1.
6 Victor H. S. blades, 9-inch.
1 —Stiletto— compass saw, S15, 12-inch.
1 —Stiletto— nail hammer, S11½.
1 —Stiletto— tack hammer, 270.
1 —Stiletto— broad hatchet, SGB1.
1 —Stiletto— brace, SBC8.
7 —Stiletto— auger bits, Irwin pattern, 4/16, 5/16, 6/16, 8/16, 10/16, 12/16, 16/16.
1 —Stiletto— square, S14.
1 —Stiletto— expansion bit, S8.
6 —Stiletto— chisels, S54, ¼, ⅜, ½, ¾, 1, 1½-inch.
1 —Stiletto— gouge, 70, ¾-inch.
3 —Stiletto— screw drivers, 66, 3, 6, 8-inch.
1 Millers Falls awl and tools, MF4.
1 F. P. M. coping saw.
1 India mounted oil stone, No. 2 combination.
1 India oil slip.
1 —Stiletto— cabinet scraper, S24, 3x5.
1 P. S. & W. wing divider, 8-inch.
1 Stanley scratch awl, 1.
2 —Stiletto— slim tapers, 4½ and 6-inch, with handles.
1 —Stiletto— jack plane, S5.
1 —Stiletto— carpenters pencil, S700.
1 —Stiletto— mill file, 8-inch, with handle.
1 —Stiletto— draw knife, S50, 8-inch.
1 —Stiletto— block plane, S9½.
1 —Stiletto— nail set, S64, 4/32.
1 Standard gimlet, 853.
1 Ass skin measuring tape, 713, 50-ft.
1 —Stiletto— pocket snip, S35.
1 Buck Bros. screw driver bit, 205.
1 Rose counter sink bit, 6.
1 Standard reamer bit, 195.
1 Standard carpenters mallet, 1.
2 Standard gimlet bits, 2/32, 4/32.
1 Stanley marking gauge, 197.
5 Bit stock drills, 390, ⅛, 3/16, ¼, 5/16, ⅜-inch.
1 Stanley level, 00, 32-inch.
1 Boxwood rule, 68.
1 —Stiletto— try square, S10, 6-inch.
1 —Stiletto— T bevel, S2, 6-inch.
2 Carriage clamps, 14, 4-inch.
1 Zinc oiler, 3.
1 Gill Le Pages glue.
6 Sheets sand paper.
3 Softwood file handles, 7.

No. 880—Complete with 80 highest grade guaranteed tools and other accessory articles .. Each $231 00

Cabinets only, without tools 120.00

Weight of cabinet with tools, 70 lbs. Crated for shipment, 90 lbs

TOOL CABINETS

WITH 46 HIGH GRADE ARTICLES

Outside dimensions of cabinet, 30⅞ inches high, 24⅞ inches wide, 8⅞ inches deep.

Cabinet strongly made of selected chestnut, finely varnished, with stained mouldings. Two panel doors with brass cylinder lock and two steel keys. Brass plated steel hinges. Inside drawers. These cabinets may be fastened to wall or placed on floor of bench and are easily portable. Each cabinet provided with tool holders to hold everything in place.

CONTENTS

No. 852 —Stiletto— Tool Cabinet

1 —Stiletto— panel saw, S7, 22 inch
1 —Stiletto— nail hammer, S12.
2 —Stiletto— screw driver, 66, 4 and 6-inch.
1 —Stiletto— carpenter pincers, 408, 8-inch.
1 —Stiletto— carpenter pencil, 700
1 —Stiletto— compass saw, S15, 12-inch.
1 —Stiletto— shingling hatchet, SBS1.
1 —Stiletto— brace, S8
3 —Stiletto— auger bits, Irwin pattern, ¼, ⅜, ½.
3 —Stiletto— chisels, S54, ¼, ½, ¾-inch.
1 —Stiletto— combination nickel plated plier, S100, 6-inch
1 —Stiletto— square, S14.
1 —Stiletto— drawing knife, 50, 8-inch.
1 FPM coping saw
1 Millers Falls awl and tool, MF4.
1 India oil stone mounted, 2.
1 —Stiletto— cabinet scraper, S24, 3x5
1 P., S. & W. wing driver, 8-inch
1 Stanley scratch awl, 1.
1 Stanley brad awl, 3.
1 —Stiletto— snip, S7.
1 —Stiletto— mill file, 8-inch with handle.
1 —Stiletto— softwood file handle, 1
1 —Stiletto— H. S. frame with blade, S1.
1 —Stiletto— nail set, S63, 3/32.
1 —Stiletto— slim taper file, 6-inch with handle.
1 —Stiletto— block plane, S110
1 —Stiletto— jack plane, S26
1 Ass skin tape, 713, 50 feet
1 Bucks screw driver bit, 205
2 Standard gimlet bits, 4/32, 8/32
1 Rose countersink bit, 6.
1 Standard reamer bit, 195.
1 Stanley marking gauge, 197.
1 Standard carpenter mallet, 1.
1 Stanley level, 104, 16-inch.
1 Boxwood rule, 68.
1 —Stiletto— try-square, S10, 6-inch.
1 Zinc oiler, 2.
1 gill Le Pages glue
6 Sheets sand paper.

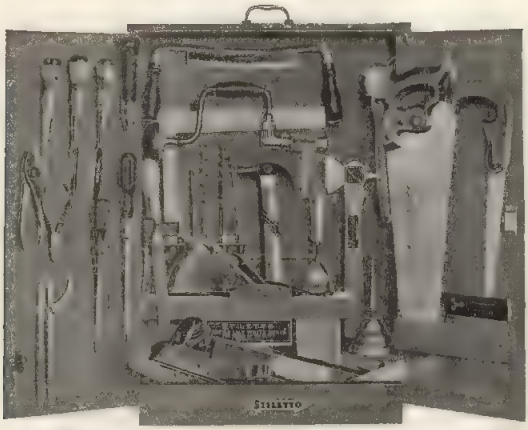
No. 852—Complete with 46 highest grade tools and other accessory articles ..... Each $110.00

Cabinet only, without tools. 50 00

Weight of cabinet with tools, 70 lbs. Crated for shipment, 90 lbs

TOOL CABINETS

WITH 32 HIGH GRADE ARTICLES



Outside dimensions of cabinet, 26¾ inches high, 19¾ inches wide, 8-7/8 inches deep

Cabinet strongly made of selected chestnut, finely varnished, with stained mouldings. Two paneled doors, with brass cylinder locks and two steel keys. Brass plated steel hinges. Inside drawers. Each cabinet provided with tool holders to keep everything in place. These cabinets may be fastened to wall or placed on floor or bench and are easily portable

CONTENTS

No. S36 —Stiletto— Tool Cabinet

1 —Stiletto— panel saw, S8P, 18-inch
2 —Stiletto— screw drivers, 66, 4 and 6-inch
1 —Stiletto— combination plier, nickel plated, S100, 6-inch.
1 —Stiletto— brace, S8.
1 —Stiletto— compass saw, S15, 12-inch
1 —Stiletto— nail hammer, S12.
1 —Stiletto— shingling hatchet, SBS1
3 —Stiletto— auger bits, Irwin pattern, ⅜, ½, ¾-inch.
1 —Stiletto— drawing knife, S50, 8-inch.
3 —Stiletto— bevel edge chisels, S54, ¼, ½, ¾ inch.
1 Millers Falls awl and tool, MF4.
1 India oil stone, combination, 2
1 —Stiletto— cabinet scraper, S24, 3x5.
1 P. S. & W wing divider, 8-inch.
1 No. 100 coping saw.
1 —Stiletto— mill file, 8-inch.
1 —Stiletto— slim taper file, 6-inch
1 —Stiletto— nail set, S64, 4/32.
1 —Stiletto— jack plane, S26
1 —Stiletto— block plane, S110.
1 Buck Bros. screw driver bit, 205.
1 Snells gimlet bit, 4/32.
1 Softwood file handle, No. 1
1 Stanley marking gauge, 65
1 Stanley level, 102.
1 Rule, 68.
1 Zinc oiler, 2
1 1-oz. Le Pages glue.

No. S36—Complete with 32 highest grade tools and other accessory articles . . . . . Each $84.00

Cabinet only, without tools 35 00

Weight of cabinet with tools, 58 lbs. Crated for shipment, 70 lbs

WITH 24 HIGH GRADE ARTICLES

Same style cabinet as No. S36

CONTENTS

No. 26 —Stiletto— Tool Cabinet

1 —Stiletto— panel saw, S8P, 18-inch
1 —Stiletto— mill bastard file, 8-inch
1 —Stiletto— nail hammer, S12
2 —Stiletto— auger bits, Irwin pattern, ⅜, ½-inch
1 —Stiletto— drawing knife, S50, 8-inch
2 —Stiletto— chisels, S54, ½, ¾-inch.
1 —Stiletto— screw driver, 66, 6-inch
1 —Stiletto— shingling hatchet, SBS1.
1 —Stiletto— brace, S8
1 Millers Falls awl and tool, MF4
1 Snell gimlet bit, 4/32.
1 Boxwood rule, 68.
1 —Stiletto— slim taper file, 6-inch.
1 —Stiletto— nail set, S64.
1 —Stiletto— plane, S24.
1 India oil stone, combination, 2
1 Stanley marking gauge, 62.
1 Stanley level, 102
1 —Stiletto— try square, S10, 6-inch
1 Softwood file handle, 1.
1 Zinc oiler, 2.
1 1-oz. can Le Pages glue.

No. S26—Complete with 24 highest grade tools and other accessory articles . . . . . Each $60.00

Cabinet only, without tools 18 00

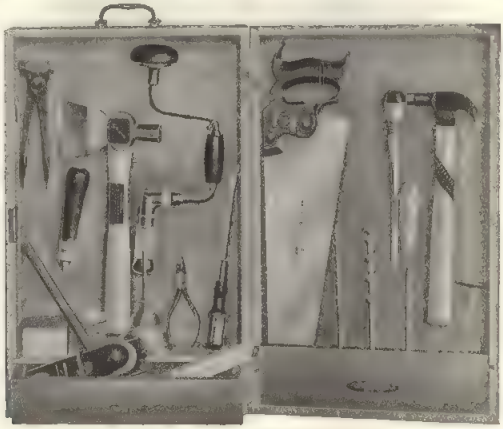
Weight of cabinet with tools, 38 lbs Weight of cabinet crated for shipment, 46 lbs

TOOL CABINETS

WITH 14 HIGHEST GRADE GUARANTEED TOOLS

Outside dimensions of cabinet, 22 inches high, 14 inches wide, 5½ inches deep.

Cabinet strongly made of selected chestnut, finely varnished, with stained mouldings. Brass cylinder lock with two brass keys. Brass plated steel hinges. Inside drawers. Each cabinet provided with tool holders to hold everything in place. Can be fastened on wall or placed on floor or bench and are easily portable.



CONTENTS

No. 814 —Stiletto— Tool Cabinet

1 —Stiletto— panel saw, S8P, 18-inch.
1 —Stiletto— slim taper file, 6-inch with handle.
1 —Stiletto— nail hammer, S12.
1 —Stiletto— shingling hatchet, SBS1.
1 —Stiletto— brace S8, 8-inch.
1 —Stiletto— auger bit, S8, ½-inch.
1 —Stiletto— auger bit, S12, ⅝-inch.
1 —Stiletto— chisel, No. 54, ½-inch.
1 —Stiletto— flat nose plier, No. S3200, 6-inch.
1 —Stiletto— carpenters pincer, No. 408, 8-inch.
1 —Stiletto— block plane, No. S110
1 —Stiletto— level, No. 102, 14-inch.
1 Millers Falls awl and tool, No. MF4.
1 Boxwood rule, No. 68.
1 Zinc oiler, No. 2.
3 Sheets sand paper
1 Package wire brads

19 articles.

No. 814—Complete with 14 highest grade tools and other accessory articles ..... Each $51.00
Cabinets only, without tools 14.00

Weight of cabinet with tools, 20 lbs. Crated, 28 lbs.

RIVAL

Above cabinet with the following tools.

No. R14 Rival Tool Cabinet

1 Cub panel saw, 300, 18-inch.
1 Hack saw frame, No. 50.
2 Hack saw blades, Star, 9-inch.
1 Cub shingling hatchet, No. CS1.
1 Cub nail hammer, C12.
1 Plain brace, No. 508, 8-inch.
1 Bates auger bit, 4/16-inch.
1 Bates auger bit, 6/16-inch.
1 Bates auger bit, 8/16-inch.
1 P. S. & W. chisel, No. 111, ½-inch.
1 P. S. & W. chisel, No. 111, 1-inch.
1 Awl and tool, 282.
1 Great Western mill file, 8-inch.
1 Great Western slim taper, 6-inch.
2 Soft wood file handles, 4 and 6-inch.
1 Leader screw driver, No. 80, 6-inch
1 P. S. & W. draw knife, No. 50, 8-inch
1 Stanley plane, No. 24.
1 Stanley level, 102, 14-inch.
1 Nail set, S64, 4/32
1 Unmounted oil stone, W6
1 Stanley marking gauge, 61.
1 Rule, 68.
1 —Stiletto— try square, No. S10, 6-inch.
1 Zinc oiler, No. 2.

27 articles.

No. R14 Rival Tool Cabinet—Complete with 26 tools and accessories. ..... Each $43.00
Cabinet only, without tools 14 00

Weight of cabinet with tools, 28 lbs. Weight of cabinet crated for shipment, 36 lbs.

TOOL CHESTS

WITH 23 HIGHEST GRADE GUARANTEED TOOLS

Outside dimensions of case—27½ inches long. 12 inches wide. 8 inches deep

Case is made of selected spruce, varnished and hand rubbed. Hinged lid. Brass plated steel hinges. Brass plated padlock with two brass keys.

CONTENTS

No. 825 —Stiletto— Tool Set

1 —Stiletto— panel saw, S8F, 20-inch.
2 —Stiletto— socket firmer chisels, S85, ⅜, 1-inch
1 —Stiletto— nail set, S64.
1 —Stiletto— mill file, 8-inch, with handle.
1 pr —Stiletto— combination pliers, nickel plated, S100, 6-inch.
1 —Stiletto— plane, S24.
1 —Stiletto— nail hammer, S12.
1 —Stiletto— screw driver, S66, 5-inch.
1 —Stiletto— brace, S8.
4 Bates auger bits, ¼, ⅜, ½, ⅝-inch.
1 Stanley scratch awl, No. 1.
1 —Stiletto— carpenter pencil, S700.
1 No. 100 coping saw.
1 Standard square, 10.
1 pr P. S. & W. wing dividers, 35, 6-inch.
1 Standard mallet, No. 1.
1 Stanley marking gauge, 61.
1 Stanley level, 102, 16-inch
1 Stanley rule, 68.
1 Zinc oiler, 00
1 1 oz. Le Pages glue.
25 articles.

No. 825 —Stiletto— complete with 25 high grade tools and other accessory articles . . . . . Per set $42.00
Chests only, without tools 9.50

Weight of case with tools, 25 lbs.

HOUSEHOLD TOOL CHESTS

CONTENTS

Packed in same chest as No. 825.

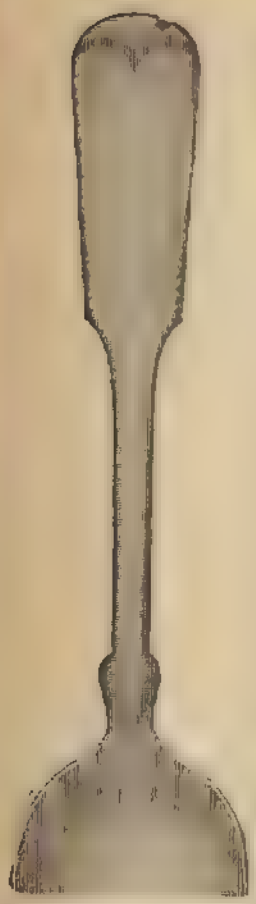
No. 820 —Stiletto— Household Tool Set

1 —Stiletto— panel saw, S7P, 22-inch.
1 —Stiletto— hatchet, SGC2.
1 —Stiletto— nail hammer, S12.
1 —Stiletto— screw driver, S66, 6-inch.
1 —Stiletto— brace, S8.
4 —Stiletto— auger bits, ¼, ⅜, ½, ¾-inch, Irwin pattern.
2 —Stiletto— cabinet chisels, S85, ½ and 1-inch.
1 —Stiletto— plane, S24.
1 —Stiletto— hack saw frame, S1, with extra blade.
1 Standard square, 439.
1 Boxwood rule, 68

No. 820 —Stiletto— Household Tool Chest—Complete with 15 high grade tools and other accessory articles . . . . Each $36.00
Chests only, without tools 9.50

Weight of chest with tools, 18 lbs

1847 ROGERS BROS. SILVERWARE



TIPPED
Bright Finish

LOUVAIN
Platinum Finish

HERALDIC
Hammered -Platinum Finish

OLD COLONY
French Gray Finish

CROMWELL
Bright Finish

XS Triple Plate.

	Teaspoons.	Dessert Spoons.	Tablespoons.	Spoon Handle Dessert Forks.	Spoon Handle Medium Forks.
Tipped ... per dozen	$ 8.80	$17.00	$17.60	$17.00	$17.60
Heraldic ... per dozen	8.80	17.00	17.60	17.00	17.60
Old Colony ... per dozen	8.80	17.00	17.60	17.00	17.60
Cromwell ... per dozen	8.80	17.00	17.60	17.00	17.60
Louvain ... per dozen	8.80	17.00	17.60	17.00	17.60

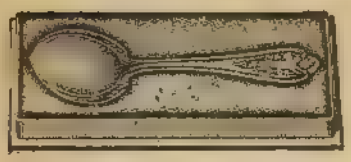
ONE DOZEN IN A BOX

ICED TEA SPOONS

Heraldic ... per dozen $12.80
Old Colony ... per dozen 12.80
Cromwell ... per dozen 12.80
Louvain ... per dozen 12.80

ONE DOZEN IN A BOX

1847 ROGERS BROS. SILVERWARE



SUGAR SHELLS

No. 9—Tipped, bright finish, per dozen $18.80
No. 20—Heraldic, per dozen $18.80
No. 12—Old Colony, per dozen $18.80
No. 13—Cromwell, per dozen $18.80
No. 14—Louvain, ..per dozen $18.80

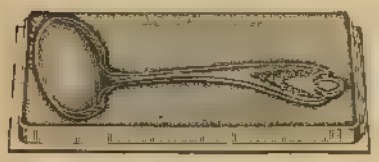
ONE IN A LINED BOX

CHEESE SERVERS

Hollow Handles.

Heraldic .....per dozen $37.60
Old Colony .....per dozen 37.60
Cromwell .....per dozen 37.60
Louvain .....per dozen 37.60

ONE IN A LINED BOX



CREAM LADLES

Heraldic .....per dozen $25.60
Old Colony .....per dozen 25.60
Cromwell .....per dozen 25.60
Louvain .....per dozen 25.60

ONE IN A LINED BOX

GRAVY LADLES

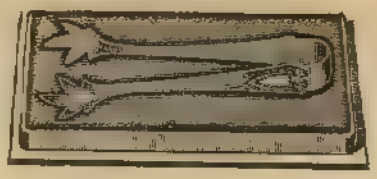
Heraldic .....per dozen $33.60
Old Colony .....per dozen 33.60
Cromwell .....per dozen 33.60
Louvain .....per dozen 33.60

ONE IN A LINED BOX

MEDIUM SOUP LADLES

Heraldic .....per dozen $104.00
Old Colony .....per dozen 104.00
Cromwell .....per dozen 104.00
Louvain .....per-dozen 104.00

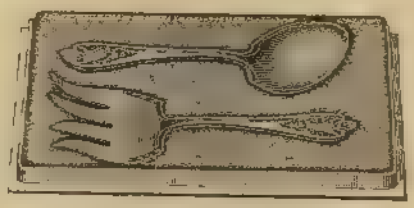
ONE IN A LINED BOX



SUGAR TONGS

Heraldic .....per dozen $27.20
Old Colony .....per dozen 27.20
Cromwell .....per dozen 27.20
Louvain .....per dozen 27.20

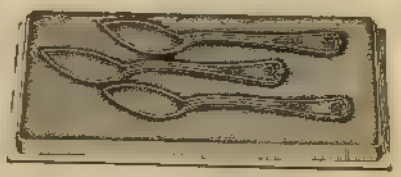
ONE IN A LINED BOX



SALAD SPOONS AND FORKS

Heraldic .....per set $9.75
Old Colony .....per set 9.75
Cromwell .....per set 9.75
Louvain .....per set 9.75

ONE SET IN A LINED BOX

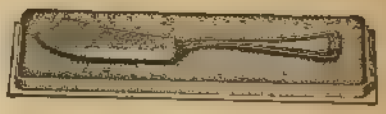


ORANGE SPOONS

Plain Bowls.

Heraldic .....per dozen $11.20
Old Colony .....per dozen 11.20
Cromwell .....per dozen 11.20
Louvain .....per dozen 11.20

HALF DOZEN IN A LINED BOX



BUTTER KNIVES

No. 14—Tipped, bright finish, per dozen $21.28
No. 21—Heraldic, per dozen 21.28
No. 17—Old Colony, per doz. 21.28
No. 18—Cromwell, per dozen 21.28
No. 19—Louvain ..per dozen 21.28

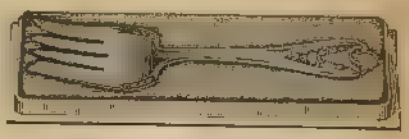
ONE IN A LINED BOX

BABY SPOON AND FORK SETS

Straight Handles.

Heraldic .....per set $2.40
Old Colony .....per set 2.40
Cromwell .....per set 2.40

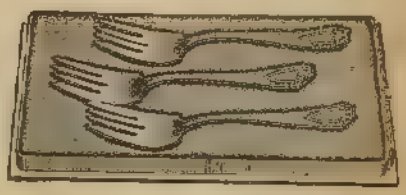
ONE SET IN A LINED BOX



COLD MEAT FORKS

Heraldic .....per dozen $28.00
Old Colony .....per dozen 28.00
Cromwell .....per dozen 28.00
Louvain .....per dozen 28.00

ONE IN A LINED BOX



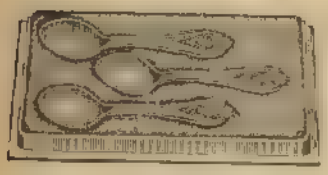
INDIVIDUAL SALAD FORKS

Heraldic .....per dozen $17.60
Old Colony .....per dozen 17.60
Cromwell .....per dozen 17.60
Louvain .....per dozen 17.60

HALF DOZEN IN A LINED BOX

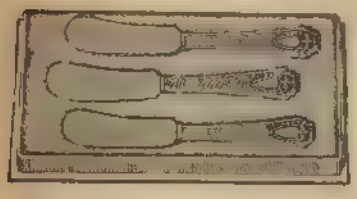
Prices on Application

1847 ROGERS BROS. SILVERWARE



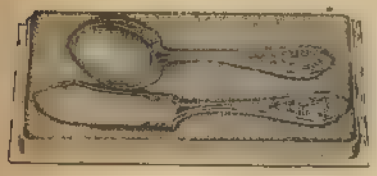
COFFEE SPOONS
Plain Bowls.

Heraldic .....per dozen *$8.80*
Old Colony .....per dozen *8.80*
Cromwell .....per dozen *8.80*
Louvain .....per dozen *8.80*
HALF DOZEN IN A LINED BOX



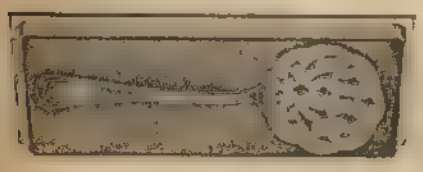
BUTTER SPREADERS
Flat Handles.

Heraldic .....per dozen *$14.40*
Old Colony .....per dozen *14.40*
Cromwell .....per dozen *14.40*
Louvain .....per dozen *14.40*
HALF DOZEN IN A LINED BOX



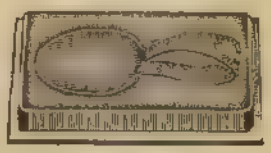
BUTTER KNIFE AND SUGAR SHELL SETS

Heraldic .....dozen sets *40.08*
Old Colony .....dozen sets *40.08*
Cromwell .....dozen sets *40.08*
Louvain .....dozen sets *40.08*
ONE SET IN A LINED BOX



TOMATO OR CUCUMBER SERVERS

Heraldic .....per dozen *$48.00*
Old Colony .....per dozen *48.00*
Cromwell .....per dozen *48.00*
Louvain .....per dozen *48.00*
ONE IN A LINED BOX

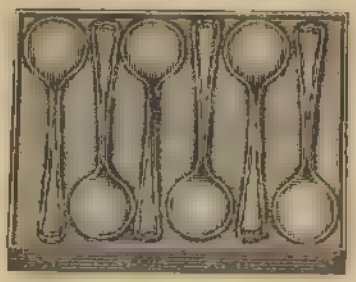


BABY SPOONS

Heraldic .....per dozen *$14.40*
Old Colony .....per dozen *14.40*
Cromwell .....per dozen *14.40*
Louvain .....per dozen *14.40*
ONE IN A LINED BOX

LONG PICKLE FORKS

Heraldic .....per dozen *$24.00*
Old Colony .....per dozen *$24.00*
Cromwell .....per dozen *24.00*
Louvain .....per dozen *24.00*
ONE IN A LINED BOX

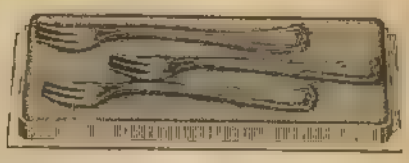


BOUILLON SPOONS

Heraldic .....per dozen *$16.40*
Old Colony .....per dozen *16.40*
Cromwell .....per dozen *16.40*
Louvain .....per dozen *16.40*
HALF DOZEN IN A LINED BOX

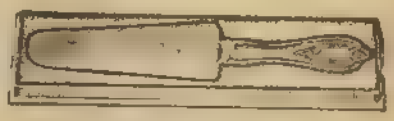
ROUND BOWL SOUP SPOONS

Heraldic .....per dozen *$18.80*
Old Colony .....per dozen *18.80*
Cromwell .....per dozen *18.80*
Louvain .....per dozen *18.80*
ONE SET IN A LINED BOX



OYSTER FORKS

Heraldic .....per dozen *$11.60*
Old Colony .....per dozen *11.60*
Cromwell .....per dozen *11.60*
Louvain .....per dozen *11.60*
HALF DOZEN IN A LINED BOX

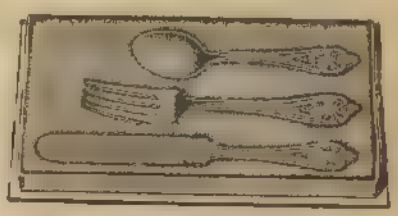


PIE OR ICE CREAM SERVERS
Hollow Handles.

Heraldic .....per dozen *$68.80*
Old Colony .....per dozen *68.80*
Cromwell .....per dozen *68.80*
Louvain .....per dozen *68.80*
ONE IN A LINED BOX

BERRY SPOONS

Heraldic .....per dozen *$43.20*
Old Colony .....per dozen *43.20*
Cromwell .....per dozen *43.20*
Louvain .....per dozen *43.20*
ONE IN A LINED BOX



CHILDS SETS
Solid Handles.

Heraldic .....per dozen *$43.20*
Old Colony .....dozen sets *43.20*
Cromwell .....dozen sets *43.20*
Louvain .....dozen sets *43.20*
HALF DOZEN IN A LINED BOX

1847 ROGERS BROS.

SILVER PLATED, SOLID HANDLE KNIVES AND FORKS

No. 1600—Solid Round End Handles.

No. 1600—Medium knives, quadruple plated, 16 dwt. on finest crucible steel, all burnished, straight blades, per dozen *$13.00*

No. 1601—Medium forks, 4 tines, all nickel silver, triple plated, 12 dwt. all burnished .....per dozen *$13.00*

No. 1602—Medium knives and forks in a combination set of 6 each, No. 1600 knives and No. 1601 forks, in a lined box .....per set *$13.00*

No. 1605—Dessert knives and forks, same style as No. *1602*, in a combination set, consisting of 6 each, round end handle, 12 dwt. knives and forks, in a lined rack box, per set *$12.50*

No. 1607—Medium knives and forks, in a combination set, consisting of 6 each, No. 1606 knives, scimeter swaged blades, and No. 1601 forks, in a lined box, per set *$13.15*

No. 2100—Louvain, Platinum Finish, Solid Handles.

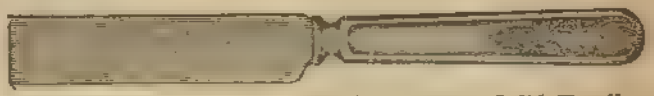
No. 2100—Louvain Pattern, medium knives, quadruple plated, 16 dwt. on finest crucible steel, French gray finish straight blades .....per dozen *$14.50*

No. 2102—Louvain Pattern, medium forks, 4 tines, all nickel silver, French gray finish, triple plated, to match No. 2100 knives .....per dozen *$14.50*

No. 2105—Louvain Pattern, dessert knives and forks, in a combination set of one-half dozen each, triple plated, 12 dwt. French gray finish .....per set *$14.00*

OUR VERY BEST

Our Very Best
Is
The Very Best

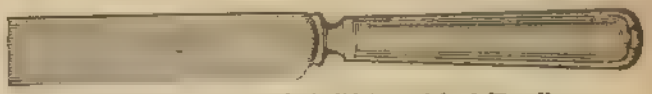


No. 1704—Old Colony French Gray Finish Solid Handles.

No. 1704—Old Colony Pattern, medium knives, quadruple plated, 16 dwt. on finest crucible steel, French gray finish, straight blades .....per dozen *$14.50*

No. 1706—Old Colony Pattern, medium forks, 4 tines, all nickel silver, French gray finish, triple plated to match No. 1704 knives .....per dozen *$14.50*

No. 1705—Old Colony Pattern, dessert knives and forks, in a combination set of one-half dozen each, triple plated, 12 dwt. French gray finish .....per set *$14.00*



No. 1714—Cromwell Solid Burnished Handles.

No. 1714—Cromwell Pattern, medium knives, quadruple plated, 16 dwt. on finest crucible steel, burnished finish straight blades .....per dozen *$14.50*

No. 1716—Cromwell Pattern, medium forks, 4 tines, all nickel silver, burnished finish, triple plated to match No. 1714 knives .....per dozen *$14.50*

No. 1715—Cromwell Pattern, dessert knives and forks, in a combination set of one-half dozen each, triple plated, 12 dwt. burnished finish.....per set *$14.00*

HERALDIC, Hammered, Platinum Finish, Solid Handles.

No. 2044—Medium knives, quadruple plated, 16 dwt. on finest crucible steel, platinum handles, straight blades, per dozen *$14.50*

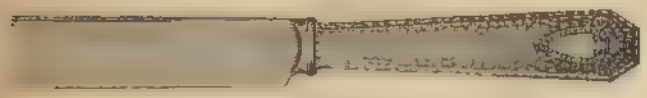
No. 2047—Medium knives and forks, platinum finish handles, in a combination set, consisting of one-half doz. each solid handle dinner knives and modeled handle medium forks in a lined rack box .....per set *$13.00*

No. 2046—Dessert knives and forks, modeled platinum finish handles, in a combination set, consisting of 6 knives and 6 forks to match, in a lined rack box, per set *$14.00*

1847 ROGERS BROS.

HOLLOW HANDLE KNIVES AND FORKS

Knives Have Nickel Silver Hollow Handles and Finest Crucible Steel Scimeter Blades.
Forks are All Nickel Silver with 4 Tines.



HERALDIC Pattern.

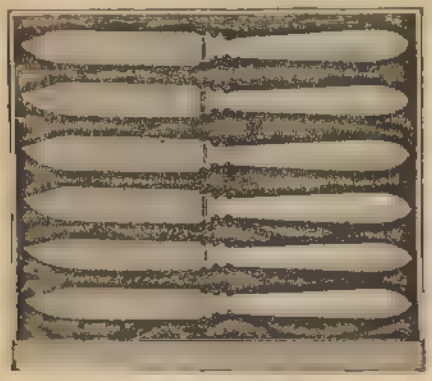
Hammered, Platinum Finish

No. 2040—Medium knives	per dozen	$36 50
No. 2041—Medium forks	per dozen	36 50
No. 2042—Dessert knives	per dozen	34.50
No. 2043—Dessert forks	per dozen	34.50

CROMWELL Pattern.

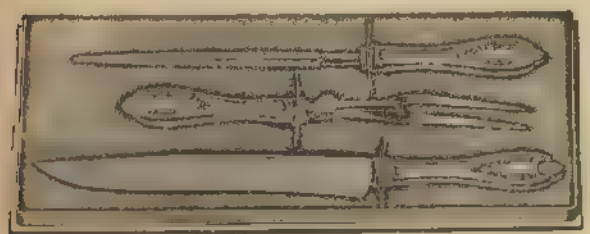
All Burnished.

No. 1710—Medium knives	per dozen	$36 50
No. 1712—Medium forks	per dozen	36.50
No. 1711—Dessert knives	per dozen	34.50
No. 1713—Dessert forks	per dozen	34.50



FRUIT KNIVES

No. 1650—Plain or satin handles .....per dozen $10.00



CARVING SETS—Hollow Handles.

Heraldic	per set	$24.50
Old Colony pattern	per set	24.50
Cromwell pattern	per set	24.50
Louvain pattern	per set	24.50

OLD COLONY Pattern.

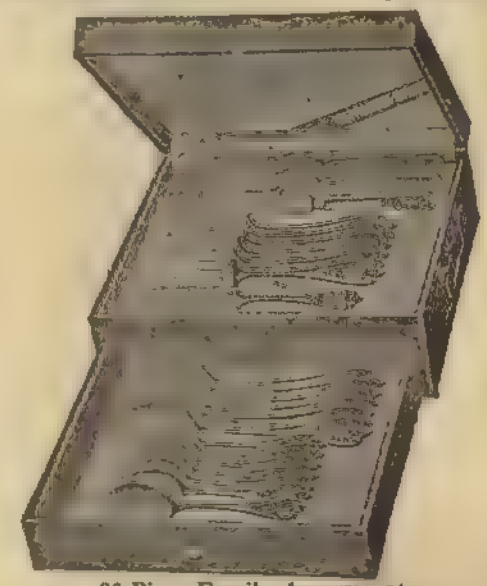
French Gray.

No. 1700—Medium knives	per dozen	$36 50
No. 1702—Medium forks	per dozen	36 50
No. 1701—Dessert knives	per dozen	34 50
No. 1703—Dessert forks	per dozen	34.50

LOUVAIN Pattern.

French Gray.

No. 1990—Medium knives	per dozen	$36 50
No. 1992—Medium forks	per dozen	36 50
No. 1991—Dessert knives	per dozen	34.50
No. 1993—Dessert forks	per dozen	34.50



26 Piece Family Assortment.

Oak chest with drawer, white lined, containing—
6 teaspoons, triple plate.
6 tablespoons, triple plate.
6 medium knives, 16 dwt.
6 medium forks, triple plate, flat handles.
1 sugar shell, triple plate.
1 butter knife, triple plate.

WITH SOLID HANDLE KNIVES

No. 81—Heraldic	each	$44.20
No. 48—Old Colony pattern	each	44.20
No. 49—Cromwell pattern	each	44.20
No. 50—Louvain pattern	each	44.20

WITH HOLLOW HANDLE KNIVES

No. 82—Heraldic	each	$55.20
No. 43—Old Colony pattern	each	55.20
No. 44—Cromwell pattern	each	55.20
No. 45—Louvain pattern	each	55.20

SILVERWARE HAND ENGRAVING

We are prepared to take orders for engraving of silverware in accordance with the styles presented below for shipment with other goods. These orders can be filled reasonably prompt, the only delay being a matter of about 24 hours in what is known as the Christmas and Holiday season. We cannot accept any orders for engraving after the 15th of December for delivery during that same year.

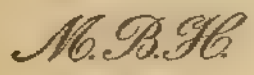
Style P1.

Style P2.

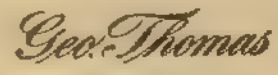
Style P3.

Style P4.

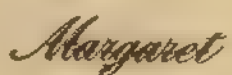
Style P1—Block	per letter	$0.15
Style P2—Roman	per letter	.20
Style P3—Fancy script	per letter	.25
Style P4—Old English	per letter	.30



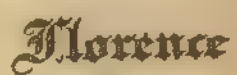
Style P5.



Style P6.



Style P7.



Style P8.

Style P5—Script initials	per letter	$0.15
Style P6—Script	per letter	.10
Style P7—Fancy script	per letter	.25
Style P8—Shaded old English	per letter	.50

Styles P1, P2, P3, P4, P5, P6, P7 and P8 are particularly adapted to Sterling Silver Flat Ware such as Spoons, Forks etc.

Style P9.

Style P10.

Style P11.

Style P 9—Block monogram	each	$5.70
Style P10—Script monogram	each	3 20
Style P11—Skeleton monogram	each	3 00

Style P12.

Style P13.

Style P14.

Style P15.

Style P12—Fancy monogram	each	$3.20
Style P13—Drop monogram	each	2.00
Style P14—Ribbon monogram	each	4.50
Style P15—Rustic monogram	each	5.20

Monograms and Engraving Larger Than Above Illustrations Correspondingly Higher In Prices.

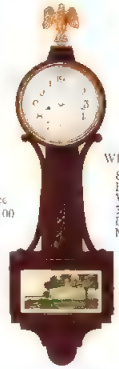
Styles P9, P10, P11, P12, P13, P14 and P15 are particularly adapted to Hollow Ware such as Tea Sets, Creamers, Sugars, etc.

NEW HAVEN CLOCKS

"WILLARD" Banjo Clocks. Decorated Glass, Cast Gilt and Wood Trimmings. As Designed and Made by Edw. K. Willard in London, Eng., in 1801. Introduced to the American Trade in 1812.

3+6775
WILLIS GOLD
8-day Lever Time
Height 1 3/4 in
Width 5 in
3 1/2 in. Porcelain Dial
Gold Finished Case
Also made Solid Mahogany
3+6776
Price $20.30
Price $21.80

3+6777
WILLARD
Height 44 1/2 in
Width 12 1/4 in
8-in. Silver Dial
Solid Mahogany
30-day Pendulum Time
8-day Weight Time
3+6778
Price $82.05
Price $61.00



3+6779
WILLMAR
8-day Lever Time
Height 16 1/2 in
Width 5 in
3 1/2-in. Porcelain Dial, Solid Mahogany
Price $ 8.85

3+6780
WILSON
Height 40 1/2 in., width 13 1/4 in.,
8-in. Silver Dial
Solid Mahogany
30-day Pendulum Time
Price $61.00

3+6781
WINDROW
Height 23 1/2 in., width 7 3/4 in.,
5 in. Porcelain Dial
Solid Mahogany
8-day Lever Time
Price $30.50

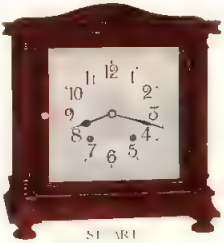
3+6782
WELTON
Height 25 1/2 in., width 8 1/4 in.,
6-in. Silver Dial
Solid Mahogany
8-day Pendulum Time
Price $34.80

3+6783
WARING mahogany finish
Height 38 in., width 11 1/2 in.,
8-day 8-in. Silver Dial
Pendulum Time Price $2[illegible].50
Pendulum Cathedral Gong
3+6784 Price $29.70

WILLIS and WILLMAR fitted Silver Dial at extra and on WINDROW extra

Solid Mahoganies

Eight Day Cathedral Gong and Eight Day Time, Cast Sash, Beveled Glass



SMART

Cathedral Gong Height 10 ¼ in., width 9⅛ in. 7-in Silver Dial

3+6786 Price $39.15

PALLAS

Cathedral Gong Height 9 in., width 8¾ in. 6-in. Silver Dial, Convex Glass

PORTIA

Cathedral Gong Height 9¼ in., width 8 in. 6-in Silver Dial Convex Glass

3+6787 Price $43.50

TAUNTON

Cathedral Gong. Beveled Plate Glass Front and Back. Height 11½ in. width 10 in. 7-in Silver Dial Convex Glass Price $52.95

3+6789

PARNA

Eight day Time. Height 6⅛ in., Width 14½ in. 5-in Porcelain Dial Price $21.00

3+6788

QUAYLE 3+6790

Eight day Time Height 6½ in., width 12¾ in 3½-in Porcelain Dial Price $ Silver Dial Full Radium Dial

3+6791 Price $19.65

JACOBEAN No. 55

Eight day Time. Height 6⅝ in., width 13½ in. 3½ in. Porcelain Dial Price $18.85 Silver Dial Full Radium Dial

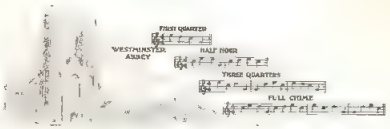
3+6793 Price $21.50

QUINCY

Eight day Time Height 5⅛ in., width 10½ in 3+6794 3½-in Porcelain Dial Price $16.65 3+6795 Silver Dial Price $16.65

Above Clocks Also Furnished in Brown Mahogany

JEWELED LEVER "Westminster" Chimes



KENSINGTON 3+6763
Height 31½ in. width 10 in.
7½-in. dial
Price $90.00

GRANVILLE 3+6764
Height 9½ in. width 20 in. 7-in. dial Price $102.50

8-day Lever, Jeweled Balance, Rack and Snail Movement with Extra Heavy Plates, satin gold finish. FULL WESTMINSTER CHIMES at quarter hours, on Beautifully Toned Rods, striking the hour on a Deep Toned Rod. Solid Mahogany Cases. Silver Dials with Cast Sash and Beveled Glass.

JEWELED LEVER Cathedral Gong Cabinets

MONTAINE 3+6765
Height 9½ in., width 8⅛ in., 6-in. dial
Price $40.00

MONTCALM 3+6766
Height 8 in., width 16¼ in., 5-in. dial
Price $45.00

8-day Lever, Jeweled Balance, Rack and Snail Cathedral Gong Movement, Heavily Nickel Plated with Damaskeened Plates. Solid Mahogany Cases. Silver Dials with Cast Sash and Beveled Convex Glass.

Above Clocks Also Furnished in Brown Mahogany

Solid Mahogany TAMBOURS
Superior Finish
Hand Rubbed.

Cast Sash, Beveled Glass
8 Day, Hour and Half Hour
Cathedral Gong
Polished Movements

TAMBOUR No. 15 3+6767
Height 12⅝ in., width 29½ in., 7½ in. Silver dial Price $71 00
3+6768 TAMBOUR No. 6 (same design) (Both Rack and Snail Movements)
Height 11⅞ in., width 24⅝ in., 7 inch Porcelain Dial Price $52 15

TAMBOUR No. 14
Height 9 in., width 19¼ in., 6-in. dial
Rack and Snail Movement
Porcelain dial
3+6769 Silver dial } Price $49 30
3+6770

TAMBOUR No. 2 3+6771
Height 11¾ in., width 24 in., 7½-in. Silver dial Price $65 25
TAMBOUR No. 1 (same design) Height 10¾ in., width 21⅝ in., 7 in. Porcelain dial Price $55 10
(Both Rack and Snail Movements)

TAMBOUR No. 18 3+6773
Height 9 in., width 19 in., 6-in. dial
Rack and Snail Movement
Porcelain dial
Silver dial } Price $50.75

TAMBOUR No. 19 3+6774
Height 8¾ in., width 19¾ in., 6-in. Silver dial Square Movement
Price $49 75

Above Clocks Also Furnished in Brown Mahogany

Mahogany Finished Tambours

Eight Day, Hour and Half Hour Cathedral Gong Strike. Dull Hand Rubbed, Mahogany Finished Cases. Square Polished Movement. 6-in. Dial Convex Glass

AUTHOR

Height 9 in., width 14⅝ in.
3+6798 White Metal Dial Struck Sash Price $20.30
3+6799 Porcelain Dial Cast Sash Price $23.20

TAMBOUR No. 52 3+6798

Height 9¼ in., width 21⅜ in. White Metal Dial Struck Sash Price $15.95

TAMBOUR No. 1

Height 9⅝ in., width 15 x 17
3+6799 White Metal Dial Struck Sash Price $20.30
3+6800 Porcelain Dial Cast Sash Price $23.20

TAMBOUR No. 51 3+6801

Height 9 in., width 18 in.
White Metal Dial Struck Sash Price $14.50

TAMBOUR No. 11 3+6802

Height 10¼ in., width 20½ in. White Metal Dial Struck Sash Price $21.00
3+6803 Porcelain Dial Cast Sash Price $23.90

TAMBOUR No. 50 3+6804

Height 9¼ in., width 18 in.
White Metal Dial Struck Sash Price $14.50

Mahogany Novelties and Mahogany Alarms

Eight and One Day Porcelain and Full Radium Dials
Time and Alarm

CARPER 3+6805
8 Day Time. Solid Mahogany. Height 4½ in., width 8 in. 2¼ in. Porcelain Dial. Price $13.75
3+6806 Radium Dial. Price $16.05

HANFORD 3+6807
8 Day Time. Solid Mahogany. Height 4¾ in., width 9⅝ in. 2¼ in. Porcelain Dial. Price $12.35
3+6808 Radium Dial. Price $14.25

HARLEE 3+6809
8 Day Time. Solid Mahogany. Height 4¾ in. width 3¼ in. 2¼ in. Porcelain Dial. Price $12.50
2¼ in. Radium Dial. Price $14.50

HARVEY 3+6811
8 Day Time. Solid Mahogany. Height 4 in., width 6⅞ in. 2¼ in. Porcelain Dial. Price $12.35

HALSTEAD 3+6812
8 Day Time. Solid Mahogany. Height 4 in. width 8¼ in. 2¼ in. Porcelain Dial. Price $12.35
3+6813 Radium Dial. Price $16.05

IDEAL 3+6815
1 Day. Mahogany Finish. Height 4¼ in., width 3¼ in. 2-in. Dial.
Time, Porcelain Dial $ 6.25
Time, Radium Dial 8.00
Alarm, Porcelain Dial 8.40
Alarm, Radium Dial 10.50

IRA 1 Day. Mahogany Finish. Height 3¾ in., width 5¾ in. 2 in. Dial
3+6814 Time, Porcelain Dial $ 5.35 Alarm, Porcelain Dial $ 8.40
3+6815 Time, Radium Dial 6.80 Alarm, Radium Dial 11.30

ISA 1 Day, Mahogany Finish. Height 4 in., width 8 in. 2-in Dial
3+6816 Time, Porcelain Dial $6.80 Alarm, Porcelain Dial $8.40
3+6818 Time, Radium Dial 8.80 Alarm, Radium Dial 10.50

GREELEY
1 Day. Alarm. Mahogany Finish. Height 6¾ in., width 14½ in. 2¼ in. Dial.
3+6819 White Dial. Price $8.45
3+6820 Radium Dial. Price $11.65

CLIFTO 4+1082
8 Day. Automatic Alarm. Mahogany Finish. Height 6¾ in., width 15 in. 4¾-in. Porcelain Dial. Price $11.65
3+6822 Radium Dial. Price $15.05

GRESHAM
1 Day Alarm. Mahogany Finish. Height 6¾ in., width 14½ in. 2¼ in. Dial.
3+6823 White Dial. Price $9.45
3+6824 Radium Dial. " 11.65

GLASSWARE
CUT
VICTORY PATTERN

Popular Design; Combination Mitre, Floral and Victory Laurel Cutting; all Extra High Quality Lead Glass Blanks

JUGS

4 Pint

Height, 10 inches.

Each
No. G1100—Weight Each, 4½ lbs.....**$23 00**
Loose

TUMBLERS

8 ounce

Per Dozen
No. G1300—Weight per Dozen, 6¾ lbs.....**$50 00**
Loose

VASES

Each
No. G2200—12 inch; Weight Each, 4 lbs.....**$22 00**

No. G2200—10 inch; Weight Each; 2¾ lbs.....**16 50**
Loose

COMPORTS

8 inch

Each
No. G1900—Height 8 inches; Diameter of Bowl, 6 inches; Weight Each, 2¾ lbs...**$10 00**
Loose

BERRY BOWLS

Diameter 8 inches; Depth 3½ inches

Each
No. G1300—Weight Each, 3½ lbs..**$13 50**
Loose

ROUND NAPPIES

Diameter 6 inches

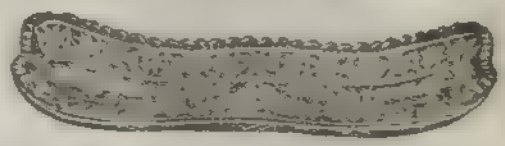
Per Dozen
No. G1700—Weight per Dozen, 12 lbs..**$80 00**
Loose

GLASSWARE
CUT
VICTORY PATTERN

Popular Design; Combination Mitre, Floral and Victory Laurel Cutting; all Extra High Quality Lead Glass Blanks.

SUGAR AND CREAM SETS

Per Pair
No. G2000—Height of Sugar Bowl, 3 inches; Height of Cream Pitcher, 3½ inches; Weight per Pair, 2 lbs.....**$13.00**
Loose



ROLL OR BREAD TRAYS

Each
No. G2100—Length, 12 inches, Width, 5 inches, Weight Each, 2½ lbs.....**$13 00**
Loose

CELERY TRAYS

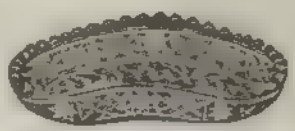
Length, 12 inches; Width 4⅛ inches

Each
No. G1400—Weight Each, 2 lbs.....**$10 00**
Loose

SPOON TRAYS

Length, 8 inches; Width 3½ inches.

Per Dozen
No. G1500—Weight per Dozen, 12 lbs.....**$66.00**
Loose



RELISH DISHES

Length, 7½ inches; Width, 3¼ inches; Depth, 1¾ inches.

Per Dozen
No. G1501—Weight per Dozen, 12 lbs.....**$66.00**
Loose

OLIVE AND PICKLE DISHES

Partitioned Dish; Length, 7½ inches; Width, 5¾ inches; Depth, 1½ inches.

Per Dozen
No. G1504—Weight per Dozen, 15 lbs.....**$88 00**
Loose

HANDLED NAPPIES

Diameter, 6 inches

Per Dozen
No. G1600—Weight per Dozen, 15 lbs.....**$80.00**
Loose

GLASSWARE

CUT

Blanks of High Quality Lead Glass Highly Polished

HANDLED NAPPIES
Floral and Mitre Design
Diameter, 6 inches

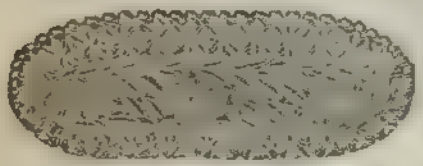
Per Dozen
No. G1804—Weight per Dozen, 18 lbs. Loose $48 00

HANDLED NAPPIES
Buzz Star Design
Diameter, 6 inches

Per Dozen
No. G1803—Weight per Dozen, 18 lbs. Loose $42.00

HANDLED NAPPIES
Star and Mitre Design
Diameter, 6 inches

Per Dozer
No. G1802—Weight per Dozen 18 lbs. Loose $40 00



CELERY DISHES OR TRAYS
Floral and Mitre Design
Length, 12 inches; Width, 6½ inches.

Each
No. G2601—Weight Each, 2¾ lbs. Loose $8.00

CELERY DISHES OR TRAYS
Floral and Mitre Design
Length, 10¾ inches; Width, 4⅜ inches.

Each
No. G1405—Weight Each, 2 lbs. Loose $5.50

CELERY DISHES OR TRAYS
Star and Mitre Design
Length, 10½ inches; Width, 4½ inches.

Each
No. G1404—Weight Each, 1¾ lbs. Loose $5 20

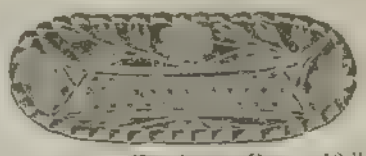
CELERY DISHES OR TRAYS
Buzz Star and Mitre Design
Length, 10½ inches; Width 4½ inches.

Each
No. G1403—Weight Each, 1½ lbs. Loose $5 00

GLASSWARE

CUT

Blanks of High Quality Lead Glass, Highly Polished.



BON BON DISHES
Rose and Mitre Design
8 inches Long; 4¾ inches Wide.

Per Dozen
No. G1512—Weight per Dozen, 18 lbs. Loose $33.00

BON BON DISHES
Rose and Mitre Design
6¼ inches Long 4½ inches Wide.

Per Dozen
No. G1511—Weight per Dozen, 12 lbs. Loose $33.00

BON BON DISHES
Floral Design
6½ inches Long; 4½ inches Wide.

Per Dozen
No. G1500—Weight per Dozen, 12 lbs. Loose $40 00

BON BON DISHES
Buzz Star Design
Clover Shape; 5½ inches Long.

Per Dozen
No. G1507—Weight per Dozen, 12 lbs. Loose $38.00

BASKETS
Flower and Mitre Design
5½ inches in Diameter, With Handle.

Each
No. G2801—Weight Each, 1½ lbs. Loose $8.00

BASKETS
Flower Design
6 inches Long; 5 inches Wide, with Twisted Cord Design Handle.

Each
No. G2800—Weight Each, 1½ lbs. Loose $5.50

GLASSWARE

CUT

Blanks of High Quality Lead Glass, Highly Polished

BERRY BOWLS

Rose and Mitre Design

Each

No. G1310—9 inch Diameter; 4¼ inches Deep; Weight Each, 4 lbs. **$11.00**

No. G1310—8 inch Diameter; Weight Each 3½ lbs. **8 80**

Loose

BERRY BOWLS

Three Large Hob Stars and One on Bottom, Scalloped Wave Rim, Diameter, 8 inches.

Each

No. G1307—Weight Each 3 lbs. **$6 00**

Loose

BERRY BOWLS

Buzz Flower and Mitre Design

8 inch Diameter; 3 inches Deep

Each

No. G1306—Weight Each, 3 lbs. **$6 00**

Loose

BERRY BOWLS

Flower and Mitre Design

7 inch Diameter; 3 inches Deep.

Each

No. G1308—Weight Each, 2¼ lbs. **$5 50**

Loose

MAYONNAISE SETS

Flower Design

Dish, 2½ inches Deep; Plate, 7 inches in Diameter.

Each

No. G2401—Weight Each, 2 lbs. **$7.50**

Loose

GLASSWARE

CUT

Blanks of High Quality Lead Glass; Highly Polished

SUGAR AND CREAM SETS

Per Set

No. G2008—Extra Heavy Blanks; Deep Cuttings; Star Cut in Frosted Finish; Height, 3 inches; Weight per Set, 2¼ lbs. **$10 50**

Loose

Per Set

No. G2007—Extra Heavy Blanks; Deep Cuttings, Flowers in Frosted Finish; Height, 3 inches; Weight per Set, 2¼ lbs. **$10 00**

Loose

Per Set

No. G2006—Extra Heavy Blanks; Deep Cuttings; Flowers in Frosted Finish; Height, 3¼ inches; Weight per Set, 2½ lbs. .. **$9.00**

Loose

Per Set

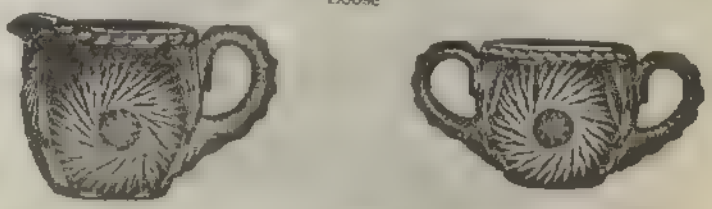
No. G2005—Buzz Design; Flowers in Frosted Finish; Height, 3 inches; Weight per Set, 2½ lbs **$8 00**

Loose

Per Set

No. G2004—Knob and Buzz Design; All Polished; Height, 3 inches; Weight per Set, 2½ lbs. **$7 20**

Loose



Per Set

No. G2003—Height of Bowl, 3 inches; Diameter at Top, 3 inches; Height of Pitcher, 3 inches; Diameter at Top, 2½ inches; Weight per Set, 2 lbs. **$6 70**

Loose

GLASSWARE

CUT

Blanks of High Quality Lead Glass; Highly Polished.

COMPORTS

Flower and Mitre Design

Height, 7½ inches; Bowl, 6 inches in Diameter

Each

No. G1904—Weight Each, 3 lbs. $7 20

Loose

COMPORTS

Flower Design

Height, 7 inches; Bowl, 6 inches in Diameter.

Each

No. G1905—Weight Each, 2 lbs. $6 00

Loose

COMPORTS

Flower and Mitre Design

Height, 4⅜ inches; Bowl, 5 inches in Diameter.

Each

No. G1903—Weight Each, 1½ lbs. $5 00

Loose

OIL OR VINEGAR CRUETS

Height, 6½ inches

Each

No. G3201—Weight Each, 1¼ lbs. $8 00

Loose

GLASSWARE

CUT

Blanks of High Quality Lead Glass, Highly Polished.

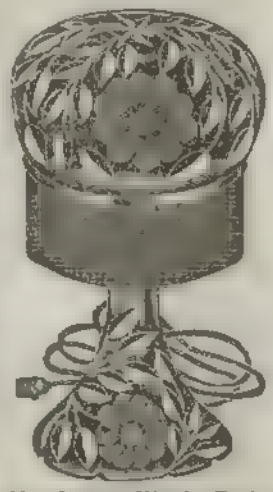
OIL OR VINEGAR CRUETS

Height, 8 inches.

Each

No. G3200—Weight Each, 1¼ lbs. $6.00

Loose



ELECTRIC BOUDOIR LAMPS

Rose and Mitre Design

Height, 12 inches; Shade Diameter, 6½ inches; Complete with one 5 foot Cord and Bulb.

Each

No. G2700—Weight Each, 4 lbs. $18 00

Loose

ELECTRIC BOUDOIR LAMPS

Buffalo Rose Design

Height, 12 inches; Shade Diameter, 6½ inches; Complete with one 5 foot Cord and Bulb.

Each

No. G2701—Weight Each, 4 lbs. $22.00

Loose

GLASSWARE

CUT

Blanks of High Quality Lead Glass; Highly Polished

VASES

Fancy Floral and Mitre Cut

Diameter, 5 inches.

Each

No. G2203—14 inch; Weight Each, 5 lbs. . **$15 00**

No. G2203—12 inch, Weight Each, 4½ lbs. **12.00**

Loose

VASES

Buzz Star and Mitre Cut

Diameter Bottom, 5⅛ inches; Top, 5 inches

Each

No. G2204—14 inch; Weight Each, 6 lbs. **$15.00**

No. G2204—12 inch; Weight Each, 5½ lbs. **12 00**

Loose

VASES

Buzz Star and Floral Cut

Diameter Top, 5 inches; Bottom, 5 inches

Each

No. G2205—14 inch; Weight Each, 6 lbs. . **$15 00**

No. G2205—12 inch; Weight Each, 5 lbs. . **12 00**

Loose

VASES

Floral and Mitre Cut

Tall and Narrow Pattern; Diameter at Base, 5 inches; Top, 3¾ inches.

Each

No. G2206—16 inch; Weight Each, 5½ lbs. . **$15 00**

No. G2206—14 inch; Weight Each, 6 lbs. . **10 50**

No. G2206—12 inch; Weight Each, 4½ lbs. . **9.00**

Loose

GLASSWARE

CUT

VASE ASSORTMENTS

Assortment Consists of 3 Only 10 inch Vases; Three Different and Distinct Cuttings. Blanks Fine Quality Lead Glass, Highly Polished.

Per Assortment

No. G310—Weight per Assortment, 6 lbs. **$12.00**

One Assortment in Package

WATER SETS

Buzz Star and Mitre Cutting

Per Set

No. G3004—Four Pint Jug and Six Ounce Tumblers; Weight per Set, 10 lbs. **$25 00**

One Set in a Carton

Floral and Diamond Shape Mitre Cutting

Per Set

No. G3003—Four Pint Jug and Six Ounce Tumblers; Weight per Set, 10 lbs. **$23 00**

One Set in a Carton

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE

GLASSWARE
CUT
Blanks of High Quality Lead Glass, Highly Polished.
WATER SETS

Buzz Star Design

No. G3002—Four Pint Jug and Six Half Pint Tumblers. Weight per Set, 10 lbs. . . . . Per Set $27.00
Loose

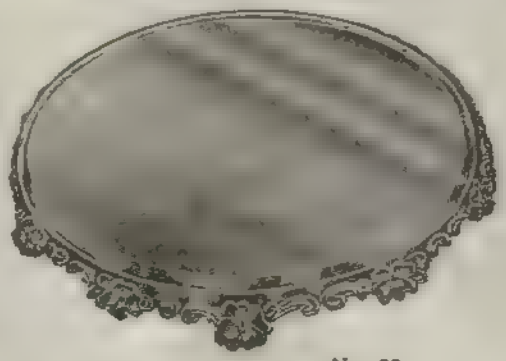
No. G3001—Deep Cuttings; Flowers in Frosted Finish. Four Pint Jug; Half Pint Bell shape Tumblers; Weight per Set, 10 lbs. . . Per Set $24.00
Loose

No. G3000—Deep Cuttings; Flowers in Frosted Finish; Four Pint Jug; Half Pint Straight Tumblers, Weight per Set, 10 lbs. . . . . Per Set $24.00
Loose

GLASSWARE
CUT
Light Crystal Blanks. Highly Polished
WATER SETS

No. G3005—Weight per Set, 8 lbs. . . . . Per Set $24 00
Loose

No. G3006—Weight per Set, 6 lbs. . . . . Per Set $17 00
Loose



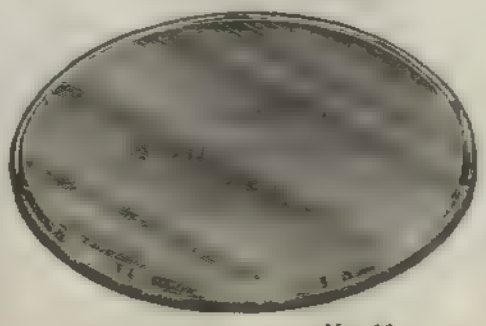
PLATEAU MIRRORS

Fancy Silver Plated, White Metal Frame, Footed; Plain Bevel Plate Glass Mirror.

No. 33

Diameter, inches	12	14
Weight Each, lbs	5	8
Each	$7 50	11 00

Loose



PLATEAU MIRRORS

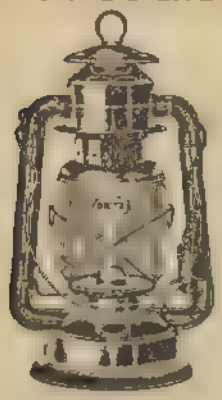
Nickel Plated Border, Plain Bevel, Plate Glass Mirror.

No. 14

Diameter, Inches	12	14
Weight Each, lbs.	3½	6
Each	$7.20	9.20

Loose

DIETZ D-LITE LANTERNS



Special features: DIETZ security standing bail, patent brass eyelets, patent safety (wing-lock) rising cone burner, ptent reinforced tubes, patent globe lift on inside of frame, large oil-filler, patent locking short globe, No. 616, and double-seamed solderless dome-shaped oil fount.

No. R562—Bright tin, size wick 1 in., height 13¼ in., 10 candle power, will burn 20 hours with one filling, w't per doz. 50 lbs., per dozen $26.70

DIETZ LARGE FOUNT D-LITE

Special features: DIETZ security standing bail, patent brass eyelets, patent safety (wing-lock) rising cone burner, patent reinforced tubes, patent globe lift on inside of frame, large oil-filler, patent locking short globe, No. 616, and **Extra Large** double seamed solderless dome-shaped oil-fount

No. R592—Bright tin, size wick 1 in., height 13¾ in., 10 candle power, will burn 40 hours with one filling, w't per doz. 56 lbs., per dozen $28.20

HALF DOZEN IN CARTON

DIETZ LITTLE WIZARD

Special features: DIETZ security standing bail, patent brass eyelets, patent safety (wing-lock) rising cone burner, patent reinforced tubes, patent globe lift on inside of frame, large oil-filler, patent locking short globe No. 618, and double-seamed solderless dome-shaped oil-fount

No. R511—Bright tin, size wick ⅝ in., height 11½ in., 6 candle power, will burn 18 hours with one filling, w't per doz. 33 lbs., per dozen $18.70

ONE DOZEN IN CARTON

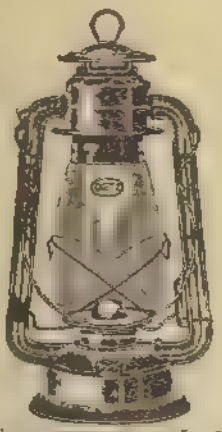
DIETZ MONARCH LANTERNS

Special features: DIETZ security standing bail, patent brass eyelets, patent safety (wing-lock) burner, patent reinforced tubes patent positive locking globe lift, large oil-filler, and double-seamed solderless dome-shaped oil-fount, globe No. 600.

No. R542—Bright tin, size wick ⅝ in., height 13½ in., 4 candle power, will burn 18 hours with one filling, w't per doz. 38 lbs. ..per dozen $15.70

ONE DOZEN IN CARTON

DIETZ BLIZZARD LANTERNS



Special features: DIETZ security standing bail, patent brass eyelets, patent safety (wing-lock) rising cone burner, patent reinforced tubes, patent globe lift on inside of frame, large oil-filler, patent locking globe No. 611, and double-seamed solderless dome-shaped oil-fount.

No. R502—Bright tin, size wick 1 in., height 14¾ in., 10 candle power, will burn 20 hours with one filling, w't per doz. 52 lbs. ...per dozen $25.70

HALF DOZEN IN A BOX

LANTERNS

DIETZ LITTLE STAR

An attractive small size lantern of the Hot Blast Type. A fine boy's lantern and makes a nice gift

Equipped with No. 211 Globe and No. 0 ⅝-inch wick.

No. R570—
per dozen $15.50

ONE DOZEN IN A BOX
WE DO NOT BREAK BOXES

DIETZ "SCOUT" LANTERNS

This is the smallest hand lantern ever offered to the public. Many lanterns of this size have been introduced, but most of them were ornaments or toys, whereas Dietz "Scout" is practical and will burn steadily in wind or storm. Its construction is good, and while light in weight, will prove serviceable. This lantern sells at a moderate price.

No. R505—Bright tin, size of wick ⅝ in., will burn 10 hours, height overall 7¾ in., shipping w't per doz. 13½ lbs. .....per dozen $12.00

ONE DOZEN IN A SHIPPING CARTON
WE DO NOT BREAK CARTONS

JUNIOR WAGON LANTERN

Special features DIETZ security standing mail, patent brass eyelets, patent safety (wing-lock) burner, patent reinforced tubes, large oil-filler, and double-seamed solderless dome-shaped oil-fount with safety oil-well, magnifying bulls-eye lens, ruby rear lens, combination holder, globe No. 610.

Black enamel, size wick ⅝ in., height 12 in., 10 candle power, will burn 13 hours with one filling, w't per doz. 64 lbs.

No. R504—Full half dozen cases, per dozen $36.70

No. 504—Less than case, per dozen $36.70

HALF DOZEN IN A CASE

OIL HOOD LANTERNS

Blue lacquered bright tin hood, 6 in. deep, 8 in. outside diameter, 5 in. silvered glass reflector, high cone burner, ¾ in. wick, No. 0 crystal tubular globe—No. 600.

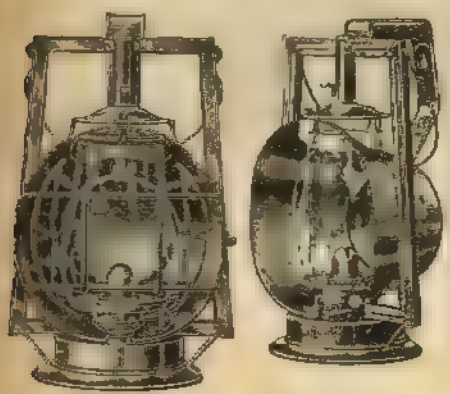
No. R2150—Car Inspector's, with substantial handle and wire bail, w't per doz. 35 lbs.

No. R2150—Full case lots, per dozen $48.00

No. 2150—Less than case, per dozen $48.00

HALF DOZEN IN A CASE

DIETZ ACME CAR INSPECTOR LANTERNS



With Guard. Without Guard.

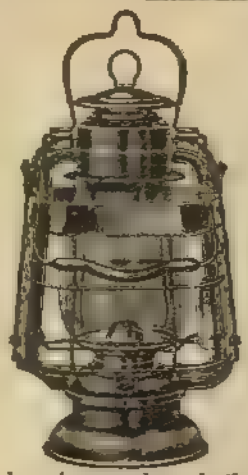
Strongly made, frame and hood are heavily braced and a strap of steel, well soldered, reinforces the frame, gives a reflected light of 20 candle power, has a grip handle set at right angle to project the light under cares, also has hand bails, globe No. 600.

No. 5151—With wire globe **guard,** per dozen $59.00

No. 5150—Without guard, ... per dozen $52.00

HALF DOZEN IN A CASE, W'T PER DOZ. 74 LBS.

DIETZ D-LITE FIRE DEPT. LANTERNS



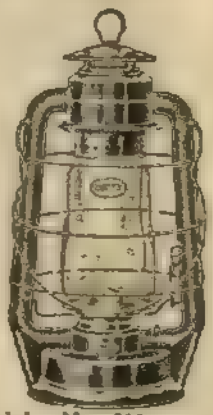
Strongly made, easily cleaned, filled and lighted and will burn where there is air to support human life. Fits any standard bracket.

Patent safety (wing-lock) rising cone burner, patent reinforced tubes, large oil filler, patent guard, double seamed solderless dome—shaped oil fount, globe 616.

No. 555—Red Enameled, on tin fount, size wick 1 in., height 14¾ in., 10 candle power, will burn 16 hours with one filling, w't per doz. 88 lbs., per dozen $100.00

HALF DOZEN IN A CASE

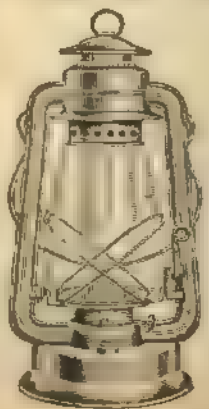
BLIZZARD MILL LANTERN



Special features: DIETZ security standing bail, patent brass eyelets, patent slotted cone burner, patent reinforced tubes, patent globe lift on inside of frame, large oil-filler, and double-seamed solderless dome-shaped oil-fount, safety oil well, fount strongly braced, globe No. 611.

No. 552—Red enamel, size wick 1 in., height 14¾ in., 10 candle power, will burn 18 hours with one filling, w't per doz. 72 lbs. ..per dozen $68.00

CRUSO COLD BLAST LANTERNS



CRUSO, cold blast, tubular, side globe lift, No. 2 steel burner, 1 in. wick No. 2 crystal cold blast globe—No. 611, w't per doz. 50 lbs.

In every way a high-grade lantern, at a very special price.

No. R12—Full half dozen case, per doz. $21.30

HALF DOZEN IN A CASE

CRUSO CONTRACTORS' LANTERNS

CRUSO, side lift, steel burner, ¾ in. wick.

These are nicely tinned, serviceable lanterns at very special prices.

With No. 600 Crystal Globe, w't per doz. 30 lbs.

No. R240—Full dozen case, per dozen $13.30

With No. 603 Ruby Globe, w't per doz. 35 lbs.

No. R2433—Full dozen case, per dozen $18.00

ONE DOZEN IN A BOX

CRUSO SHORT GLOBE COLD BLAST LANTERNS

1 in. wick, No. 616 short cold blast globe, w't per doz. 50 lbs.

This is a good lantern at a very special price.

No. R775—Full half dozen case, per dozen $21.30

HALF DOZEN IN A CASE

LANTERNS

DIETZ RAILROAD LANTERNS

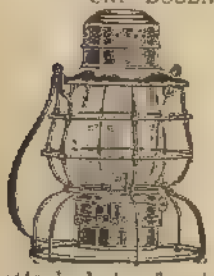
DIETZ VESTA—Modern cold blast construction, burns kerosene. Globe is removable through the frame fount, locks to the body of lanterns, by a patented positive locking device. Flame is regulated from outside of the globe. The Vesta fills every demand for an ideal R. R. Lantern, is easily cleande, filled and lighted, positively makes all signals, globe No. 635.

Bright tin, size wick ⅞ in., height 11 in., 3 candle power, will burn 16 hours with one filling, w't doz. 110 lbs.

No. R500—Full one dozen case, per dozen $41.60

No. 500—Less than case, per dozen $41.60

ONE DOZEN IN A BOX



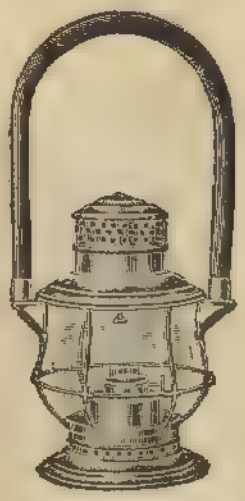
DIETZ VULCAN—Patented wing-lock ratchet burner, double guards, substantial stamped base and top. Removable globe, wing-lock (slip collar) burner is firmly attached to fount, base and fount fastened to frame by positive-locking device, fount has safety oil well. For strength and long life, ease in cleaning, filling, lighting, regulating and making signals, this lantern is unexcelled, globe No. 630. Burns lard oil.

No. 539—Bright tin, size wick 1 in., height 10 in., 2 candle power, will burn 24 hours with one filling, w't per doz. 49 lbs. ..per dozen $32.40

DEITZ STEEL CLAD—Patented wing-lock, ratchet burner, stamped steel frame with double wire guard, stamped fount and top, removable globe, hinged top, wing-lock (slip collar) burner is firmly attached to fount by patented locking lugs and fount fastened to frame by positive locking device, fount has safety oil well. Unexcelled for strength, ease of cleaning, filling, lighting and dependability in making signals, globe No. 630. Burns lard oil.

No. 5390—Bright tin, size wick 1 in. height 10 in., 2 candle power, will burn 24 hours with one filling, w't per doz. 50 lbs. ...per dozen $33.60

SWITCHMEN'S



Rigid wooden bail, No. 39 crystal globes—No. 630—Height 8 in. extreme height to top of bail 13 in., bright tin base and top heavy wire frame, short compact, light weight, the handle is of bent wood and being larger in diameter gives a firmer grip than the customary wire bail.

No. 90—Lard Oil burner No. 1, ⅞ in. wick .....per dozen $47.00

No. 92—Lard Oil burner No. 2, 1 in. wick .....per dozen $47.00

WT PER DOZEN 58 LBS.

EXTRA BURNERS

No. F900—For No. 90 lanterns, per dozen★ $1.50

No. F920—For No. 92 lanterns, per dozen★ $2.50

ONE DOZEN IN A CASE

JUSTRITE ACETYLENE

Suitable for Mine Superintendents, Inspectors, Mining Engineers, Watchmen, Campers and Automobilists. Will not blow out.

No. 12—Brass nickel plated, 20 candle power, bulls eye lens, automatic generator controls gas, flame controlled by valve, burns 5 to 6 hrs. with 3 oz. of carbide, w't per doz. 36 lbs. .....per dozen $96.00

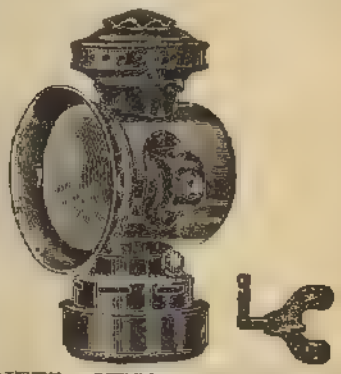
DIETZ DRIVING LAMPS

DIETZ OCTO—Black enameled with nickel plated door rim 10½ in. high, 4⅝ in. door lens, 2½ in. ruby rear lens, ⅝ in. wick, complete with double socket for right or left hand, has bail for use as a hand lamp.

No. R360—Full dozen cases, per dozen $75 40

No. 360—Less than case, per dozen $75.40

ONE DOZEN IN A CASE, WT 20 LBS.



DIETZ NEW EUREKA—Black enameled nickel plated door rim, 7¾ in. high, 3 in door lens, 2 in. rear ruby lens, ⅝ in. wick, left hand, complete with dash clamp holder, burns 10 hours with one filling, w't per doz. 25 lbs.

Lamps for left side always furnished. The right hand pattern must be ordered from factory. Especially adapted for use on light vehicles.

No. R280—Full one dozen case, per dozen $37.40

No. 280—Less than case, dozen 37.40

ONE DOZEN IN A CASE

STREET LAMPS

Constructed on the cold blast principle, gives a steady light and will not blow out.

No. R3—No. 3 tubular crystal street globe—No. 622, No. 2 tubular burner, 1¾ in. wick, large tin front with device for automatically extinguishing light at any time desired, painted green, for post, height 27 in., diam. socket 2⅝ in., burns 24 hours with one filling, each $12.00

ONE IN A BOX WT 26 LBS.

LANTERNS

All H.S.B.&C. Lanterns are made from Heavy Tin Plate, retinned and have special Globe Lift, and Heavy Rising Cone Tinned burners. All H.S.B.&C. Lanterns have extra large oil hole with brass screw cap set at such an angle that the lantern can be easily filled without removing globe. The large tinned bail is made to remain upright when desired. H.S.B.&C. Lanterns burn a clean and exceedingly white light. The flame is white to the very feather edge, and entirely free from smoke. All H.S.B.&C. Lanterns can be filled without removing globe.

H.S.B.&C. SUPREME

Large fount, burns 35 hours, extra heavy rising cone tinned burner, 1 in wick, No. 616 selected crystal globe, height 14 in.

BRIGHT TIN.

No. R162 H.S.B.&C.—Full half dozen case, per dozen $25.20

Bright Tin, Entirely RED ENAMELED.

No. R163 H.S.B.&C.—Full half dozen case, per dozen $27.20

POLISHED BRASS, Fount.

No. R165 H.S.B.&C.—Full half dozen case, per dozen $40.80

No. 165 H.S.B.&C.—Less than case, per dozen $40.80

HALF DOZEN IN A CASE WT PER DOZEN 37 LBS.

H.S.B.&C. MAMMOTH COLD BLAST

This lantern is truly the farmer's friend. The large fount and the perfect clean light, makes it require but little care, for which reason it is so popular, especially for a barn lantern.

Mammoth size, tin fount, full weight IX charcoal plate, retinned, burns forty-eight hours, No. 2 one inch wick, No. 2 selected crystal cold blast globe, No. 616, w't per doz. 40.

No. R192 H.S.B.&C.—Full half dozen case, per dozen $27.70

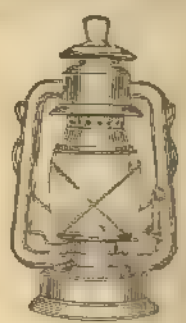
H.S.B.&C. COLD BLAST

Large size fount, burns 35 hours, extra heavy rising cone tinned burner, 1 in. wick, No. 2 selected crystal cold blast globe No. 611.

Tin, fount, full weight IX charcoal plate, retinned, w't per doz. 38 lbs.

No. R2 H.S.B.&C.—Full half dozen case, per dozen $25.20

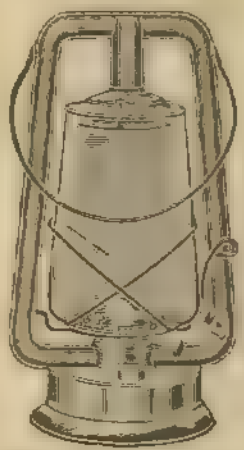
H.S.B.&C. JUNIOR SUPREME



A handy lantern of the Cold Blast Type, compact and light weight. Gives almost twice as much light as the ordinary lantern of No. 0 Tubular Type although using the same size wick. Burns 30 hours. Equipped with No. 618 globe and No. 0 ¾-inch wick.

No. R161—Per dozen w't 25 lbs., per dozen $18.90

ONE DOZEN IN A BOX
WE DO NOT BREAK BOX



H.S.B.&C. TUBULAR

Fount holds kerosene to burn thirty hours, extra size filler cap and screw, heavy steel burner, ⅞ inch wick.

With crystal globe No. 600, w't per doz. 28 lbs.

No. R242—Full dozen case, per dozen $15.70

No. R242½—Full half dozen case, per dozen $15.90

With Solid Ruby Globe.

No. R2423—Full dozen cases, per dozen .....$....

ONE DOZEN AND HALF DOZEN IN A CASE

H.S.B.&C. ORDINANCE

This lantern is made to meet the requirements of various state and city laws. Throws a strong, white light forward, and the rear signal is visible many hundred feet from the rear. This lantern is a necessary road protection against speeding automobiles. The flat steel holder is made extra strong and with a very long tongue so that the lantern cannot jar off. It is the modern road lantern.

RED ENAMELED, height 12½ in., corrugated bright tin reflector 2½ in., ruby lens rear signal, steel burner with ⅞ in. wick, bull's eye mounted on globe plate, crystal "Bantie" cold blast globe No. 610, extra strong steel side holder, w't per doz. 48 lbs.

No. R104 H.S.B.&C.—Full half dozen case, per dozen $37.20

No. 104 H.S.B.&C.—Less than case, per dozen $37.20

LANTERN GLOBES

COLD BLAST

Size 2, height 6¾ in., top 2¾ in., bottom 3 5/16 in., w't per doz. 14 lbs. Fit all styles, size No. 2 [illegible] and other standard Cold Blast Lanterns.

CRYSTAL GLASS

No. R611—Full one dozen box, per dozen $2.10
No. W611—In cases of 5 dozen, w't 70 lbs. .....per dozen $2.10

CRYSTAL GLASS, WITH BULL'S [illegible]

W't Per Doz. 14 Lbs.
No. R612—Full one dozen box, per dozen $4.00

RUBY GLASS

W't Per Doz. 14 Lbs.
No. R613—Full one dozen box, per dozen $6.30
No. W613—In barrels of 5 dozen, w't 65 lbs. .....per dozen $6.30

"BANTIE" COLD BLAST

CRYSTAL

These globes fit Bantie, Junior, Gem and other No. 1 Cold Blast Lanterns.

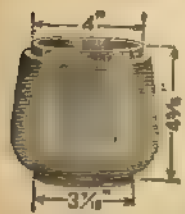
Height 5½ in., top 2¾ in. wide, bottom 2 13/16 in

No. R610—Full one dozen box, per dozen $2 00
No. W610—In cases of 5 dozen, w't 12 lbs. .....per dozen $2.00

CRYSTAL, WHITE BULL'S EYE

W't Per Doz. 12 Lbs.
No. R609—Full one dozen box, per dozen $4.00

COLD BLAST



Fits all makes of short globe cold blast lanterns, especially [illegible] supreme and No. 42 Dietz D'Lite, w't per doz. 13 lbs.

CRYSTAL GLASS

No. R616—Full one dozen box, per dozen $2.10
No. W616—In cases of 5 dozen, w't 65 lbs. .....per dozen $2.10

RUBY GLASS

W't Per Doz. 12 Lbs.
No. R617—Full one dozen box, per dozen $6.30
No. W617—In cases of 5 dozen, w't 65 lbs. .....per dozen $6.30

LITTLE WIZARD COLD BLAST

Crystal for Little Wizard lantern, size 3 13/16 in high, 3¼ in. top, 2 13/16 in. width at bottom.

No. R618—Full dozen boxes, per dozen $2.10

TUBULAR

No. 600.

No. 602.

TUBULAR, size 0, height 6 9/16 in., top 2 13/16 in., bottom 3 7/16 in., w't per doz. 12 lbs.

COMMON CRYSTAL

No. R600—Full one dozen box, per dozen $2.00
No. W600—In cases of 5 dozen, w't 60 lbs. .....per dozen $2.00

CRYSTAL BULL'S EYE

W't Per Doz. 12 Lbs.
No. R602—Full one dozen box, per dozen $4.50

SOLID RUBY

W't Per Doz. 14 Lbs.
No. R603—Full one dozen box, per dozen $5.80
No. W603—In full barrels of 5 doz., w't 70 lbs. .....per dozen $5.80

NO. 39 RAILROAD TYPE

Height 5 7/16 in., top 2¾ in., bottom 3 5/16 in., w't per doz. 14 lbs.

HEAVY SELECTED CRYSTAL [illegible]

No. R630—Full one dozen box, per dozen $2.40
No. W630—In full barrels of 5 doz., w't 75 lbs. .....per dozen $2.40

RED FLINT GLASS

No. R631—Full one dozen box, per dozen $6.00
No. W631—In full barrels of 5 doz., w't 80 lbs. .....per dozen $6.00

U. S. TUBULAR

For little star lantern, height 5¾ in., top 2 5/16 in., bottom 2 13/16 in., w't per doz. 11 lbs

No. R211—In full one dozen box, per dozen $2.00

EXTRA GLOBES FOR DIETZ "SCOUT" LANTERNS

No. R605—W't per doz. 5 lbs., per dozen $1.70

ONE DOZEN IN A CARTON. WE DO NOT BREAK CARTONS

TUBULAR LAMP

Size No. 3, height 10¾ in., top 5½ in., bottom 6 in., for tubular steel lamps, w't per doz. 90 lbs.

No. W622—Full ¼ dozen barrels, per dozen $15.60

Lamps & Lanterns

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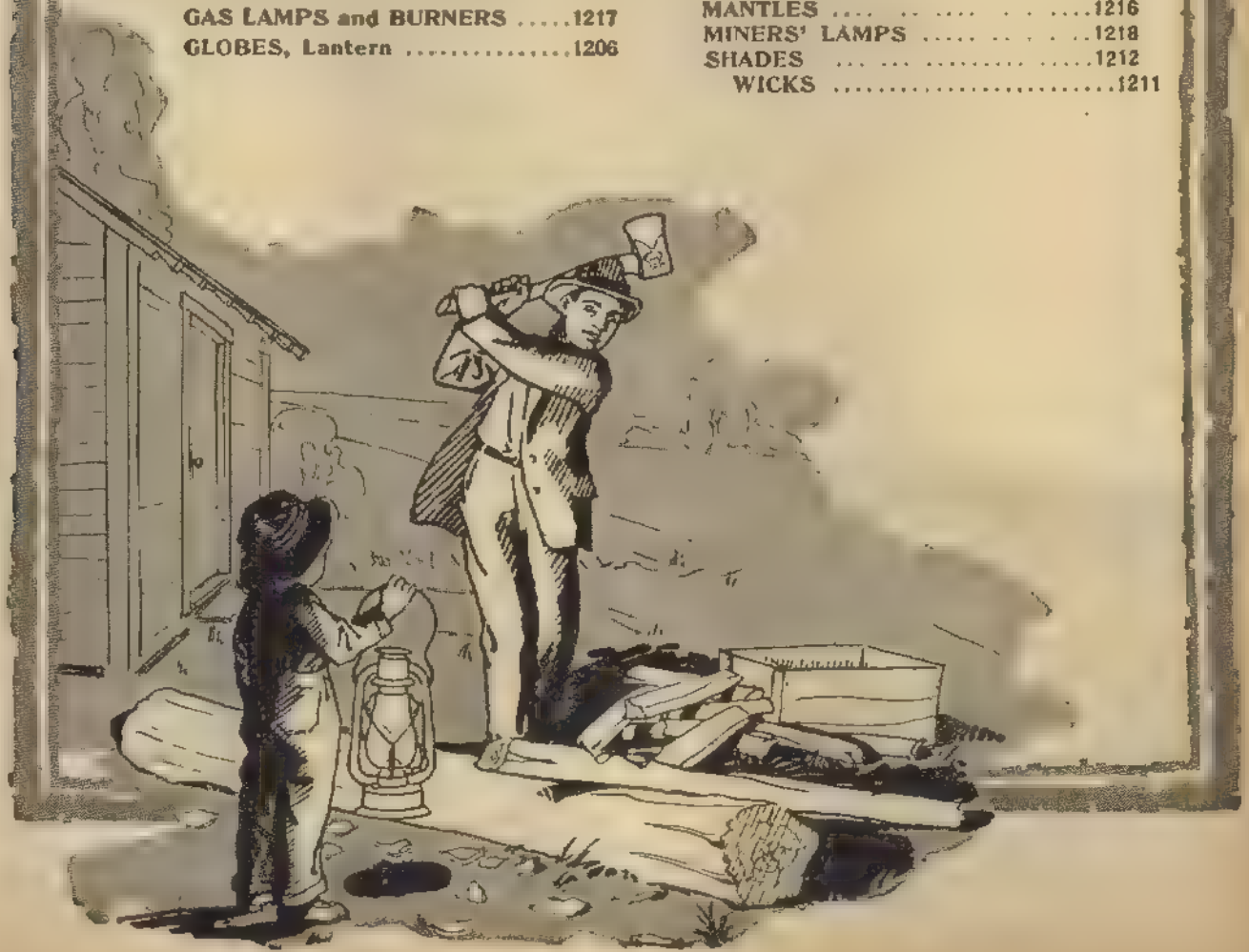
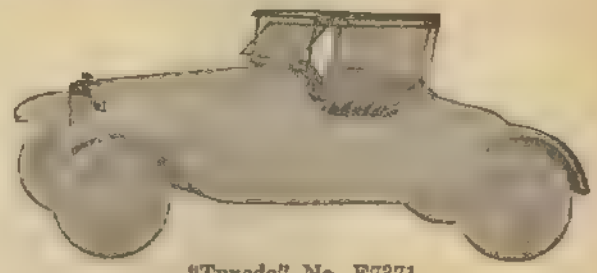


Prices on Application.

SPECIAL BODIES FOR FORD CARS

"Symphony" No. F7370.



"Tuxedo" No. F7371.

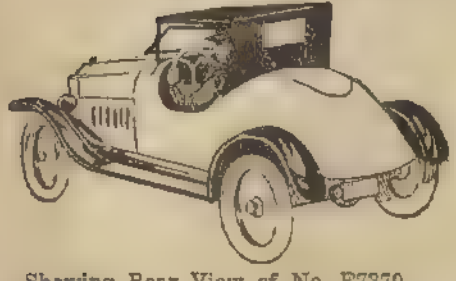
General Specifications:

Frame—Hardwood throughout, all joints properly made and securely fastened. Floor boards and dash furnished with all openings cut and wear plates furnished.
Body—22 gauge cold rolled body stock throughout.
Hood and Shell—22 gauge cold rolled body stock.
Top—Square type, collapsible, supported upon knock-down tubular frame; made of high grade pebbled finish top material; fitted with two-piece side curtains. Back of top and curtains equipped with square celluloid lights.
Windshield—Slanting, one piece, ventilating type. Glass set in rubber in standard rolled frame.
Upholstery and Cushions—Manufactured leather pebbled or straight grain finish. French pleated and fully stuffed.
Cushion—Wood frame with oil tempered coil springs, fully stuffed and covered.
Painting—Primer, color and varnish coats. Stock colors red and brewster green. Hood and shell black baked enamel or same color as body at our option. Other colors extra and at a delay of three weeks in shipment.
Fittings—All bodies are fully equipped with necessary bolts and plates for attaching without alteration. All openings are cut in dash and floor. Floor and brake lever plates furnished. Fender irons standard equipment. Running board, dust-shield, fenders, and radiator not furnished. Bodies are built to fit any model T Ford Chassis.
IMPORTANT—In ordering, advise whether body is for old or new style radiator. Failure to do so means delay and expense.

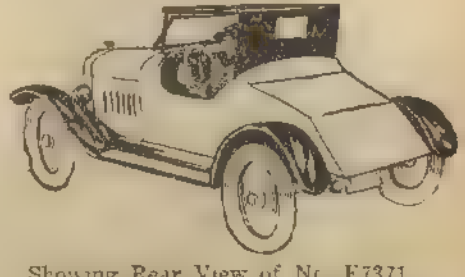
DETAILS OF SYMPHONY AND TUXEDO

Length overall, in.	120
Length overall, dash to back of cowl, in.	21
Length overall, dash to back of seat, in.	53
Extreme width of cowl, in.	37
Height of cowl from floor, in.	23
Height of seat from floor, in.	6
Height of back of seat, in.	22
Height of side of seat, in.	12½
Width of seat (outside measurement), in.	39
Width of seat (inside measurement), in.	36
Length, rear compartment bottom, in.	37
Width, rear compartment bottom, in.	37
Height, rear compartment bottom, in.	17
Size, rear compartment door, in.	17x36
Weight: crated, with top, windshield, hood and shell, lbs	270
Without top and windshield, lbs	250

Size of the crate, 94 in. long, 28 in. high, and 42 in. wide.



Showing Rear View of No. F7370.



Showing Rear View of No. F7371.

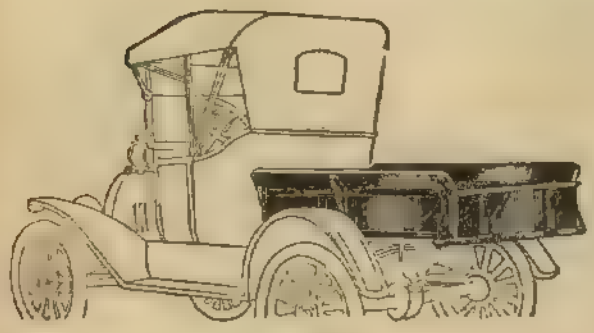
No. F7370—Symphony body complete—without top or windshield★ ..... each $163.00
No. F7370W—Symphony body complete—with windshield only★ ..... each 184.50
No. F7370TW—Symphony body complete—with top and shield★ ..... each 231.50
No. F7371—Tuxedo body—without top or windshield★ ..... each 120.00
No. F7371W—Tuxedo body—with windshield only★ ..... each 146.50
No. F7371TW—Tuxedo body—with top and shield★ ..... each 189.00

NOTE—Hood and shell of Tuxedo interchangeable with 1911 to 1926 Touring. Body alone without shell and hood purchased and applied to a standard model T chassis.

★ **Items Marked Thus ★ are Shipped from Factory Only.**

COMMERCIAL BODIES FOR FORD CARS AND CHASSIS

SLIP-ON BODY FOR ANY MODEL T FORD ROADSTER



No. F7601.

Width 33 in., height over all 12 in., 4½ in. hardwood flare boards, braced each side with 3 double steel braces, hardwood cross rails, painted black, w't crated 115 lbs.

No.	F7600	F7601
Length, in.	48	60
Each	$18.70★	20.00★

Bottom and cross rails put together ready to receive sides and ends. Sides, ends and flare rails packed flat, which takes low freight rate, easily bolted together.

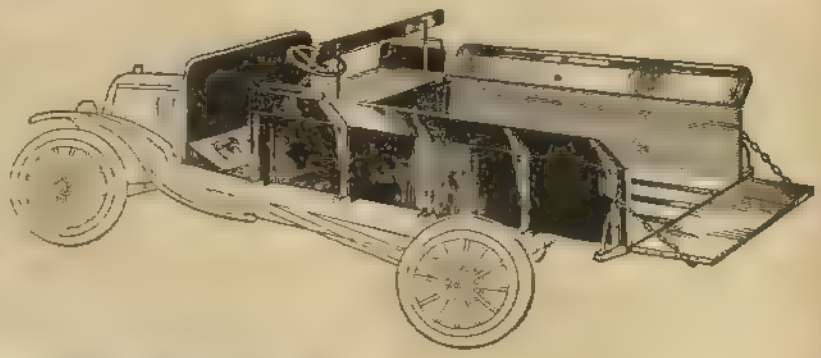
EXPRESS BODY FOR ANY MODEL T FORD CAR

Base put together ready to receive sides and ends, which are packed flat to insure low freight rate, complete with foot boards and full length lazy back. Dash not included.

No. F7602—Loading space 43x63 in., height over all 15 in., hardwood flare boards and cross rails, balance of body selected material, well ironed, flare board and bottom stripped with ware plates, adjustable chain end gate, painted black, well braced flare board, w't each crated for shipment 375 lbs.

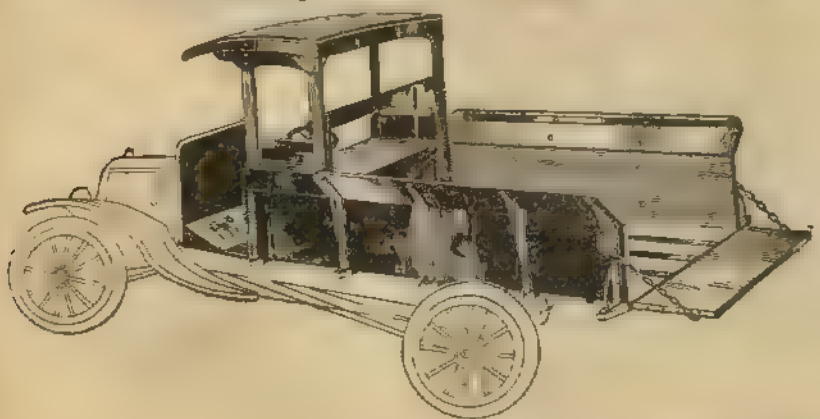
each★ $66.30

Cushion Extra★ ..... each 7.50



OPEN EXPRESS BODY WITH CAB

Base put together ready to receive sides and ends which are packed flat to insure low freight rate, complete with foot boards and full length lazy back. Dash not included.



No. F7603—Loading space 43x63 in., height over all, 15 in. hardwood flare boards and cross rails, balance of body selected material well ironed, flare board and body striped with ware plates, adjustable chain end gate, painted black, well braced flare board deck of cab covered with oil drill, hardwood posts well bolted together shipping w't 450 lbs.

each★ $91.30

Cushion Extra ..... each 7.50

★ Items Marked Thus ★ Are Shipped From Factory Only.

COMMERCIAL BODIES FOR FORD CARS AND CHASSIS

COVERED EXPRESS BODY FOR ANY MODEL T FORD CAR

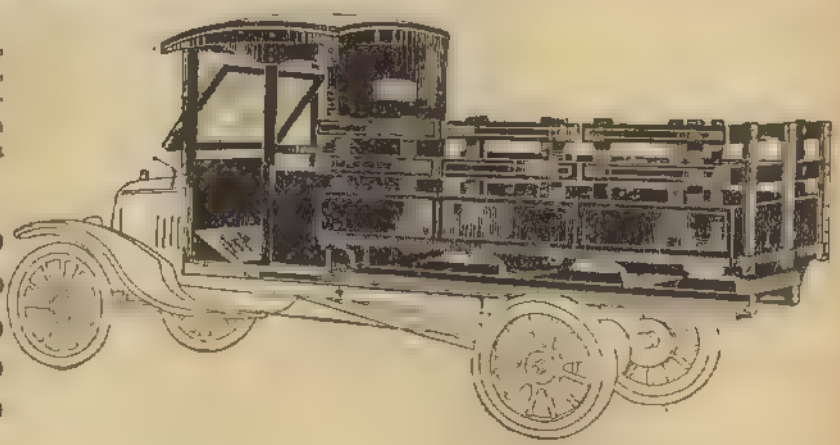
No. F7604—Loading space 48x63 in., height, over all 15 in., hardwood flare boards and cross rails, balance of body selected material well ironed, flare board and body stripped with ware plates, adjustable chain end gate, painted black, well braced flare board, top has six hardwood posts, steel braced both ways, top of deck covered with black oil drill. Five curtains, celluloid lights in curtains at sides of driver's seat and back curtain, all curtains oiled drill, black, shipping w't each 500 lbs., complete except windshield★ .....each $120.00

Windshield Extra★ .....each 31.30

Cushion Extra★ .....each 7.50

PLATFORM STAKE BODY FOR FORD TRUCK

Loading space 60x90 in., hardwood framing, well ironed and bolted to longitudinal sills, ware strips on platform, stake panels removable for use as platform truck body, glass both sides and rear of cab, one coat priming unless otherwise ordered. Shipping w't 900 lbs.



No. F7607 One coat priming★ each $175.00

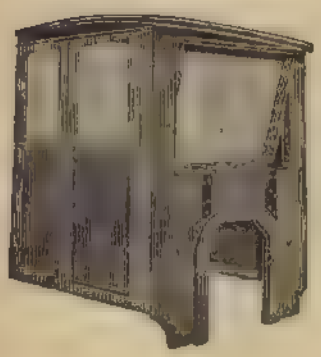
No. F7608 Fully painted black★ ea. 200 00

With enclosed Cab, No. F7609★ ea. 258.80

Windshield Extra★ .....each 31.30

Cushion Extra★ .....each 7.50

ENCLOSED CABS



No. F7609—Width 44 in, length 44 in., height 56 in., windshield adjustable in or out, door at right hand side, panel at left, both removable for warm weather, furnished with seat and heel board and padded back rest, glass in rear, one coat black priming unless otherwise ordered, w't each 300 lbs.★ .....each $156.30

Cushion, extra★ .....each 7.50
Can be fitted on any truck body where size is desirable.

Shipped knocked down to take low freight rate, easily set up, all holes drilled and bolts and screws furnished.

★ Items Marked Thus ★ Are Shipped From Factory Only.

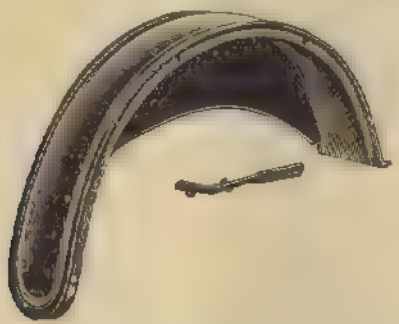
COMMERCIAL FENDERS
FOR FORD CHASSIS

When a Ford car is converted into a commercial car, a pair of these fenders are necessary as the fenders which are furnished with the Ford chassis will not allow a body to be put on. The fenders here shown are made of heavy gauge steel with two coats of lustrous black enamel, baked on. They match the front fenders and are easily attached. Two in a set.

Commercial fenders adapted for one ton Ford trucks, for use with all truck units and Smith Form-A-Trucks, extra heavy steel, two irons and apron, very rigid and strong.

No. F7431

1 pair to a crate, w't 33 lbs.★ .....per pair $6.00
5 pair to a crate, w't 135 lbs.★ .....per pair 5.80



This Fender is designed to be used on Ford trucks, wherever a Ford has been remodeled into a delivery car. Easily installed. Finished in black enamel to match the front fenders furnished with Ford cars.

No. F7430

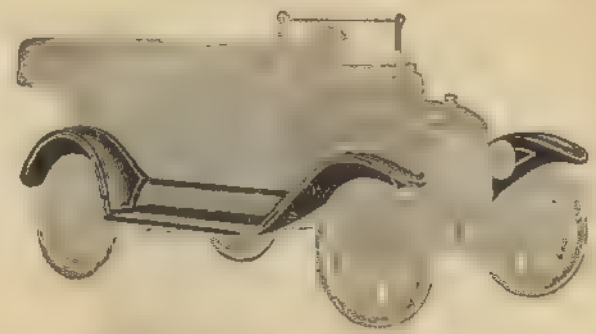
1 pair to a crate, w't 35 lbs.★ .....per pair $6 00
5 pair to a crate, w't 130 lbs.★ .....per pair 5 80

HOODS
—FOR FORD CARS—

Made of heavy gauge steel, finished with two coats of black enamel. Hood is of four-piece construction, hinged in center and on each side. This construction is in general use today and will last the life of the car. For all 1917 to 1921 Ford cars. Will change the appearance of a 1915-1916 Ford when used with our No. T7457 Radiator to that of a 1921 Model.

No. F7398—1721—1 pair to a carton, w't 22 lbs., each★ $6.00
No. F7399—5 pairs to a crate, w't 80 lbs., each★ 5.80

LAWCO INTERCHANGEABLE FENDERS



FOR 1917 TO 1921 FORD CARS

These Fenders are duplicates of the regular equipment on 1921 Ford cars and can be attached easily to all Models of 1917 and later. Made of the same gauge of material as used in the Ford Fender and finished with two (2) coats of high grade black enamel.

No. W7426—W't per set 85 lbs. .....per set $19.80

ONE SET IN A CRATE

RUNNING BOARD SHIELDS

The Shields are made to fit Ford cars manufactured from 1917 to 1921. Exact duplicates as furnished on 1921 cars, manufactured of heavy gauge steel finished in two coats of black enamel. These shields will fit all Model T Fords, 1911 to 1921 if our No. W7426 Fenders are used in connection with them on 1911 to 1917 Models.

No. W7427—1 pair to a crate, w't 31 lbs., per pair $6.70
No. F7428—5 pairs to a crate, w't 105 lbs., per pair★ $3.00

SHIPPING FACILITIES

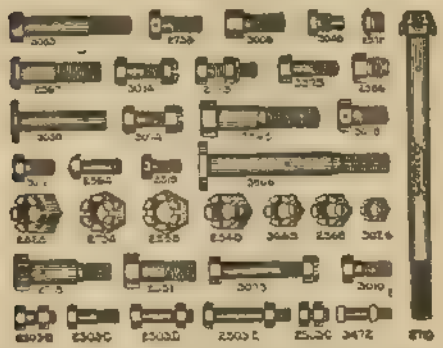
With our immense stock and very modern facilities for shipments we are enabled to fill orders with unequaled promptness. On some of the roads we have special through cars which enable us to reach distant points 24 hours ahead of shipments made in the regular way.

★ Items Marked Thus ★ Are Shipped From Factory Only.

REPAIRS FOR FORD CARS

REPAIR BOLTS AND NUTS FOR FORD CARS

Not Ford Manufactured.



Items listed below are made from high grade material, accurately machined and interchangeable with those used in the construction of Ford Cars. The numbers shown on cuts correspond with the same numbers used by the factory. Necessary items for repair shops and garages.

Stock No.		Per Doz.
2503GE	Axle Housing Bolt and Nut, 1 5/16 in.	$0.38
2519G	Differential Drive Gear Screw	.38
2548G	Radius Rod Nut	.48
2551G	Radius Rod Bolt	.24
2564G	Lever Clevis Pin	.24
2567G	Brake Shoe Support Bolt	.48
2568G	Brake Shoe Support Nut	.38
2578G	Joint Housing Plug	.48
2586G	D. S. Roller Bearing Housing Set Screw	.64
2598G	D. S. Castel, Nut	.70
2710G	Spindle Bolt	2.40
2718G	Spindle Connecting Bolt hardened	2.40
2729G	Ball Socket and Nut	.56
2734G	Front Radius Rod Nut	.48
2739G	Front Radius Rod Ball Cap Screw	.56
2828G	Rear Hub Lock Nut	.64
3003G	Cylinder Head Cap Screws	.56
3008G	Cylinder Head Outlet Connection Screw	.40
3010G	Cylinder Cover Bolt	.64
3011G	Cylinder Cover Cap Screw	.40
3014G	Cylinder Cover Crank Case Bolt and Nut	.56
3026G	Connecting Rod Bolt Nut	.48
3046G	Cam Shaft Bearing Set Screw	.56
3068G	Push Rod	1.40
3073G	Crank Case Arm Bolt and Nut "Side"	.64
3074G	Crank Case Arm Bolt and Nut "Top"	.56
3078G	Crank Case Front Bearing Screw	.40
3375G	Transmission Cover Screw	.36
3472G	Hub Brake Rod Support Bolt and Nut	.36
3966G	Fan Shaft	2.00
3968G	Fan Bracket Bolt	1.28

CONES AND BALL RACES —FOR FORDS—

For Front Wheels.

Made from the finest grade of open hearth cold rolled screw machine stock. Hardened by the process known as "pack hardened and retreated." This process produces a very hard wearing surface of great toughness. Cones and races are carefully polished and gauged for size.

No. 2704G—Stationary Cone	per dozen	$2.08
No. 2705G—Right Adjusting Cone	per dozen	1.44
No. 2706G—Left Adjusting Cone	per dozen	1.44
No. 2709G—Lock Washer for above Cones,	per doz.	.12
No. 2804G—Outer Ball Race	per dozen	1.44
No. 2805G—Inner Ball Race	per dozen	1.92
No. 2806G—Outer Ball Retainer	per dozen	.14
No. 2807G—Inner Ball Retainer	per dozen	.18
No. 2808G—Dust Rings	per dozen	.18

ONE DOZEN IN A BOX

STEERING GEAR BUSHINGS

No. 2713G—1 in. bore, spindle body bushing, per dozen $1.30

No. 2714G—9-16 in. bore, 1 in. long spindle arm bushing, per dozen $0.48

SPENCER AXLE AND DRIVE SHAFTS

Interchangeable, guaranteed to be correct as to size and workmanship and at least the equal of the factory product in every respect. They are accurately machined and ground and subjected to process inspection after each operation, as well as rigid final inspection, then carefully oiled to prevent rusting, and packed.

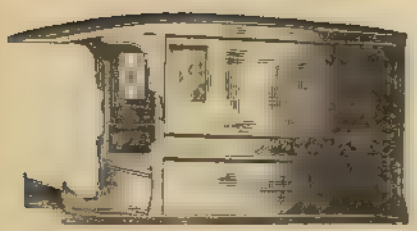
Exhaustive tests conducted by our metallurgical engineer have demonstrated that the addition of Molybdenum produces a steel combining strength with toughness to a greater degree than any alloy steel heretofore developed. In our decision to use Molybdenum steel exclusively for Spencer Shafts we considered above all else quality and mechanical perfection regardless of cost.

No. 2505G—Axle Shaft, for 56 in. only, w't each 8 lbs. each $2 00

No. T2595BG—Drive Shaft, w't 10 lbs. ..... each $4.50
LOOSE

COMMERCIAL BODIES FOR FORD CHASSIS

ENCLOSED BODY FOR MODEL T FORD



This Body is designed for Model T chassis Ford car. Very desirable for laundry, hardware, bakery, in fact, an all-purpose enclosed body. Well made and well ironed. Side and door panels are of Vehisote or built up wood panels and are water proofed -no sheet iron sides to rattle. Painted black only. Two rear doors with glass in top panel Loading space 43×60 in., 52 in. high.

No. F7610—W't each 600 lbs.★ .....each **$212.50**

STAKE BODY TO FIT ANY TRUCK

This body is designed for an all-purpose stake body. Made of hardwood—2 in. rail all around. Hardwood floor stripped with steel ware plates. Well made and well ironed.

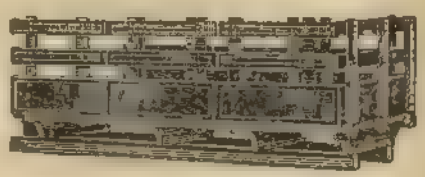
U-Bolts furnished for attaching to any truck.

No. F7611—60×90 in., **for Ford ton truck,** w't 575 lbs.★ .....each **$137.50**

No. F7612—72×108 in., **with floating sill for any truck,** w't 700 lbs., each★ **$200.00**

No. F7613—72×120 in., **with floating sill for any truck,** w't 875 lbs., each★ **$225.00**

No. F7614—72×144 in., **with floating sill for any truck,** w't 1025 lbs., each★ **$280 00**



FARMERS' GRAIN BOX BODY TO FIT ANY TRUCK

This body is designed for farmers' grain box, and when not in use for grain, side and end panels can be lifted off easily and platform body can be used for other purposes.

This body can also be furnished with stake panels, to use in place of the grain tight sides, at small additional cost.

This body is made of hardwood—2 in. rail all around. Hardwood floor stripped with steel ware plates. Well made and well ironed. Lower piece of endgate made to remove to dump grain. Side panels 30 in. high.

Made to stand up under hard usage.

U-bolt clips furnished to attach it to any chassis.

No. F7615—60×90 in., **for Ford ton truck.** w't 600 lbs.★ .....each **$160.00**

No. F7616—72×108 in., **with floating sill for any truck,** w't 725 lbs., each★ **$240 00**

No. F7617—72×120 in., **with floating sill for any truck,** w't 900 lbs., each★ **$260.00**

No. F7618—72×144 in., **with floating sill for any truck,** w't 1150 lbs., each★ **$310 00**

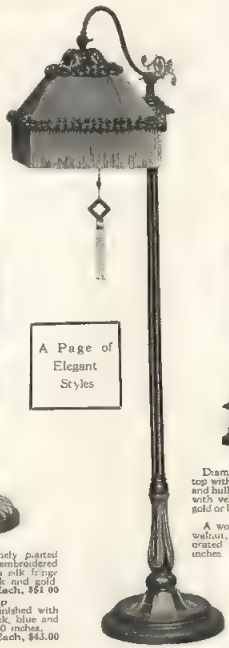
★ Items Marked Thus ★ Are Shipped From Factory Only.

Making the living room brighter!

The newest ideas of lampcraft in the most popular designs. The pull cords are not included with lamps. See page 8 for price of cords

2008 Shade
Diameter, 26 inches. Finely pleated georgette top with silk lining, embroidered open banding, double 8-inch silk fringe and valance. Colors: Black and gold, blue or rose. **Each, $51.00**

2009 Floor Lamp
Hand carved, gold leaf, finished with beautiful decorations of black, blue and gold. Weighted. Height, 60 inches. **Each, $43.00**



A Page of Elegant Styles

2014 Shade
Fancy oval 14-inch. Covered with pleated georgette crepe, lined and interlined with silk, ruching around the border 4-inch two-tone double silk fringe. Colors: Black and gold, blue or rose. **Each, $12.00**

2015 Base
Made of solid walnut in dusty finish and decorated in polychrome—makes a very effective lamp to place alongside of a large, comfortable chair. **Each, $35.00**

2006 Shade
Diameter, 26 inches. Silk brocaded top with silk lining and double 6-inch silk and bullion fringe with valance. Trimmed with velvet ruching. Colors: Black and gold or blue and gold. **Each, $44.00**

2007 Junior Base
A wonderful creation. Made of solid walnut, hand carved and beautifully decorated in dull polychrome. Height, 28 inches. **Each, $52.00**

2024 Bridge lamp shade
Diameter, 14 inches. Alternate panels of georgette sunbursts and brocaded silk. Silk lining with double silk 6-inch fringe and valance. Color: Black and gold. **Each, $21.00**

2025 Bridge lamp base
Made of solid American walnut or solid mahogany with dull polychrome decorations. Hand carved. Height, 71 inches. **Each, $42.00**

2018 Oval shade
Silk brocaded top with silk lining, double 8-inch silk fringe with silk valance. Color: Black and gold. **Each, $42.00**

2019 Floor lamp
Blue and gold finish, gold leaf, hand carved. Height, 60 inches. Weighted. **Each, $28.00**

1019 Shade
Cleverly designed shade for this particular base. Each side is made of an 8-inch aurburst. Color: Gold with black trim. **Each, $6.40**

1020 Base
This novelty boudoir base is made of wood 14 inches high, very tastily decorated in blue, gold and black. **Each, $6.30**

1021 Shade
Tinsel braid top with silk mull lining. Diameter, 11 inches. Colors: Rose or gold. **Each, $4.70**

1022 Base
Wood base, 14 inches high. Metal leaf and black finish. An ideal lamp for a desk, dresser or night table. **Each, $5.00**

Lamps that add a quiet, refined [illegible]ce to the room

A Lamp of which to be proud

2020 Silk shade
Diameter, 24 inches. Georgette top. Silk interlining, lining and skirt. Trimmed with antique galloon and braid. 6-inch silk fringe. Colors: Taupe, blue or rose.
Each, $40.00

2021 Junior base
Made of solid American walnut or mahogany, dull finish, decorated with soft artistic coloring of polychrome. Height, 58 inches.
Each, $42.00

2022 Shade
Diameter, 24-inch. All-over lace and puffed georgette panels, silk lining and double 6-inch silk fringe. Colors: Black and gold.
Each, $50.00

2023 Floor lamp base
Hand carved and very beautifully finished in gold leaf with black and gold stippled. Weighted. Height, 60 inches.
Each, $27.00

2074 Silk shade
Diameter, 12 inches. Georgette top. Silk interlining, lining and skirt. Trimmed with antique galloon and braid with flower band. 6-inch silk fringe. A very beautiful shade. Colors: Black and gold, blue or rose.
Each, $17.00

2075 Bridge lamp base
Made of solid mahogany in dull finish, decorated with artistic polychrome colorings. Height, 52 inches.
Each, $43.00

2012 Shade
Diameter, 18 inches. Georgette and lace panels with silk lining and tinsel banding, double 6-inch silk and bullion fringe. Color: Taupe over rose.
Each, $32.00

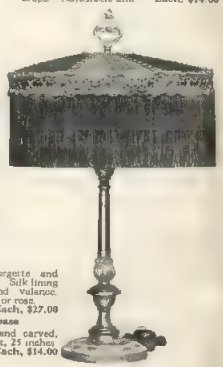
2013 Table lamp base
An unusual design, carried out with a marble finished base and metal leaf decorated standard.
Each, $15.00
This is without doubt the best looking table lamp outfit we are offering

2035 Oval shade
Diameter, 26-inch. Shirred georgette top with silk lining with a heavy silk fringe and tassels over valance. Colors: Black and gold, blue or mulberry.
Each, $52.00

2037 Floor base
Black and gold, metal leaf, hand inlaid decorated effects. Weighted. Height, 61 inches.
Each, $23.00

2032 Shade
Diameter 12 inches. Stretched georgette over silk and trimmed with picot edge ruching. Color: Black and gold.
Each, $13.50

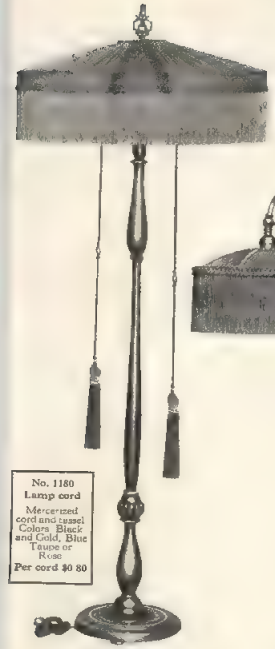
2033 Base
Made of wrought iron, tastily colored and ornamented with colored glass teardrops. Adjustable arm.
Each, $14.00



2048 Shade
16-inch round. Has georgette and embroidered panels alternate. Silk lining and 6-inch silk fringe and valance. Colors: Black and gold, blue or rose.
Each, $27.00

2049 Table lamp base
Black and gold finish, hand carved, goldleaf. Weighted. Height, 25 inches.
Each, $14.00

Popular lamps



No. 1180
Lamp cord
Mercerized cord and tassel Colors Black and Gold, Blue Taupe or Rose
Per cord $0 80

2307 Shade
Diameter 24 inches. Shirred silk in good quality with heavy 6-inch fringe. Colors: Blue, rose or gold.
Each, $11 50

2308 Junior lamp base
Weighted base and piped throughout. Made with same care as our higher priced styles. Finished in antique gold and black. Height, 58 inches
Each, $13.00

2050 Shade
Fancy oblong, 10x14 inches. Covered with double stretched georgette crepe, lined and interlined with silk. Trimmed with silk and gold galloon and gold braid panels 6-inch silk fringe and valance. Colors: Black and gold or rose.
Each, $13.00

2061 Bridge lamp base
Hand carved, black and gold, stippled gold leaf finish. Height, 56 inches. Weighted base.
Each, $23.00

2062 Oblong shade
Size 14x17. Silk top lined with silk, trimmed with gold and silk banding. 4-inch silk fringe and silk valance with picoted edge. Colors: Rose or blue.
Each, $14.00

2063 Table lamp base
Mahogany finish, hand rubbed and polished Height, 22 inches. Each, $7 00

2030 Shade
Fancy oval, 14 inch Covered with shirred silk and lined with silk Trimmed with silk banding around border with a collar of ruching, silk valance and 6-inch silk fringe Colors Taupe, blue or rose. Each, $9.50

2031 Reading lamp base
Hand carved Black and gold metal leaf finish Height, 53 inches
Each, $23.00

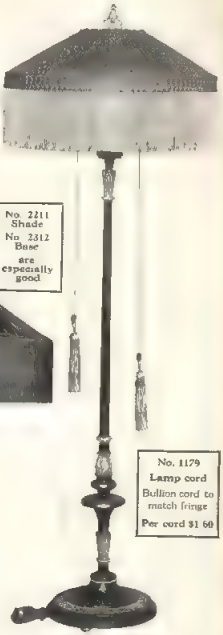
No. 2211
Shade
No. 2312
Base
are especially good

2058 Silk shade
Diameter, 12 inches. The top is covered in Cheney silk and finished with a heavy silk fringe Colors: Black and gold, blue or rose.
Each, $6.00

2059 Reading lamp base
Beautiful gold, polychrome, hand stippled finish with black trimmings Height, 52 inches. Weighted base.
Each, $13.00

2057 Shade
Tinsel, embroidered, net top, silk lining with 3-inch silk fancy bullion fringe Diameter, 16 inches. Colors: Blue or black and gold
Each, $21 50

2068 Table lamp base
Height, 21 inches. Hand carved, gold leaf, blue and gold finish Weighted
Each, $9.50



No. 1179
Lamp cord
Bullion cord to match fringe
Per cord $1 60

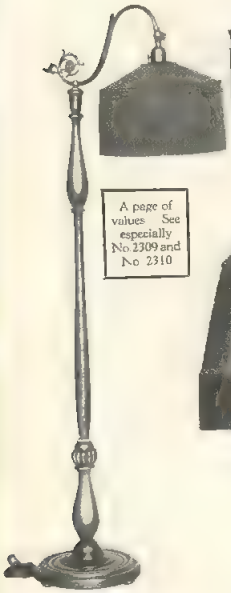
2311 Silk shade
20-inch round, very carefully made with shirred georgette top and heavy metal bullion fringe A beautiful shade. Colors: Blue, rose or taupe.
Each, $23.50

2312 Junior base
Finished in the popular dull walnut and decorated in slight polychrome A base that is in very good taste Height, 58 inches. Each, $27.50

Lamps of metal and wood

Note the unusual shapes and styles of shades

A page of values See especially No 2309 and No 2310

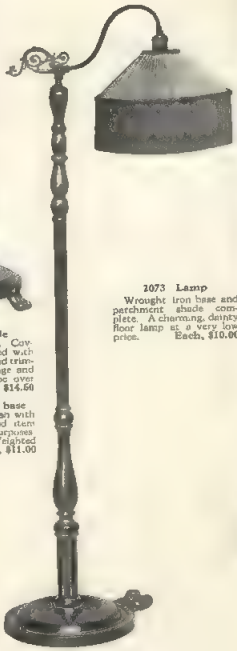


2309 Oval shade
Size 14x9½ inches Top covered with a good quality mercerized georgette and heavy silk fringe A most unusual value. Colors blue, taupe or rose.
Each, $7.00

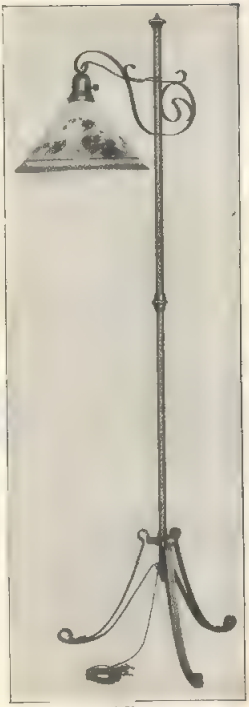
2310 Bridge base
Weighted and piped throughout. A high grade lamp at an extremely low price Finish Black and gold antique
Each, $13.00

2056 Oval Shade
Diameter 24 inches. Covered with silk and lined with sateen with a fancy braid trimming. 6-inch silk fringe and valance. Color Taupe over rose.
Each, $14.50

2057 Junior lamp base
Plain mahogany finish with 3 metal feet A good item for special sale purposes Height, 24 inches. Weighted base.
Each, $11.00



2073 Lamp
Wrought iron base and parchment shade complete. A charming, dainty floor lamp at a very low price.
Each, $10.00



2073

2038 Shade
Diameter, 14 inches Georgette plaited top with a silk lining and interlinging. Trimmed with antique gold banding and braid with double 6-inch silk fringe. Colors Black and gold or blue.
Each, $32.00

2039 Floor lamp base
Hand carved, black and gold metal leaf finish, trimmed with blue Height, 61 inches.
Each, $30.00

1023 Lamp
Metal base, 22 inches high, finished in a beautiful orange gold with an 18-inch amber glass shade
Each, $21.00

2058 Silk shade
Diameter, 12 inches The top is covered in plain silk and finished with a heavy 6-inch silk fringe. Colors Black, blue or rose
Each, $6.00

2077 Bridge lamp base
A high grade hand-rubbed mahogany finish. It is high lighted with rich, dull colorings at the bands
Each, $15.00

1024 Lamp
Metal base, 22 inches high; carefully finished in combination of green and copper Shade is 18 inches wide, fitted with amber glass panels.
Each, $28 00

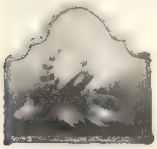
Charming wall and floor lamps

The Wall Ette, Lamp Ette and Floor Ette are very artistic, yet the most practical electric lamps produced.

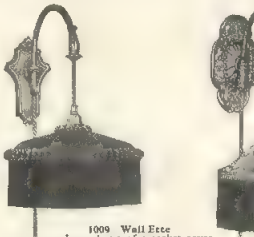
The Wall Ette is hung from a wall as is a picture. The light and shade are suspended from a rich silk rope and may be adjusted to any height.

The Floor Ette has all the charm of the most beautiful bridge lamps. The wiring is concealed in a silk rope which holds the light and shade. The shade arm may be swung to any position and the light and shade raised or lowered as desired.

The Lamp Ette is a portable lamp that both beautifies and serves.

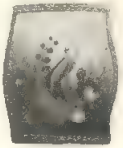


1008 Shield
1 light; width, 6¼ inches. An attractive hand decorated parchment shield square sides. Each, $3.70



1009 Wall Ette
Is made up of a socket cover, husk, 12-in arm attached to an ornamental wall plate, with a silk wire rope and metal tassel with silk cord and plug. The design is handsome and artistic. No wiring required, ready for hanging to the wall like a picture. It is equipped with 7-ft silk cord which connects with the end of the cord supporting the light and shade. This number is furnished regularly in old ivory and old gold. Wall plate and arm with silk rope to harmonize. Special finishes, antique gold or antique silver will be furnished at 20 per cent additional cost. Each, $20.00

1010 Wall Ette
Has the same characteristics as Wall Ette No. 1009 excepting that the wall plate is of different design. This is a very popular number. Furnished regularly in old ivory or old gold. Special finishes, antique gold or antique silver, will be furnished at 20 per cent additional cost.
The Wall Ette, unlike permanently attached wall bracket fixtures, may be hung on the wall to fit the furniture. Each, $20.00

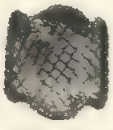


1011 Shield
1 light; width, 5¾ inches. Ova shield especially good for Lamp Ettes, candlesticks and wall lights. Each, $3.20

2004 Floor Ette
The stand is made of decorated wrought iron, finished in gold leaf and black with polychrome trimmings. The solid metal stem is twisted near the center to add gracefulness to the lamp. The top is capped with a jewel and the arm is decorated. The rich silk rope and pendant harmonize. The arm may be turned in any direction and the light and shade raised or lowered to any position. This is a very graceful and beautiful number.
Complete with silk cord and plug, shade extra.
Each, $50.00

2003 Shade
Silk brocaded top with silk lining and 6-inch silk fringe. Colors: Rose, blue or black and gold. Each, $20.00

1016 Round shade
4¾ inches diameter, covered with good quality georgette with silk lining and interlining. Good for use on candlesticks, lamp ettes and lighting fixtures.
Colors, Taupe over rose, blue over rose. Each, $2.80



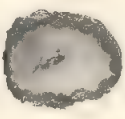
1016 Shield
1 light, width, 4¾ in. Metal over silk, giving a very neat effect. Colors: Taupe or blue.
Each, $2.20

1013 Lamp Ette
A beautiful lamp attached to a rich silk brocade braid at the other end of which is an ornamental plaque to act as a counterweight—that is the Lamp Ette. It drapes scarf-fashion over the chair or head of the bed.
Lamps are carried regularly in old gold finish with gold braid and in old ivory finish with the following braids: Rose or blue.
Complete with silk cord and plug, shades extra. $11.50

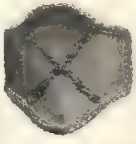
1012 Ovai shade
Shirred georgette top, lined with silk, beaded edge. Colors, Rose, blue or black and gold. Each, $4.80

2016 Floor Ette
A richly hand carved wooden base and ornamented stem and arm. Finished in gold leaf and black with polychrome trimmings. Stem is capped with a jewel. Silk rope and pendant to match.
The arm may be swung to any position and the light and shade raised or lowered to any height. Electrical connections are made by means of an extra length silk cord and plug which are a part of all Floor Ettes. Wiring is concealed in the silk rope. Shade is extra.
Each, $50.00

2005 Shade
Pleated silk top lined with silk. Has 6-inch silk fringe and valances, trimmed with runching. Colors: Rose, blue or black and gold. Each, $21.00



1017 Shield
1 light; width, 5 inches. Plain silk artistically trimmed with metal braid. Colors: Taupe or rose. Each, $1.60



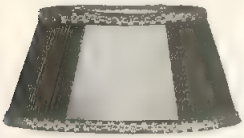
1018 Shield
1 light; width, 5½ inches. Covered in good grade georgette silk over plain silk and trimmed with braid as illustrated. Colors: Rose or blue. Each, $3.50

Lustre glow shades

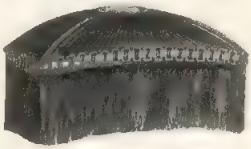
The first real departure in years—with these you may buy the lustre shades ready to cover—with georgette, braid and fringe. A simple and inexpensive way of having a beautiful shade. We price them, untrimmed and trimmed, as shown. Always state what style lamp to be used with as we furnish any style fitted for reading, bridge, floor, table and boudoir lamp.

All shades shown on this page can be had in either gold or rose lustre lining.

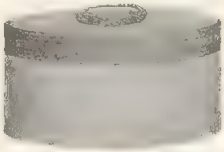
All georgette tops can be had in the following colors: Black, tan, rose, and blue.



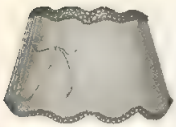
6126 14 in. oval bridge shade, pleated georgette top, with gold net in center panels. Each, $15 00
6126A This shade in gold or rose lustre Untrimmed. Each, $6.00



61200 14 in. oblong bridge or table shade, pleated georgette, 5 in. silk fringe, fancy braid trimming. Each, $18.00
61200A This shade Untrimmed. Each, 4.00



6127 14 in. flat oval bridge shade, georgette top, 6 in. heavy fringe silk apron, antique galoon and ruching trimmed. Each, $20.00
6127A This shade Untrimmed. Each, 8 00

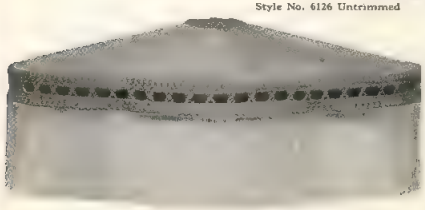


6128 10 in. oval candle shade pleated georgette top, braid and ribbon bow trimming Each, $ 9 00
6128A Same style in 12 in. size Each, 10.50
10 in. Untrimmed. Each, 3 00
12 in. Untrimmed. Each, 3 30

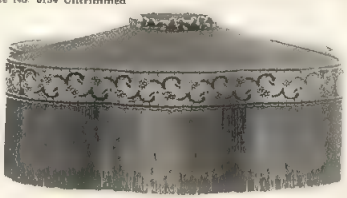
Style No. 6130 Untrimmed
Style No. 6126 Untrimmed Style No. 6134 Untrimmed

6129 12 in. six-sided table shade, shirred georgette top, velvet and braid trimmed. Each, $10 50
Same style in 10 in. size Each, 9 00
6129A 10 in. Untrimmed. Each, 3 00
6129B 12 in. Untrimmed. Each, 3.75

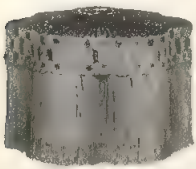
For trimming we can furnish lamp fringe in any color desired
5 inch length, yard $1 20
6 " " yard $1.45



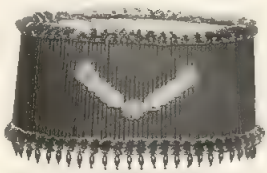
6130 24 in. fancy oval floor shade pleated georgette top, heavy 6 in. fringe, silk apron, antique gold braid, with velvet ribbon trimmed Each, $36.00
6130A This shade Untrimmed. Each, 9.00



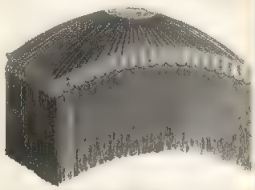
6131 22 in. fancy oblong floor shade, plain georgette top, heavy 6 in. fringe, silk apron, fancy cut out colored braid. Each, $38.00
6131A This shade Untrimmed. Each, 9.00



6132 12 in. fancy round bridge shade, pleated georgette top, 6 in. silk fringe and apron, white gold braid trimmed Each $16.00
6132A This shade Untrimmed. Each, 4.80



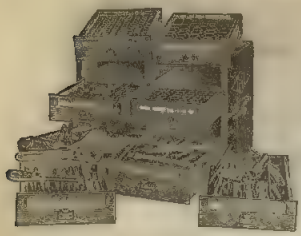
6133 16 in. oval table shade pleated georgette, wooden bead fringe and ruching trimmed, fancy gold ornament on both sides Each, $28 00
6133A This shade Untrimmed. Each, 6 00



6134 14 in. bridge or table shade pleated georgette top, heavy 6 in. silk fringe and apron, fancy braid trimmed. Each, $20 00
6134A This shade Untrimmed. Each, 4 00

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE

SOCKET WRENCHES
MOSSBERG



An Assortment of Sockets and Handles Made Up from a Year's Record of Sales, and the Quantity of Each Unit is in Different Proportions to its Demand; Empty Kits are Included for Containers of Special Sets Made Up From This Stock.

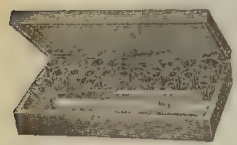
Chest is a Beautifully Finished Store Fixture, Made of Selected Chestnut, with Eight Drawers; Size 17 inches Long, 24 inches Wide, 16½ inches Deep.

CONTENTS

300—Pressed Steel Sockets, Assorted Sizes.
21—Pressed Steel Spark Plug Sockets, Assorted Sizes.
4—No. 350 Reverse Ratchet Socket Handles.
4—No. 355 Ratchet Handles.
4—No. 322 Double End Offset and Vertical Handles.
4—No. 340 Take-Down T Handles.
4—No 336 Universal Joints.
4—No. 351 Extension Tubes.
5—Canvas Rolls.
Circulars for Advertising Purposes.

Per Set

No. M300—Complete, with Full Assortment, All Rust Proof Black Finish, and Chest; Weight per Set, 130 lbs **$148.50** 99.00
One Set in a Wooden Case

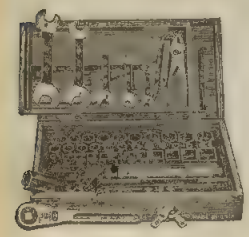


AUTO CLE LARGE SIZE

The Large Auto Cle Set Consists of the Following: 1 Take Down Reversible Ratchet Handle, Nickel Plated; 1 Swivel or Universal Joint Which Permits Using the Wrench at Any Angle; 1 9½ inch Extension Bar; 1 1¾ inch Extension Bar; 1 Offset Screw Driver.

Per Set

No. LAC—In a Wooden Case with 31 Sizes of Pressed Steel Sockets; Weight per Set, 9 lbs.....**$17.30** 11.50
One Set in a Wooden Case



This is the Latest and Most Complete Socket Wrench Set on the Market.

Handles for Every Kind of Difficult Approach. Sockets to Fit Every Possible Size Between ⅛ and 1⅛.

The Set Consists of: 1 Ratchet Wrench No. 350; 1 No. 330 Take-Down Handle; 1 No. 320 Offset Socket Wrench; 1 Extension Bar No. 351, 10 inches Long; 1 Plier; 1 S. A. E. Service Set—Double End Wrenches, Full Finish; 1 Universal Joint; 3 Special Spark Sockets, Sizes ⅞, 13/16, 1⅛ inch, 1 Double End Offset Screw Driver, 1 Cotter Pin Extractor, 23 Sizes, Pressed Steel HEX Sockets; 11 Sizes, Pressed Steel Square Sockets.

Per Set

No. M14—In a Wooden Case with 37 Sizes of Pressed Steel Sockets; Weight per Set, 17½ lbs **$23.50** 15.00
One Set in a Wooden Case

SOCKET WRENCHES
MOSSBERG

Almost Invaluable for Motor Truck and All Heavy Work. All Tools Rust Proof Black Finish.

CONTENTS

1 Reversible Ratchet Handle, 18 inches Long.
1 Offset Handle, 15 inches Long.
1 Extension Tube, 10 inches Long.
1 Universal Joint.
1 Connection Bushing (For Use with Small Series Sockets.)
9 Heavy Duty Pressed Steel, Hexagon Sockets.

Per Set

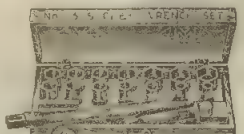
No. M18—Weight per Set, 20¼ lbs **$28 50** 19 00
One Set in a Wooden Case

The Set has the Special Quick Action Mossberg Handle and is a Very Efficient Set for Garage or Individual Equipment.

Mossberg Ratchet Handle No. 330 1 Extension Bar; 1 Universal Joint; 1 Double-End Offset Screw Driver; 19 Properly Hardened, Pressed Steel Sockets; 2 Special Hexagon Spark Plug Sockets; 4 inch Long; 29-32 inch 1⅝ inch Opening Fitting Standard Spark Plugs.

Per Set

No. M10—In a Wooden Case; with 21 Sizes of Pressed Steel Sockets; Weight per Set, 7¾ lbs.....**$12.40** 8.25
One Set in a Wooden Case



For Hexagon Nuts Only; Contains All the Important Hexagon Sockets, Including Spark Plug Sockets, Extension Bar and the No. 355 Mossberg Ratchet Handle; 15 Rust Proof Black Finish, Thoroughly Hardened, Pressed Steel Sockets.

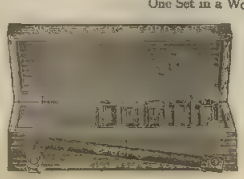
Per Set

No. M13—Weight per Set, 5 lbs. .....**$8.00** 5.3(
One Set in a Wooden Case

Made Exclusively for Ford Cars and Completely Covers All Adjustments that are to be Found on These Machines, Set Contains: Mossberg No. 355 Ratchet Socket Wrench; Tubular Extension Tube; Universal Joint; Double End Offset Screw Driver, Ten Pressed Steel Sockets, Fitting Standard Size of Screws, Nuts and Bolts.

Per Set

No. M30—Weight per Set, 4¾ lbs.....**$7.90** 5.25
One Set in a Wooden Case



FIVE SOCKET SET

Five Sizes of Sockets that Fit Nuts Which Need Most Adjustment on Ford Cars, Complete with Quick Action Double End Handle; Recommended for a Compact Set for General Use. Finish: Burnished Nickel.

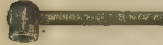
Per Set

No. M33K—Weight per Set, 2½ lbs.....**$2.10** 1.35
One Set in a Wooden Case

FORD CAR WRENCHES
MOSSBERG

Main Bearing Bolt Wrench. Made For One Particular Job of One Piece of Heavy Forged Steel to do that Job—the Adjustments of Main Bearing Bolts. Opening: 9/16 inch Square.

Each
No. M622—Length Over All 10¼ inches; Satin Nickel Finish..... **$1.35** .90
Six in a Carton; Weight 9 lbs.



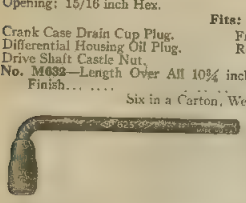
Drive Shaft Castle Nut Wrench. Made of ⅝ inch Extra Heavy Steel Bar, Socket Dome Top with Short Clearance.

Opening: 15/16 inch Hex.

Fits:

Crank Case Drain Cup Plug.
Differential Housing Oil Plug.
Drive Shaft Castle Nut.
Front Spring Perch Nut.
Rear Hub Lock Nut.

Each
No. M623—Length Over All 10¾ inches; Satin Nickel Finish..... **$1.10** .75
Six in a Carton; Weight 7¼ lbs.

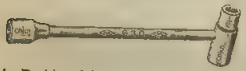


⅜ inch Cap Screw Wrench; Made of ½ inch Heavy Steel Bar, Socket of Indestructible Type. Opening: 9/16 inch Hex.

Fits:

Ball and Socket Bolt and Nut
Battery Bracket-to-frame Bolts and Nuts
Brake and Reverse Support Bolts and Nuts.
Cam Shaft Bearing Set Screws.
Carburetor Flange Nut.
Carburetor Nuts (Holley Model N. H.)
Clutch Lever Screw and Nut.
Clutch Release Fork Clamp Screw.
Commutator Case Support Bolt (1919 and Previous).
Crank Case and Cylinder Cover Cap Screws.
Crank Case Arm Bolts and Nuts (Side and Top).
Crank Case Bolts and Nuts.
Cylinder Cover Bolts and Nuts.
Cylinder Front Cover Cap Screws.
Cylinder Front Cover Cap Screw (Starter Type).
Cylinder Valve Cover Nuts.
Engine Base Bolts and Nuts.
Fan Adjusting Screw.
Front Pender Iron Bolt and Nut (Side and Bottom).
Inlet and Exhaust Clamp Stud and Nut.
Magnet Bolts.
Muffler Head-to-frame Bolts and Nuts.
Radiator Stud and Nut.
Radius Rod Ball Cap and Nut.
Steering Post Bracket Bolts and Nuts.
Steering Yoke Clamp Bolt and Nut.
Transmission Cover Bolts.
Universal Ball Cap Bolts.
Windshield Hinge Bolt Nuts.

Each
No. M625—Satin Nickel Finish; Length Over All 7¼ inches; Offset 2 inches..... **$0 70** .48
One in a Carton; Weight ½ lb.



Cylinder Head Screw and Rear Axle Housing Nut Wrench Especially Designed for All Cylinder Head Cap Screws (Including Those Hard to Get At Under the Dash) and Rear Axle Housing Bolts and Nuts. Made of ⅜ inch Heavy Steel Bar.

Fits:

1/2 inch Opening

Coil Box Nuts.
Controller Shaft Bracket Bolt and Nut
Crank Case Lower Cover Cap Screws.
Dash Bracket-to-dash Bolt and Nut
Differential Drive Gear Screw.
Front and Rear Spring Retaining Clip Bolt.
Horn Bolts and Nuts.
Muffler Rod Nut.
Rear Axle Housing Bolts and Nuts.
Running Board Bolts and Nuts.
Steering Tubing Flange Screw and Nut.
Tire Holder Bracket-to-body Bolt and Nut.

5/8 inch Opening

Commutator Case Support Bolt (Starter Type).
Connecting Rod Cap Bolts and Nuts (Except No. 4).
Cylinder Front Cover Cap Screw (Starter Type).
Cylinder Head Cap Screws.
Cylinder Water Inlet and Outlet Connecting Screws.
Demountable Rim Lug Nut.
Drive Shaft Roller Bearing Housing Set Screw (1920 and Previous).
Drive Shaft Roller Bearing Stud and Nut.
Time Gear Cover (Starter Type).

Each
No. M630—Length 9½ inches; Satin Nickel Finish..... **$1.00** .67
Twelve in a Carton; Weight 8¼ lbs.

FORD CAR WRENCHES
MOSSBERG

Double End Utility Wrench

The Two Sizes of Sockets on this Wrench Show the Largest Number of Adjustments Possible of Any Wrench Combinations. Made of ⅛ inch Heavy Steel Bar. Sockets Round for Clearance.

Fits:

9/16 inch Hex.

Ball and Socket Bolt and Nut.
Battery Bracket-to-frame Bolts and Nuts.
Brake and Reverse Support Bolts and Nuts.
Cam Shaft Bearing Set Screws.
Carburetor Flange Bolt Nut.
Carburetor Nuts (Holley Model N. H.)
Clutch Lever Screw and Nut.
Commutator Case Support Bolt (1919 and Previous).
Crank Case and Cylinder Cover Cap Screws.
Crank Case Arm Bolts and Nuts (Side and Bottom).
Crank Case Bolts and Nuts.
Cylinder Cover Bolts and Nuts.
Cylinder Front Cover Cap Screws
Cylinder Front Cover Cap Screw (Starter Type)
Cylinder Valve Cover Nuts.
Engine Base Bolts and Nuts
Fan Adjusting Screw.

9/16 inch Hex.

Front Fender Iron Bolts and Nuts (Side and Bottom).
Inlet and Exhaust Clamp Stud and Nut.
Magnet Bolts.
Muffler Head-to-frame Bolts and Nuts.
Radiator Stud and Nut.
Steering Post Bracket Bolts and Nuts.
Steering Yoke Clamp Bolt and Nut.
Transmission Cover Bolts
Universal Ball Cap Bolts

3/4 inch Hex.

Brake Shoe Support Nut.
Crank Shaft Bearing Nuts (Front and Rear).
Fan Bracket Bolt.
Front Spring Clip Bolt (1920 and Previous).
Lamp Bracket Nuts.
Radius Rod Bolt and Nut.
Spindle Bolt Nut.
Steering Gear Post Castle Nut.

Each
No. M676A—Length 9⅜ inches, Burnished Nickel Finish. **$1.10** .75

Six in a Carton; Weight 7½ lbs.

Triple End Utility Wrench

A Most Useful Wrench for Some Very Difficult adjustments and is a Supplementary Tool in Larger Sizes for Unusual Work.
Openings: 11/16, ⅞, 15/16 inches Hex.
Made of ⅝ inch Heavy Steel Bar; Sockets Specially Drawn.

Fits:

11/16 inch Hex.

Battery Cable Terminal Nut on Floor Board.
Battery Clamp Bolt Nut.
Body Bracket Connecting Bolts and Nuts.
Brake Shoe Support Bolt
Fender Eye Bolt Nut.
Front and Rear Spring Hanger Nut.
Hub Flange Bolt Nuts.
Spindle Body Bolt with Oiler.
Spindle Connecting Rod Bolt Nuts
Spindle Connecting Rod Bolt with Oiler.

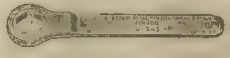
7/8 inch Hex.

Front Spring Clip Nut (1921).
Rear Spring Clip Nut.
Spindle Arm Nut.

15/16 inch Hex.

Crank Case Drain Cup Plug.
Differential Housing Oil Plug.
Drive Shaft Castle Nut.
Front Spring Perch Nut.
Rear Hub Lock Nut.
Spark Plug (Champion X).

Each
No. M676B—Length 10¾ inches; Burnished Nickel Finish..... **$1.80** 1.20
Six in a Carton, Weight 9½ lbs



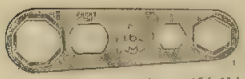
Reverse and Brake Pedal Wrench

Made of Heavy Steel with Properly Hardened Ratchet and Spring
Opening: 11/16 inch.

Each
No. M645—Length 6½ inches; Burnished Nickel Finish.. **$0.75** .50
Twelve in a Carton; Weight 2½ lbs.

TRADE MARK REGISTERED IN THE U.S. PAT. OFFICE.

FORD CAR WRENCHES
MOSSBERG



Hub Cap Wrench

Made of Heavy Steel.

Openings: 1⅝, 1¾ and 1¾ inches.

Each

No. M630—Length 8½ inches; Burnished Nickel Finish.. **$0.30** .18
Twelve in a Carton; Weight 6 lbs.

Connecting Rod Wrenches

Made of ½ inch Steel Bar; Ratchet Parts Properly Hardened; Socket of Chrome Steel Alloy.

Opening: ⅝ inch Hex.

Fits:

Body Bracket Connecting Bolt.
Commutator Case Support Bolt (Starter Model).
Connecting Rod Cap Screws (all).
Crank Case Front Bearing Screw.
Cylinder Front Cover Screw.
Cylinder Inlet and Outlet Connecting Screws.
Cylinder Head Screws.
Demountable Rim Lug Nut
Drive Shaft Roller Bearing Housing Set Screw (1920 and Previous).
Drive Shaft Roller Bearing Stud and Nut
Timing Gear Cover.

Each

No. M624—Length Over All, 10¼ inches; Satin Nickel Finish **$3 75** 2 50
Six in a Carton. Weight 7¼ lbs

Connecting Rod Wrench

Made of ½ inch Heavy Steel, Socket of Special Analysis.

Opening: ⅝ inch Hex.

Fits:

Body Bracket Connecting Bolt.
Commutator Case Support Bolt (Starter Model).
Connecting Rod Cap Screw (all).
Crank Case Front Bearing Screw.
Cylinder Front Cover Screw.
Cylinder Inlet and Outlet Connecting Screws.
Demountable Rim Lug Nut
Drive Shaft Roller Bearing Housing Set Screw (1920 and Previous).
Drive Shaft Roller Bearing Stud and Nut.
Timing Gear Cover.

Each

No. M623—Length Over All, 10¼ inches Satin Nickel Finish..... **$0 80** .53
Six in a Carton. Weight 5¼ lbs

Wrist Pin Wrench

Made of ¾ inch Forged Steel, Special Heat Treatment.

Opening: ⅞ inch.

Fits:

Battery Bracket-to-Frame Bolts and Nuts.
Brake and Reverse Support Bolts and Nuts.
Cam Shaft Bearing Set Screws.
Carburetor Nuts (Holley Model N. H.)
Clutch Lever Screw and Nut.
Clutch Release Fork Clamp Screw.
Commutator Case Support Bolt (1919 and previous)
Connecting Rod Clamp Screws.
Crank Case and Cylinder Cover Cap Screws.
Crank Case Arm Bolts and Nuts, (Side and Top).
Crank Case Bolts and Nuts.
Cylinder Cover Bolts and Nuts.
Cylinder Front Cover Cap Screws.
Cylinder Valve Cover Nuts.
Fan Adjusting Screw.
Front Fender Iron Bolts and Nuts (Side and Bottom).
Inlet and Exhaust Clamp Stud and Nut.
Magnet Bolts.
Muffler Head-to-Frame Bolts and Nuts.
Radius Rod Ball Cap Stud and Nut.
Steering Post Bracket Bolts and Nuts
Transmission Cover Bolts.
Universal Ball Cap Bolts.

Each

No. M638—Length Over All, 11¼ inches; Burnished Nickel Finish..... **$1.90** 1.25
Six in a Carton; Weight 9¼ lbs.

FORD CAR WRENCHES
MOSSBERG

Fly Wheel Cap Screw Wrench

Made of ¾ inch Forged Steel with Heat Treatment to Assure Maximum Strength.

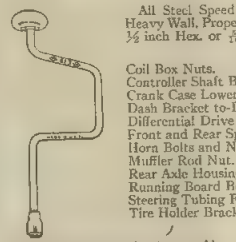
Opening: 1¼ inch.

Fits:

Fly Wheel Cap Screws.
Battery Cable Terminal Nut on Floor Board.
Battery Clamp Bolt Nut.
Body Bracket Connecting Bolts and Nuts.
Hub Flange Bolt Nuts.

Each

No. M636—Length Over All, 11¼ inches; Burnished Nickel Finish..... **$1.90** 1 25
Six in a Carton; Weight 10½ lbs.



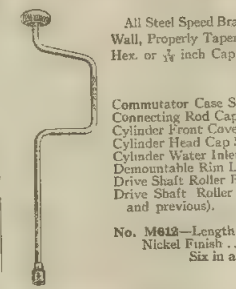
All Steel Speed Brace Socket Wrench; Sockets of Heavy Wall, Properly Tapered for Clearance. Opening ½ inch Hex. or ⅞ inch Cap Screw.

Fits:

Coil Box Nuts.
Controller Shaft Bracket Bolt and Nut.
Crank Case Lower Cover Cap Screws.
Dash Bracket to-Dash Bolt and Nut.
Differential Drive Gear Screw
Front and Rear Spring Retaining Clip Bolt.
Horn Bolts and Nuts.
Muffler Rod Nut.
Rear Axle Housing Bolts and Nuts.
Running Board Bolts and Nuts.
Steering Tubing Flange Screw and Nut.
Tire Holder Bracket-to-Body Bolt and Nut.

Each

No. M613—Length Over All, 14¼ inches; Satin Nickel Finish **$1.10** .75
Six in a Carton. Weight 9¾ lbs



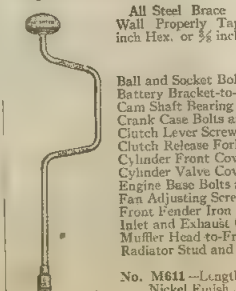
All Steel Speed Brace Socket Wrench; Sockets of Heavy Wall, Properly Tapered for Clearance. Opening: ⅝ inch Hex. or ⅞ inch Cap Screw.

Fits:

Commutator Case Support Bolt (Starter Type).
Connecting Rod Cap Bolts and Nuts (Except No. 4).
Cylinder Front Cover Cap Screw (Starter Type).
Cylinder Head Cap Screws.
Cylinder Water Inlet and Outlet Connecting Screws.
Demountable Rim Lug Nut.
Drive Shaft Roller Bearing Stud and Nut.
Drive Shaft Roller Bearing Housing Set Screw (1920 and previous).

Each

No. M612—Length Over All, 19¼ inches; Satin Nickel Finish..... **$1.20** .80
Six in a Carton; Weight 11¼ lbs.



All Steel Brace Socket Wrench; Sockets of Heavy Wall Properly Tapered for Clearance. Opening: ⅞ inch Hex. or ⅝ inch Cap Screw.

Fits:

Ball and Socket Bolt and Nut.
Battery Bracket-to-Frame Bolts and Nuts.
Cam Shaft Bearing Set Screws.
Crank Case Bolts and Nuts.
Clutch Lever Screw and Nut.
Clutch Release Fork Clamp Screw.
Cylinder Front Cover Cap Screw (Starter Type).
Cylinder Valve Cover Nuts.
Engine Base Bolts and Nuts.
Fan Adjusting Screw.
Front Fender Iron Bolt and Nut (Side and Bottom).
Inlet and Exhaust Clamp Stud and Nut.
Muffler Head to-Frame Bolts and Nuts.
Radiator Stud and Nut.

Each

No. M611—Length Over All, 19¼ inches; Satin Nickel Finish.. **$1 20** .80
Six in a Carton; Weight 11 lbs.

FORD CAR WRENCHES

MOSSBERG

FORD WRENCH DISPLAY BOARD ASSORTMENT

The Most Desirable Selection of Wrenches for Ford Cars, Mounted on an Attractive Display Board Made of Second Growth Chestnut, Easel Back and Finished with Three Coats of Varnish.

Hooks are Nickel Plated and Each Pair Holds Two Wrenches.

All Wrenches Made from Heavy ½ inch Steel Bar. Satin Nickel Finish.

Contents:

3—361 Rim Wrench.
3—608 Valve Grinders.
5—611 Speed Brace Wrench.
3—612 Speed Brace Wrench.
3—613 Speed Brace Wrench.
3—622 Main Bearing Wrench.
5—623 Connecting Rod Wrench.
2—624 Rachet Connecting Rod Wrench.
5—625 Offset Wrench.
5—627 Carburetor and Generator Wrench.
5—630 Cylinder Head Wrench.
2—634 Spring Perch Nut Wrench.
4—635 Spark Plug and Cylinder Head Wrench.
3—636 Fly Wheel Cap Screw Wrench.
2—638 Wrist Pin Wrench.
6—645 Ratchet Transmission Wrench.
5—650 Hub Cap Wrench.
3—652 Universal Joint Assembly Wrench.
3—654 Valve Spring Lifters.
4—676A Double End Offset Wrench.
2—676B Triple End Offset Wrench.
4—2337 12 inch Tee Solid Socket Wrench.

Per Assortment

No. M600—Assortment of 81 Wrenches; Display Board, 20x66 inches **$94 50** 03.00

One in a Box, Shipping Weight, 130 lbs

KEEP YOUR STOCK OF AUTO ACCESSORIES UNBROKEN, AND THE TRADE OF THE GOOD MECHANICS WILL COME YOUR WAY.

THE SHAPLEIGH LINE EMBRACES ALL THE BEST SELLING AUTO ACCESSORIES.

IT IS DANGEROUS TO ADVERTISE A "COMPLETE" STOCK OF AUTO ACCESSORIES AND THEN RUN SHORT BECAUSE OF NEGLECT TO SEND A MAIL ORDER.

IF YOU HAVE A COMPLETE STOCK THE CUSTOMER AT ONCE GAINS A GOOD OPINION OF YOUR STORE AND FIRST IMPRESSIONS ARE OFTEN VITAL.

SOCKET WRENCHES

MOSSBERG

This Group of Wrenches Represents the Three Most Frequently Used Sizes of Sockets in the Four Types of Handles.

Made of ½ inch Steel Bar Sockets of Heavy Special Steel, Round Shape for Clearance.

Finish: Burnished Nickel.

Board of Selected Chestnut, 1 inch.

Steel Hooks, Nickeled.

Contents:

18—2100 Series. 18—2300 Series.
18—2200 Series. 18—2400 Series.

In Three Sizes, Six of Each ½, ⅝ and ⅝ inches

Per Assortment

No. M2500—Assortment of 72 Wrenches with Display Board 20x30 inches; Easel Back; Weight per Assortment, 113 lbs... **$66 00** 44.00

One in a Box

MOSSBERG

Tee and Offset Socket Wrench Display Boards.

Forty Seven 6 inch "T" Solid Socket Wrenches, 8 Each ⅜; 5 Each ½, 7/16, ⅝, 9/16, ¾, 13/16; 3 Each ⅞, 15/16 and 1⅛.

Fifty Seven 12 inch "T" Solid Socket Wrenches, 9 Each ⅜; 6 Each ½, 7/16, ⅝, 9/16, ¾ and ⅞; 4 Each ⅞, 15/16 and 1⅛.

Thirty Six 10 inch Offset Socket Wrenches, 6 Each ⅜; 4 Each ½, 7/16, ⅝, 9/16, ¾ and ⅞; 2 Each ⅞, 15/16 and 1⅛.

Each Wrench Satin Nickel Finish; Each Pair of Hooks Holds Two Wrenches; Board is Natural Finish with 3 Coats of Varnish.

Size: 20 inches Wide, 66 inches High.

Per Assortment

No. ML—Assortment of 140 Wrenches with Display Boards..... **$116.60** 77.75

One in a Box; Weight per Assortment, 198 lbs

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE.

SOLID SOCKET WRENCHES

MOSSBERG

6 inch "T" Handle Socket Wrench

Made from ⅜ inch Steel Bar; Sockets of Special Steel, Round Shape, Allowing Minimum Clearance. Properly Hardened.

Length 7½ inches; Finished in Burnished Nickel.

	Socket Opening Size Hex. inches	U. S. Standard Nuts and Bolt Heads. Bolt Size inches	S. A. E. Standard Nuts and Screw Heads. Screw Size inches	Hex. Head Cap Screws. Screw Size inches	Each
No. M2229	⅜	..	¼	¼	$0.85 0 56
No. M2233	½	¼	⅜	⅜	.85 .56
No. M2237	⅝	..	⅜	⅜	.85 .56
No. M2239	⅝	⅜	..	..	.85 .56
No. M2241	⅝	..	⅜	⅜	.85 .56
No. M2245	¾	⅜	..	..	.85 .56
No. M2249	¾	..	½	½	.85 .56
No. M2251	⅞	½	..	..	.85 .56
No. M2253	⅞	..	½	½	.85 .56
No. M2257	⅞	½	⅝	⅝	.85 .56

Six in a Carton; Weight 8 lbs.

12 inch "T" Handle Socket Wrench

Made from ½ inch Steel Bar, Length Over All, 12 inches Satin Nickel Finish.

	Socket Opening Size Hex. inches	U. S Standard Nuts and Bolt Heads. Bolt Size inches	S. A. E. Standard Nuts and Screw Heads. Screw Size inches	Hex. Head Cap Screws. Screw Size inches	Each
No. M2329	⅜	..	¼	¼	$0.90 0 60
No. M2333	½	¼	⅜	⅜	.90 .60
No. M2337	⅝	..	⅜	⅜	.90 .60
No. M2339	⅝	⅜	..	..	.90 .60
No. M2341	⅝	..	⅜	⅜	.90 .60
No. M2345	¾	⅜	..	..	.90 .60
No. M2349	¾	..	½	½	.90 .60
No. M2351	⅞	½	..	..	.90 .60
No. M2353	⅞	..	½	½	.90 .60
No. M2357	⅞	½	⅝	⅝	.90 .60

Six in a Carton; Weight Each, 10 lbs.

Speed Brace Socket Wrench

Made from ½ inch Steel Bar, Length 19¼ inches Over All. Satin Nickel Finish.

	Socket Opening Size Hex. inches	U. S. Standard Nuts and Bolt Heads. Bolt Size inches	S. A. E. Standard Nuts and Screw Heads. Screw Size inches	Hex. Head Cap Screws. Screw Size inches	Each
No. M2429	⅜	..	¼	¼	$1 20 .80
No. M2433	½	¼	⅜	⅜	1 20 .80
No. M2437	⅝	..	⅜	⅜	1 20 .80
No. M2439	⅝	⅜	..	..	1 20 .80
No. M2441	⅝	..	⅜	⅜	1 20 .80
No. M2445	¾	⅜	..	..	1 20 .80
No. M2449	¾	..	½	½	1 20 .80
No. M2451	⅞	½	..	..	1 20 .80
No. M2453	⅞	..	½	½	1 20 .80
No. M2457	⅞	½	⅝	⅝	1 20 .80

Six in a Carton; Weight 11¾ lbs.

SWIVEL JOINT WRENCHES

MOSSBERG

12 inch "T" Handle Swivel Joint Wrench

Made from ½ inch Heavy Steel Bar; Sockets of Special Steel.

This New Style Wrench Makes Adjustments Possible that Otherwise Would Require Disassembling of Interfering Parts.

	Socket Opening Size Hex. inches	U. S. Standard Nuts and Bolt Heads. Bolt Size inches	S. A. E. Standard Nuts and Screw Heads. Screw Size inches	Hex Head Cap Screws. Screw Size inches	Each
No. M2829	⅜	..	¼	¼	$2 25 1 70
No. M2833	½	¼	⅜	⅜	2 25 1 70
No. M2837	⅝	..	⅜	⅜	2 25 1 70
No. M2839	⅝	⅜	..	..	2 25 1 70
No. M2841	⅝	..	⅜	⅜	2 25 1 70
No. M2845	¾	⅜	..	..	2 25 1 70
No. M2849	¾	..	½	½	2 25 1 70
No. M2851	⅞	½	..	..	2 25 1 70
No. M2853	⅞	..	½	½	2 25 1 70
No. M2857	⅞	½	⅝	⅝	2 25 1 70

Six in a Carton; Weight, 10 lbs.

EXTRA SOCKETS

For Mossberg Wrench Sets

Construction—Drawn by Pressure from Cold Rolled Steel, Thereby Retaining the Necessary Long Grain in Structure.

Finish—Mottled and Lacquered.

Height -1¾ inches.

Hexagon Sizes

Each, All Sizes Fitting

	Opening Size Hex. inches	U. S. Standard Nuts and Bolts Bolt Size inches	S A E. Standard Screws Screw Size inches	Hex. Head Cap Screws Screw Size inches	Each
No. M115	⅛	..	⅛	⅛	$0 40 0.25
No. M117	⅛	..	⅛	⅛	.40 .25
No. M119	⅜	..	⅜	⅜	.40 .25
No. M120	⅜	..	..	..	.40 .25
No. M121	⅜	..	⅛	⅛	.40 .25
No. M123	⅜	⅜	..	..	.40 .25
No. M125	⅜	..	½	¼	.40 .25
No. M127	⅜	..	..	⅛	.40 .25
No. M129	⅜	½	..	⅜	.40 .25
No. M131	⅜	..	⅝	..	.40 .25
No. M133	1⅛	..	⅛	¾	.40 .25
No. M135	1⅛	⅝	¾	..	.40 .25
No. M137	1⅛	..	..	⅞	.40 .25
No. M141	1⅛	¾	⅞	1	.40 .25

Square Sizes

Each, All Sizes Fitting

	Socket Opening Size Square inches	U.S. Standard Nuts and Bolts Bolt Size inches	Square Head Set Screw —inches	Square Head Coach Screw inches	Each
No. M163	⅜	..	⅜	¼	$0 40 0.25
No. M165	⅜	..	⅛	..	.40 .25
No. M167	⅜	¼	⅛	⅛	.40 .25
No. M169	⅜	..	⅛	⅜	.40 .25
No. M171	⅜	..	⅜	..	.40 .25
No. M173	⅜	⅜	..	⅛	.40 .25
No. M175	⅜	..	¼	½	.40 .25
No. M179	⅜	½	⅜	⅛	.40 .25

Loose

SOCKET WRENCH HANDLES
MOSSBERG

REVERSIBLE RATCHET HANDLE

This is a Reversible All-Steel Ratchet Handle that Can be Reversed by Turning Small Set Nut by Simply Turning Wrench Over. A Simple and Practical Handle.

Each

No. M350—Nickel Plated Steel; Length, 10 inches; Weight Each, 1 lb., Weight Each, 1¼ lbs. $3 00 2.00

One in a Carton

RATCHET HANDLE

Made of Heavy Steel Sheet. Holds the Socket Firmly Until Ready to be Removed; To Reverse, Simply Turn Handle Over.

Each

No. M355—Satin Nickel Finish; Length, 8 inches; Weight Each, 12 ozs; Weight Each, ¾ lb. $1.50 1.00

One in a Carton

SOLID "T" HANDLE

For Equipment Purposes, this Solid "Tee" Handle is Ideal.

Made of ½ inch Special Bar Steel.

Each

No. M331—Length, 11 inches; Width, 7⅞ inches; Burnished Nickel Finish; Weight Each, 9½ lbs. ..... $0 75 .50

Six in a Carton

OFFSET SOCKET WRENCH HANDLE

An Offset Socket Handle of Good Length for Leverage and Overstrong for Service. Made of ½ inch Steel Bar.

Each

No. M320—Length, 10 inches; Burnished Nickel Finish; Weight Each, 7¾ lbs. ..... $0 40 .27

Twelve in a Carton

SPEEDER TYPE HANDLE

For Interchangeable Sockets.

A Speeder Handle for All Interchangeable Sockets, and with these Sockets the Handle Produces Speed Brace to Wrenches of Sizes from ⅝ to 1½ inches. Made of Special ½ inch Steel Bar.

Each

No. M359—Length, 18¼ inches; Burnished Nickel Finish; Weight Each, 9½ lbs. ..... $1.10 .75

Six in a Carton

SOCKET WRENCH HANDLES
MOSSBERG

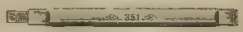
UNIVERSAL JOINT

Allows the Direct Application of Socket Wrenches Upon Nuts and Set Screws in the Most Inaccessible Places; May be Used at Any Angle, Yet Takes Direct Power; Used with Long Extension or ½ inch Square Socket.

Each

No. M336—Length, 4 inches; Rust Proof Black Finish; Weight per Dozen, 6 lbs. ..... $0.75 .50

Twelve in a Carton



EXTENSION BAR

For Use with Ratchet Handle, Screw Driver Bit, Universal Joint, and All Sockets.

Each

No. M351—Length, 9½ inches; Burnished Nickel Finish; Weight Each, 8¼ lbs. ..... $0 80 .56

Twelve in a Carton

TAPPET WRENCH SETS
EDELMAN

A New Set of Thin Wrenches, Made of Best Grade of Steel, Properly Case Hardened and Nicely Finished, Comprising the Following Sizes: ¼, 5/16, ⅜, 7/16, ½, 9/16.

There are Six Double End Wrenches, Two of Each Size for Adjusting Valve Tappets. This Set Will Take Care of Valve Tappet of Almost Every Car Made.

Per Set

No. TWS—Weight per Set, 2 lbs. $1.60

One Set in a Leatherette Case

SEXTO

Set Composed of Six Very Thin Wrenches with an Opening at Each End, Which are so Made that They Will Get into All Kinds of Corners.

Will Handle the Following Size Nuts: 3/16 inch, ¼ inch, 5/16 inch, ⅜ inch, 7/16 inch, ½ inch, 9/16 inch, 5/8 inch, 11/16 inch, ¾ inch, 13/16 inch, ⅞ inch and 15/16 inch.

Fastened Together by a Connecting Screw, Making a Neat, Compact Set.

Handsome Display Stand Furnished with Every Order of 15 or More Sets.

Per Dozen

No. SR—Fully Nickel Plated and Polished; Weight per Dozen, ¾ lb. $10.80

One Set in a Box; Fifteen in a Display Case

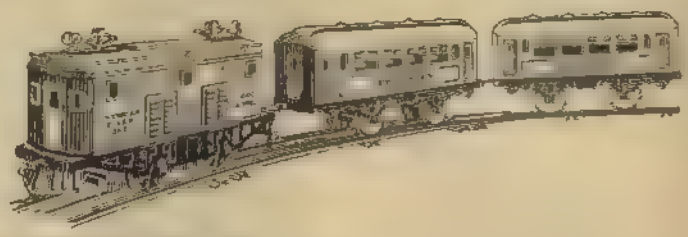
"Made in America" "American Flyer" "The Train with the Guarantee" Registered U.S. Patent Office

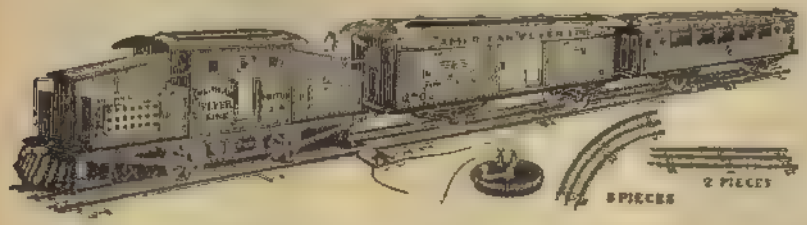
ELECTRIC TRAINS

Made by the same careful workmen that have made our mechanical trains so famously popular. **Engines are modeled from the latest type New York Central electric locomotives and are by far the best miniature electric locomotives on the market.**

These trains can be run on 3 or 4 dry cells, or by connecting up a transformer to your electric light socket, if, it is, 110-volt, 60 cycle alternating current. Be sure to read the instructions very closely before trying to operate these trains.

No. 1101—Electric Type Locomotive without headlight, length 6¼ in., two No. 1120 Pullman cars, length 5⅝ in each, length of train 21 in., 8 pieces, track including 1 track terminal and rheostat.....per dozen $80 00

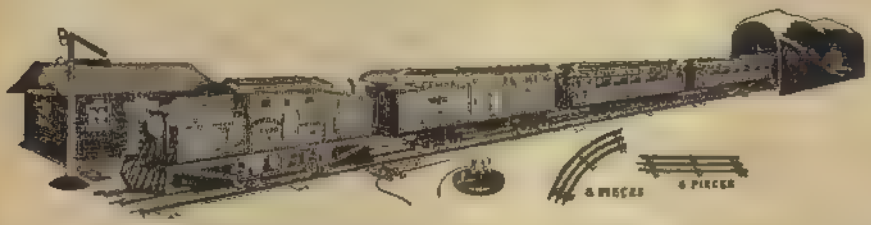




No. 1201—Length of train 24½ in. Electric locomotive, baggage car with sliding door, passenger car of largest type single truck. One improved rheostat.

Eight pieces curved and two pieces straight track, including one terminal section, w't per set 4½ lbs., per dozen sets.....$100.00

No. 1217—Length of train 31 in. Electric locomotive with large protected headlight, baggage car with sliding doors, two passenger cars. Cars have double trucks. Eight sections of curved and four of straight track, including one terminal section. Length of track 125 in. One improved rheostat, w't per set 6 lbs.....per dozen sets $128.00



This is our most complete outfit.

No. 1221—Length over all 31 in. Electric locomotive with large protected headlight, baggage car with sliding doors, two passenger coaches, (double truck cars). Eight sections curved and six of straight track. Length of track 145 in. One terminal section, station, double arm semaphore, tunnel and improved rheostat, w't per set 8 lbs., per dozen sets.....$160.00

No. 1227—Length overall 31 in., consists of a locomotive with protected headlight, a large size baggage car with sliding doors, two large passenger cars. All the cars are equipped with swivel bolster trucks and disappearing couplers. 1 pair of switches 1 cross over, 16 pieces of curved and two pieces of straight track, length of track 245 in., w't each 8 lbs., per dozen sets.....$192.00

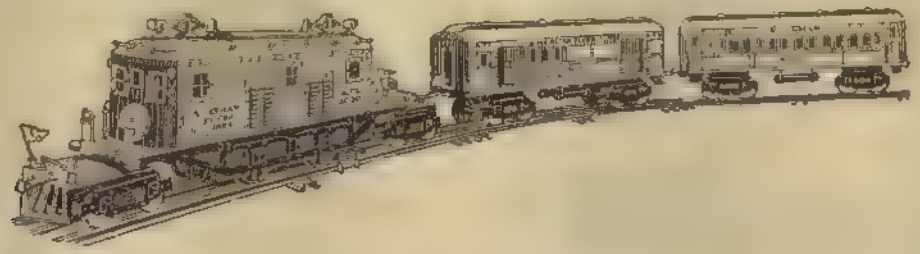
ALL ABOVE ONE SET IN A STRONG LITHOGRAPHED BOX

Made in America
American Flyer
The Train with the Governor Registered U.S. Patent Office

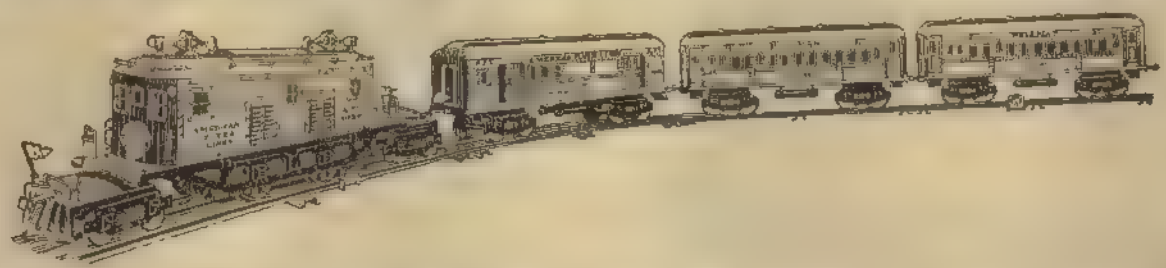
ELECTRIC TRAINS

Made by the same careful workmen that have made our mechanical trains so famously popular Engines are modeled from the latest type New York Central electric locomotives and are by far the best minature electric locomotives on the market.

These trains can be run on 3 or 4 dry cells, or by connecting up a transformer to your electric light socket, if, it is, 110-volt, 60 cyle alternating current. Be sure to read the instructions very closely before trying to operate these trains.



No. 1305—Locomotive No. 3020 with headlight and Patented Automatic Reverse, length 10 in., U. S. Mail Car No. 3000. 1 Pullman Car No 3001, length of cars 10½ in. each., length of train 33½ in., 8 pieces curved, 6 pieces straight., track including track termina. and rheostat., length of track 142 in. ..... per dozen $277.30



Twentieth Century Limited. No. 3020 Electric Type Locomotive with headlight and Patented Automatic Reverse., length 10 in., U. S. Mail Car No. 3002., Pullman Car No. 3003, and Pullman Car No. 3004 with imitation Tail-light.

No. 1307—All cars electric lighted; length of train 45 in., 8 pieces curved track and 12 pieces straight, including track terminal and rheostat; length of track 202 in. ..... per dozen $.

No. 1306—Cars not electric lighted; length of train 45 in., 8 pieces curved and 10 pieces straight track; length of track 182 in. ..... per dozen $...

TRANSFORMERS

No. 1249—Cord and plug, 50 watt capacity with five control steps., air cooled for alternating current; Suitable for operating trains Nos. 1101 and 1201; For use only with 110 volt A. C. Cycle current; width 3½ in., height 2½ in. ..... per dozen $60.00

No. 1250—Type B, capacity 100 watts. For use of alternating current only, 110 volt, 60 cycle, primary. Secondary voltage, 4, 6, 8, 10 and 12 volt. Equipped with Fahnestock patented connection clips. 6 ft. of black cord with separable plug. Transformer is positively air cooled. Does not have any patch to melt and burn children or ruin carpets. This transformer has twice the capacity necessary to operate American Flyer trains. Suitable for operating most any type of electrical toy,

per dozen $70.40

"Made in America" "American Flyer" The Train with the Guarantee Registered U.S. Patent Office

The engines are of latest design made of highest quality cast iron and are beautifully decorated.

The clock-works of the "American Flyer" engines are equipped with steel pinion and patented winding devices and are the strongest mechanical toys on the market. Each one carries a six months' guarantee.

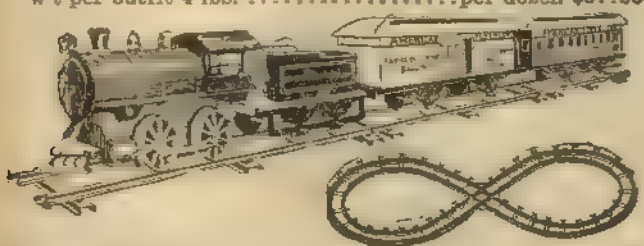
The cars are made of heavy sheet metal, beautifully lithographed in various colors. The cars are made up of baggage, passenger, various freight cars and caboose.

The tracks are made of heavy tin. Each section of track is 10½ inches long.

No. 0—Length over all 16¾ in., engine No. 0, tender No. 328, passenger car No. 1107, eight sections of track forming circle 82 inches in circumference, w't per outfit 3 lbs., per dozen $26.60

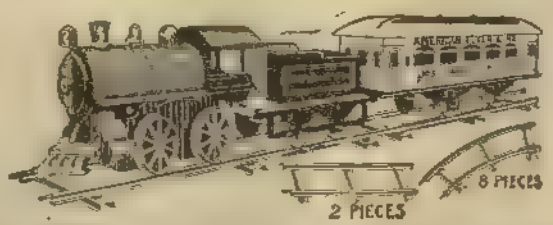
NOTE—Brake and Piston Rods on this Engine

No. 2—Length over all 24½ in. Engine No. 2, **speed governed** with piston rod and brake, large tender No. 120, baggage car No. 1108, with sliding door, passenger car No. 1107, eight pieces of curved and two pieces of straight track form oval 103 inches in circumference, w't per outfit 4 lbs. ..... per dozen $37.30

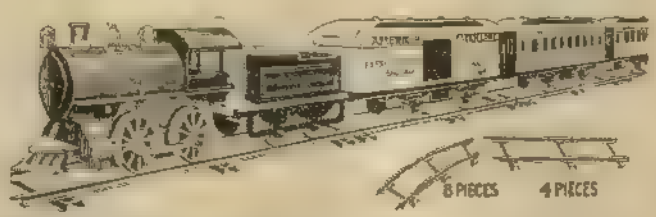


No. 5—Length over all 24½ in., engine No. 13, **speed governed,** piston rods and brake, tender No. 120, baggage car No. 1108A, with sliding door, passenger car No. 1107, fourteen pieces of curved track and crossover, forming figure eight, circumference 165 inches, w't per outfit 4½ lbs. ..... per dozen $49.30

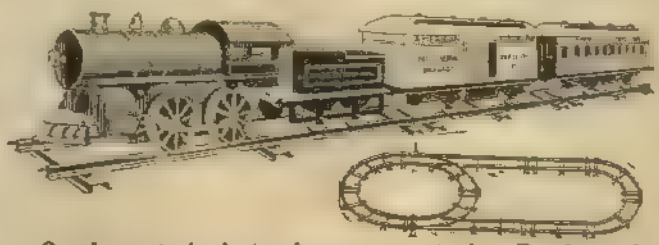
No. 15—Length over all 27 inches. Large engine No. 15, **Speed governed,** piston rods, brake and automatic brake stop, large tender No. 120, large size baggage car with sliding door No. 1105, large size passenger car No. 1106 with double trucks and disappearing couplers. Eight pieces of curved track and four pieces of straight track, including automatic brake rod stop, circumference 124 inches, w't per outfit 5 lbs.... per dozen $65.30



No. 1—Length over all 18½ in., **speed governed,** Engine No. 1, tender No. 120, largest single truck car No. 1103, eight pieces of curved track and two pieces of straight track form oval 103 in. in circumference, w't per outfit 3½ lbs. ..... per dozen $32.00



No. 3—Length over all 31 in., engine No. 3, **speed governed,** piston rods and brake, large tender No. 120, baggage car No. 1108, with sliding door, and two No 1107 passenger cars. Eight pieces of curved and four pieces of straight track form oval 123 in. in circumference, w't per outfit 4½ lbs. ..... per dozen $44.00



Our largest single truck passenger train. Track can be made either in an oval or square.

No. 13—Length over all 25 inches, engine No. 13, **speed governed,** piston rods and brake, tender No. 120, baggage car with sliding door No. 1108A, passenger car No. 1107. Ten pieces of curved, two pieces of straight track and two switches form oval and circle. Track length 162 inches, w't per outfit 5 lbs., per dozen $56 00

If you "go to sleep at the switch" operating this train there will be a wreck.

Train can be switched from large oval to small oval by opening or closing both switches.

EACH OUTFIT PACKED IN INDIVIDUAL CARTON BEAUTIFULLY LABELED.

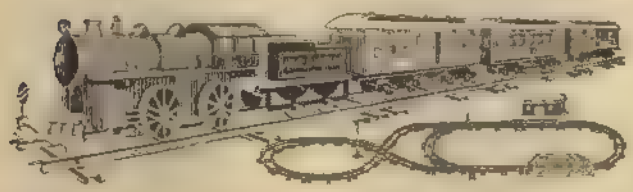
The engines are of latest design made of highest quality cast iron and are beautifully decorated.
The cars are made of heavy sheet metal, beautifully lithographed in various colors. The cars are made up of baggage, passenger, various freight cars and caboose.
The tracks are made of heavy tin. Each section of track is 10¾ inches long.

AMERICAN FLYER

The clock-works of the "American Flyer" engines are equipped with steel pinion and patented winding devices and are the strongest mechanical toy on the market. Each one carries a six months' guarantee.

This is a real set to start a big railroad system with.

No. 19—Length over all 26½ in. Engine No. 18, speed governed, piston rods and brake, tender, baggage car with sliding doors and passenger car. Single arm semaphore, station and tunnel. Eight pieces of curved and four pieces straight track make oval of 125 in., w't per set 7½ lbs. .....per dozen sets $72.00



This is the Twentieth Century Limited of minature trains.

No. 21—Length over all 35 in. Large engine No. 15, speed governed, piston rods and brake and automatic brake stop, large tender, baggage car with sliding doors, two passenger cars. Cars have double trucks. Sixteen pieces of curved and fourteen pieces straight track, including automatic brake stop section, two switches and one cross over, station, single arm semaphore and construction bridge, w't per set 8 lbs.,
per dozen sets $117.30

ALL ABOVE ONE SET IN A STRONG LITHOGRAPHED BOX

PASSENGER STATION

No. 90—Made of heavy sheet metal, beautifully colored in red, white, gray and black. Length 6 in., height 3½ in., w't per dozen 4½ lbs. .....per dozen $5.80

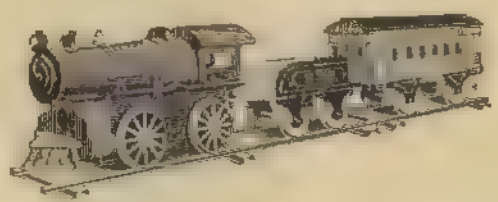
HUMMER TRAINS

Built to meet the demand for popular priced American trains. Constructed by the same skilled workmen who make the "American Flyer" Trains.

Engines are formed from heavy sheet steel, black enameled and latest designs. Clockworks have strong steel spring which pulls "The Hummer" at a great speed.

No. 53—Length over all 15 in., locomotive, tender and one car. Four pieces of curved track, each 15 in. long, w't per outfit 1½ bs. .....per dozen $12 50

ONE IN A CARTON



No. 800—Cast Iron Locomotive No. 328 tender New Pennsylvania Car and four pieces of track forming a circle 62 in. in circumference .....per dozen $18.00

ONE IN A CARTON

TUNNELS

Beautifully decorated with house of red on the side.

No. 82—Length 10 in., heigh 7 in., w't per dozen 6 lbs.,
per dozen $11.00

"Made in America" "American Flyer" "The Train with the Four Rail Inter" Registered U.S. Patent Office

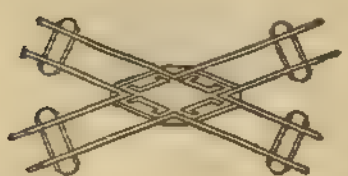
ALL TRACK MADE OF HEAVY STEEL TIN PLATE AND IS "O" GAUGE

MECHANICAL TRACK

No. 1MC—Curved track units with pins on one end only. Eight pieces make a circle, length 10¼ in., per dozen sections $1.15

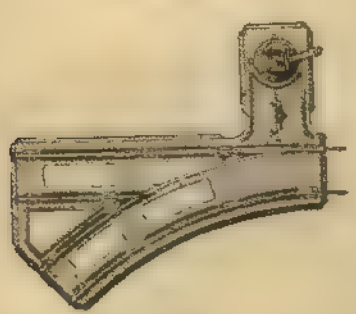
No. 2MS—Straight track units with pins on one end only, length 10¼ in. .....per dozen sections $1.15

CROSSOVERS



No. 3MX—Crossover .....per dozen sections $7.00

SWITCHES



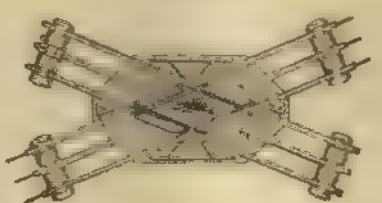
No. 4MF—Switch, Pair Consists of one right hand and one left hand switch, ...per doz. pairs $19.20

ELECTRIC TRACK

No. 5ES—Straight track, made of heavy rolled tin plate, length 10¼ in., w't per doz. sections 1¾ lbs., per dozen sections $2.00

No. 6EC—Curved electric track made of heavy rolled tin plate, length 10¼ in., w't per doz. sections 1¾ lbs., per dozen sections .....$.....

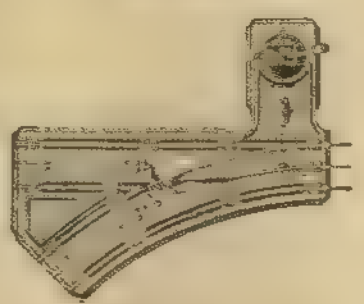
CROSSOVERS



No. 7EX—Electric crossovers made of heavy pressed tin plate, length 10¼ in., w't per doz. 2¾ lbs., per dozen $14 40

ALL ABOVE, ONE DOZEN IN A BOX

SWITCHES



No. 8EF—Electric switches, entire switch made without solder, all parts are die clamped on a strong pressed steel base giving perfect electric contact all the time, whether switch is open or closed, length 10¼ in., pair consists of one right hand and one left hand switch, w't per doz. pr. 1¼ lbs. .....per dozen $32.00

ONE PAIR IN A BOX

OIL TANK CAR

No. 1118—Double Truck . . . . .per dozen $14.40

CAR ASSORTMENTS

No. 11—Consists of six cars, Nos. 1107, 1108A, 1109, 1110A, 1111 and 11119 .....per assortment $2.59

DANGER SIGNALS

No. 206

No. 206—Beautifully decorated, green, white, blue and black, made of heavy pressed steel, height 7 in., w't per doz. 3 lbs. ....per doz. $3.60

No. 2016—Automatic danger signal with light, track terminal and special track; height 8¼ in., per dozen $50 40

No. 2016

TELEGRAPH POLES

No. 209—**Single arm,** made of drawn steel tubing, beautifuly enameled, height 6¾ in., w't per doz. 3 lbs.....per doz. $3.60

TRACK TERMINALS

No. 11ET— .....per dozen $3.60

SEMAPHORES

No. 207

No. 207 — **Single arm,** beautifully decorated, red, white, and green, made of heavy pressed steel, height 7½ in., w't per doz. 3 lbs., per dozen $3.60

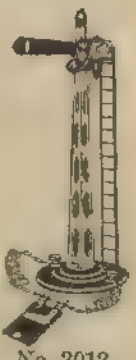
No. 208—**Double arm,** beautifully decorated, red, white, and yellow, made of heavy pressed steel, height 10¾ in., w't per doz. 3 lbs., per dozen $7.00

No. 208

No. 2011

No. 2011 — Mechanical Semaphore, single arm; height 9¾ in., per dozen $10.80

No. 2012—Semaphore with light and track terminal, height 9¾ in., per dozen $28.80



No. 2012

ARC LIGHTS

No. 2009

No. 2009—Complete with wire, track connections and 10 volt frosted bulb, made of heavy cast iron and cast brass, beautifully enameled in green, height 11 in., w't per doz. 12 lbs., per doz. ...$28.80

WATER TANK

No. 2020 — Height 9¾ in., per dozen..$15.00

No. 2020

ELECTRIC LIGHT BULBS

No. 9EB—6 volt, for use on cars semaphores, etc. .....per dozen $5.00
No. 10EBA—10 volt, for use on arc lights, per dozen $6 00

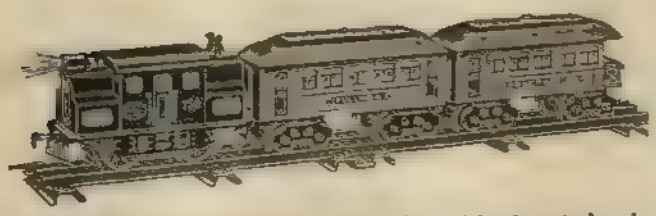
LIONEL ELECTRIC TOYS

In construction, finish and general appearance Lionel Electric Toys are of the highest quality. All locomotive bodies are of sheet steel, not cast iron. They are enameled and ornamented in gold with hand rails, bells, headlights and other fittings of nickled steel. Every Lionel Electric Motor has an electric headlight except No. 159 outfit.

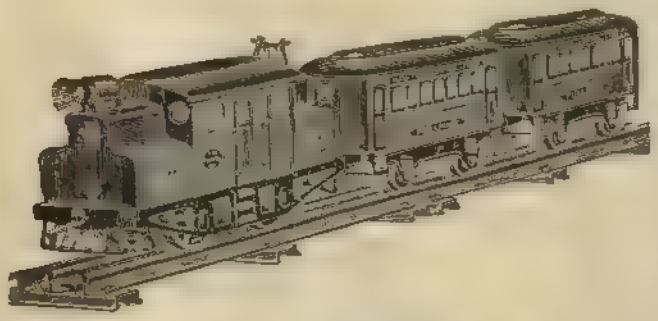
The motor is the most vital part of any electric train outfit. Lionel motors are built for service. All cars are hand enameled, not lithographed. They are decorated in gold, have removable roofs, seats in the interior, and imitation glass in windows and transoms. Being made of heavy gauge metal they are very durable and serviceable. Wheels are nickeled steel. Trucks are flexible, which enables cars to stay on track at high speed.

Track is very rigidly constructed. Track ties are very strong. Insulated third rail makes short circuit impossible. A Lionel Multivolt Transformer used in conjunction with Lionel Train Outfits will result in the utmost satisfaction to the user.

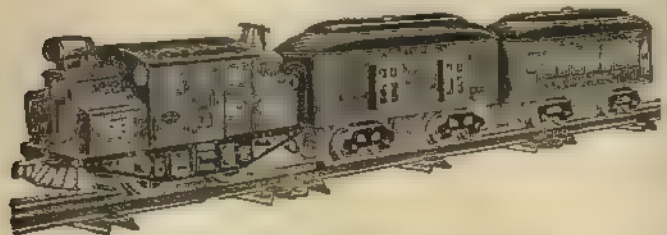
TRAINS



Outfit No. 155—Comprises locomotive with electric headlight, one double truck Pullman Car, one double truck Observation Car, eight sections of OC curved track and four sections of OS straight track, making an oval 49×30 inches. Outfit includes one speed controlling rheostat. Length of complete train 21½ inches. Weight of complete outfit packed in box 6½ lbs., each $13.80



No. 160—Consists of one locomotive with electric headlight, two Pullman cars, eight sections OC curved track and two sections OS straight track, making an oval 39×30 in., and one controlling rheostat. Length of complete train 20 in., w't complete 5½ lbs. .....each $11.50



No. 162—Consists of one locomotive with electric headlight, one double truck Pullman car, one double truck mail car, one controlling rheostat, eight sections OC curved track and four sections of OS straight track, making an oval 49×30 in. Length of complete train 24 in., w't complete 6¾ lbs. .....each $18.00

ALL ABOVE ONE SET IN A LITHOGRAPHED STRONG BOX

MULTIVOLT TRANSFORMERS

FOR ALTERING CURRENT

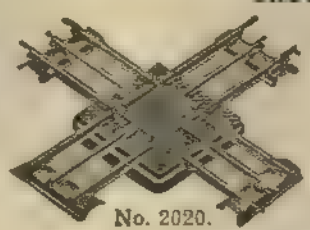
Type B—While primarily intended for operating Lionel or any other make of electrical toys, can be used to good advantage for operating various other electrical apparatus requiring the voltages within their range, such as induction coils, annunciators, bells, burglar alarms, wireless and medical apparatus and a large number of other uses. Multivolt transformers will be found more economical than dry batteries. Type B will operate any size electric train of any make with great efficiency and at low cost, size 2¾×4⅜×3¾ in., w't each 3½ lbs. .....each $6.50

ONE IN A BOX

WHAT IS MEANT BY TOY TRANSFORMER

A toy transformer is an apparatus for reducing the 110 volt house lighting **alternating current** to the few volts necessary for operating electric toys or various other appliances. They are made of electrical sheets with various coils of magnet wire wound over them. These coils are placed in a handsomely black enameled steel case and are surrounded with a sealing wax, which makes them impervious to heat, moisture, etc. The top of the case contains various binding posts and a controlling rheostat which enables the user to either obtain permanent or variable voltages by moving the switch from one point to another. A brass index plate shows the proper posts to use. A flexible lamp cord 7 ft. long is directly connected with the transformer. The standard plug on the end of the lamp cord fits in any lamp socket. For instance, if your house lighting circuit is 110 volts **alternating current** and you require 6 volts to operate a train set or other small electrical apparatus, this voltage can be obtained by connecting the binding posts indicated on the index plate. You turn on the current and whiz, zip goes the train.

CROSSINGS



No. 2020.

No. 2030—Crossing, for use in conjunction with switches, enabling the formation of figure 8 and figure 8 loop. Size 10 in. square. Cross rails are mounted on a solid base perfect insulation which prevents short circuit, w't each lbs. .....each $1.20

THIRD RAIL TRACK

No. 20S—Straight track 10¼ in. long, 1⅜ in. wide, 0 gauge, w't per section ¼ lb. .....per section $0.30

No. 20C—Curved track, for use with straight track, 11½ in. long, 1⅜ in. wide, 0 gauge, w't per section ¼ lb., per section $0.30

ONE IN A STRONG BOX

WRENCH SETS

BILLINGS & SPENCER

DROP FORGED

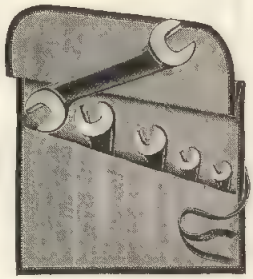
Set No. 8½—S. A. E. Standard.

Set of five wrenches, for S. A. E. nuts.

No.	Each Semi-Finshd	Size Screw S.A.E. Head and Nut	Milled Openings	Lgth
1104	$0.42	¼-	⅜- 7/16	4½
1111	.50	5/16- ⅜	½- 9/16	5
1119X	.74	7/16 -	⅝- 11/16	6¾
1126	.90	½- 9/16	¾- ⅞	8
1136X	1.36	⅝-¾	11/16-1 1/16	10

Set No.	Wgt per set	Per set
8½	3 lbs	$4 32

One set in a canvas bag.



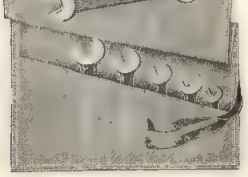
Set No. 18, Textile Type.

Set of five wrenches, for S. A. E. and U. S. standard cap screws.

No.	Each Semi-Finshd	U.S.S. Hex. Head Cap sc. Size	Size Screw S.A.E. Head & Nut	Milled Openings	Lgth	Thickness Head
1557	$0 50	¼- 5/16	¼- 7/16	7/16- ½	4¾	¼
1562	.62	⅜- 7/16	⅜- 7/16	7/16- ⅝	5¾	5/16
1569	.80	½- ⅝	½- 7/16	¾- ⅞	7	7/16
1575X	1 44	- ¾	⅝- 11/16	11/16-1	9½	7/16
1580	1.92	-1	¾	1 1/16-1¼	11	½

Set No.	Wgt per set	Per set
18	4 lbs	$6.18

One set in a canvas bag.



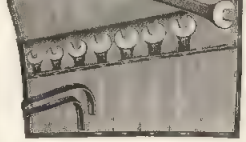
Set No. 17½

Set of six wrenches, for S. A. E. standard nuts and U. S. S. hexagon head cap screws.

No.	Each Semi-Finish	U.S.S. Hex. Head Cap sc.	S.A.E. Std. Nut and Cap Screws Size Bolt or screw	Milled Openings	Length	Thickness Head
1325	$0 50	5/16-¼	-¼	3/8-7/16	4½	3/16
1326	50	¼-5/16	5/16-⅜	7/16-½	4½	3/16
1327	.50	5/16-⅜	5/16-⅜	½-9/16	4½	3/16
1328	64	⅜-7/16	⅜-7/16	7/16-⅝	5½	7/32
1329	64	7/16-½	7/16-½	⅝-¾	5½	7/32
1330	.80	½-⅝	½-5/16	¾-⅞	7	7/32

Set No.	Wgt per set	Per set
17½	2 lbs	$4 78

One set in a canvas bag.



Set No. 23, 15° Angle Double End Wrenches.

A set of 8 wrenches with 16 different openings to fit practically all bolts, nuts, cap screws, etc, on all automobiles.

No.	Each Semi-finish	U.S.S. Bolt Size	Hex. Head Cap sc. Size	S.A.E. Stand. Screw & nut	Milled Openings
1100	$0.34	5/16-	5/16-7/16	-	7/16-⅝
1107	.42	7/16-¼	-7/16	-7/16	3/8-7/16
1110	.50	-	¼-⅜	¾-⅜	7/16-½
1118	.62	⅜-⅜	-	-	½-9/16
1120	.74	-	7/16-½	7/16-½	5/8-¾
1129	1.10	7/16-9/16	-	-	⅝-⅞
1130	1.10	-½	½-⅝	-9/16	¾-⅞
1132X	1.10	-	-¾	⅝-¾	⅞-1

Set No.	Wgt per set	Per set
23	4¼ lbs	$7 32

One set in a canvas bag.

For open stock, see other pages.

WRENCH SETS

BILLINGS & SPENCER

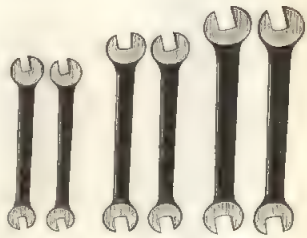
DROP FORGED

Set No. 21B

Set of six long, thin, tappet wrenches, 15° angle, double end. For valve tappets, check nuts and adjusting screws.

No.	Each Nickel	U.S.S. Nuts	S.A.E. Nuts	Milled Openings
1334	$0 96	1/8 - 1/4	1/4 - 7/16	7/16 - 7/16
1335	1.16	1/4 - 1/2	1/2 - 9/16	1/2 - 1/2
1336	1.40	5/16 - 3/8	7/16 - 5/8	5/8 - 5/8
Set No.	Wt. per set			Per set
21B	1 lb.			$7.70

One set in a canvas bag



Set. No. 21

Set of six long, thin, tappet wrenches, 15° angle, double end. For valve tappets, check nuts and adjusting screws.

No.	Each Nickel	U.S.S. Nuts	S.A.E. Nuts	Milled Openings
1334	$0 96	1/8 - 1/4	1/4 - 7/16	7/16 - 7/16
1335	1.16	1/4 - 1/2	7/16 - 5/8	1/2 - 1/2
1336	1 40	5/16 - 3/8	7/16 - 5/8	5/8 - 11/16
Set No.	W t per set			Per set
21	1 lb			$7.04

WRENCHES REQUIRED TO ADJUST THE TAPPETS IN THE FOLLOWING CARS:

Nos.	Milled Openings 1334	—1335—	—1336—	
Name of Car	7/16	1/2	9/16	5/8	11/16
Allen			2		
Apperson		1		1	1
Auburn			1		1
Autocar			3		
Briscoe			2		
Buick			2		
Cadillac			3		
Chalmers				1	
Chandler			1		
Chevrolet			1		
Cleveland			2		
Cole			1	1	
Commerce			1		2
Cunningham			3		
Dodge			3		
Dort		1	1	1	
Dupont			2		
Durant			1		
Essex				2	1
Elgin		1		2	
Franklin					1
Gardner		1	1	1	
Hudson			2		1
Hupp			3		
Jordan				2	1

For open stock, see other pages.

Nos.	Milled Openings 1334	—1335—	—1336—	
Name of Car	7/16	1/2	9/16	5/8	11/16
King				1	2
Lafayette			2		
Liberty			2		
Lincoln			3		
Maxwell			1	2	
Mercer				2	
Mitchell			1	1	1
Monroe			1	1	
Moon				1	1
Nash			1	1	
National				1	1
Oakland			2		
Olds Light 8		1		1	
Olds Large 6			2		
Olds 6			2		
Packard 6			3		
Packard 12			1	1	
Paige			1	1	
Premier			2		
Reo			1		1
Rickenbacker			2		
Saxon			1	1	
Studebaker			1	1	1
Scripps-Booth			2		
Wills		1	1		
Winton				2	

WRENCH DISPLAY BOARDS

BILLINGS & SPENCER

DROP FORGED

Assortment No. 3

Consists of six of each size wrench, totaling 420 wrenches. Mounted on a wood display board. Size of board 6 ft. 8 in. by 10⅞ in.

Engineers' Wrenches—15° Angle, Double End.

No.	Each—Semi-Finshd	Each—Finshd	U.S.S. Bolt Size	Hex. Head Cap sc. Size	Size Screw S.A.E. Head & Nut	Milled Openings	Lgth
1101	$0.34	$0 52	1/8-1/8		1/16-1/16	4	
1105	.42	.64	1/16-1/16		3/32-1/32	4½	
1107	42	.64	1/16-1/4		1/32-1/32	4½	
1109	50	76	1/4-1/16	1/4-1/16	1/16-1/32	5	
1111	50	.76	1/16-3/8	1/16-3/8	1/32-1/16	5	
1112	50	76	1/4-1/16		1/32-3/32	5	
1116	62	90	3/8-1/16	3/8-1/16	1/16-3/32	6	
1117	62	92	3/8-1/2	3/8-1/2	1/8-3/16	6	
1118	62	.92	1/16-3/8		3/32-1/16	6	
1118X	62	.92	3/8	3/8	1/16-1/8	6	
1120	.74	1.12	1/16-1/2	1/16-1/2	3/32-3/16	6¾	
1120X	.74	1.12	1/16	1/16	3/32-3/16	6¾	
1123	.74	1.12	3/8-1/16		1/4-1/8	6¾	
1125	90	1 38	1/2-1/16	1/2-1/16	3/16-1/8	8	
1126	.90	1.38	1/2-5/8	1/2-1/16	3/16-3/16	8	
1128	90	1.38	1/2		3/16-3/16	8	
1128X	1 10	1.70		5/8-1 1/16	1/8-1	9	
1133	1.10	1.70	5/8	5/8-1 1/16	3/8-1	9	
1134	1.36	2 16	1/2-5/8	3/4-1	7/16-1 1/16	10	
1136	1.36	2.16	5/16	3/4-1	5/16-1 1/16	10	
1139	1 92	2.80	3/4-1	1 1/16-7/8	1-1 1/16	11½	
1140	1 92	2 80	5/8-3/4	3/4-7/8	1 1/16-1 1/16	11½	

Thin Head Check Nut Wrenches—15° Angle, Double Head.

No.	Each—Semi-Finshd	Each—Finshd	Hex. Head Cap sc. Size	Size Screw S.A.E. Head & Nut	Milled Openings	Lgth
1325	.$0.50	.$0 76	1/4-1/16	1/4-1/16	1/16-1/16	4½
1326	50	76	1/4	1/4-1/16	1/16-1/32	4½
1327	50	.76	3/8	3/8	1/8-1/16	4½
1328	54	.96	3/8-1/2	3/8-1/2	1/8-5/16	5½
1330	.80	1.20	1/2-5/8	1/2-1/8	3/8-7/8	7

See Bottom of Second Column for Balance of Assortment.

Assortment No.	Ship. wt. ea.	Each
3 Semi-Finished	189 lbs	$173.16
3 Finished	189 lbs	254 52

Assortment No. 9

Consists of four of each size wrench, totaling 160 wrenches. Mounted on a wood display board. Size of board 46 in. by 10⅞ in.

Engineers' Wrenches—15° Angle, Double End.

No.	Each—Semi-Finshd	Each—Finshd	U.S.S. Bolt Size	Hex. Head Cap sc. Size	Size Screw S.A.E. Head & Nut	Milled Opengs
1107	$0 42	$0 64	1/16-1/4	1/16	1/16-1/16	1/32-7/64
1109	.50	.76	1/4-1/16	1/4-1/16	1/16-1/32	7/64-1/32
1111	50	.76	1/16-3/8	1/16-3/8	1/32-1/16	1/16-5/64
1112	.50	.76	1/4-1/16	1/16	1/32-1/16	1/32-5/64
1117	.62	92	3/8 1/2	3/8-1/2	1/16-3/16	3/64-1/16
1118	.62	92	1/16-3/8		3/32-1/16	1/16-1/16
1121	74	1.12		1/16-1/8	1/32-1/16	5/64-1/16
1123X	.74	1.12			1/32-1/16	1/16-3/64
1128	.90	1.36	1/16-1/2	5/8	1/16	3/32-7/64
1136	1.36	2.16	5/16-5/8		3/16-1/8	1/2-1 1/16

Textile Wrenches 22½° Angle, Double Head.

No.	Each—Semi Finshd	Each—Finshd	U.S.S. Bolt Size	Hex. Head Cap sc. Size	Size Screw S.A.E. Head & Nut	Milled Opengs
1557	$0.50	$0 76		1/4-1/8	1/4-1/8	1/16-1/32
1559	62	92	1/4-1/16		1/16	1/32-3/64
1652	62	92		3/8-1/16	3/8-1/16	1/16-3/64
1506	.80	1.20	3/8-1/8			1/8-1/32
1568	80	1.20		1/2-1/16	1/2	3/64-1/16

Light Service "S" Wrenches.

No.	Each—Semi Finshd	Each—Finshd	U.S.S. Bolt Size	Hex. Head Cap sc. Size	Size Screw S.A.E. Head & Nut	Milled Opengs
2000	$0.54	$0 76		1/4	1/4	3/64-1/8
2007	.68	.94		1/8-3/8	1/8-3/8	1/32-5/64
2017	86	1 16		1/8	1/16	5/64-1/16
2025	1 10	1 44		1/2-1/8	1/2	3/64-1/16
2035	1 40	1 80		5/8-3/4	1/8-1/8	7/64-1/8

Assortment No	Ship. wt. ea.	Each
8 Semi-Finished	71 lbs	$59 28
8 Finished	71 lbs	86 48

Assortment No. 3 Continued from First Column.

Light Service "S" Wrenches

No.	Each—Semi Finshd	Each—Finshd	Hex. Head Cap sc. Size	Size Screw S.A.E. Head & Nut	Milled Openings	Lgth
2000	$0 54	.$0.76	1/16-1/4	1/4	3/64-1/8	6¼
2001	54	76	1/16-1/8	1/16	3/64 1/32	6⅛
2007	68	.94	1/8-3/8	1/8-3/8	1/32-5/64	7⅛
2013	.86	1.16	1/8	1/8	1/16-1/16	8¼
2017	.86	1.16	1/8	1/8	5/64-1/16	8¼
2025	1 10	1.44	1/2-1/8	1/2	3/64-1/16	9¼
2026	1 10	1.44	1/2-5/8	1/2-3/8	3/64-7/64	9¼
2035	1.40	1 80	5/8-3/4	3/8-1/8	7/64-1/8	10⅝

WRENCH DISPLAY BOARDS

BILLINGS & SPENCER

DROP FORGED

ASSORTMENT NO. 10

Consists of three of each size wrenches, totaling 72 wrenches. Mounted on a wood display board. Size of board 26 in. by 9 7/16 in.

Engineers, 15° angle, double end.

No.	Each Semi-Finish	Each Nickel	U.S.S. bolt size	Hex. head Cap sc size	Size screw S.A.E. head and nut	Milled openings
1107	$0 42	$0.64	1/8-1/4	-7/8	-1/8	3/32-1/8
1109	.50	.76	-1/4	1/4-5/8	1/4-5/8	1/8-1/2
1111	.50	.76	1/4	5/8-3/8	5/8-3/8	1/2-5/8
1112	50	.76	1/4-7/8	7/8-	7/8-	1/2-3/4
1116	62	.92		3/8-7/8	3/8-7/8	7/8-5/8
1118	62	92	7/8-5/8			3/4-1/4
1123	.74	1.12	5/8-7/8			1/4-3/4
1126	.90	1.36	-1/2	1/2-5/8	1/2-7/8	3/4-7/8

Light service "S"

No.	Each Semi-Finish	Each Nickel	U.S.S. bolt size	Hex. head Cap sc size	Size screw S.A.E. head and nut	Milled openings
2000	$0.54	$0 76		3/16-1/4	-1/4	3/8-7/16
2007	.63	94	1/4-	7/8-5/8	7/8-5/8	1/2-7/8
2017	.86	1 16	-5/8	1/2-	1/2-	5/8-1 1/4
2025	1.10	1 44		1/2-7/8	1/2-	3/4-1 1/8

Assortment No.	Ship. wt. ea.	Each
10 Semi-Finished	20 lbs.	$23.94
10 Nickel	20 lbs.	34 62

ASSORTMENT NO. 11

Consists of three of each size wrenches, totaling 72 wrenches. Mounted on a wood display board. Size of board 26 in. by 9 5/16 in.

Thin head check nut or tappet, 15° angle, double end.

No.	Each Semi-Finish	Each Nickel	Hex. head cap screw size	Size screw S.A.E. head and nut	Milled openings
1325	$0 50	$0 76	7/16-1/4	-1/4	3/16-1/8
1326	50	.76	1/4-7/16	1/4-5/16	1/8-1/2
1327	.56	76	5/16-3/8	5/16-3/8	1/2-5/8
1328	.64	96	3/8-1/2	3/8-1/2	5/8-5/8
1329	.64	96	1/2-1/2	7/16 1/2	5/8-3/4
1330	80	1.20	1/2-5/8	1/2-5/8	3/4-7/8

Automotive, 22½° angle, double head.

No.	Each Semi-Finish	Each Nickel	Hex. head cap screw size	Size screw S.A.E. head and nut	Milled openings
1557	$0.50	$0.76	1/4-7/16	1/4-7/16	1/8 1/2
1558	.62	.92	7/16-3/8	7/16-3/8	1/2-7/8
1562	.82	.92	3/8-7/8	3/8-7/8	7/8-5/8
1570	1.06	1.56	1/2-3/4	1/2-1 1/8	3/4 1

Long, thin head tappet, 15° angle, double end.

Lengths: 7 and 8 inches

For valve tappets, check nuts and adjusting screws.

No	Each Semi-Finish	Each Nickel	U.S.S. Nuts	S.A.E. Nuts	Milled openings
1335	$0 84	$1.16	1/4-	7/16-3/8	1/2-7/16
1336	1.00	1.40	-5/8	7/8-	5/8-1 1/8

Assortment No	Ship. wt. ea.	Each
11 Semi-Finished	14 lbs	$24 60
11 Nickel	14 lbs	36 36

WRENCHES

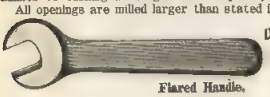
BILLINGS & SPENCER

ENGINEERS AND MACHINISTS

Wrenches have openings milled, edges ground, hardened and heads polished. The opening forms an angle of 15° with the handle, which admits of turning a hexagon nut completely around, where the swing of the handle is limited to 30°.

All openings are milled larger than stated in tables to allow for clearance of +.005 on smaller to +.040 on larger forgings.

DROP FORGED, 15° ANGLE, SINGLE END



Flared Handle.

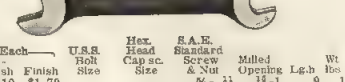
No.	Each—Semi-Finish	Each—Finish	U.S.S. Bolt Size	Hex. Head Cap sc. Size	Milled Opening	Lg'th	Thickness of Head	Wt. ozs each
*1000A	$.28	$.44			¼	3	15/64	1
*1000	.28	.44	⅛	⅛	⅛	3	15/64	1
1001	.30	.50	5/32	5/32	5/32	4	1/4	1
*1002	.30	.50	¼	⅛	⅛	4	1/4	1
1003	.36	.56	¼	⅛	⅛	5	5/16	3
*1004	.36	.56	⅜	⅛	⅛	5	5/16	3
1005	.44	.64	⅜	3/16	3/16	5½	11/32	4
*1006	.44	.64	7/16	3/16	7/32	5½	11/32	4
1007	.52	.76	7/16	3/16	7/32	6½	3/8	6
*1008	.52	.76	½	¼	¼	6½	3/8	6
1008	.64	.90	½	¼	¼	7½	13/32	7
*1010	.64	.90	½	¼	9/32	7½	13/32	7
1011	.76	1.08	½	⅜	⅜	8	13/32	8
1012	.92	1.30	½	⅜	11/32	8½	15/32	10
*1013	.92	1.30	¾	1	11/32	8½	15/32	10
1014	1.14	1 64	⅝	1	1	9¼	16/32	13
*1015	1 50	2.10	⅞	1	1⅛	11	19/32	22
1016	1.50	2.10	⅞	1	1¼	11	19/32	22
*1017	2.30	3.04	1	1⅛	1⅜	13	21/32	33
1018	2.30	3.04	⅞	1	1⅜	13	21/32	33

Tapered Handle.

No.	Each—Semi-Finish	Each—Finish	U.S.S. Bolt Size	Hex. Head Cap sc. Size	Milled Opening	Lg'th	Thickness of Head	Wt. lbs. each
*1019	$3.20	$4.20			1¼	15	⅝	3
1020	3.20	4.20	1		1⅛	15	⅝	3
1021	4.20	5.60	1⅛		1 1/16	16⅛	1 1/16	5
1022	5.70	7.40	1¼		2	18	1⅛	5
1023	7.30	9.40	1⅜		2 1/16	20	1 1/16	9
1024	9.20	11.60	1½		2⅜	22	1 1/16	9
1025	11.20	14.20	1⅝		2 1/16	24	1 1/16	11
1026	13.40	17.00	1⅞		2⅜	26	1 1/16	12
1027	13.40	17.00	1⅞		2 1/16	28	1⅝	18
1028	20.50	26.00	2		3 1/16	30	1⅝	18
1029	29.50	36.00	2¼		3 1/16	34	1½	28
*1030	42.00	50.00	2½		3⅞	38	1 1/16	38
*1031	42 00	50.00	2⅝		4 1/16	42	1⅝	47
*1032	42.00	74.00	3		4⅝	43	1⅝	49

DROP FORGED, 15° ANGLE, DOUBLE END

No	Each—Semi-Finish	Each—Finish	U.S.S. Bolt Size	Hex. Head Cap sc. Size	S.A.E. Stand. Screw & Nut	Milled Opening	Lg'th	Thickness Head	Wt ozs
*1100A	$0.32	$0.46				1/4	3½	1/16	1½
*1100	.34	.52		1/8	1/4	1/16	⅝	1/16	1½
1101	.34	.52	1/8	1/8		1/16	1¾	1/16	1½
1102	.34	.52		1/8	1/4	1/16	1¾	1/16	1½
1103	.42	.64	1/8	1/4		1/16	2½	1/16	2
1104	.42	.64		1/8	1/4	3/32	2½	1/16	2
1105	.42	.64		1/8	5/16	3/32	2½	1/16	2
*1106	.42	.64		1/8	5/16	3/32	2½	1/16	2
1107	.42	.64	5/16	1/4		1/8	2½	1/16	2
*1108	.50	.76	5/16	1/4		1/8	3	1/16	3
1109	.50	.76		1/4	1/4	1/16	3	1/16	3
*1110	.50	.76		1/4	5/16	1/16	3	1/16	3
1111	.50	.76		1/8	5/16	1/16	3	1/16	3
1112	.50	.76	1/4	1/8		1/16	3	1/16	3
1113	.50	.76		1/8	1/2	1/16	3	1/16	3
1114	.62	.92	1/4	3/8		1/16	4	1/16	4
*1115	.62	.92		1/8	1/2	1/16	4	1/16	4
1116	.62	.92		3/8	1/2	1/16	4	1/16	4
1117	.62	.92		3/8	1/2	1/16	4	1/16	4
1118X	.62	.92			3/8	1/16	4	1/16	6½
1118	.62	.92	1/8	3/8		1/16	4	1/16	6½
*1119	.74	1.12	1/8			1/16	6¾	3/16	6½
*1119X	.74	1.12			1/8	1/16	6¾	3/16	6½
1120	.74	1.12		1/8	1/2	1/16	6¾	3/16	6½
1120X	.74	1.12			1/8	1/16	6¾	3/16	6½
1121	.74	1.12		1/8		1/16	6¾	3/16	6½
*1122	.74	1.12		1/8	5/8	1/16	6¾	3/16	6½
*1122X	.74	1.12			1/2	1/16	6¾	3/16	9
1123	.74	1.12	3/8	1/8		1/16	6¾	3/16	9
1124	.90	1 36	3/8	1/2		1/16	7/8	.8	1/16	10
1125	.90	1.36		1/2	1/8	1/16	7/8	.8	1/16	10
1126	.90	1.36		1/2	5/8	1/16	7/8	.8	1/16	10
*1127	.90	1.36		1/2	3/4	1/16	7/8	.8	1/16	10
1128	.90	1.36	1/8	1/2		1/16	7/8	.8	1/16	13½
*1129	1.10	1.70	1/8	1/2		1/16	⅞	.9	1/16	13½
*1130	1.10	1 70		1/2	5/8	1/16	7/8	.9	1/16	13½
*1131	1.10	1.70		1/2	¾	1/16	1	.9	1/16	13½
1132	1.10	1.70	1/4	1/2		1/16	⅞	.9	1/16	16



No	Each—Semi-Finish	Each—Finish	U.S.S. Bolt Size	Hex. Head Cap sc. Size	S.A.E. Standard Screw & Nut	Milled Opening	Lg'th	Thickness Head	Wt lbs
1132X	$1.10	$1.70				5/16	1 1/16	1	9
1133	1.10	1.70		5/8	¾	5/16	1 1/16	⅞	9
1134	1.36	2.16	3/8	⅝		5/16	⅝	1 1/16	10
*1135	1.36	2.16		⅝	⅞	5/16	1 1/16	1 1/16	10
*1136X	1.36	2.16			⅝	5/16	1 1/16	1 1/16	10
1136	1.36	2.16	⅜	⅝		3/8	1 1/16	1 1/16	10
1137	1.92	2.80	⅜	⅝		3/8	1 1/16	1 1/16	11
1138	1.92	2.80		⅝	⅞	1	1 1/16	1 1/16	11
1139	1.92	2.80		⅝	1	1 1/16	⅞	1 1/16	11
1140	1.92	2.80	⅝	⅝		1 1/16	1 1/16	1 1/16	11
*1140X	1.92	2.80			⅞	1 1/16	1 1/16	1 1/16	11
1141	2.80	3.80	⅝	⅞		1 1/16	1 1/16	1 1/16	13
1142	2.80	3.80		⅞	1	1 1/16	1 1/16	1 1/16	13
*1143	2.80	3.80		⅞	1⅛	1 1/16	1 1/16	1 1/16	13
*1144	2.80	3.80		⅞	1¼	1 1/16	1 1/16	1 1/16	13
*1145	2.80	3.80	1	1⅛		1 1/16	1 1/16	1 1/16	13
1146	2.80	3.80	¾	⅞		1 1/16	1 1/16	1 1/16	13
*1147	2.80	3.80	1	1¼		1 1/16	1 1/16	1 1/16	13
1148	3.80	5.20	¾	1		1 1/16	1 1/16	1 1/16	16
*1149	3 80	5.20		1⅛	1¼	1 1/16	1 1/16	1 1/16	4
1150	3.80	5 20	⅞	1		1 1/16	1 1/16	1 1/16	16
*1151	5.30	7 00	⅞	1⅛		1 1/16	1 1/16	1 1/16	18
*1152	5.30	7 00	1	1¼		1 1/16	1 1/16	1 1/16	18
1153	5.30	7.00	1	1⅜		1 1/16	1 1/16	1 1/16	18
1154	7.20	9.40	1	1¾		1 1/16	1 1/16	1 1/16	2
1155	7.20	9.40	1	1¾		1 1/16	1 1/16	1 1/16	2
*1156	10.50	13.40	1	1⅜		1 1/16	1 1/16	1 1/16	2
1157	10 50	13.40	1	1⅜		1 1/16	1 1/16	1 1/16	2
1158	14.00	17.60	1	1¾		1 1/16		2	2⅜	24	14
*1159	14 00	17.60	1	1⅜		1 1/16		2	2⅜	24	14
*1160	18 00	22.50	1	1⅝		1 1/16		2	2⅜	26	17
*1161	19 80	24 80	1	1⅝		1 1/16		2	2⅜	26	17
1162	22 00	27 30	1	1¾		1 1/16		2	2⅜	27	17
*1163	24.00	30.00	1	1¾		1 1/16		2	2⅜	27	22
*1164	30.00	38.00	1	2		1 1/16		2	2⅜	32	25
*1165	40 00	48.00	1	2¼		1 1/16		2	2⅜	34	31
*1166	47.00	57.00	1	2½		1 1/16		2	3⅛	36	39

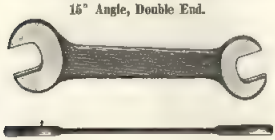
*Factory shipment only.

Loose.

WRENCHES
BILLINGS & SPENCER
DROP FORGED

THIN HEAD CHECK-NUT WRENCHES

15° Angle, Double End.



Showing side view thin construction

No.	Each Semi-Fin.	Each Fin.	Hex Head Cap Screw	S.A.E. Std. Nut and Cap Screws Size Bolt or Screw	Milled Open'g	Length	Thickness Heads	Wt. lbs.
1325	$0.50	$0.76	5/16-1/4	1/4	5/8-5/16	4 1/2	3/8	1/2
1326	.50	.76	1/4-5/16	1/4-5/16	16-1/2	4 1/2	3/8	1/2
1327	.50	.76	5/16-5/8	5/16-3/8	1/2-7/16	4 1/2	3/8	1/2
1328	.64	96	3/8-7/16	3/8-7/16	9/16-5/8	5 1/2	7/16	1/2
1329	.64	96	7/16-1/2	7/16-1/2	5/8	3/4	5 1/2	7/16	3/4
1330	.80	1.20	1/2-5/8	1/2-9/16	3/4-7/8	7	1/2	1/4

No.	Each Semi-Fin.	Each Fin	U. S. Stand. Bolt Size	Milled Opening	Length	Thickness Heads	Wt. lbs.
1350	$0 60.	$0.76	5/16-1/4	13/32-1/2	4 1/2	3/8	1/2
*1351	.50	.76	5/16-5/16	29/64-13/32	4 1/2	3/8	1/2
1352	.50.	.76	3/4-5/16	1/2-17/32	4 1/2	3/8	1/2
*1353	.64	.96	3/4-3/8	1/2-11/16	5 1/2	7/16	1/4
1354	.64.	.96	5/16-3/8	13/32-11/16	5 1/2	7/16	3/4
*1355	.64	.96	7/16-7/16	33/64-35/64	5 1/2	7/16	3/4
1356	80.	1.20.	3/4-7/16	11/16-39/64	7	1/2	3/4
*1357	.80.	1.20	3/8-1/2	11/16-7/8	7	1/2	3/4
1358	.80	1.20	7/16-1/2	39/64-7/8	7	1/2	3/4
*1359	1 12.	1.60	7/16-5/8	13/16-15/16	8 1/2	1/4	1/2
1360	1.12.	1.60.	1/2-7/16	7/8-31/32	8 1/2	1/4	1/2
*1361	1.12	1.60.	1/2-5/8	7/8-1 1/16	8 1/2	1/4	1/2
*1362	1 68.	2.30.	1/16-5/8	31/32-1 1/16	10 1/2	5/8	7/8
*1363	1.68	2.30.	1/16-3/4	31/32-1 1/4	10 1/2	5/8	7/8
1364	1.68.	2.30	5/8-3/4	1 1/16-1 1/4	10 1/2	5/8	7/8
*1365	2.60.	3 50.	5/8	1 1/8-1 1/16	12 1/2	13/32	2
*1366	2 60	3.50	3/4-7/8	1 1/4 1 5/16	12 1/2	13/32	2
1367	2.60.	3.50	3/4-1	1 1/4-1 5/16	12 1/2	13/32	2

LONG, THIN HEAD TAPPET WRENCHES

15° Angle, Double End.
For valves, tappets, check nuts and adjusting screws.

No.	Each Nickel	U.S.S. Nuts	S.A.E. Nuts	Milled Openings	Lgth	Thickness Heads	Wt. lbs.
1334	$0.96	1/8	7/64	1/8-7/64	.6	5/32	1/4
1335	1.16	1/4	1/8-5/32	1/32-9/64	7	3/32	1/4
1336	1.40	5/32	7/64	5/32-11/64	8	1/8	3/8

Loose.

*Factory shipment only

SET SCREW WRENCHES

22½° Angle, Double End.

No.	Each Semi-Fin.	Each Fin	Milled Opening for Set Screw Size	Length	Thickness Heads	Wt. lbs.
1523	$0 40	$0.60	1/8-1/4	3 1/2	1/8	1/8
*1524	.48	.70	1/8-7/32	4	1/4	1/8
1525	.48	.70	1/4-7/32	4	1/4	1/8
*1526	.58	.84	1/4-3/8	5	7/32	1/4
1527	.58	.84	7/32-3/8	5	7/32	1/4
*1528	.70	1.04	7/32-7/16	6	13/64	1/4
1529	.70	1.04	3/8-7/16	6	13/64	1/4
*1530	.90	1.32	3/8-1/2	6 3/4	3/8	1/2
1531	.90	1.32	7/16-1/2	6 3/4	3/8	1/2
*1532	1.08	1.60	1/2-9/16	7 1/2	1/16	1/2
1533	1.08	1.60	1/2-5/8	7 1/2	1/16	1/2
*1534	1.30	1.92	1/2-5/8	8 1/2	1/2	7/8
1535	1.30	1.92	7/16-5/8	8 1/2	1/2	7/8
*1536	1.60	2.80	7/16-3/4	10	5/16	1 1/8
1537	1.60	2.30	5/8-3/4	10	5/16	1 1/8
*1538	2.00	2.80	5/8-7/8	11 1/8	5/8	1 1/2
1539	2.00	2.80	3/4-7/8	11 1/8	5/8	1 1/2
1540	2.60	3.50	3/4-1	12 1/2	11/16	2
*1541	2.60	3.50	7/8-1	12 1/2	11/16	2
*1542	3.50	4.50	7/8-1 1/16	14	13/16	4
*1543	3.50	4.50	1-1 1/16	14	13/16	4

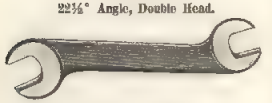
WRENCHES

BILLINGS & SPENCER

DROP FORGED

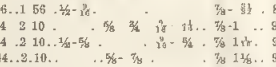
TEXTILE

22½° Angle, Double Head.



No.	Each Semi-Fin.	Each Fin.	U.S. Stand. Bolt Size	Hex. Head Cap sc. Size	S.A.E. Stand. Screw & Nut	Milled Opening	Length	Thickness Hds	Wt. ozs.
*1550	$0.34	..0.56	..	..	..	.. 7/16- 1/4	3½	7/16	2
*1551	.34	.56	..	..	..	.. 7/16- 7/16	3½	7/16	2
*1552	.50	.76	1/4- 3/8	..	..	.. 7/16- 1/2	4¾	1/4	3
1553	.50	.76	..	5/16- 1/4	..	.. 9/16- 7/16	4¾	1/4	3
*1554	.50	.76	..	7/16- 7/16	..	. 9/16- 1/2	4¾	1/4	3
*1555	.50	.76	7/16- 1/4	..	..	.. 11/32- 1/2	4¾	1/4	3
*1556	.50	.76	7/16- 7/16	..	.	. 11/32 11/32	4¾	1/4	3
1557	.50	.76	..	1/4- 7/16	1/4- 7/16	7/16- 1/2	4¾	1/4	3
1558	62	92	..	7/16	5/16- 7/16	.. 1/2- 7/16	5¾	7/16	5
1559	.62	92	1/4- 7/16	..	..	.. 1/2- 9/16	5¾	7/16	5
*1560	.62	.92	..	7/16- 5/16	7/16 7/16	.. 1/2- 5/8	5¾	7/16	5
*1561	.62	.92	1/4- 3/8	..	..	. 1/2- 11/16	5¾	7/16	5
1562	.62	.92	..	3/8- 7/16	3/8- 7/16	.. 5/8- 5/8	5¾	7/16	5
*1563	.62	.92	..	..	..	.. 5/8- 11/16	5¾	7/16	5
*1564	.62	.92	5/16- 3/8	.	.	. 5/8- 5/8	5¾	7/16	5
*1565	.80	1.20	7/16- 7/16	..	..	13/16- 5/8	7	1/2	8
1566	.80	1.20	3/8- 7/16	.	.	13/16- 13/16	7	1/2	8
*1567	.80	1.20	3/8- 1/2	.	.	13/16- 7/8	7	1/2	8
1568	.80	1.20	..	1/2 1/2	.	. 3/4- 11/16	7	1/2	8
1569	.80	1.20	..	1/2- 5/8	.	3/4- 7/8	7	1/2	8
*1570	1 06	1.56	..	1/2- 3/4	1/2 1/2	3/4 1	8¼	5/8	11
*1571	1.06	1.56	1/2- 1/2	.	..	. 13/16- 7/8	8¼	5/8	11
*1572	1.06	1.56	7/16- 7/16	..	..	15/16- 15/16	8¼	5/8	11
*1573	1.06	1.56	..	7/16- 3/4	.	15/16-1	8¼	5/8	11
*1574	1.06	1 56	1/2- 7/16	.	.	7/8- 15/16	8¼	5/8	11
1575	1 44	2 10	.	5/8 3/4	7/16 11/16	7/8-1	9½	7/16	17
*1576	1 44	.2 10	1/2- 5/8	.	.	1/16- 3/4	7/8 1 1/16	9½	7/16	.17
*1577	1.44	.2.10	..	5/8- 7/8	.	7/8 1 1/16	9½	7/16	17
*1578	1.44	2.10	7/16- 5/8	.	.	15/16-1 1/16	9½	7/16	17
*1579	1.44	.2.10	5/8- 3/4	..	..	1 1/16- 1 1/4	9½	7/16	17
*1580	1.92	.2.80	5/8- 3/4	..	3/4- 7/8	.1 1/16-1 3/4	11	1/2	24
*1581	1.92	.2.80	3/8- 7/8	..	3/4-1	..1 1/16-1 1/16	11	1/2	24
1582	1.92	.2 80	.	7/8-1	.	..1 1/16-1 1/8	11	1/2	24
*1583	1.92	.2.80	3/4- 7/8	..	7/8-1	. 1 1/4-1 7/16	11	1/2	24

CONSTRUCTION, 15° ANGLE



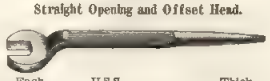
No.	Each Unfinished	Each Finished	U.S.S. Bolt Size	Milled Opening	Length	Thickness Head	Wt. lbs.
1675	...$0.70	....$0.90	5/8	7/16	9½	7/16	½
*1676	... .70	.90	7/16	15/32	9½	7/16	½
1677	.. 90	. 1.16	1/2	7/8	11¾	1/2	1
1678	. 90	. 1.16	7/16	7/8	11¾	1/2	1
1679	. 1 24	. 1.60	5/8	1 1/8	13½	5/8	1½
1680	. 1 72	... 2 20	3/4	1¼	.15½	5/8	2½
*1681	2 36	.. 3 00	7/8	1 5/16	17½	3/4	2⅞
1682	. 3.20	. 4.20	...1	. 1 9/16	19	3/4	4¼
*1683	... 4 40	. 6.00	.1 1/8	....1 1/2	21	7/8	6⅞
1684	4 40	. 6 00	.1¼	2	.21	.7/8	7

Loose.

*Factory shipment only.

STRUCTURAL

Straight Opening and Offset Head.

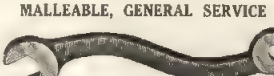


No.	Each Unfinished	Each Semi-finished	U.S.S. Bolt Size	Openings	Length	Thickness Head	Hdle Offset	Wt. lbs.
*1700	..$0.66	..$0.80	1/4	3/16	8	5/16	1 1/16	1/4
1701	.. .66	.80	5/16	5/16	8	5/16	1 1/16	1/4
1702	.. .80	1.04	5/16	3/8	9½	7/16	7/16	1/2
1703	.. .80	1.04	7/16	1/2	9½	7/16	7/16	1/2
1704	.. 1.04	1.40	1/2	5/8	11¾	1/2	1	3/4
*1705	.. 1.04	1.40	7/16	1	11¾	1/2	1	3/4
1706	.. 1.48	1.96	5/8	1 1/16	13½	5/8	1 1/16	1 1/4
1707	.. 2.04	2.68	3/4	.1 19/64	.15½	11/16	1 1/4	2⅝
*1708	.. 2.80	3.60	7/8	1½	.17	3/4	1 1/16	3⅝
1709	.. 3.80	5.00	1	1 1/16	19	13/16	1 3/8	3⅞
*1710	.. 3.80	5.00	1 1/8	1 3/8	19	13/16	1 3/8	4 1/2
1711	.. 7.00	8.50	1¼	2 1/16	24	1	1 3/4	

LIGHT SERVICE

No.	Each Semi-Fin.	Each Fin.	Hex. Head Cap sc. Size	S.A.E. Stand. Screw & Nut	Milled Opening	Extreme Length	Thickness Hed.	Wt. lbs.
2000	$0 54	$0 76	.. 7/16- 1/4	..	.. 5/8- 7/16	6½	7/16	1/2
2001	54	.76	7/16- 7/16	.	.. 5/8- 1/2	6½	5/16	1/2
2007	.68	.94	7/16- 3/8	. 7/16- 5/8	.. 1/2- 7/16	7 1/8	1/4	1/4
2009	68	.94	7/16- 7/16	7/16- 7/16	1/2- 5/8	7 1/8	.1/4	1/4
2011	86	. 1 16	7/16- 1/2	7/16- 1/2	.. 1/2- 3/4	8¼	5/8	1/2
2018	.86	. 1.16	7/16- 1/2	.. 7/16- 1/2	.. 5/8- 3/4	8¼	5/8	1/2
2020	1.10	. 1.44	.. 1/2- 5/8	1/2- 7/16	.. 3/4- 7/8	9¼	3/8	3/4
2033	1.40	. 1.80	.	. 7/16- 5/8	. 7/8- 1	.10	3/8	.1
2035	1.40	. 1 80	5/8- 3/4	7/8- 1	. 7/8-1	.. 10	3/8	..1

MALLEABLE, GENERAL SERVICE



High grade malleable iron.

No.	For nuts, size bolts	Size opening	Length	Each
M 5	5/16 & 1/4 in	1/2 & 9/16 in	6¼ in	$0 07
M 7	7/16 & 5/16 in	5/8 & 5/8 in	7⅛ in	.14
M 9	5/8 & 7/16 in	.5/8 & 11/16 in	8¼ in	20
M11	1/2 & 1/2 in	.3/4 & 7/8 in	9¼ in	26
M13	5/8 & 1/2 in	1/2 & 1 in	10⅜ in	.35

One-half dozen in a cardboard box.

MALLEABLE, GENERAL SERVICE, IN SETS

Set No.		Per set
711	One each, M5, M7, M9, M11, M13 in cardboard box	$1 70
R711	One each, M5, M7, M9, M11, M13, in canvas roll	2.30

Weight per set, 2½ lbs.

RADIO SETS

CROSLEY MODEL XL

FOUR TUBE CONSOLETTE

This set is the latest model put out by the Crosley Manufacturing Company, which is similar to the XJ model consisting of four tubes which incorporate one stage of Crosley impedance coupled tuned radio frequency amplification, a detector and two stages of audio amplification. This set is assembled with a loud speaker in a solid mahogany cabinet, mensuring 13⅜ inches high, 23 inches wide and 13⅜ inches deep. The rear of the cabinet is easily accessible by raising the hinged lid, and there is ample room for six or eight dry cells to supply the filament current, and a shelf for the necessary "B" batteries. The cabinet is fitted with doors in the front, which are covered with gold cloth. The right hand door opens to allow adjusting of loud speaker, and the left hand door, upon opening, reveals the operating controls

Provision is made for headphones and plug to tune in on three tubes when it is desired to use headphones. The loud speaker unit, which is supplied without additional cost and built into the set, is connected to the fourth tube

This set has remarkable selectivity, which will permit tuning through powerful local broadcasting stations and bring in distant stations, and will at the same time completely tune out local interference

Model XL—

Receiver only, with loud speaker $132.00

(Less headphones and antenna).

MATERIAL NECESSARY TO COMPLETE ABOVE

For Dry Cell Use

4 only 1½-volt dry cell tubes, standard base, No. C12	$5 00		$20 00
6 only dry "A" batteries, No. 7111	.50	..	3.00
3 only 22½-volt "B" batteries, No 768	1 90	..	5.70
Complete outfit for dry cell use			$160 70

(Less headphones and antenna).

For Storage Battery Use

1 only 6-volt detector tube, No. C300	$ 5 00	.	$ 5 00
3 only 6-volt amplifier tubes, No. C301A	5.00	.	15 00
1 only storage battery, No. R39W, (80 amp. hour)	20.50	.	20 50
3 only 22½-volt "B" batteries, No. 768	1.90	..	5 70
Complete outfit for storage battery use			$178 20

(Less headphones and antenna).

CROSLEY TYPE 3C

THREE TUBE CONSOLETTE

Armstrong Regenerative

Since radio broadcasting came into existence there has been a need for a complete receiver handsome enough to grace any living room and at the same time efficient. The 3C meets this demand

The 3C is completely self contained, all batteries and necessary equipment being housed in the cabinet. The cabinet is made of mahogany, finished in light brown mahogany.

3C is a regenerative receiver with a detector and two stages of audio amplification. A filament switch is provided so that the tubes can be turned out without turning the rheostats. A jack is provided for plugging in headphones on one stage of amplification and leaving the self contained loud speaker attached on two stages

The loud speaker (which is of special design) is also contained in the cabinet. All of the latest improvements are incorporated in this receiver, such as the new Crosley molded condenser, molded sockets, unique type of regeneration, etc

The multistat allows the use of any style tubes

The right door opens to allow adjusting the loud speaker. The left door upon opening reveals the operating controls, and the top lifts readily for making connections and changing tubes

When the few simple adjustments have been made, the doors may be closed entirely to conceal the apparatus, the music and voice pouring through the grilled door.

Type 3C—

Receiver only, with loud speaker $121 00

(Less headphones and antenna)

MATERIAL NECESSARY TO COMPLETE ABOVE

For Dry Cell Use

3 only 1½-volt dry cell tubes, standard base, No. C12	$5.00	..	$15 00
4 only dry "A" batteries, No. 7111	50.		2 00
2 only 22½-volt "B" batteries, No 768	1 90		3 80
Complete outfit for dry cell use			$141 80

(Less headphones and antenna)

For Storage Battery Use

1 only 6-volt detector tube, No. C300	$ 5.00	..	$ 5.00
2 only 6-volt amplifier tubes, No. C301A	5.00	..	10.00
1 only storage battery, No. R39W, (80 amp hour)	20.50	..	20.50
2 only 22½-volt "B" batteries, No. 768	1 90		3 80
Complete outfit for storage battery use			$160 30

(Less headphones and antenna).

RADIO SETS

CROSLEY MODEL XJ
FOUR TUBE

Consisting of One Stage of Tuned Radio Frequency, Detector and Two Stages of Audio Frequency Amplification

The new XJ is equipped with a phone jack, so that it is now possible to plug in on one stage of audio frequency, detector and one stage of radio frequency for headphones. Removing the phone plug automatically switches to the loud speaker binding post which is always connected from the rear. Binding posts have been eliminated from the front of the panel, so that all connections, other than the phone plug, are made from the rear, eliminating unsightly wires from the front of the table. A filament switch has been provided, so that the tubes can be turned out, leaving in tune any station, and eliminating the necessity of disconnecting battery clips or turning out the rheostats. New knobs and dials have been provided. The new large knob gives vernier control to the condensers.

The Crosley tuned radio frequency circuit, refined and improved is found in the XJ. This wonderful circuit is made possible through the use of Crosley variable condensers on account of their low internal resistance and freedom from body capacity effects. The Crosley Manufacturing Company originated this circuit, the first successful method of control of radio frequency amplification. Crosley tuned radio frequency amplification makes it possible to tune sharply to any wave length between 200 and 600 meters, which is impossible with transformer coupled radio frequency amplification.

Consisting of One Stage of Tuned Radio Frequency, Detector and Two Stages of Audio Frequency Amplification

All of the units are mounted on genuine Formica panel with sub-binding post panel of the same material. Heavy buss bar wiring is used throughout, making this set substantial for shipment.

The panel is mounted in a solid mahogany cabinet, natural brown, rubbed mahogany finish

Model XJ—
Receiver only (less headphones and antenna) $60.00

MATERIAL NECESSARY TO COMPLETE ABOVE

For Dry Cell Use

4 only 1½-volt dry cell tubes, standard base, No. C12	$5 00	$20 00
6 only dry "A" batteries, No. 711	50	3 00
2 only 45-volt "B" batteries, No. 767	5 00	10 00
Complete outfit for dry cell use		$93 00

(Less headphones and antenna)

For Storage Battery Use

1 only 6-volt detector tube, No. C300	$ 5.00	$ 5.00
3 only 6-volt amplifier tubes, No. C301A	5.00	15.00
1 only storage battery, No. R38W, (80 amp. hour)	20.50	20.50
2 only 45-volt "B" batteries, No. 767	5.00	10.00
Complete outfit for storage battery use		$110.50

(Less headphones and antenna)

Loud Speaker Can Be Attached To This Set

CROSLEY SUPER XJ
FOUR TUBE

Consisting of One Stage of Tuned Radio Frequency, Detector and Two Stages of Audio Frequency Amplification. Incorporates Armstrong Regenerative and Miner Superdyne Features

The circuit used in the Super XJ has been pronounced by leading authorities throughout the country as the most efficient of the latest radio developments, enabling perfect regeneration, control of tuned radio frequency amplification with a minimum re-radiation and increased range, volume and selectivity

There are two stages of audio frequency amplification, which permit the operation of a loud speaker when receiving near by as well as far away broadcasting stations. A phone jack is provided so that headphones can be used on one stage of audio frequency, detector and one stage of radio frequency, when desiring to tune in long distance stations. Removing the phone plug automatically switches to the loud speaker binding posts which are always connected from the rear.

The large knobs on the dials permit Vernier control of the condensers; also, through the use of a filament switch all the tubes may be turned out, leaving in tune any station, and eliminating the necessity of disconnecting battery clips or turning out the rheostats.

All of the units are mounted on a genuine formica panel with the sockets and binding posts mounted on a sub-panel of the same material. The cabinet is made of solid mahogany, with a natural brown, rubbed mahogany finish

Model Super XJ—
Receiver only (less headphones and antenna) $71.50

MATERIAL NECESSARY TO COMPLETE ABOVE

For Dry Cell Use

4 only 1½ volt dry cell tubes, standard base, No. C12	$5 00	$20 00
6 only dry "A" batteries, No. 711	50	3 00
2 only 45-volt "B" batteries, No. 767	5.00	10 00
Complete outfit for dry cell use		$104 50

(Less headphones and antenna.)

For Storage Battery Use

1 only 6-volt detector tube, No. C300	$ 5.00	$ 5.00
3 only 6-volt amplifier tubes, No. C301A	5.00	15.00
1 only storage battery, No. R38W, (80 amp. hour)	20 50	20.50
2 only 45-volt "B" batteries, No. 767	5 00	10.00
Complete outfit for storage battery use		$122.00

(Less headphones and antenna.)

Loud Speaker Can Be Attached To This Set

RADIO SETS

CROSLEY TRIRDYN 3R3
THREE TUBE

Armstrong Regenerative

This three-tube Tridyne 3-R-3 receiver gives the efficiency and volume of a five-tube receiver. It consists of one stage of non-reradiating, non-oscillating radio frequency amplification. Armstrong regenerative feed-back detector, licensed under U. S. patent No 1,113,149, reflexes back on the first tube for first stage of audio frequency, and a third tube provides a second stage of audio frequency amplification.

This set has only two major tuning controls. These two dials can be calibrated accurately so that stations can be logged and returned to at will

A selector coil is provided on the receiver to be used sometimes during local interference in connection with some types of antenna, in order to provide greater selectivity.

Can be used satisfactorily with a very small indoor antenna which provides loud speaker volume even on long distance stations. Excellent results have been obtained without any antenna, using only a ground wire connected to the antenna binding post.

The Tridyn, or 3R3, gets its name from the combination of radio frequency, regeneration and reflex and also the fact that the set uses only three tubes.

It is encased in a beautifully finished, solid mahogany cabinet.

No. Tridyn 3R3—
Receiver only (less headphones and antenna) $71.50

MATERIAL NECESSARY TO COMPLETE ABOVE

For Dry Cell Use

3 only 1½-volt dry cell tubes, standard base, No. C12	$5.00	$15.00
4 only dry "A" batteries, No. 7111	.50	2.00
2 only 45-volt "B" batteries, No 767	5.00	10.00
Complete outfit for dry cell use		$98.50

(Less headphones and antenna)

For Storage Battery Use

1 only 6-volt detector tube, No. C300	$ 5.00	$ 5.00
2 only 6-volt amplifier tubes, No. C301A	5.00	10.00
1 only storage battery, No. R39W, (80 amp. hour)	20.50	20.50
2 only 45-volt "B" batteries, No. 767	5.00	10.00
Complete outfit for storage battery use		$117.00

(Less headphones and antenna).

Loud Speaker Can Be Attached To This Set

CROSLEY TRIRDYN SPECIAL
THREE TUBE

Armstrong Regenerative

The Crosley Tridyn Special is exactly the same as the Tridyn 3R3, except the solid mahogany cabinet is larger. There is sufficient space inside to house all the 6-inch No. 6 dry cells and the "B" batteries required when standard dry cell tubes are used Home furnishing experts have declared that the Tridyn Special is the most beautiful radio receiving set ever manufactured and radio experts have acclaimed it to be the most efficient. The Special Tridyn and the loud speaker placed on a library table, will be a welcome addition to the home from an artistic standpoint.

No. Tridyn Special—
Receiver only (less headphones and antenna) $82.50

MATERIAL NECESSARY TO COMPLETE ABOVE

For Dry Cell Use

3 only 1½-volt dry cell tubes, standard base, No. C12	$5.00	$15.00
4 only dry "A" batteries, No. 7111	.50	2.00
2 only 45-volt "B" batteries, No. 767	5.00	10.00
Complete outfit for dry cell use		$109.50

(Less headphones and antenna)

For Storage Battery Use

1 only 6-volt detector tube, No. C300	$ 5.00	$ 5.00
2 only 6-volt amplifier tubes, No. C301A	5.00	10.00
1 only storage battery, No. R39W (80 amp. hour)	20.50	20.50
2 only 45-volt "B" batteries, No. 767	5.00	10.00
Complete outfit for storage battery use		$128.00

(Less headphones and antenna)

Loud Speaker Can Be Attached to This Set

RADIO SETS

CROSLEY MODEL 52
THREE TUBE

Armstrong Regenerative

The Crosley 52 is a new three tube Armstrong regenerative receiver, licensed under U. S. Patent 1,113,149. It consists of tuner, regenerative detector, two stages of audio frequency, phone-jack to plug in on two tubes and filament switch to turn off the "A" and "B" batteries when the set is not in use. This receiver is unusually efficient, will provide loud-speaker volume on distant stations under practically all conditions, and is in every way an ideal receiver for the home. The parts are mounted on a beautifully grained panel of highest grade insulating material, and are in a hardwood, mahogany finished cabinet.

Model 52—

Receiver only (less headphones and antenna) $33.00

MATERIAL NECESSARY TO COMPLETE ABOVE

For Dry Cell Use

3 only 1½ volt dry cell tubes, std. base, No. C12..$5.00 .$15.00
6 only dry "A" batteries, No. 7111 ..... .50 . 3.00
2 only 45 volt "B" batteries, No. 767 . .. . 5 00 . 10.00

Complete outfit for dry cell use $61 00

(Less headphones and antenna)

For Storage Battery Use

1 only 6 volt detector tube, No. C300 ..... $ 5.00..$ 5 00
2 only 6 volt amplifier tubes, No C301A ... . 5.00.. 10 00
1 only storage battery, No R39W (80 amp hour).. 20.50 . 20.50
2 only 45 volt "B" batteries, No. 767 ..... 5.00.. 10 00

Complete outfit for storage battery use $78.50

(Less headphones and antenna)

Loud Speaker Can Be Attached To This Set

CROSLEY TYPE 3B
THREE TUBE

Armstrong Regenerative

The Type 3B fills a want for a high grade, three-tube regenerative receiver at moderate cost. In appearance and efficiency it needs no apology for low price. Its dull black panel, engraved with white letters, highly polished, black dials and knobs, and nickel trimmings, form a pleasing contrast to the beautiful piano-finished, solid mahogany cabinet, making it a "thing of beauty" for the most magnificent home. In combination with the battery cabinet, it becomes a decoration to any room as a finished piece of furniture.

This receiving set will operate with either dry cell or storage battery tubes. It is equipped with a Crosley multistat, designed to control properly the filaments of any type of tubes. The Type 3B is equipped with the Crosley Model "D" condenser, having molded plates. It also has a phone jack so that tuning may be done with headphones on detector, and one stage of audio frequency amplification. When the phone plug is removed, signals are automatically transferred to three tubes and the loud speaker, providing the latter unit has been added to the set

This receiver is in every way suitable for operation of a loud speaker of any standard make, and will furnish signals of sufficient volume to be heard all over the house under reasonably good conditions, from far-away stations

Type 3B—

Receiver only (less headphones and antenna) ... $46 00

MATERIAL NECESSARY TO COMPLETE ABOVE

For Dry Cell Use

3 only 1½-volt dry cell tubes, standard base, No C12 $5.00..$15.00
4 only dry "A" batteries, No. 7111 ... ... .50.. 2.00
2 only 22½-volt "B" batteries, No. 766 .... 2.50.. 5.00

Complete outfit for dry cell use $68.00

(Less headphones and antenna).

For Storage Battery Use

1 only 6-volt detector tube, No. C300 .....$ 5 00..$ 5 00
2 only 6-volt amplifier tubes, No C301A .. .. 5.00.. 10 00
1 only storage battery, No. R39W. (80 amp. hour) . 20 50.. 20.50
2 only 22½-volt "B" batteries, No. 766 ..... . 2.50.. . 5.00

Complete outfit for storage battery use $86.50

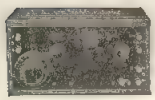
(Less headphones and antenna)

Loud Speaker Can Be Attached To This Set

RADIO SETS

CROSLEY MODEL 51

TWO TUBE



Consists of a detector and one stage of audio frequency amplification. It uses two standard storage battery or dry cell tubes, and is licensed under Armstrong U. S. Patent 1,113,149. This receiver will bring in local stations on the loud speaker at all times, and under average conditions will also bring in distant stations on the loud speaker.

The Crosley 51 is unusually selective. It incorporates standard sockets so that all makes of tubes may be used

The various units are mounted on beautifully engraved grained panels inside of hardwood, mahogany finished cabinets, which enclose all parts and tubes.

Model 51—

Receiver only (less headphones and antenna) $20.00

MATERIAL NECESSARY TO COMPLETE ABOVE

For Dry Cell Use

2 only 1½-volt dry cell tubes, standard base, No. C12	$5 00..	$10.00
3 only dry "A" batteries, No 7111	50..	1 50
1 only 45-volt "B" battery, No. 767	5.00 .	5.00
Complete outfit for dry cell use		$36 50

(Less headphones and antenna).

For Storage Battery Use

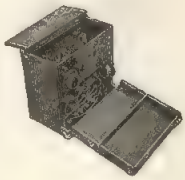
1 only 6-volt detector tube, No. C300	$ 5.00..	$ 5.00
1 only 6-volt amplifier tube, No. C301A	5.00..	5 00
1 only storage battery, No. R37W (60 amp. hour) ...	17.50..	17.50
1 only 45-volt "B" battery, No. 767	5.00.	5.00
Complete outfit for storage battery use . .		$52 50

(Less headphones and antenna).

Loud Speaker Can Be Attached To This Set

CROSLEY MODEL 51P—PORTABLE

TWO TUBE



Armstrong Regenerative

This is the new Crosley portable set. It is the Crosley model 51 two-tube receiver mounted in a leatherette covered carrying case, having nickel-plated trimmings and a leather handle. It has a compartment for a pair of headphones and a compartment large enough to hold three No. 7111 "A" batteries or three standard 6-inch dry cells and three No. 764 Eveready vertical, intermediate size, 22½ volt "B" batteries, thus providing for an ample power plant for continuous use over a reasonably long period of time with the popular dry cell vacuum tubes. This receiver can be used as a stationary set in the home or as a portable set to "take your entertainment with you" for camping trips, outings, etc. It is licensed under Armstrong U. S. Patent 1,113,149

Model 51P

Receiver only (less headphones and antenna). $27 50

MATERIAL NECESSARY TO COMPLETE ABOVE

For Dry Cell Use

2 only 1½ volt dry cell tubes, standard base, No. C12 $5 00..$10.00

Note—If desired, two C299 tubes with adapters can be used. C299 tubes are $5.00 each, adapters are $0.75 each.

3 only dry "A" batteries, No. 7111	.50..	1.50
3 only 22½ volt "B" batteries, No. 764.....	1.90..	5.70
Complete outfit for dry cell use (less headphones, antenna)..		$44.70

Loud Speaker Can Be Attached To This Set

RADIO SETS

CROSLEY MODEL VI
TWO TUBE

The Crosley Model VI cabinet is of hardwood, Adam brown mahog any finish, and compares favorably with the finest piece of furniture in a most particular housewife's parlor. This set combines one stage of tuned radio frequency with a tuner and audion detector.

The one stage of tuned radio frequency amplification not only amplifies the signal before it reaches the detector, enabling the detector to work more efficiently, but it also eliminates the interference to a wonderful degree

Tuning is very simple and this set alone will bring in distant broadcasting stations under almost all conditions. It consists of two tubes and has at least six times the volume of most one tube sets. Local broadcasting stations come in loud enough to be heard all over the room with a horn

Model VI—

Receiver only (less headphones and antenna) $26 00

MATERIAL NECESSARY TO COMPLETE ABOVE

For Dry Cell Use

2 only 1½-volt dry cell tubes, standard base, No C12	$5 00	$10 00
3 only dry "A" batteries, No 7111	.50..	1 50
1 only 45-volt "B" battery, No. 767	5 00	5 00
Complete outfit for dry cell use		$42 50

(Less headphones and antenna)

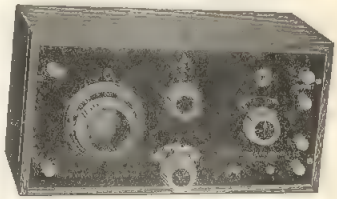
For Storage Battery Use

1 only 6-volt detector tube, No C300	$5 00	$ 5 00
1 only 6-volt amplifier tube, No. C301A	5 00	5 00
1 only storage battery, No. R37W (60 amp. hour) ...	17.50..	17.50
1 only 45-volt "B" battery, No. 767	5 00.	5 00
Complete outfit for storage battery use		$58 50

(Less headphones and antenna).

Loud Speaker Can Be Attached To This Set

CROSLEY TYPE V
ONE TUBE



Armstrong Regenerative

Wonderful efficiency, simplicity of operation and low cost are the chief factors in the growing success of the Type V Regenerative Radio Receiver. They are the things that have made the receiver the most popular on the market. This set is well known, thousands of them having been sold.

The Type V is a long range receiver. Stations from coast to coast are heard under ordinary conditions. Signals are clear and distinct.

A Crosley multistat, the universal filament control rheostat, is used in this receiver. This is a new and exclusive Crosley feature which permits use of any make of tube.

Type V— Receiver only (less headphones and antenna) . $17 50

MATERIAL NECESSARY TO COMPLETE ABOVE

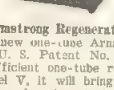
For Dry Cell Use (Less headphones and antenna).

1 only 1½-volt dry cell tube, standard base, No. C12 ..	$5.00..	$5.00
2 only dry "A" batteries, No. 7111	50..	1.00
1 only 22½-volt "B" battery, No. 76	2.50..	2.50
Complete outfit for dry cell use		$26.00

For Storage Battery Use (Less headphones and antenna).

1 only 6-volt detector tube, No. C300	$ 5.00..	$ 5.00
1 only storage battery, No. R37W, (60 amp. hour) ..	17.50..	17.50
1 only 22½-volt "B" battery, No. 766	2.50..	2 50
Complete outfit for storage battery use		$42 50

CROSLEY MODEL 50
ONE TUBE



Armstrong Regenerative

The Crosley 50 is a new one-tube Armstrong regenerative receiver, licensed under U. S. Patent No. 1,113,149. We believe this to be the most efficient one-tube receiver ever put on the market. Like the model V, it will bring in, under average conditions on headphones, broadcasting stations at a distance of one thousand miles or more.

The various parts of the new model 50 are mounted on a beautifully grained panel of highest grade insulating material, nickel plated trimmings, mounted in mahogany finished hardwood, cabinet having hinged lid. This receiver has standard socket, and is equipped with a Crosley multistat, which enables the user of any standard storage battery or dry cell vacuum tube

Model 50— Receiver only (less headphones and antenna) $16.00

MATERIAL NECESSARY TO COMPLETE ABOVE

For Dry Cell Use

1 only 1½ volt dry cell tubes, standard base, No. C12	$5.00	$ 5.00
Note—If desired, one C299 tube with an adapter can be used. C299 tubes are $5.00 each, adapters are $0.75 each.		
2 only dry "A" batteries, No. 7111	50..	1.00
1 only 45 volt "B" battery, No. 767	5 00	5 00
Complete outfit for dry cell use (less headphones, antenna)		$27 00

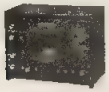
For Storage Battery Use

1 only 6 volt detector tube, No. C300	$ 5 00.	$ 5 00
1 only storage battery, No R37W (60 amp. hour)	17 50	17 50
1 only 45 volt "B" battery, No. 767	5.00	5 00
Complete outfit for storage battery use . .		$43 50

(Less headphones and antenna)

AMPLIFIER UNITS

CROSLEY MODEL 50A
TWO STAGE



Designed to match the new model 50 receiver. This unit is equipped with a filament switch for shutting off the current from the "A" and "B" batteries. When used in connection with the Crosley 50, it gives the equivalent of a three-tube regenerative receiver.

Model 50A
Amplifier only (less tubes) $20.00

ADDITIONAL MATERIAL NECESSARY TO COMPLETE ABOVE

For Dry Cell Use

2 only 1½ volt dry cell tubes, standard base, No. C12 $5.00 . $10.00
Note—If desired, two C299 tubes with adapters can be used. C299 tubes are $5.00 each. adapters are $0.75 each.
4 only dry "A" batteries, No. 7111 . . .50.. 2.00
1 only 45 volt "B" battery, No. 767 ... . .. 5.00.. 5.00

Amplifier outfit for dry cell use $37.00

For Storage Battery Use

2 only 6 volt amplifier tube, No. C301A ....$5.00..$10.00
1 only 45 volt "B" battery, No. 767 . . . . . 5.00.. 5.00

Amplifier outfit for storage battery use (less tubes) $35.00

CROSLEY MODEL 51A
ONE STAGE

Designed to match the Crosley 51 receiver. When used in connection with the Crosley 51, it gives the equivalent of a three-tube regenerative set. A Crosley multistat and standard socket permit the use of any make of amplifier tube. The cabinet of the Crosley 51A matches the cabinet of the Crosley 51 perfectly the combination forming a neat and attractive radio set

Model 51A
Amplifier only (less tube) $15 00

ADDITIONAL MATERIAL NECESSARY TO COMPLETE ABOVE

For Dry Cell Use

1 only 1½ volt dry cell tube, standard base, No. C12 $5.00..$ 5.00
Note—If desired, one C299 tube with an adapter can be used. C299 tubes are $5.00 each, adapters are $0.75 each.
2 only dry "A" batteries, No. 7111 ..... .50.. 1.00
1 only 45 volt "B" battery, No. 767 ..... 5.00.. 5.00

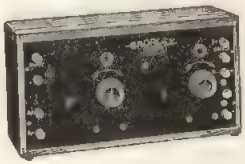
Amplifier outfit for dry cell use (less tube) $26.00

For Storage Battery Use

1 only 6 volt amplifier tube, No. C301A .....$5.00..$ 5.00
1 only 45 volt "B" battery, No. 767 ..... 5.00.. 5.00

Amplifier outfit for storage battery use (less tube) $25.00

CROSLEY MODEL IV
TWO STAGE



Designed for use with any audion detector unit, especially with the model VI. When attached to this receiver, the combination will be similar to the Type 3B.

Squeals and howls, so common in many of the amplifiers on the market, are unknown to owners of the Two-Stage Amplifier, which makes desired signals more audible and eliminates undesirable ones This unit does not produce volume, it amplifies it. In fact, it increases the volume of the model VI approximately 100 times.

It has been found that owners of the model VI, at first satisfied with using headphones, later desire to add a loud speaker, but before they can do this they must purcrase a two-stage amplifier. The amplifier was designed for them, and has met with tremendous success

Model IV—
Amplifier only (less tubes) $20.00

ADDITIONAL MATERIAL NECESSARY TO COMPLETE ABOVE

For Dry Cell Use

2 only 1½-volt dry cell tubes, standard base, No. C12 $5.00..$10 00
Note—If desired, two C299 tubes with adapters can be used. C299 tubes are $5 00 each, adapters are $0.75 each.
4 only dry "A" batteries, No. 7111 ..... .50.. 2.00
1 only 45-volt "B" battery, No. 767 ..... 5 00.. 5.00

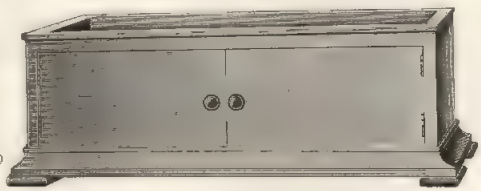
Amplifier outfit for dry cell use $37.00

For Storage Battery Use

2 only 6-volt amplifier tubes, No. C301A .... $5.00..$10.00
1 only 45-volt "B" battery, No. 767 .... 5.00.. 5.00

Amplifier outfit for storage battery use $35 00

BATTERY CABINETS



This beautiful battery cabinet is designed for use with the Crosley receivers. It is finished in brown mahogany. There is ample room for three "B" batteries and six dry cell "A" batteries. There is also room for headphones and other accessories. The cabinet is strongly built, and its neatness makes it in keeping with the most artistic surroundings.

No.	Wt each	Each
No	Wt each	Each
10—For Models XJ, Super XJ and Trirdyn	25 lbs	$17 50
20—For Type 3B ...	23 lbs	16 50

DOLLS

GERMAN

No. 2577

No 2576

No 2571

No 2574

All German Dressed Dolls are Sold in Assorted Colors and Styles of Dresses with Particular Attention to American Styles and Ideas. All Individual Numbers Contain Four More Assorted Styles and Colors of Dresses and Illustrations Herewith Have Simply a Representative Idea of the Various Styles Used for This Season; Assorted Dark and Toscan Hair.

FULL JOINTED DOLLS

Sleeping Eyes

Jointed Hips, Knee, Shoulder, Elbow and Wrist; Strictly First Quality Movable Heads Glued Wig, Long Curly Hair Trimmed with Ribbon; Moving Eyes with Eye Lashes; Fancy Embroidered Dress Trimmed with Ribbon Bow; Fancy Straw Hat, Nicely Trimmed; Knitted Socks and Cloth Shoes; Lace Trimmed Undergarments.

Per Dozen

No. 2577—Height, 22 inches; Weight per Dozen, 36 lbs.....**$168 00**

Twelfth Dozen in a Box

Jointed Hip, Knee, Shoulder, Elbow and Wrist; Strictly First Quality Movable Heads; Glued Wig; Long Curly Hair with Ribbon Bow to Match the Dress; Moving Eyes with Eye Lashes; Fancy Sateen Trimmed Dress with Ribbon Bow; Large Fancy Straw Hat with Genuine Ostrich Feathers; Fancy Knitted Socks and Shoes; Lace Trimmed Undergarments.

Per Dozen

No. 2576—Height, 19 inches; Weight per Dozen, 36 lbs.....**$126.00**

Twelfth Dozen in a Box

Jointed Hip, Knee, Shoulder, Elbow and Wrist; Very Fine Grade Movable Heads; Glued Wig; Long Curly Hair; Moving Eyes with Eye Lashes; Assorted Fancy Printed Dress with Ribbon to Match, Assorted Decorated Straw or Cloth Hats Trimmed to Match the Dress; Fancy Socks and Slippers, Fancy Trimmed Undergarments.

Per Dozen

No. 2575—Height, 20 inches; Weight per Dozen, 33 lbs.....**$102 00**

Twelfth Dozen in a Box

Jointed Hip, Knee, Shoulder, Elbow and Wrist; First Quality Movable Head; Glued Wig; Long Curly Hair; Moving Eyes with Eye Lashes; Very Fancy Silk Dress; Fancy Trimmed Straw Hat to Match; Fancy Trimmed Undergarments; Fancy Stockings and Slippers

Per Dozen

No. 2574—Height, 18 inches; Weight per Dozen, 25 lbs.....**$84 00**

Twelfth Dozen in a Box

Jointed Hip, Knee, Shoulder and Elbow, First Quality Movable Head; Glued Wig, Long Curly Hair; Moving Eyes with Eye Lashes, Fancy Printed Lawn Dress Trimmed with Lace and Ribbon Fancy Trimmed Undergarments; Fancy Socks and Slippers.

Per Dozen

No. 2573—Height, 19 inches; Weight per Dozen, 24 lbs.....**$78.00**

Twelfth Dozen in a Box

Jointed Hip, Knee, Shoulder and Elbow; First Quality Movable Head; Glued Wig, Long Curly Hair; Moving Eyes with Eye Lashes, Fancy Summer Lawn Dress, Trimmed with Ribbon; Fancy Summer Lawn Hat Trimmed with Feathers to Match the Dress; Fancy Trimmed Undergarments; Fancy Socks and Slippers.

Per Dozen

No. 2572—Height, 17 inches; Weight per Dozen, 18 lbs.....**$72.00**

Twelfth Dozen in a Box

FULL JOINTED DOLLS

Sleeping Eyes

Jointed Hip, Knee, Shoulder and Elbow, First Quality Movable Head; Glued Wig; Long Curly Hair; Moving Eyes with Eye Lashes; Cloth Dress, Trimmed with Lace and Ribbon Fancy Straw Bonnet to Match the Dress; Fancy Trimmed Undergarments, Socks and Slippers.

Per Dozen

No. 2570—Height, 17½ inches; Weight per Dozen, 24 lbs.....**$72.00**

Twelfth Dozen in a Box

Jointed Hip, Knee, Shoulder and Elbow; First Quality Movable Head; Glued Wig; Long Curly Hair, Moving Eyes with Eye Lashes; Fancy Sateen Dress Trimmed with Lace and Ribbon; Fancy Straw Hat, Trimmed to Match the Dress; Fancy Trimmed Undergarments; Socks and Slippers.

Per Dozen

No. 2571—Height, 17½ inches; Weight per Dozen, 18 lbs.....**$72 00**

Twelfth Dozen in a Box

Jointed Hip, Knee, Shoulder, Elbow and Wrist; First Quality Movable Head; Glued Wig; Long Curly Hair; Moving Eyes with Eye Lashes; Fancy Sateen Dress Trimmed with Lace and Ribbon; Fancy Straw Hat to Match; Fancy Trimmed Undergarments; Socks and Slippers.

Per Dozen

No. 2569—Height, 16½ inches; Weight per Dozen, 24 lbs.....**$72.00**

Twelfth Dozen in a Box

Jointed Hip, Knee, Shoulder and Elbow, First Quality Movable Head; Glued Wig; Long Curly Hair; Moving Eyes with Eye Lashes; Fancy Trimmed Gabardine Cloak, Trimmed with Ribbon; Decorated Straw Hat to Match; Plain Undergarments; Socks and Slippers

Per Dozen

No. 2705—Height, 17 inches; Weight per Dozen, 25 lbs.....**$72.00**

Twelfth Dozen in a Box

Jointed Hip, Knee, Shoulder and Elbow; First Quality Movable Head; Glued Wig; Long Curly Hair; Moving Eyes with Eye Lashes, Fancy Printed Lawn Dress Nicely Trimmed, Fancy Straw Hat, Trimmed to Match; Plain Undergarments; Socks and Slippers.

Per Dozen

No. 2566—Height, 18 inches; Weight per Dozen, 28 lbs.....**$60 00**

Twelfth Dozen in a Box

Jointed Hip, Knee, Shoulder and Elbow; First Quality Movable Head, Glued Wig with Curls; Moving Eyes with Eye Lashes; Fancy Lawn Dress, Nicely Trimmed; Fancy Trimmed Straw Hat; Plain Undergarments; Socks and Slippers.

Per Dozen

No. 2563—Height, 16½ inches; Weight per Dozen, 22 lbs.....**$60 00**

Twelfth Dozen in a Box

DOLLS

GERMAN

No. 2572

No. 2566

No. 2704

No. 2739

All German Dressed Dolls are Sold in Assorted Colors and Styles of Dresses, with Particular Attention to American Styles and Ideas; All Individual Numbers Come in Two or More Assorted Styles and Colors of Dresses, and Illustrations Here Given Are Simply a Representative Idea of the Various Styles Used for This Season; Assorted Dark and Light Hair

FULL JOINTED DOLLS
Sleeping Eyes

Jointed Hip, Knee, Shoulder and Elbow; Movable Head; Glued Wig with Long Curls; Moving Eyes with Eye Lashes; Assorted Fancy Trimmed Lawn Dress; Fancy Straw Hat to Match; Lace Trimmed Undergarments; Socks and Slippers.

Per Dozen

No. 2704—Height, 16 inches; Weight per Dozen, 18 lbs **$66 00**
Twelfth Dozen in a Box

Jointed Hip, Knee, Shoulder and Elbow; Movable Head; Glued Wig with Curls, Moving Eyes with Eye Lashes, Fancy Pleated Dress, Nicely Trimmed; Fancy Trimmed Cloth Hat to Match the Dress; Plain Undergarments, Socks and Slippers.

Per Dozen

No. 2565—Height, 17 inches; Weight per Dozen, 21 lbs.....**$80 00**
Twelfth Dozen in a Box

Jointed Hip, Knee, Shoulder and Elbow; Movable Head; Glued Wig with Curls, Moving Eyes with Eye Lashes; Fancy Heavy Silk Dress, Nicely Trimmed with Lace and Ribbon to Match; Fancy Straw Hat, Trimmed with Lace and Imitation Flowers; Lace Trimmed Undergarments; Socks and Slippers.

Per Dozen

No. 2561—Height, 16½ inches; Weight per Dozen, 18 lbs.. **$54 00**
Twelfth Dozen in a Box

Jointed Hip, Knee, Shoulder, Elbow and Wrist; Movable Head; Glued Wig with Curls; Moving Eyes with Eye Lashes; Pleated Dress, Nicely Trimmed with Lace and Ribbon to Match; Lace Trimmed Bonnet with Imitation Flowers to Match; Lace Trimmed Undergarments, Socks and Slippers

Per Dozen

No. 2564—Height, 15½ inches; Weight per Dozen, 15 lbs . **$54 00**
Twelfth Dozen in a Box

Jointed Hip, Knee, Shoulder and Elbow, Movable Head; Glued Wig with Long Curls, Moving Eyes with Eye Lashes; Lace Trimmed Silk Dress; Fancy Straw Hat, Trimmed to Match the Dress, Lace Trimmed Undergarments, Socks and Slippers

Per Dozen

No. 2739—Height, 15½ inches, Weight per Dozen, 14 lbs.. . **$54 00**
Twelfth Dozen in a Box

Jointed Hip, Knee, Shoulder and Elbow, Movable Head; Glued Wig with Curls; Moving Eyes with Eye Lashes; Fancy Printed Lace Trimmed Lawn Dress with Blouse; Fancy Trimmed Cloth Hat to Match, Plain Undergarments, Socks and Slippers.

Per Dozen

No. 2555—Height, 15 inches; Weight per Dozen, 18 lbs.....**$54 00**
Twelfth Dozen in a Box

Jointed Hip, Knee, Shoulder and Elbow, Movable Head; Glued Wig with Long Curls; Moving Eyes with Eye Lashes; Plain White Lawn Dress; Fancy Chinchilla Coat, Lace Trimmed Bonnet to Match; Plain White Undergarments; Socks and Slippers.

Per Dozen

No. 2558—Height, 16 inches; Weight per Dozen, 15 lbs.....**$48 00**
Twelfth Dozen in a Box

FULL JOINTED DOLLS
Sleeping Eyes

Jointed Hip, Knee, Shoulder, Elbow and Wrist; Movable Head; Glued Wig with Curls; Moving Eyes with Eye Lashes; Fancy Printed Lawn Dress Trimmed with Lace and Ribbon; Fancy Straw Bonnet Trimmed to Match the Dress, Lace Trimmed Undergarments; Socks and Slippers.

Per Dozen

No. 2560—Height, 16 inches; Weight per Dozen, 15 lbs.....**$48 00**
Twelfth Dozen in a Box

Jointed Hip, Knee, Shoulder and Elbow; Movable Head; Glued Wig with Long Curls; Moving Eyes with Eye Lashes; Fancy Lawn Dress, Silk Trimmed, Lace Trimmed; Fancy Silk Bonnet to Match; Plain White Undergarments; Socks and Slippers.

Per Dozen

No. 2559—Height, 16 inches; Weight per Dozen, 18 lbs.....**$48.00**
Twelfth Dozen in a Box

Jointed Hip, Knee, Shoulder and Elbow; Movable Head; Glued Wig with Long Curls; Moving Eyes with Eye Lashes; White Lawn Dress with Lace and Ribbon Trimmed; Lace Trimmed Undergarments; Socks and Slippers.

Per Dozen

No. 2557—Height, 15½ inches; Weight per Dozen, 14 lbs.....**$48.00**
Twelfth Dozen in a Box

Jointed Hip, Knee, Shoulder and Elbow; Movable Head; Glued Wig with Long Curls; Moving Eyes with Eye Lashes; Fancy Lace Trimmed Lawn Dress, Lace Trimmed, Trimmed with Imitation Flowers; Lace Trimmed Undergarments; Socks and Slippers.

Per Dozen

No. 2734—Height, 14½ inches; Weight per Dozen, 12 lbs.....**$48 00**
Twelfth Dozen in a Box

Jointed Hip, Knee, Shoulder and Elbow, Movable Head; Glued Wig with Curls; Moving Eyes with Eye Lashes; Fancy Lawn Dresses Trimmed with Lace and Ribbon, Assorted Fancy Straw Hats to Match the Dress; Plain Undergarments; Socks and Slippers.

Per Dozen

No. 2556—Height, 14½ inches, Weight per Dozen, 18 lbs.....**$48 00**
Twelfth Dozen in a Box

Full Jointed Hip, Knee, Shoulder and Elbow, Movable Head; Glued Wig with Long Curls; Moving Eyes with Eye Lashes; Printed Summer Lawn Dresses; Sun Bonnet to Match; Plain Undergarments; Socks and Slippers.

Per Dozen

No. 2735—Height, 14½ inches; Weight per Dozen, 12 lbs.....**$48 00**
Twelfth Dozen in a Box

Jointed Hip, Knee, Shoulder and Elbow, Movable Head; Glued Wig with Long Curls; Moving Eyes with Eye Lashes; Fancy Trimmed Lawn Dress, Lace Trimmed; Sun Bonnet to Match the Dress, Plain Undergarments; Socks and Slippers.

Per Dozen

No. 2400—Height, 14½ inches, Weight per Dozen, 12 lbs.....**$43.20**
Twelfth Dozen in a Box

Jointed Hip, Knee, Shoulder and Elbow; Movable Head; Glued Wig, with Long Curls, Moving Eyes with Eye Lashes, Lace Trimmed Silk Dress; Fancy Bonnet to Match; Lace Trimmed Undergarments; Socks and Slippers.

Per Dozen

No. 2738—Height, 13½ inches; Weight per Dozen, 10 lbs.....**$43 20**
Twelfth Dozen in a Box

DOLLS
GERMAN

No. 2538

No. 2738

No. 2703

No. 2546

No. 2540

All German Dressed Dolls are Sold in Assorted Colors and Styles of Dresses, with Particular Attention to American Styles and Ideas; All Individual Numbers Come in Two or More Assorted Styles and Colors of Dresses, and Illustrations Herewith Give Simple Representative Idea of the Various Styles Used for This Season; Assorted Dark and Toscan Hair.

FULL JOINTED DOLLS
Sleeping Eyes

Jointed Hip, Knee, Shoulder, Elbow and Wrist; Movable Head; Glued Wig with Long Curls; Moving Eyes with Eye Lashes; Assorted Fancy Dresses Lace Trimmed; Ribbon or Fancy Straw Hats to Match the Dress; Lace Trimmed Undergarments; Socks and Slippers.

Per Dozen
No. 2703—Height, Assorted 14 to 15 inches; Weight per Dozen, 15 lbs **$45.00**
Twelfth Dozen in a Box

Jointed Hip, Knee, Shoulder and Elbow, Movable Head; Glued Wig with Long Curls; Moving Eyes with Eye Lashes; Fancy Assorted Lawn Dresses with Either Bonnets or Straw Hats to Match, Plain White Undergarments; Socks and Slippers.

Per Dozen
No. 2701—Height, 14½ inches; Weight per Dozen, 12 lbs..... **$43.20**
Twelfth Dozen in a Box

Jointed Hip, Knee, Shoulder and Elbow, Movable Head; Glued Wig with Long Curls; Moving Eyes with Eye Lashes; Fancy Lace Trimmed Summer Dress with Jacket; Fancy Straw Hat to Match; Lace Tirmmed Undergarments; Socks and Slippers

Per Dozen
No. 2553—Height, 14½ inches; Weight per Dozen, 12 lbs..... **$38 40**
Twelfth Dozen in a Box

Jointed Hip, Knee, Shoulder, Elbow and Wrist; Movable Head, Glued Wig with Long Curls; Moving Eyes with Eye Lashes; Fancy Printed Lawn Dresses with Straw Hat Trimmed to Match, Plain White Undergarments; Socks and Slippers.

Per Dozen
No. 2554—Height, 14 inches; Weight per Dozen, 12 lbs..... **$38 40**
Twelfth Dozen in a Box

Jointed Hip, Knee, Shoulder and Elbow; Movable Head; Glued Wig, Long Curly Hair with Ribbon Bow; Moving Eyes with Eye Lashes; Combination Silk and Printed Lawn Dress; Fancy Straw Hat; Plain White Undergarments; Socks and Slippers.

Per Dozen
No. 2551—Height, 13 inches; Weight per Dozen, 15 lbs..... **$36 00**
Twelfth Dozen in a Box

Jointed Hip, Knee, Shoulder and Elbow; Movable Head; Glued Wig with Long Curls; Moving Eyes with Eye Lashes; Fancy Trimmed Lawn Dress; Bonnet Trimmed to Match; Plain White Undergarments; Socks and Slippers.

Per Dozen
No. 2546—Height, 14 inches; Weight per Dozen, 10 lbs..... **$36 00**
Twelfth Dozen in a Box

Jointed Hip, Knee, Shoulder, Elbow and Wrist; Glued Wig with Long Curls; Moving Eyes with Eye Lashes; Sateen Dress Trimmed with Lace and Ribbon Bow; Lace Trimmed Bonnet to Match; Lace Trimmed Undergarments; Socks and Slippers.

Per Dozen
No. 2497—Height, 14 inches; Weight per Dozen, 12 lbs..... **$36 00**
Twelfth Dozen in a Box

Jointed Hip, Knee, Shoulder and Elbow; Movable Head; Glued Wig with Long Curls; Moving Eyes with Eye Lashes; Fancy Trimmed Flannel Dress with Bonnet to Match, Plain White Undergarments; Socks and Slippers.

Per Dozen
No. 2542—Height, 13½ inches, Weight per Dozen, 12 lbs.....**$36 00**
Twelfth Dozen in a Box

FULL JOINTED DOLLS
Sleeping Eyes

Jointed Hip, Knee, Shoulder and Elbow, Movable Head; Glued Wig with Long Curls, Moving Eyes with Eye Lashes; Fancy Printed Dress Trimmed with Lace; Fancy Straw Hat; Plain White Undergarments, Socks and Slippers

Per Dozen
No. 2545—Height, 13½ inches; Weight per Dozen, 10 lbs.....**$36.00**
Twelfth Dozen in a Box

Jointed Hip, Knee, Shoulder and Elbow, Movable Head; Moving Eyes and Eye Lashes; Glued Wig; Fancy Printed Summer Dress Trimmed with Lace, Fancy Trimmed Straw Hat to Match; White Undergarments; Socks and Slippers

Per Dozen
No. 2548—Height, 13½ inches; Weight per Dozen, 10 lbs.....**$36.00**
Twelfth Dozen in a Box

Jointed Hip, Knee, Shoulder and Elbow; Movable Head; Glued Wig with Long Curls; Moving Eyes with Eye Lashes, Fancy Lace Trimmed Pleated Dress with Lace Trimmed Bonnet to Match, Lace Trimmed Undergarments; Socks and Slippers.

Per Dozen
No. 2498—Height, 13 inches; Weight per Dozen, 9 lbs.....**$36 00**
Twelfth Dozen in a Box

Jointed Hip, Knee, Shoulder and Elbow; Movable Head; Glued Wig with Long Curls; Moving Eyes with Eye Lashes; Fancy Embroidered Dress Trimmed with Ribbon; Fancy Straw Hat to Match, Plain White Undergarments; Socks and Slippers.

Per Dozen
No. 2549—Height, 13 inches; Weight per Dozen, 10 lbs.....**$36 00**
Twelfth Dozen in a Box

Jointed Hip, Knee, Shoulder and Elbow; Movable Head; Glued Wig with Long Curls; Moving Eyes with Eye Lashes; Fancy Printed Dress Trimmed with Ribbon; Fancy Bonnet to Match; White Undergarments; Socks and Slippers.

Per Dozen
No. 2536—Height, 13 inches; Weight per Dozen, 10 lbs.....**$30.00**
Twelfth Dozen in a Box

Jointed Hip, Knee, Shoulder and Elbow, Movable Head; Glued Wig with Long Curls; Moving Eyes with Eye Lashes; Fancy Summer Dress with Pockets; Fancy Lace Trimmed Bonnet to Match; Plain White Undergarments; Socks and Slippers.

Per Dozen
No. 2540—Height, 13½ inches; Weight per Dozen, 9 lbs.....**$20 40**
Twelfth Dozen in a Box

Jointed Hip, Knee, Shoulder and Elbow, Movable Head; Glued Wig with Long Curls, Moving Eyes with Eye Lashes; Fancy Assorted Lawn Dress Trimmed with Lace, Either Straw Hat or Bonnet to Match the Dress; White Undergarments; Socks and Slippers.

Per Dozen
No. 2538—Height, 13 inches; Weight per Dozen, 8 lbs.....**$20 40**
Twelfth Dozen in a Box

Jointed Hip, Knee, Shoulder and Elbow; Movable Head; Glued Wig with Long Curls; Moving Eyes with Eye Lashes; Fancy Printed Dress Trimmed with Lace; Fancy Bonnet Trimmed to Match the Dress, White Undergarments; Socks and Slippers.

Per Dozen
No. 2537—Height, 12½ inches, Weight per Dozen, 10 lbs.....**$20.40**
Twelfth Dozen in a Box

DOLLS

GERMAN

No. 2568

No. 2567

No. 2562

No. 2737

No. 2733

No. 2547

No. 2543

All German Dressed Dolls are Sold in Assorted Colors and Styles of Dresses, with Particular Attention to American Styles and Ideas; All Individual Numbers Come in Two or More Assorted Styles and Colors of Dresses, and Illustrations Herewith Give Simply a Representative Idea of the Various Styles Used for This Season. Assorted Dark and Tuscan Hair.

STIFF JOINTED DOLLS

Sleeping Eyes

Stuffed Body; Composition Legs and Arms; Hip and Shoulder Jointed, Glued Wig; Long Curly Hair; Moving Eyes; Assorted Colors; Fancy Summer Dresses with Assorted Straw Hats; Socks and Slippers.

Per Dozen

No. 2568—Height, 19 inches, Weight per Dozen, 24 lbs.....**$72 00**

Twelfth Dozen in a Box

Stuffed Body; Composition Legs and Arms; Hip and Shoulder Jointed; Glued Wig; Long Curly Hair; Moving Eyes; Assorted Colors; Fancy Summer Dresses with Assorted Straw Hats; Socks and Slippers.

Per Dozen

No. 2567—Height, 19 inches; Weight per Dozen, 24 lbs.....**$72 00**

Twelfth Dozen in a Box

Stuffed Body; Composition Legs and Arms, Hip and Shoulder Jointed; Glued Wig; Long Curly Hair; Moving Eyes; Assorted Colors; Fancy Summer Dresses, Trimmed with Lace and Ribbons; with Assorted Straw Hats; Socks and Slippers.

Per Dozen

No. 2562—Height, 18 inches; Weight per Dozen, 21 lbs.....**$54.00**

Twelfth Dozen in a Box

Stuffed Body; Composition Legs and Arms; Hip and Shoulder Jointed; Glued Wig; Long Curly Hair; Moving Eyes; Printed Voile Dresses Trimmed with Lace and Ribbons, Fancy Straw Hats; Socks and Slippers.

Per Dozen

No. 2737—Height, 17 inches; Weight per Dozen, 18 lbs.....**$48 00**

Twelfth Dozen in a Box

Stuffed Body; Composition Legs and Arms; Hip and Shoulder Jointed; Glued Wig; Long Curly Hair; Moving Eyes; Fancy Lace Trimmed Lawn Dresses; Cloth Bonnets; Socks and Slippers.

Per Dozen

No. 2550—Height, 14 inches; Weight per Dozen, 12 lbs.....**$36 00**

Twelfth Dozen in a Box

Stuffed Body; Composition Legs and Arms; Hip and Shoulder Jointed; Glued Wig; Long Curly Hair; Moving Eyes; Organdie Dresses, Lace and Ribbon Trimmed, Fancy Straw Hats; Socks and Slippers.

Per Dozen

No. 2732—Height, 15½ inches; Weight per Dozen, 12 lbs.....**$32 40**

Twelfth Dozen in a Box

STIFF JOINTED DOLLS

Sleeping Eyes

Stuffed Body; Composition Legs and Arms, Hip and Shoulder Jointed; Glued Wig; Long Curly Hair; Moving Eyes; Sateen Dresses, Lace Trimmed; Fancy Straw Hats; Socks and Slippers.

Per Dozen

No. 2733—Height, 15½ inches; Weight per Dozen, 12 lbs.....**$32 40**

Twelfth Dozen in a Box

Stuffed Body; Composition Legs and Arms; Hip and Shoulder Jointed; Glued Wig; Long Curly Hair, Moving Eyes; Lace Trimmed Silk Dresses; Fancy Straw Hats; Socks and Slippers.

Per Dozen

No. 2702—Height, 15 inches; Weight per Dozen, 13 lbs.....**$33 40**

Twelfth Dozen in a Box

Stuffed Body; Composition Legs and Arms; Hip and Shoulder Jointed; Glued Wig; Long Curly Hair; Moving Eyes; Assorted Colors Sateen Dresses, Lace Trimmed, Socks and Slippers.

Per Dozen

No. 2553—Height, 15 inches; Weight per Dozen, 15 lbs.....**$32 40**

Twelfth Dozen in a Box

Stuffed Body; Composition Legs and Arms; Hip and Shoulder Jointed; Glued Wig, Long Curly Hair; Moving Eyes; Assorted Colors and Patterns of Summer Lawn Dresses, Trimmed with Lace and Ribbon; Cloth Hat, Lace Trimmed; Socks and Slippers.

Per Dozen

No. 2547—Height, 14½ inches; Weight per Dozen, 12 lbs.....**$30 00**

Twelfth Dozen in a Box

Stuffed Body; Composition Legs and Arms; Hip and Shoulder Jointed, Glued Wig; Long Curly Hair; Moving Eyes; Assorted Summer Dresses; Straw Hats; Socks and Slippers.

Per Dozen

No. 2543—Height, 14½ inches; Weight per Dozen, 12 lbs.....**$30.00**

Twelfth Dozen in a Box

Stuffed Body; Composition Legs and Arms; Hip and Shoulder Jointed; Glued Wig; Long Curly Hair; Moving Eyes; Printed Voile Dresses, Trimmed with Lace and Ribbons; Straw Hat Trimmed with Ostrich Feathers; Socks and Slippers.

Per Dozen

No. 2544—Height, 13½ inches; Weight per Dozen, 12 lbs.....**$30.00**

Twelfth Dozen in a Box

DOLLS
GERMAN

No. 2544

No. 2736

No. 2541

No. 2731

No. 2534

No. 2535

No. 2730

No. 2529

All German Dressed Dolls are Sold by Assorted Colors and Styles to Avoid Duplication. Special Attention to Assorting Styles and Sizes; All Individual Numbers Come in Assorted Styles; Selected Individual Dresses and Hats are Shown to Give Simply a Representative Idea of the Various Styles Used for This Season; Assorted Dark and Toscan Hair.

STIFF JOINTED DOLLS

Sleeping Eyes

Stuffed Body; Composition Legs and Arms; Hip and Shoulder Jointed; Glued Wig; Long Curly Hair; Moving Eyes; Silk Dresses, Lace Trimmed; Socks and Slippers.

Per Dozen

No. 2738—Height, 13 inches; Weight per Dozen, 9 lbs. **$30 00**

Twelfth Dozen in a Box

Stuffed Body, Composition Legs and Arms, Hip and Shoulder Jointed, Glued Wig; Long Curly Hair; Moving Eyes; Assorted Baby Lawn Dresses Trimmed with Lace and Ribbon; Assorted Straw and Cloth Hats, Socks and Slippers.

Per Dozen

No. 2541—Height, Assorted 13 to 14 inches; Weight per Dozen, 12 lbs. **$26 40**

Twelfth Dozen in a Box

Stuffed Body; Composition Legs and Arms; Hip and Shoulder Jointed; Glued Wig; Long Curly Hair, Moving Eyes; Fancy Summer Dresses, Lace Trimmed, Assorted Straw Hats, Socks and Slippers.

Per Dozen

No. 2731—Height, 13½ inches; Weight per Dozen, 9 lbs. **$26 40**

Twelfth Dozen in a Box

Stuffed Body; Composition Legs and Arms; Hip and Shoulder Jointed Glued Wig; Long Curly Hair; Moving Eyes; Basket Weave Cloth Dresses with Sweater Jackets; Hats of Same Material; Socks and Slippers.

Per Dozen

No. 2539—Height, 12½ inches; Weight per Dozen, 6 lbs. **$26 40**

Twelfth Dozen in a Box

Stuffed Body, Composition Legs and Arms, Hip and Shoulder Jointed; Glued Wig; Long Curly Hair; Moving Eyes, Lace Trimmed Lawn Dresses; Straw Hats; Socks and Slippers.

Per Dozen

No. 2534—Height, 14 inches; Weight per Dozen, 9 lbs. **$24 00**

Twelfth Dozen in a Box

Stuffed Body; Composition Legs and Arms; Hip and Shoulder Jointed; Glued Wig; Long Curly Hair; Moving Eyes; Fancy Lawn Dresses, Trimmed with Lace, Assorted Straw Hats; Socks and Slippers.

Per Dozen

No. 2532—Height, 13½ inches; Weight per Dozen, 6 lbs. **$24 00**

Twelfth Dozen in a Box

Stuffed Body; Composition Legs and Arms; Hip and Shoulder Jointed; Glued Wig; Long Curly Hair; Moving Eyes; Lawn Dress with Coats and Leatherette Belt; Fancy Socks and Slippers.

Per Dozen

No. 2533—Height, 13 inches; Weight per Dozen, 6 lbs. **$24 00**

Twelfth Dozen in a Box

Stuffed Body, Composition Legs and Arms; Hip and Shoulder Jointed; Glued Wig; Long Curly Hair; Moving Eyes; Fancy Lawn Dresses, Trimmed with Lace and Ribbon; Cloth Hats; Socks and Slippers.

Per Dozen

No. 2535—Height, 12½ inches; Weight per Dozen, 6 lbs. **$24.00**

Twelfth Dozen in a Box

STIFF JOINTED DOLLS

Sleeping Eyes

Stuffed Body; Composition Legs and Arms; Hip and Shoulder Jointed; Glued Wig; Long Curly Hair; Moving Eyes; Summer Dresses Trimmed with Lace and Ribbon; Assorted Straw Hats and Bonnets; Socks and Slippers.

Per Dozen

No. 2530—Height, 13 inches; Weight per Dozen, 10 lbs. **$20 40**

Quarter Dozen in a Box

Stuffed Body, Composition Legs and Arms, Hip and Shoulder Jointed, Glued Wig; Long Curly Hair; Moving Eyes; Lace Trimmed Sateen Dresses; Assorted Straw Hats; Socks and Slippers.

Per Dozen

No. 2531—Height, 12½ inches; Weight per Dozen, 6 lbs. **$20 40**

Twelfth Dozen in a Box

Stuffed Body, Composition Legs and Arms, Hip and Shoulder Jointed, Glued Wig; Long Curly Hair; Moving Eyes; Fancy Assorted Plaited Skirt, Lace Trimmed Waist, Assorted Straw Hats, Socks and Slippers.

Per Dozen

No. 2730—Height, 12 inches; Weight per Dozen, 5 lbs. **$18.00**

Twelfth Dozen in a Box

Stuffed Body; Composition Arms; Hip and Shoulder Jointed; Glued Wig with Long Curls; Moving Eyes; Assorted Cotton Dresses; Assorted Straw Hats; Plain White Undergarments; Socks and Slippers.

Per Dozen

No. 2524—Height, 12½ inches, Weight per Dozen, 6 lbs. **$16 80**

Twelfth Dozen in a Box

Stuffed Body, Composition Legs and Arms, Hip and Shoulder Jointed; Glued Wig; Long Curly Hair; Moving Eyes; Fancy Lace Trimmed Sateen Dresses; Assorted Straw Hats; Socks and Slippers.

Per Dozen

No. 2529—Height, 12¼ inches; Weight per Dozen, 5 lbs. **$16 80**

Twelfth Dozen in a Box

Stuffed Body; Composition Legs and Arms; Hip and Shoulder Jointed; Glued Wig; Long Curly Hair; Moving Eyes; Assorted Voile Dresses, Trimmed with Lace and Ribbon; Socks and Slippers.

Per Dozen

No. 2528—Height, 12 inches; Weight per Dozen, 6 lbs. **$16 80**

Twelfth Dozen in a Box

Stuffed Body; Composition Legs and Arms; Hip and Shoulder Jointed; Glued Wig; Long Curly Hair; Moving Eyes; Printed Lawn Dresses with Lace Trimmed Jackets; Assorted Straw Hats with Feathers; Socks and Slippers.

Per Dozen

No. 2526—Height, 12 inches; Weight per Dozen, 6 lbs. **$16.80**

Twelfth Dozen in a Box

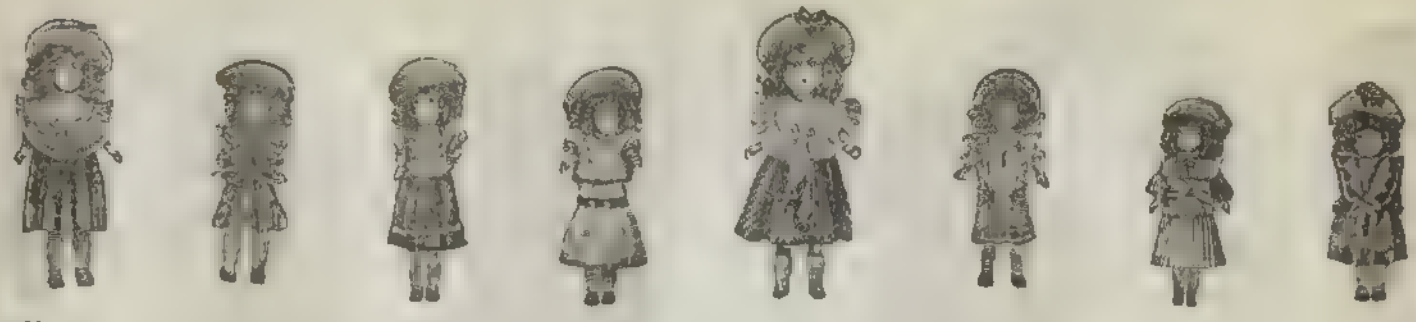
Stuffed Body, Composition Legs and Arms, Hip and Shoulder Jointed; Glued Wig; Long Curly Hair; Moving Eyes; Fancy Lawn Dresses, Braid Trimmed; Straw Hats; Socks and Slippers.

Per Dozen

No. 2520—Height, 11½ inches; Weight per Dozen, 5 lbs. **$16.80**

Twelfth Dozen in a Box

DOLLS
GERMAN



No. 2528 No. 2523 No. 2519 No 2522 No. 2518 No. 2727 No 2728 No. 2726

All German Dressed Dolls are Sold in Assorted Colors and Styles of Dresses, with Particular Attention to American Styles and Ideas; All Individual Numbers Come in Two or More Assorted Styles and Colors of Dresses, and Illustrations Herewith Give Simply a Representative Idea of the Various Styles Used for This Season; Assorted Dark and Toscan Hair.

STIFF JOINTED DOLLS
Sleeping Eyes

Stuffed Body; Composition Legs and Arms; Hip and Shoulder Jointed; Glued Wig; Long Curly Hair; Moving Eyes; Fancy Voile and Checkered Dresses; Assorted Straw Hats; Socks and Slippers.

Per Dozen
No. 2527—Height, 11¾ inches; Weight per Dozen, 6 lbs.....**$16 80**
Twelfth Dozen in a Box

Stuffed Body; Composition Legs and Arms; Hip and Shoulder Jointed; Glued Wig; Long Curly Hair; Moving Eyes; Fancy Lawn Dresses, Trimmed with Lace and Ribbon; Assorted Straw Hats; Socks and Slippers.

Per Dozen
No. 2729—Height, 11½ inches; Weight per Dozen, 5 lbs.....**$16.80**
Twelfth Dozen in a Box

Stuffed Body; Composition Legs and Arms, Hip and Shoulder Jointed; Glued Wig, Long Curly Hair, Moving Eyes; Printed Lawn Dresses with Straw Hats; Socks and Slippers

Per Dozen
No. 2523—Light Assorted, 10 to 11 inches, Weight per Dozen, 5 lbs.....**$14 40**
Twelfth Dozen in a Box

Stuffed Body; Composition Legs and Arms; Hip and Shoulder Jointed, Glued Wig; Long Curly Hair; Moving Eyes; Assorted Colored Lawn Dresses, Straw Hats; Socks and Slippers.

Per Dozen
No. 2519—Height, 11¼ inches; Weight per Dozen, 6 lbs.....**$14.40**
Twelfth Dozen in a Box

Stuffed Body; Composition Legs and Arms Hip and Shoulder Jointed, Glued Wig; Long Curly Hair, Moving Eyes; Assorted Lawn Dresses, Straw Hats; Socks and Slippers.

Per Dozen
No. 2522—Height, 11 inches; Weight per Dozen, 5 lbs.....**$14 40**
Twelfth Dozen in a Box

Stuffed Body; Composition Legs and Arms; Hip and Shoulder Jointed; Glued Wig; Long Curly Hair; Moving Eyes; Assorted Blouse Dresses; Cloth Hats to Match; Socks and Slippers.

Per Dozen
No. 2521—Height, 10½ inches; Weight per Dozen, 3 lbs.....**$14.40**
Twelfth Dozen in a Box

Stuffed Body, Composition Legs and Arms; Hip and Shoulder Jointed; Glued Wig; Long Curly Hair, Moving Eyes, Assorted Summer Dresses, Trimmed with Lace; Cloth Hats to Match, Socks and Slippers.

Per Dozen
No. 2518—Height, 9½ inches; Weight per Dozen, 4½ lbs.....**$14.40**
Twelfth Dozen in a Box

Stuffed Body, Composition Legs and Arms; Hip and Shoulder Jointed; Glued Wig; Long Curly Hair; Moving Eyes; Fancy Braid Trimmed Dress; Straw Hats; Socks and Slippers.

Per Dozen
No. 2517—Height, 10 inches; Weight per Dozen, 4½ lbs.....**$14 40**
Twelfth Dozen in a Box

Stuffed Body; Composition Legs and Arms; Hip and Shoulder Jointed; Glued Wig; Long Curly Hair; Moving Eyes; Accordion Pleated Lawn Dresses, Trimmed with Lace and Ribbon; Straw Hats, Socks and Slippers.

Per Dozen
No. 2727—Height, 9½ inches; Weight per Dozen, 4 lbs.....**$13 00**
Twelfth Dozen in a Box

STIFF JOINTED DOLLS
Sleeping Eyes

Stuffed Body; Composition Legs and Arms; Hip and Shoulder Jointed; Glued Wig; Long Curly Hair; Moving Eyes; Assorted Dresses, Trimmed with Lace or Ribbon; Straw Hats; Socks and Slippers.

Per Dozen
No. **2728**—Height, 10 inches; Weight per Dozen, 3 lbs.....**$13.00**
Twelfth Dozen in a Box

Stuffed Body; Composition Legs and Arms; Hip and Shoulder Jointed; Glued Wig; Long Curly Hair; Moving Eyes; Assorted Printed Lawn Dresses, Trimmed with Lace and Ribbon; Decorated Straw Hats; Socks and Slippers.

Per Dozen
No. 2726—Height, 9½ inches; Weight per Dozen, 4 lbs.....**$12.00**
Twelfth Dozen in a Box

Composition Body; Hip and Shoulder Jointed; Glued Wig; Long Curly Hair; Moving Eyes; Assorted Summer Lawn Dresses with Cloth Bonnets to Match; Painted Shoes and Stockings.

Per Dozen
No. 2515—Height, 9½ inches; Weight per Dozen, 6 lbs.....**$9 60**
Quarter Dozen in a Box

Composition Body; Hip and Shoulder Jointed; Glued Wig; Long Curly Hair; Moving Eyes; Assorted Summer Dresses; Painted Shoes and Stockings.

Per Dozen
No. 2511—Height, 8½ inches, Weight per Dozen, 3 lbs.....**$8.40**
Twelfth Dozen in a Box

Composition Body; Hip and Shoulder Jointed; Glued Wig; Long Curly Hair; Moving Eyes; Assorted Summer Dresses; Painted Shoes and Stockings.

Per Dozen
No. 2510—Height, 8¼ inches; Weight per Dozen, 2½ lbs.....**$8 40**
Twelfth Dozen in a Box

Composition Body; Hip and Shoulder Jointed; Glued Wig; Long Curly Hair; Moving Eyes; Assorted Blouse Dresses; Painted Shoes and Stockings.

Per Dozen
No. 2509—Height, 8¼ inches; Weight per Dozen, 2½ lbs.....**$8 40**
Twelfth Dozen in a Box

Composition Body; Hip and Shoulder Jointed; Glued Wig; Long Hair; Moving Eyes; Assorted Cloth Dresses with Bonnets to Match; Painted Shoes and Stockings

Per Dozen
No. 2505—Height, 8½ inches, Weight per Dozen, 3 lbs.....**$5 50**
Twelfth Dozen in a Box

Composition Body; Hip and Shoulder Jointed; Glued Wig; Long Curly Hair; Moving Eyes; Assorted Cloth Dresses with Bonnets to Match.

Per Dozen
No. 2504—Height, 7 inches; Weight per Dozen, 1½ lbs.....**$4.80**
Half Dozen in a Box

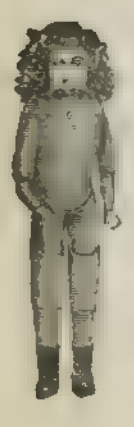
DOLLS
GERMAN

GENUINE BERGMAN DOLLS
Sleeping Eyes

Full Jointed Hip, Knee, Shoulder, Elbow and Wrist; Movable Heads, Moving Eyes with Eye Lashes; Long Curly Hair with Ribbon Bow; Complete with Cotton Socks and White Shoes; Plain White Slip; Assorted Dark and Toscan Hair.

	Per Dozen
No. 2696—Height, 29½ inches; Weight per Dozen, 63 lbs.	$144 00
No. 2695—Height, 26½ inches; Weight per Dozen, 53 lbs.	114 00
No. 2694—Height, 26 inches, Weight per Dozen, 52 lbs.	96 00
No. 2693—Height, 23½ inches; Weight per Dozen, 39 lbs.	78.00
No. 2692—Height, 21½ inches; Weight per Dozen, 30 lbs.	66 00
No. 2691—Height, 19 inches; Weight per Dozen, 25 lbs.	54 00

Twelfth Dozen in a Box



GENUINE KID BODY DOLLS
Sleeping Eyes

Jointed Hips, Knees, Shoulder and Elbow; Composition Head and Forearms; Moving Eyes with Eye Lashes; Sewed Wigs; Long Curly Hair with Ribbon Bow; Fitted with Socks and Slippers.

	Per Dozen
No. 2665—Height, 21½ inches; Weight per Dozen, [illegible] lbs.	$132 00
No. 2664—Height, 20½ inches; Weight per Dozen, [illegible] lbs.	114.00
No. 2663—Height, 19 inches; Weight per Dozen, 24 lbs.	90.00
No. 2662—Height, [illegible] inches; Weight per Dozen, 23 lbs.	78 00
No. 2661—Height, 17 inches; Weight per Dozen, 20 lbs.	66.00

Twelfth Dozen in a Box

IMITATION KID BODY DOLLS
Sleeping Eyes

Wire Jointed Hip, Knee, Shoulder and Elbow; Composition Forearms; Composition Head; Moving Eyes with Eye Lashes, Glued Wig, Long Curly Hair with Ribbon Bow; With Socks and Slippers.

	Per Dozen
No. 2654—Height, 23 inches; Weight per Dozen, 48 lbs.	$84 00
No. 2653—Height, 21 inches; Weight per Dozen, 40 lbs.	72 00
No. 2652—Height, 19¾ inches; Weight per Dozen, 30 lbs.	60 00
No. 2651—Height, 18 inches; Weight per Dozen, 24 lbs.	48 00

Twelfth Dozen in a Box

IMITATION KID BODY DOLLS
Sleeping Eyes

Wire Jointed Hip and Shoulder; Composition Head, Forearms and Hands; Moving Eyes; Glued Wig; Long Curly Hair with Ribbon Bow, Fitted with Socks and Slippers.

	Per Dozen
No. 2645—Height, 22 inches; Weight per Dozen, 28 lbs.	$48 00
No. 2644—Height, 19¾ inches; Weight per Dozen, 28 lbs.	42 00
No. 2643—Height, 17¾ inches; Weight per Dozen, 21 lbs.	36 00
No. 2642—Height, 16 inches; Weight per Dozen, 18 lbs.	30.00
No. 2641—Height, 13¾ inches; Weight per Dozen, 12 lbs.	24 00

Twelfth Dozen in a Box

DOLLS
GERMAN

FULL JOINTED DOLLS
Sleeping Eyes

Jointed Hip, Knee, Shoulder, Elbow and Wrist; Moving Eyes with Eye Lashes; Glued Wig with Long Curls and Ribbon Bow; White Lace Trimmed Baby Slip; White Undergarments; Knitted Socks and Slippers.

	Per Dozen
No. 2686—Height, 16½ inches; Weight per Dozen, 24 lbs.	$38 40
No. 2685—Height, 15 inches; Weight per Dozen, 20 lbs.	$30.00

Twelfth Dozen in a Box

FULL JOINTED WOOD BODY DOLLS
Sleeping Eyes

Jointed Hip, Knee, Shoulder and Elbow; Movable Heads; Moving Eyes; Glued Wigs; Long Curly Hair with Ribbon Bow; Lace Trimmed Baby Slip.

	Per Dozen
No. 2683—Height, 14½ inches; Weight per Dozen, 12 lbs.	$22 80
No. 2682—Height, 13 inches; Weight per Dozen, 9 lbs.	18 00
No. 2681—Height, 11½ inches; Weight per Dozen, 7 lbs.	13.50

Twelfth Dozen in a Box

COMPOSITION CHARACTER DOLLS
Sleeping Eyes

Wire Jointed Hip and Shoulder; Glued Wigs; Moving Eyes with Eye Lashes; Lace Trimmed Baby Dress.

	Per Dozen
No. 2636—Height, 17 inches; Weight per Dozen, 36 lbs.	$66 00
No. 2635—Height, 16 inches, Weight per Dozen, 30 lbs.	54 00
No. 2634—Height, 14½ inches, Weight per Dozen, 23 lbs.	38.40
No. 2633—Height, 13½ inches; Weight per Dozen, 18 lbs.	30 00
No. 2632—Height, 11½ inches, Weight per Dozen, 14 lbs.	14 40
No. 2631—Height, 9 inches; Weight per Dozen, 6 lbs.	9.60

Twelfth Dozen in a Box

STUFFED BODY METAL HEAD DOLLS
Sleeping Eyes

Wood Forearms; Metal Heads; Moving Eyes; Glued Wig; Long Curly Hair with Ribbon Bow; Fitted with Socks and Slippers.

	Per Dozen
No. 2622—Height, 16½ inches; Weight per Dozen, 12 lbs.	$31 00
No. 2621—Height, 14 inches; Weight per Dozen 9 lbs.	21 60

Twelfth Dozen in a Box

STUFFED BODY METAL HEAD DOLLS

Wood Forearms and Hands; Painted Hair; Painted Eyes; Fitted with Socks and Slippers.

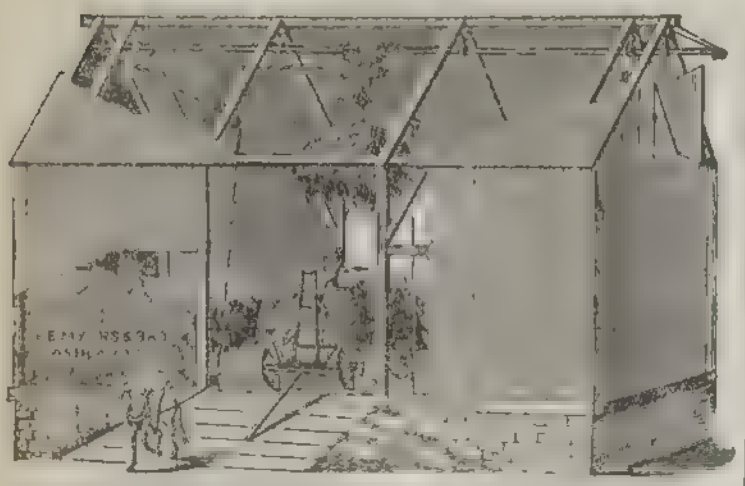
	Per Dozen
No. 2613—Height, 14½ inches; Weight per Dozen, 10 lbs.	$18.00
No. 2612—Height, 13¼ inches; Weight per Dozen, 9 lbs.	13.20
No. 2611—Height, 11½ inches; Weight per Dozen, 8 lbs.	9.60

Twelfth Dozen in a Box

HAY CARRIERS

MATERIALS REQUIRED AND DIRECTIONS FOR PUTTING UP CARRIERS

MYERS



DIRECTIONS FOR ERECTING MYERS PATENT STEEL TRACK

Scaffold by placing rope from rafter to rafter, say 6 feet from ridge pole or peak and about 10 feet apart. Then place extension ladder across the ropes with board to stand on. Now nail one rafter bracket at each end of barn and draw a line from one end to the other and stretch tight. Then nail all rafter brackets even with this line. You are now ready to put up the track, which can be done in sections. Hoist near to rafter [illegible] then place hanging hook over rafter bracket and finish by putting in bolt.

Material Required for a Steel Track Outfit for Different Length Barns

For a 40 foot Barn—One hay unloader. 36 feet Steel Track. 19 Hanging Hooks. 19 rafter brackets. 5 Knot Passing Pulleys. 1 Fork or 3 Slings. 6 Floor Hooks. 110 feet ¾ inch Manila Rope. 50 feet ⅜ inch Check Rope. 40 feet ⅜ inch Reverse Rope.

For a 50 foot Barn—One hay unloader. 48 feet Steel Track. 25 Hanging Hooks. 25 Rafter Brackets. 5 Knot passing Pulleys. 1 Fork or 3 Slings. 6 Floor Hooks. 130 feet ¾ inch Manila Rope. 55 feet ⅜ inch Check Rope. 50 feet ⅜ inch Reverse Rope.

For a 60 Foot Barn—One hay unloader. 54 feet Steel Track; 28 Hanging Hooks 28 Rafter Brackets. 5 Knot passing Pulleys. 1 Fork or 3 Slings. 6 Floor Hooks. 160 Feet ¾ inch Manila Rope. 60 feet ⅜ inch Check Rope. 60 feet ⅜ inch Reverse Rope.

For a 70 foot Barn—Hay Unloader. 66 feet of Track. 34 Hanging Hooks. 3½ lbs. Bracket Nails. 5 Fig. 1120 Pulleys. 1 Fork or 3 Slings. 6 Floor Hooks. 190 feet ¾ inch Draft Rope. 70 feet ⅜ inch Check Rope. 70 feet ⅜ inch Reverse Rope.

For an 80 foot Barn—Hay Unloader. 78 feet of Steel Track. 40 Hanging Hooks. 40 Rafter Brackets. 4 lbs. Bracket Nails. 5 Fig. 1120 Pulleys. 1 Fork or 3 Slings. 6 Floor Hooks. 210 feet ¾ inch Draft Rope. 80 feet ⅜ inch Check Rope. 80 feet ⅜ inch Reverse Rope.

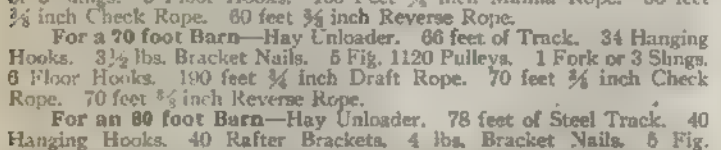
Different Lengths of Barns will use track, hanging hooks and rope in same ratio as above.

If required to take hay in at end of Barn and have rope pass down at far end to horse, add amount of draft rope. If draft rope be returned to same end of barn and then down, this requires about one-fourth more draft rope.

Place pulley to draw the carrier back into the mow directly under and in line with track, and not as seen in cut. Do not allow steel track hanging hooks to project below casting under track through which they are screwed, as they will interfere with carrier.

This cut, Fig. 430, shows how steel track should be put up and how rope is tied from one rafter to the other close under the track to make stop for carrier at end of barn. Also shows how Rafter Brackets are placed.

How to Reverse Carrier—Set Fork in hay. Tie ends of rope together, to which horse and weight are attached. Pull on small rope until knot comes to the floor, then untie rope. Fasten weight C on small rope, change Pulley A to floor hook H. This reverses carrier for opposite direction without leaving the floor or climbing up. Use all knot passing pulleys. For taking in hay at end of barn use V shaped brace for track support, as shown in cut.



Illustrating how Track should be placed in Barn; also how Rope and Pulley should be placed.

NEY MFG. CO.

MATERIAL FOR STEEL TRACK FOR CARRIERS

When Taking in Hay at End of Barn

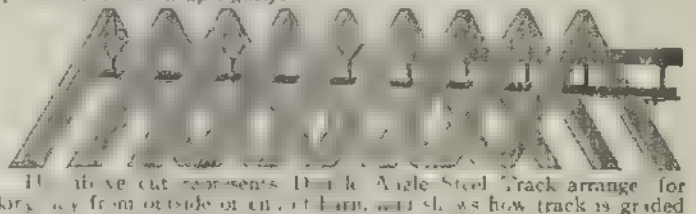
1 Fork Carrier.
Track the Required length for Barn
1 Track Eye or 1 Hanger Hook and 1 Rafter Bracket for each Rafter.
8 Knot Passing Pulleys.
8 Floor Hooks.
1 Swivel Rope Hitch.
1 Harpoon or Grapple Fork.
Draft Rope ¾, ⅞ or ⅞ inch; when team is at same end of barn as hay is taken in—length equal to twice the length of track, plus three times the distance from floor to track.
When team is at opposite end of barn to where hay is taken in—length equal to once the length of track, plus three times the distance from floor to track
When team is at center (side) of barn—length equal to 1½ times the length of track plus three times the distance from floor to track, plus half the width of barn.
Trip Rope ⅜ inch—length equal to distance from point of elevation to opposite end of track.
For barn having center (side) drive same as above, except 5 pulleys and floor hooks.

SLING CARRIERS

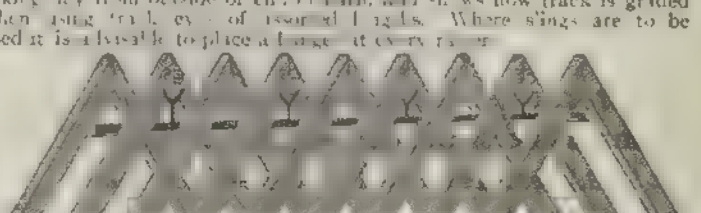
Substitute Sling Pulley for Fork Pulley in carrier and three slings and add 15 feet to length of Draft Rope.

DIRECTIONS FOR PUTTING UP DOUBLE ANGLE STEEL TRACK

Put up the track in sections or by clamping the entire length together. The track may be graded by the use of assorted track eyes or put up with all one size as desired. See that the rafter brackets are properly nailed and that the track eyes are as near the center between rivets in the track as possible; this increases the strength of the track. Bolt trip block on track over point at which you wish to elevate. See that the bolts on trip block are drawn up tightly.



[illegible] cut represents Double Angle Steel Track arrange for taking in hay from outside of end of barn, and shows how track is graded when using track eyes of assorted lengths. Where slings are to be used it is advisable to place a hanger at every [illegible]



This cut represents Double Angle Steel Track graded from ends to center of barn when track eyes of assorted lengths are used. It greatly assists the return of carrier after discharging its load. Also checks speed of carrier after leaving bumper or trip block.

MATERIAL FOR WOOD TRACK CARRIERS

Same as for Steel Track Carriers, except that a wood track carrier, wood track and wood track hanger eyes are used.

DIRECTIONS FOR MAKING WOOD TRACKS

Use 4x4 hardwood or pine scantlings dressed down to 3¾ inches; or use two 2x4 pieces and spike them together, breaking joints

4x3 inch can be used by blocking down the stop to fit the carrier and to engage the lock.

DIRECTIONS FOR PUTTING UP WOOD TRACK

Use a track hook to every rafter over the point of elevation and preferably throughout the entire length of track, but a hook at every second rafter will answer except at point of elevation. Let all nuts into the track so they will not interfere with the carrier. Make sure the track is at the proper depth where the trip block or bumper is placed. It may be necessary to block it down or set it into the wood

DIRECTIONS FOR REVERSING CARRIERS

Pull carrier to stop block, let the pulley drop out of carrier. Take rope out of pulley at end of barn and while standing beneath the carrier give the rope a little slack and give it a throw to obtain a half turn in the swivel. Re-thread the pulleys in the end of the barn you wish to operate in, and the carrier is ready for operation.

Before pulling large rope out of pulleys tie a small rope to end of it so that the small rope will be through pulleys for pulling up the large rope the next reverse.

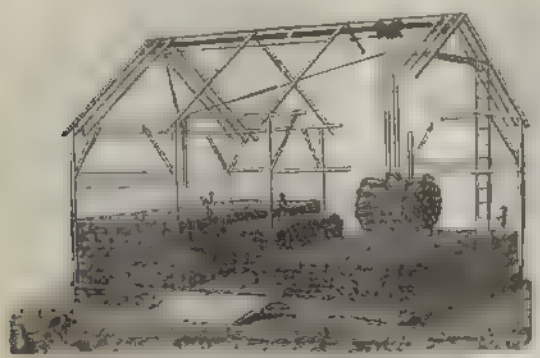
HAY CARRIERS

DIRECTIONS FOR PUTTING UP WIRE CABLE AND DERRICKS FOR STACKING

Take four poles or 4x4 scantling about 30 feet long; cut a slot in the top of each about ¾ inch wide and 4 inches deep for cable. Bore a hole for a ½ inch bolt about 1 inch above the bottom of the slot, to prevent cable from coming out while raising. Place carrier bumper complete on cable about at center. Place cable in slots, under bolts, then secure a single clamp about 40 feet from each end of cable to prevent the poles from sliding in. Bolt cross pieces together with ¾x10 inch bolts. Place carrier on cable between cable clamps. Make loops at each end of cable, using double clamps for the purpose. Thread carrier and pulley with rope and fasten pulley near one of the single clamps. Fasten loops on ends of cable to cross sticks for guys and erect derrick by raising one set of poles just high enough so they will stand without slipping at bottom then raise both sets at about the same time, alternately with each set until cable is stretched taut. Now fasten bumper to cable at opposite end from pulley over point which you wish to elevate. Place second pulley to stake in ground nearly under the first pulley placed and it is ready for operating.

MATERIAL FOR WIRE CABLE CARRIER AND DERRICK FOR STACKING

1 Cable Carrier,
1 Harpoon or Grapple Fork.
2 Single Cable Clamps.
2 Double Cable Clamps.
2 ¾x10 inch Carriage Bolts.
130 Feet ¾, ⅞ or ⅞ inch Rope.
2 Pulleys.
4 Poles 4x4 inch, 30 feet long.



This cut shows Carrier in use, unloading wheat or corn fodder in Barn with Sling Carriers. Fork Carriers can not be used for this purpose.

LUMBER REQUIRED TO BUILD A HAY RACK

Have All 2 inch Stuff Dressed on Both Sides, and inch Stuff on One Side. Two Pieces 2x8, 16 feet for Bed Sills. Have Bed Sills 6 inches Narrower in Front than in Rear. Two Pieces, 2x4, 14 feet, Cut in Two for Top Cross Pieces. Six Pieces, 2x4, 16 feet, One for Front Ladder, One for the Four Button Cross Sticks Under the Bed Sills, and Four for the Top Longitudinal Pieces. Two Pieces, 2x6, 12 feet, to Cut into 6 feet Lengths for Sides of Wheel Boxes. Spike from Underneath the 2x4 Longitudinal Pieces. Two Pieces, 1x6, 16 feet (Fencing) to Cup up to Cover Wheel Boxes. Two Pieces, 1x12, 10 feet to go in Front of Wheel Boxes to front End. The Above are for 14 inch Clamps; 16 inch take Larger Cross Pieces or Bed Sills.

HAY CARRIERS

Illustrations showing Method of using and operation of Sling Carriers.

SLING CARRYING LOAD

Will positively hold any weight load without chafing the rope: Automatic, permits the load to be carried to the mow at any elevation from the floor.

PLACING THE SLINGS

ATTACHING DRAFT ROPE

LIFTING LOAD

SLING DISCHARGING LOAD

HAVE YOU SENT IN YOUR MAIL ORDER TODAY?

YOU BETTER SEE IF YOU NEED ANYTHING

HAY CARRIERS

MYERS

CLOVER LEAF

OPEN THROAT SWIVEL, REVERSIBLE

For Meyers Double T Steel Track

The Wide Mouth Receives the Pulley from Either Direction; Carrier Can be Reversed by Drawing the Rope Through from End to End or by Turning the Swivel. The Patent Double Lock Engages the Lifting Pulley on Both Sides, Preventing the Load from Being Accidentally Dropped. It is Composed of Three Parts and has no Springs. The Swinging Lift Pulley Relieves the Carrier Frame from all Strains when Drawing Hay Over a High Beam or into a Well Filled Mow

Each

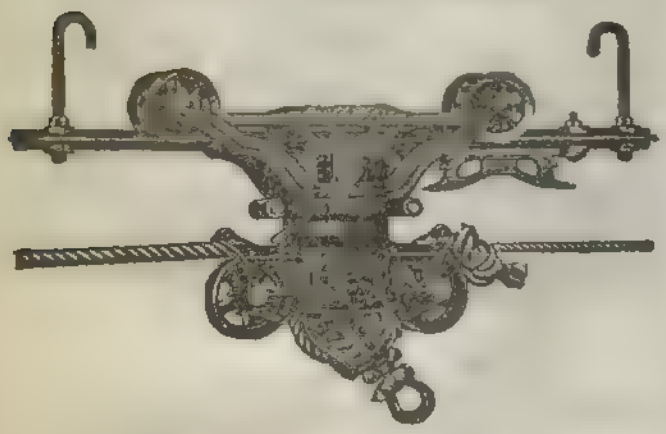
No. 124—Aluminum Finish, Red Striped Malleable, Beaded Frame; 7 inch Rope Sheaves, with 1-7/16 inch Steel Bearings, 3¼ inch Flanged Track Wheels, with 1-7/16 inch Tread and Turned Steel Axle; 16 inches Long; Height 21 inches; With Trip and Two End Stops; Weight Each 32 lbs. **$15.75**

Loose

MYERS

CLOVER LEAF

OPEN THROAT SWIVEL, REVERSIBLE



For Myers Double Angle Steel Track

The Wide Mouth Receives the Pulley from Either Direction; Carrier can be Reversed by Drawing the Rope Through from End to End or by Turning the Swivel. The Patent Double Lock Engages the Lifting Pulley on Both Sides, Preventing the Load from Being Accidentally Dropped; is Composed of Three Parts and has no Springs; The Swinging Lift Pulley Relieves the Carrier Frame from all Strain when Drawing Hay over a High Beam or into a Well Filled Mow.

Each

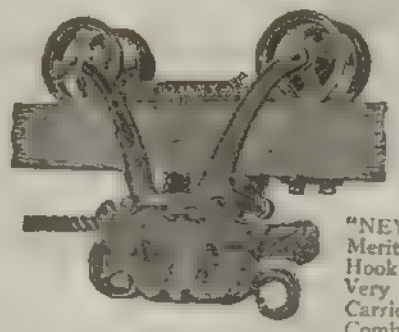
No. 114—Aluminum Finish; Red Striped Malleable Iron; Beaded Frame; 3¼ inch Flanged Track Wheels, with ½ inch Tread and ⅞ inch Turned Steel Axle; 16 inches Long; Height 18 inches; With Trip and Two Ends Stops; Weight Each 27 lbs. **$12 75**

Loose

HAY CARRIERS

NEY CLIMAX

OPEN THROAT SWIVEL REVERSIBLE



For 4x4 Wood Track

The Travelers and Sheaves Revolve on Turned Bushings, which Makes the Draft Very Light.

The Locking Features of this Carrier are the Same as No. 110 and an Exclusively "NEY," Having More Points of Merit than any Other Make. The Fork Hook is Permitted to Swing Upward Very Near to the Track, Enabling the Carrier to fill the Mow Close up to the Comb of the Roof.

Each

No. 115—Aluminum Finish Malleable Iron Frame; 19 inches long, 8 inches Wide; 16 inches High; Weight Each 30½ lbs. **$12 80**

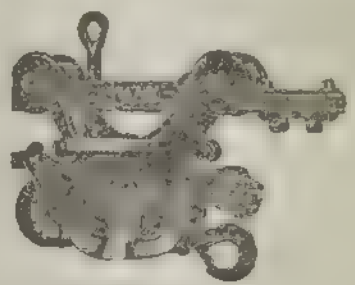
Loose

NEY CLIMAX

OPEN THROAT SWIVEL, REVERSIBLE

For Ney Double Angle Steel Track

With Lifting Pulley Disengaged



With Lifting Pulley Locked in Frame

The Lifting Pulley has Projections on Each Side, on a Line with the Axle, to Engage the Locks on the Inner Sides of the Frame when the Pulley is Drawn to the Outer End of the Track. The Locking Device is Positive in Operation, Cannot be Worked Sideways, Holds Pulley Locked to Swinging Lift Pulley. Hook is Permitted to Swing Upward Very Near to Track Enabling Carrier to Fill Mow Close to the Comb of Roof.

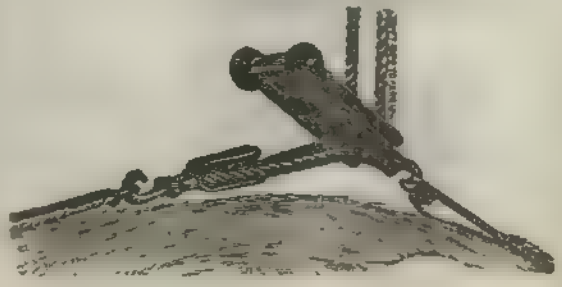
Each

No. 110—Aluminum Finish; Malleable Iron Frame; 3¼ inch Travelers; ½ inch Tread; 13¾ inches Long; 7½ inches Wide; 10½ inches High; Weight Each 23 lbs. **$12 80**

Loose

HAY CARRIER SLING PULLEYS

UNIVERSAL



The Universal Sling Pulley can be Used with any Make of Hay Carrier. It Cannot be Misplaced on the Load as it can be Used with Either Side up and with any Shape or Style of Fork Pulley.

Each

No. US—Malleable Iron; Galvanized; takes ¾ inch Rope; Weight Each 19 lbs. **$5.60**

Loose

HAY CARRIER SWIVEL ROPE HITCHES

A Most Handy and Convenient Device for Taking Up and Letting Out Rope. Prevents Twisting of Rope. No Knots to Untie nor Waste of Rope by Cutting Knots Open.

Per Dozen

No. RH—Malleable Iron; Length Over All 8 inches; Weight per Dozen 20 lbs..... $6.00
Loose

HAY CARRIER CABLE CLAMPS

With Bolts

Malleable Iron, Painted Black.

Per Dozen

No. SC—Single; with Two Bolts; Weight per Dozen 8 lbs.....$5.40
Loose

With Bolts

Malleable Iron, Painted Black.

Per Dozen

No. DC—Double; with Two Bolts; Weight per Dozen 16 lbs.....$7.20
Loose

HAY CARRIER SLINGS

To Take Off Load to Best Advantage, a Set of Three Slings Should Be Used

Will Handle Fine or Coarse Hay, Straw, Corn Stalks, Bundles of Grain, Baled Hay, etc., Taking the Load up Clean from the Hay Rack; With the Use of Slings the Load Is Easily and Quickly Handled and Deposited in a Barn in One Piece Ready for Use. No Need to Handle it with any Style of Hay Fork; This is of Great Advantage when it is Necessary to Move a Crop Quickly.

STANDARD

Normal Length 17 feet; Adjustable from 15½ to 19½ feet.

1¼ inch Square Oak Spreaders; ½-inch Loose Twist Sisal Ropes, with Adjustable Take-ups at Each End, to Adjust to Length of Sling, to Meet the Requirements of the Hay Rack; Positive Lock Center Trip, ¼ inch Trip Rope; Used with Any Hay Carrier.

Each

No. 4—4 feet Wide; Weight Each 20 lbs.....$6.00
No. 5—5 feet Wide, Has Third or Center Rope for Handling Fine or Short Hay; Weight Each 22½ lbs..... 8.25
Loose

CALIFORNIA

Normal Length 17 feet; Adjustable from 15½ to 19½ feet.

1¼ inch Square Oak Spreaders; ½ inch Loose Twist Sisal Ropes, with Adjustable Take-ups at Each End, to Adjust to Length of Sling, to Meet the Requirements of the Hay Rack; Positive Lock Center Trip; ¼ inch Trip Rope; Used with Any Hay Carrier.

Extra Strong; Made for Heavy Work; Specially Rigged for Carrying Short Hay and Grain, Leaving No Litter.

Each

No. 6—6 feet Wide; Weight Each 25 lbs..... $9.75
Loose

HAY CARRIER FORKS

NELLIS

Single Harpoon

Japanned Malleable Iron Head and Wrought Steel Blade; Polished Tool Steel Point and Double Barb Spring Latch, which Holds the Load Securely; when Tripped the Load is Discharged by its Own Weight; the Spring is Long and the Fork of Heavy Material

Each

No. 5—Length of Blade 36 inches; Weight Each 15 lbs..... $8.75
Loose

SHORT HEAD

Double Harpoon

Double Harpoon, Spear Point Steel; Malleable Iron Trip Levers; Japanned; Two Center Braces Riveted to Frame; Welded Ring; 3½ inch Harpoon Points.

Nos.	10	15
Length Tines, inches	25	31
Length Over All, inches	35	41
Width, inches	18	18
Weight Each lbs.	18	21
Each	$3.40	3 75

Loose

ALFALFA

Double Harpoon

For Heavy Work in Alfalfa, Clover and Prairie Hay and where the Regular Forks are not Suitable.

Double Harpoon; Spear Point Steel; Malleable Iron Trip Levers; Japanned; Two Center Braces Riveted to Frame; Welded Ring; 3½ inch Harpoon Points.

Each

No. 25—Length of Tines 35 inches; Length Over All 50 inches; Width 24 inches; Weight Each 33 lbs..... $8.75
Loose

NEY'S AUTOMATIC GRAPPLE

Spring Steel Tines and Frame; Malleable Iron Lever Trip Lock and Harpoon; Black Japanned; Trimmed in Gold with Polished Points.

Each

No. 4—Four Tine; Length Closed 28 inches; Width 28 inches; Thickness 17 inches; Greatest Spread of Points, Open, 64 inches; Weight Each 38 lbs.....$15.75
No. 6—Six Tine; Length Closed 38 inches; Width 30 inches; Thickness 17 inches, Spread of Points, Open, 40 inches; Weight Each 50 lbs..... 18 00

Shipped Knocked Down, One Wired in a Bundle

HAY FORK PULLEYS

★NORLEIGH DIAMOND

The Hollow Pins in Our Pulleys are Interchangeable and Either Iron or Wood Sheaves may be Used in the Frame.

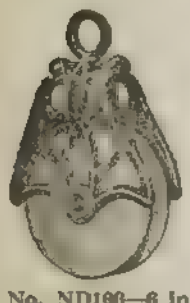
Two Holes in the Center of the Pins Allow Oil or Other Lubricants to Flow Out on the Bearings. Tallow or Axle Grease May be Used to Advantage Instead of Oil.

WOOD WHEEL

Extra Heavy Cast Iron Frame, Red Japanned Finish; Flanged Rope Shield; Malleable Iron Swivel Eye; 1 inch Hollow Loose Pin; Best Quality Hard Maple Sheave, Gloss Finish.

Per Dozen

No. ND171—6 inch Maple Sheave, 1 inches Thick; Length Over All 10½ inches; Weight per Dozen 36 lbs. **$7.70**
Loose



WOOD WHEEL

Extra Heavy Cast Iron Frame; Red Japanned Finish; Flanged Rope Shield; Malleable Iron Swivel Eye; 1 inch Hollow Loose Pin; Best Quality Hard Maple Sheave, Gloss Finish.

Per Dozen

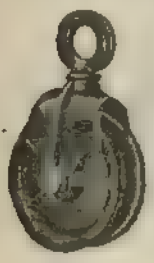
No. ND186—6 inch Knot Passing; Maple Sheave 1⅝ inches Thick; Diameter of Rope Passage 2⅜ inches; Length Over All 11¼ inches, Weight per Dozen ... **$8 50**
Loose

WOOD WHEEL

Cast Iron, Japanned Frame; Malleable Iron Swivel Eye, Best Quality Hard Maple Sheave 1⅝ inch Thick 6 inch Wheel; 1 inch Loose Hollow Pin; Length Over All 10 inches.

Per Dozen

No. 6W—Weight per Dozen 33 lbs **$6 60**
Loose



IRON WHEEL

Cast Iron, Japanned Frame and Wheel; Malleable Iron Swivel Eye Sheave 1⅜ inches Thick; ⅝ inch Solid Pin.

Per Dozen

No. 40—4 inch Wheel; Length Over All 8¼ inches; Weight per Dozen 35 lbs..... **$7.80**
Loose

Cast Iron, Japanned Frame and Wheel; Malleable Iron Swivel Eye Sheave 1⅜ inches Thick; ⅝ inches Solid Pin.

Per Dozen

No. 50—5 inch Wheel; Length Over All 8⅝ inches; Weight per Dozen 38 lbs..... **$7.70**

No. 60—6 inch Wheel; Length Over All 9¼ inches; Weight per Dozen 43 lbs..... **8 80**
Loose

HAY FORK PULLEYS

Nos. 113K and 122K

Knot Passing

No. 116KP

Heavy Japanned Iron Frame; Malleable Iron Swivel Eye, Large Rope Opening 2⅜ inches in Diameter; 11 inches Over All.

WOOD WHEEL

1 inch Hollow Loose Pin — Per Dozen

No. 113KP—6 inch Maple Wheel; Cast Iron Frame..... **$8 50**

No. 122KP—6 inch Maple Wheel; Malleable Iron Frame..... **8.50**
Weight per Dozen 38 lbs.
Loose

IRON WHEEL

⅝ inch Solid Pin — Per Dozen

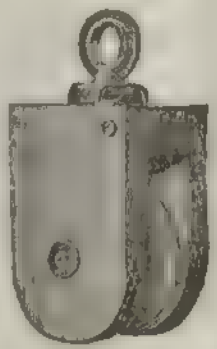
No. 116KP—6 inch Cast Iron Wheel; Cast Iron Frame; Weight per Dozen 40 lbs..... **$7.70**
Loose

STEEL FRAME

Heavy Steel Frame; Wrought Steel Hooks; Large Roller Bearings, Anti-friction, Adapted for ⅝ or ¾ inch Cable; Diameter of Sheave 7 inches.

Per Dozen

No. 131—Weight per Dozen 96 Lbs. **$25 00**
Loose

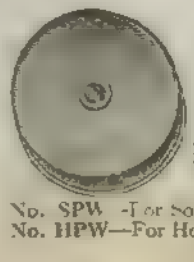


WOOD FRAME

Hard Maple Frame with Wrought Iron Yoke; 4½x1⅜ inch Hard Maple Wheel; ⅝ inch Solid Pin; 1¾x⅛ inch Straps; Malleable Iron Swivel Eye; Length Over All 10 inches.

Per Dozen

No. 111—Weight per Dozen 42 lbs ..... [illegible]
Loose



WOOD SHEAVES

FOR HAY FORK PULLEYS

Best Quality Hard Maple; Gloss Finish; Deep Smooth Turned Groove; Size 6x1½ inches; Weight per Dozen 10½ lbs.

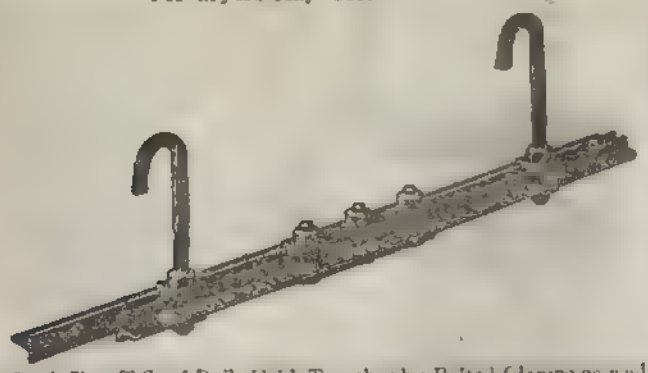
Dozen

No. SPW—For Solid Pin **$3 60**
No. HPW—For Hollow Pin **3.60**
Loose

HAY CARRIER TRACK

MYERS

For Myers Hay Carriers



Made of Two T Steel Rails Held Together by Bolted Clamps as well as by Clamps Over the Joints. Each Rail is Spliced with a Three-Inch Lock, which Makes the Track as Strong as Elsewhere. When the Track is Clamped Together it Becomes Very Stiff and will Meet the Approval of Every Inquirer. Requires only a Wrench to Put Up.

Per Foot

No. 824—In 8 and 12 foot Lengths; Complete with Clamps; Weight per Foot 2 lbs. $0.35

Loose

For Ney Climax Hay Carriers.

DOUBLE ANGLE

Made of Two Pieces Angle Steel, with Extra Strong Splice Joint. The Splice is Held by Heavy Bolts and it Renders the Track as Strong and Rigid at the Joint as Elsewhere.

Per Foot

No. T—In 6, 8 and 12 foot Lengths; Complete with Couplings; Weight per Foot 2¼ lbs. $0 35

Loose

HAY CARRIER TRACK EYES

Malleable Iron; For Double Angle Track

CLOSED EYES

Used in Assorted Lengths to Give the Track an Incline Toward the Unloading Point when Desired. Inserted by Driving in from Under Side of Track, Midway Between Joints and Moved to the Desired Point.

Per Dozen

No. 68—Length 6½ inches; Weight Each 6 lbs. $2.60

Loose

OPEN EYES

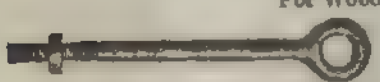
By Use of These Eyes the Track can be Readily Taken Down. They are Inserted from Beneath the Track and Locked to the Rafter Bracket by Use of the Cotter Pin.

Per Dozen

No. 167—6½ inch; Weight per Dozen 8 lbs. $2.80

Loose

For Wood Track



CLOSED EYES

Wrought Iron, with Nut ½ inch Diameter

Per Dozen

No. 8—8 inches Long; Weight per Dozen 8 lbs. $1.80

No. 10—10 inches Long; Weight per Dozen 10 lbs. 2.00

Loose

HAY CARRIER TRACK HOOKS

MYERS

For Double Angle Steel Track

Per Dozen

No. 3026—7 inches Long; Weight per Dozen 7½ lbs. $2.65

No. 30210—9 inches Long; Weight per Dozen 9 lbs. 2.65

Loose

For Wood Track

Wrought Iron with Nut ⅜ inch Diameter.

Per Dozen

No. 12—12 inches Long; Weight Dozen 11 lbs. $2.00

No. 14—14 inches Long; Weight Dozen 13 lbs. 2.25

Loose

FLOOR

Wrought Iron, with Extra Screw End Under Neath Ceiling Plate to Carry Chain or Other Suspending Weights from Ceiling

Per Dozen

No. 58—6½ inches Long, ⅝ inch Diameter, Weight per Dozen 9 lbs. $2.25

No. 34—7½ inches Long, ¾ inch Diameter; Weight per Dozen 13 lbs. 2.60

Loose

HAY CARRIER TRACK RAFTER BRACKETS

For Wood or Steel Track Hanging Brackets

Made of Steel and so Crimped that the Track Eye Hangs on a Round Surface, Preventing Wear; also Provided with Spur Points to be Driven into the Rafters.

Per Dozen

No. 65—6¼ inches from Point to Point; Weight per Dozen 3 lbs. $1.05

Loose

HAY CARRIER TRACK END STOPS

For Myers Double T Steel Track

To be Placed on Top of the Track at Each End to Prevent Carrier Running off the End. Two End Stops are Wired to Each Carrier and are Furnished with Carrier without Charge.

Per Dozen

No. 1042—Malleable Iron; Aluminum Finished; Weight per Dozen 3 lbs. $1.80

Loose

HAY CARRIER TRACK TRIP BLOCKS

For Myers Double T Steel Track

To be Placed on Under Side of Track to Release the Load Pulley from the Carrier.

Per Dozen

No. TBM—Malleable Iron, Aluminum Finished, Length 8¾ inches Weight per Dozen 21 ¼ lbs. $11.70

Loose

For Double Angle Steel Track Hangers

4¼ inches Long

Each

No. STB—Weight Each ¼ lb. $0.70

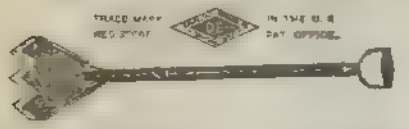
No. WTB—Without Top Plate, 4¼ inches Long for Wood Track Hangers; Weight Each 1 lb. 70

Loose

HAY KNIVES

*DIAMOND EDGE

UPRIGHT



The Blade is Reinforced where the Knives are Attached, Adding Greatly to the Strength of the Tool.

Per Dozen

No. DE60—Polished Cast Steel; Sectional Blade Riveted to Malleable Iron Plate; Malleable Iron Handle Strap and Braced Step in One Piece; Painted Red; Varnished Ash Handle; Gold Bronzed Malleable D Head; Width of Blade 9 inches; Length Over All 46 inches; Weight per Dozen 70 lbs. $30.00

Half Dozen in a Crate

EXTRA SECTIONS

Per Dozen

No. DEX—Weight per Dozen 2¼ lbs. $3 30

Half Dozen in a Box

Forged Convex Curved Steel Blade and Shank in One Piece; Sharpened Serrated Cutting Edge; Tangs Extend Through Handles and Riveted.

Per Dozen

No. DE50—Highest Grade Crucible Steel: Oil Tempered Blade; Polished Cutting Edge; Back, Shank and Tangs Painted Red; Black Enameled Hardwood Handles 4 inches Long; Steel Ferrules; Length of Cutting Edge 20 inches; Width at Heel 3¼ inches; Length Over All 37 inches; Weight per Dozen 60 lbs. $24.50

One Dozen in a Box

SICKLE EDGE

These Knives will Cut Loose or Packed Hay, Straw, Pea Vines, etc., for Feed, from Hay Stack, Mow or Bale; the Handle can be Placed on Either Side of Blade to Suit Right or Left Handed Persons, and Set at Any Angle to Suit the Operator; the Sections Require no Resharpening Unless Injured by Accident; Blade is in Four Sections.

Straight Blade and Shank

Per Dozen

No. DE35—Polished Cast Steel Sectional Blade, Riveted to Japanned Malleable Iron Frame; 6 inch Hardwood Grips Bolted On; Cutting Edge 18¾ inches; Width of Blade 3 inches; Length Over All 39 inches; Weight per Dozen 60 lbs. $36.00

Half Dozen in a Box

Curved Convex Blade and Shank

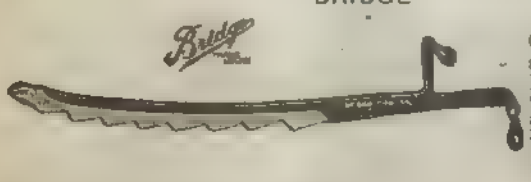
Serrated Edge

Per Dozen

No. DE30—Polished Cast Steel Sectional Serrated Blade, Riveted to Japanned Malleable Iron Frame, 6 inch Hardwood Handles Bolted On; Cutting Edge 18¾ inches; Width at Heel 3 inches; Length Over All 38 inches; Weight per Dozen 60 lbs. $37.00

Half Dozen in a Box

*BRIDGE



Forged Convex Curved Steel Blade and Shank in One Piece; Sharpened Serrated Cutting Edge; Tangs Extend Through Handles and Riveted

Per Dozen

No. B45—Extra Grade Crucible Steel; Tempered Blade; Polished Cutting Edge; Back, Shank and Tangs Painted Green; Hardwood Handles 4 inches Long Steel Ferrules; Length of Cutting Edge 20 inches; Width at Heel 3¼ inches; Length Over All 37 inches; Weight per Dozen 60 lbs. $32.00

One Dozen in a Box

HAY KNIVES

SPEAR POINT

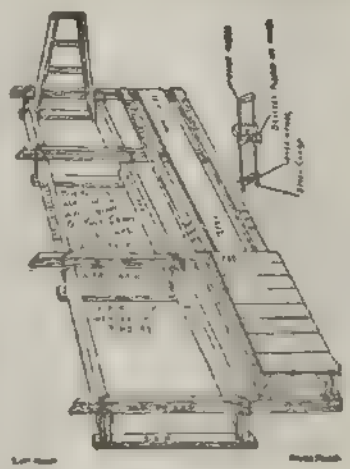
Hand Forged Tool Steel; Blade Painted Red with polished Cutting Edge; Cast Steel Ferrule; Polished Hickory Handle.

Per Dozen

No. 70—Length of Blades 20 to 22 inches; Width at Heel 4 inches; Length of Handle 12 inches; Blade Offset from Shank 2½ inches, Weight per Dozen 75 lbs. $41 00

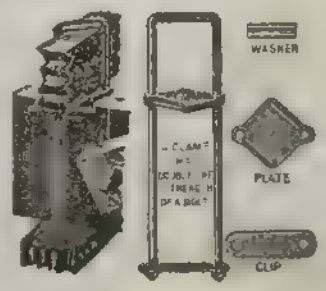
Half Dozen in a Box

HAY RACK BRACKETS AND CLAMPS



WENZELMANN

With these Brackets and Clamp any Farmer Can Build the Strongest and Neatest Hay Rack for His Wagon without Boring Through the Main Frame-work or Weakening the Wood. No Bolts or Nails, no Rough Pieces of Iron Plates to Chafe Between the Timbers; a Perfectly Rigid Rack, with no Possibility of Working or Twisting at the Joints. Lighter Material May be Used with These Fixtures than with any Other.



The Brackets are Made from a Mixture of Iroquois Steel and are the Heaviest and Strongest on the Market; They do not Bend and Cannot Get Out of Shape; the Clamps are Made of Special Steel and will not Break; they are Over size and the Nuts Have a Full Size Thread, Giving a Tight and Lasting Job; the Lower Clip is Made of Heavy Band Steel with Rounded Ends.

Nos.	0	1	2	3
Size, inches	12	14	16	18
Weight per Set, lbs.	13	15	17	22
Per Dozen Sets	$30.50	$33.00	$35.50	$38.00

One Set in a Box

COTTON FRAME CLAMPS

Used for Building Racks for Hauling Sacked Grain, Baled Cotton, Etc. When Clamped on, Holds Frame Securely Together. Made of Best Grade Carbon Steel, Black Finish. Complete with Clip Tie and Nuts.

For Sills 2x8 inches

Per Set

No. 3310—Size ⅛x2⅝x10¾ inches· Weight per Set About 8 lbs., $2.40

One Set of 8 in a Bundle, Wired Together

PYREX Transparent OVEN-WARE

Has the name on every piece

BAKERS

DOUBLE COMPARTMENT

No. 130—Size 9⅜×1⅝ in., per dozen *$18.00*

ONE IN A CARTON; TWENTY-FOUR IN A CASE

Covered, two-piece, oval.

No. 110—Size 10×7⅜×2⅞ in., dz. *$24.00*

ONE IN A CARTON; TWENTY-FOUR IN A CASE

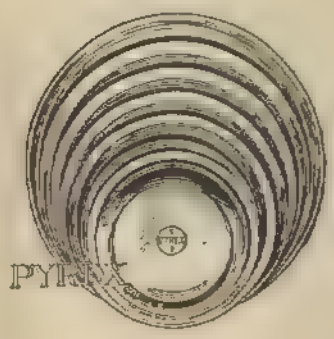
SMALL OVAL SHALLOW

Nos.	400	401
Size, in.	6¼-4½×1⅜	6⅝-4⅞×1½
Capacity, ozs.	5	10
Quantity in case	216	192
Per dozen	*$4.80*	*5.40*

Nos.	402	403
Size, in.	7½-5½×1⅝	8⅛-6×1¾
Capacity, ozs.	12½	18½
Quantity in case	168	108
Per dozen	*$6.60*	*7.20*

ONE IN A CARTON

PIE PLATES



Nos.	206	207	208
Size, in.	6⅛×1⅜	7⅛×1⅜	8⅛×1⅜
Quantity in case	72	54	48
Per dozen	*$6.00*	*7.20*	*9.00*

Nos.	209	210	211
Size, in.	9⅜×1⅜	10⅜×1⅜	11⅜×1⅜
Quantity in case	60	30	24
Per dozen	*$10.80*	*12.00*	*13.20*

ONE IN A CARTON

Nos.	202	203
Size, in.	8⅜×1⅜	9⅜×1⅜
Quantity in case	72	57
Wt per doz., lbs.	16	20
Per dozen	*$ 9.00*	*10.80*

ONE IN A CARTON

No. 1203—Six sided, 9⅜×1⅜ in., wt per doz. 21 lbs. .....per dozen *$12.00*

ONE IN A CARTON, FIFTY-SEVEN IN A CASE

ROUND INDIVIDUAL PIE DISHES

Nos.	452	453	455
Size, in.	4¼×1⅝	4½×1⅝	5¼×1⅝
Capacity, ozs.	6	8	12
Quantity in case	330	216	144
Per dozen	*$3.00*	*3.60*	*4.80*

HALF DOZEN IN A CARTON

FISH OR MEAT PLATTERS

OVAL

Nos.	313	315
Size, in.	13⅜-8⅛×1¼	15⅜-10¼×1¼
Quantity in case	30	21
Per dozen	*$18.00*	*24.00*

ONE IN A CARTON

ROUND TRAYS

Nos.	706	708	710
Size, in.	7-¼	9-¾	11-¾
Quantity in case	60	40	48
Per dozen	*$6.00*	*9.00*	*12.00*

ONE IN A CARTON

PYREX Transparent OVEN-WARE

TRADE MARK REG.

Has the name on every piece

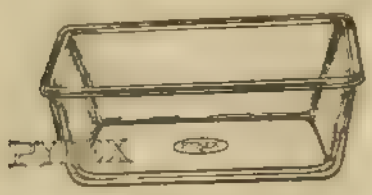
Made of special materials, much harder than ordinary glass, having a hard, smooth surface. Does not absorb odors or flavors. Easy to clean. Sanitary, does not lose brilliancy, even with long and constant use. Enables you to bake and serve in the same dish.

PUDDING DISHES

Deep, with handles, round.

No. 450—Size 8½x2⅝ in., cap. 1½ qts., per dozen *$15.00*

ONE IN A CARTON; THIRTY IN A CASE



Square.

No. 800B—Size 8½x3 in., cap. 1½ qts., per dozen *$15.00*

ONE IN A CARTON; THIRTY-SIX IN A

DEEP BREAD PANS

Nos.	212	214
Size, in	9½x5½x2⅝	10⅝-5⅝x3⅜
Quantity in case	36	24
W't doz. lbs	16	30
Per Dozen	*$10.80*	*18.00*

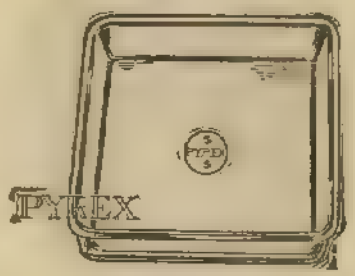
ONE IN A CARTON

OBLONG UTILITY PANS

Nos.	231	232
Size, in.	10½-6½x2	12⅝-8½x2
Quantity in case	30	24
W't, doz., lbs.	26	42
Per dozen	*$12.00*	*21.00*

ONE IN A CARTON

BISCUIT PANS

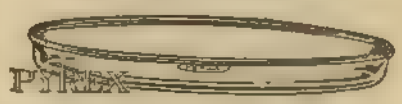


OBLONG

Nos.	234	235
Size, in.	9½x7⅝x1½	11½x8⅝x1½
Quantity in case.	48	36
W't, doz., lbs.		
Per dozen	*$10.20*	*15.00*

ONE IN A CARTON

ROUND CAKE DISHES



Nos.	220	221
Size, in.	9⅜x1	9½x1½
Quantity in case	42	48
W't, doz., lbs.		19
Per dozen	*$9.00*	*9.00*

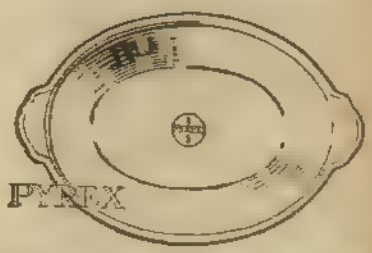
ONE IN A CARTON

SQUARE CAKE DISHES

Nos.	809	810
Size, in.	9½x1½	10⅜x1½
Quantity in case	36	28
W't, doz., lbs.		
Per dozen	*$12.00*	*18.00*

ONE IN A CARTON

ROUND DISHES WITH HANDLES



Nos.	301	302
Size, in.	8½x1½	6⅞x1½
Quantity in case	108	216
W't per doz., lbs.	13	7½
Per dozen	*$10.80*	*8.40*

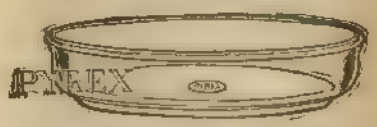
ONE IN A CARTON

OVAL AU GRATIN DISHES

No. 322—10-6½x1½ in., w't per doz. 13 lbs. .....per dozen *$10.20*

ONE IN A CARTON; NINETY IN A CASE CASE

OPEN BAKING DISHES



Round, shallow.

No. 135—Size 8x1¾ in., cap. 1 qt., w't per doz. 21 lbs. ....per dozen *$12.00*

ONE IN A CARTON; FORTY-TWO IN A CASE

Oblong.

No. 145—Size 7⅞x5⅛x2 in. doz., *$10.20*

ONE IN A CARTON; SIXTY IN A CASE

WHITE PYREX WARE

Has the same heat resisting properties as the regular line—and the added advantage of being white in color.

ROUND CASSEROLES

Nos.	167W	168W	169W
Size, in.	7¼x2⅝	8½x2⅞	9½x3½
Capacity, qts.	1	1½	2
W't per doz., lbs.	25	35	42½
Per dozen	$27.00	31.80	36.00

OVAL DEEP CASSEROLES

Nos.	193W	197W	194W
Size, in.	8¼x6¼x2½	8⅝x6¼x3⅝	9½x7x3⅛
Cap., qts.	1	1½	2
W't doz., lbs.	27	30	40
Per doz.	$27.00	31.80	36.00

Nos.	183W	184W	185W
Size, in.	9x6¼x2⅝	10⅝x7¾x2⅝	12x8⅝x2½
Cap., qts.	1	1½	2
W't doz., lbs.	30	39	40
Per doz.	$27.00	31.80	36.00

ONE IN A CARTON

ROUND SHALLOW BAKING DISHES

No. 135W—Size 8x1⅝ in., cap. 1 qt. w't per doz. 21 lbs. ...per dozen $18.00

ONE IN A CARTON

OVAL FISH OR MEAT PLATTERS

No. 313W—Size 13¾x8¾x8¼ in., per dozen $27.00

ONE IN A CARTON

WIDE PIE PLATES

No. 209W—Diam. 9½ in., w't per dozen 20 lbs. $16.20

ONE IN A CARTON

IRIDESCENT PYREX CASSEROLES

Possessing the same heat resisting qualities as the regular line. With a beautiful iridescent color.

ROUND CASSEROLES

Nos.	167I	168I	169I
Size, in.	7¼x2⅝	8¼x2⅞	9½x3½
Capacity, qts.	1	1½	2
W't per doz., lbs.	25	35	42½
Per dozen	$27.00	31.80	36.00

OVAL DEEP CASSEROLES

Nos.	193I	194I	197I
Size, in.	8¼x6¼x2½	8⅝x6¼x3⅝	9½x7x3⅛
Cap., qts.	1	1½	2
W't doz., lbs.	27	30	40
Per dozen	$27.00	31.80	36.00

OVAL SHALLOW CASSEROLES

Nos.	183I	184I	185I
Size, in.	9x6¼x2⅝	10⅝x7¾x2⅝	12x8⅝x2½
Cap., qts.	1	1½	2
W't doz., lbs.	30	39	40
Per doz.	$27.00	31.80	36.00

ONE IN A CARTON

IRIDESCENT PYREX BAKING DISHES

Round, shallow.

No. 135I—Size 8x1⅝ in., cap. 1 qt., w't per doz. 21 lbs. ...per dozen $18.00

IRIDESCENT PYREX FISH OR MEAT PLATTERS

OVAL

No. 313I—Size 13¾x8¾x1⅝ in., per dozen $27.00

ONE IN A CARTON

IRIDESCENT PYREX PIE PLATES

WIDE

No. 209I—Diam. 9½ in., w't per doz. 20 lbs. $16.20

ONE IN A CARTON

CASSEROLES WITH ENGRAVED COVERS

Round, With Engraved Covers.

No. 167-E7—Capacity 1 quart, per dozen $33.60

No. 168-E7—Capacity 1½ quarts, per dozen $42.00

Oval, With Engraved Covers.

No. 193-E7—Capacity 1 quart, per dozen $38.60

No. 194-E7—Capacity 2 quarts, per dozen $45.60

ONE IN A CARTON

Hibbard Hardware for Hard-Wear

PYREX Transparent OVEN-WARE

TRADE MARK REG.

Has the name on every piece

BEAN POTS

Nos.	502	504	506
Size, in.	5⅝x3¼	6½x4½	7½x5½
Capacity, pts.	1	2	3
Quantity in case	60	33	18
W't per doz., lbs.	15	25	35
Per dozen	$12.00	21.00	30.00

ONE IN A CARTON

CUSTARD CUPS

Nos.	422	423	427
Style	Round	Round	Oval
Size, in.	4x2¼	3¼x2	4¼x3¼x1⅝
Cap., oz.	6	4	5
Quantity in case	168	216	192
W't, doz., lbs.	4½	3½	3½
Per dozen	$3.00	2.40	3.60

HALF DOZEN IN A CARTON

Round

Nos.	424	426
Size, in.	2¼x3	2¾x3¼
Capacity oz.	4	6
Quantity in case	216	168
W't, doz., lbs.	3⅜	5
Per dozen	$2.40	3.00

HALF DOZEN IN A CARTON

BAKING

Nos.	432	442
Size, in.	3½x1⅝	3¾x1½
Capacity, oz.	3½	4
Quantity in case	360	240
W't, doz., bs.	3	4
Per dozen	$1.80	2.40

HALF DOZEN IN A CARTON

MUSHROOM DISHES

Round, with handles and bell covers.

Nos.	642	645
Size, in.	6⅞	8½
Quantity in case	27	18
W't per doz., lbs.	14½	22
Per dozen	$12.00	16.20

ONE IN A CARTON

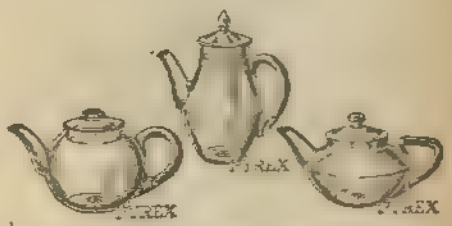
BELL COVERS ONLY

Nos.	652	655
Size, in.	4	5
Quantity in case	36	36
W't, doz., lbs.		
Per dozen	$5.40	7.20

ONE IN A CARTON

TEA POT ASSORTMENT

The Smartest Thing in TEA POTS



MAKING PERFECT TEA BY SIGHT

The new Pyrex Transparent Tea Pots make better tea with the usual methods by showing at a glance when the tea is just the right strength for serving and the tea actually tastes better because it sparkles so appetizingly through crystal clean Pyrex. Pyrex Tea Pots are so beautiful in design that they harmonize with the finest table service.

Not only beautiful on any table but most practical for every meal use. The hottest water will not break them. The deep rim prevents the lid from dropping off when the tea is poured. They clean easily, never craze nor tarnish and still look new when handed down to the grandchildren.

Made of the same wonderful transparent material used in making the famous Pyrex Transparent Ovenware.

Pyrex Tea Pots are made in three beautiful designs in all the useful sizes.

NO. W417 ASSORTMENT

Consists of the following:

	Each
1 only No. 12—2 Cup Round..	$2.50
2 ony No. 14—4 Cup Round..	3.00
1 only No. 16—6 Cup Round..	3.50
1 only No. 22—2 Cup Squat..	2.50
2 only No. 24—4 Cup Squat..	3.00
1 only No. 26—6 Cup Squat..	3 50
1 only No. 32—2 Cup Tall	2.50
2 only No. 34—4 Cup Tall	3.00
1 only No. 36—6 Cup Tall .	3.50
12 Total retail Value	$36.00

ONE IS A CARTON. W'T PER ASS'T 35 LBS.

PYREX Transparent OVEN-WARE

TRADE MARK REG.

Has the name on every piece

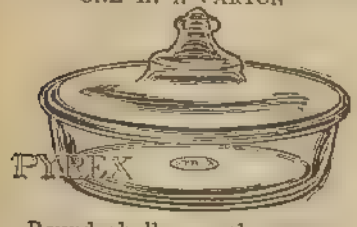
Made of special materials, much harder than ordinary glass, having a hard, smooth surface. Does not absorb odors or flavors. Easy to clean. Sanitary does not lose brilliancy, even with long and constant use. Enables you to bake and serve in the same dish.

CASSEROLES

Round, deep, with covers.

Nos.	164	167	168
Size, in.	4½×2	7½×2⅝	8½×2⅝
Capacity	8 oz.	1 qt.	1½ qt.
Quantity in case	84	30	24
W't per case, lbs.	12	25½	35
Per dozen	$8.40	18.00	21.00
Nos.	**169**	**170**	
Size, in.	9½×5½	9½×3½	
Cap., qts.	2	2½	
W't, doz., lbs.	42½	50	
Per dozen	$24.00	30.00	

ONE IN A CARTON



Round, shallow, with covers.

Nos.	112	113
Size, in.	7⅜×2½	8½×2½
Capacity, qts.	1	1½
Quantity in case	30	24
W't doz., lbs	28	37
Per dozen	$18.00	21.00

ONE IN A CARTON

Round, with Covers.

Nos.	100	101	102
Size, in.	9×3½	9×3¼	8½×2⅝
Capacity, qts.	2½	2	1½
Quantity in case	12	18	24
W't per doz., lbs.	50	42½	36
Per dozen	$30.00	24.00	21.00
Nos.	**103**	**104**	
Size, in.	7½×2½	6½×2½	
Capacity, qts.	1	½	
Quantity in case	30	48	
W't per doz., lbs.	28	15	
Per dozen	$18.00	12.00	

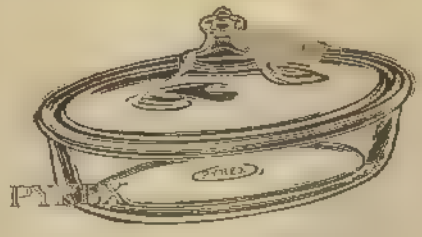
ONE IN A CARTON

CASSEROLES

Oval with covers. Fit Standard metal frames.

Nos.	190	193
Size, in.	10⅛×8×4½	8⅝×6½×2⅞
Capacity, qts.	3½	1
Quantity in case	14	30
W't doz., lbs.	55	27
Per dozen	$	18.00
Nos.	**194**	**197**
Size, in.	9½×7×3¾	8⅝×6½×3⅝
Capacity, qts.	2	1½
Quantity in case	21	24
W't doz., lbs.	40	30
Per dozen	$24.00	21.00

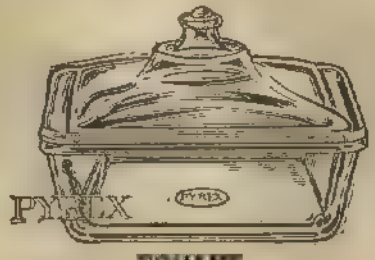
ONE IN A CARTON



Oval, Shallow with Covers.

Nos.	183	184	185
Size, in.	9×6½×2⅜	10⅝×7½×2⅜	12×8⅝×2½
Cap., qts.	1	1½	2
Quantity in case	30	20	16
W't, doz., lbs.	30	39	40
Per doz.	$18.00	21.00	24.00

ONE IN A CARTON

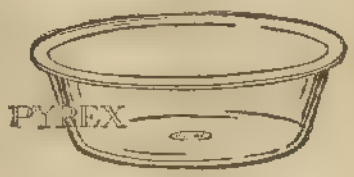


SQUARE

No. 800—Size 8½×3 in., cap. 1½ qts., per dozen $27.00

ONE IN A CARTON, THIRTY IN A CASE

UNCOVERED BAKING OR PUDDING DISHES

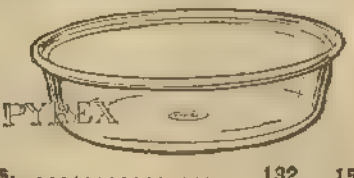


Round.

Nos.	463	464	465
Size, in.		7½×2½	8½×2⅝
Capacity, qts.	½	1	1½
Quantity in case	50	36	30
W't per doz., lbs.	60	15	20
Per dozen	$7.20	10.20	12.00
Nos.	**466**	**467**	
Size, in.	9½×3		
Capacity, qts.	2	2½	
Quantity in case	20	20	
W't doz., lbs.	31		
Per dozen	$14.40	16.80	

ONE IN A CARTON

SHALLOW BAKING DISHES



Nos.	132	155
Capacity, qts.	1	1½
Size, in.	7⅜-2½	8½-2½
Quantity in case	36	30
W't per doz., lbs.	18	21½
Per dozen	$10.20	12.00

ONE IN A CARTON

PUDDING OR BAKING DISHES

Round.

Nos.	120	121	122
Size, in.	9¾×3½	9×3¼	8½×2⅝
Capacity, qts.	2½	2	1½
Quantity in case	20	20	30
W't doz., lbs.	32	27	22
Per dozen	$16.80	14.40	12.00
Nos.	**123**	**124**	
Size, in.	7½	2½	
Capacity, qts.	1	½	
Quantity in case	36	50	
W't doz., lbs.	16	60	
Per dozen	$10.20	7.20	

ONE IN A CARTON

Pyrex, Aluminum and Nickel Plated Ware

QUICK INDEX

	Page.
CAST ALUMINUM WARE	869
NICKEL PLATED WARE	872
PERCOLATORS	870
PYREX WARE	852
PYREX FRAMES	859
STAMPED ALUMINUM WARE	861

PYREX Transparent OVEN-WARE

TRADE MARK REG. Has the name on every piece

PYREX HOUSEHOLD SETS

Four of the most useful items—Packed in handsome Gift Box—White with Blue Ribbon Band.

Containing 14 staple items—Useful for many purposes in every kitchen, every day—

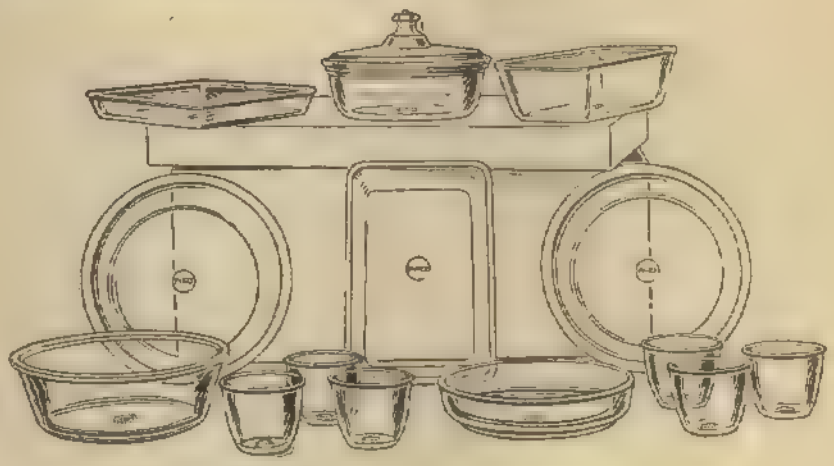
Contents

1 268 1½ qt. Round Casserole
1 231 10½x6½x2 in. Utility Pan
1 135 1 qt. Round Baker
1 466 2 qt Round Pudding
1 212 9½x5½x2¾ in. Bread Pan
2 209 9½ in. Pie Plates.
1 234 9½x7⅝x1¾ in. Biscuit Pan
6 426 6 oz. Custards

No. 10—Set of 14 pieces, per set $10.00

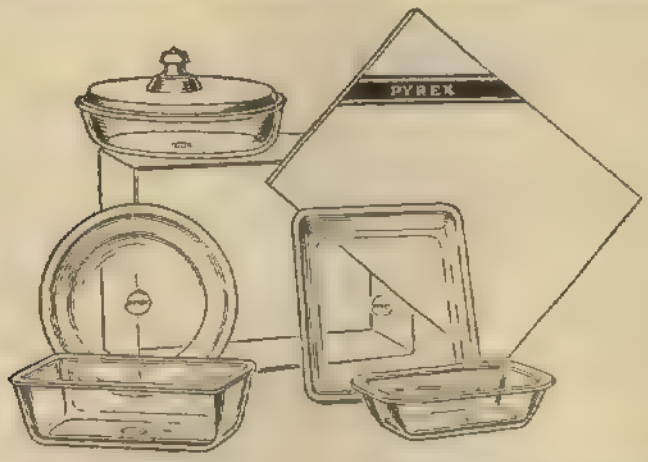
No. 1416—Set of four pieces, per set $7.00

ONE SET IN A BOX



GIFT SETS

FOR WEDDINGS, ANNIVERSARIES, PRIZES, BIRTHDAYS, SHOWERS—IN FACT, ANY TIME WHEN A GIFT OF DISTINCTION IS DESIRED. PACKED IN SPECIALLY ATTRACTIVE BOXES.



PLAIN WARE

No. 5—
Each set contains
1 No.284—½ qt. Oval Casserole.
1 No. 212—9½x5½x2¾ in. Bread Pan.
1 No.208—8½ in. Pie Plate.
1 No. 234—9½x7⅝x1¾ in. Biscuit Pan.
1 No. 145—7⅞x5¾x2 in. Baker.

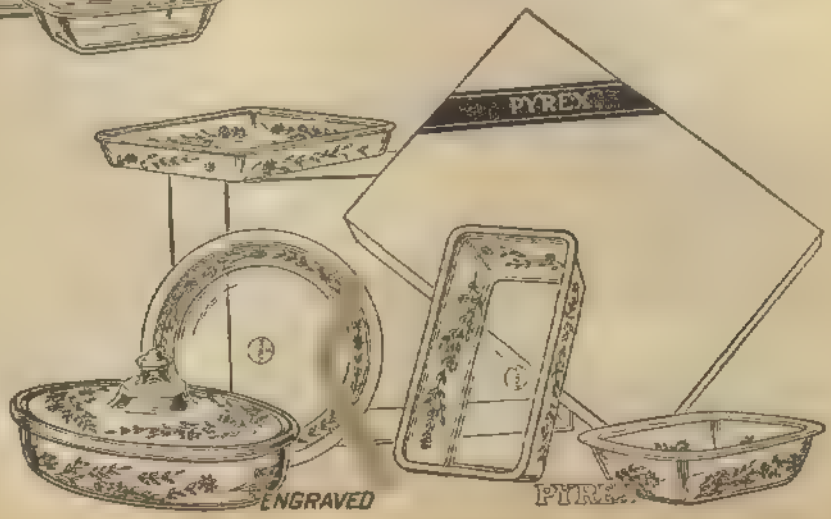
W't per set 10 lbs., per set $5.00

ENGRAVED WARE

No. 5E2—

Each set contains:
1 No. 284E—1½ qt. Oval Casserole.
1 No. 212E—9½x5½x2¾ in. Bread Pan.
1 No. 208E—8½ in. Pie Plate.
1 No. 234E—9½x7⅝x1¾ in. Biscuit Pan.
1 No. 145E—7⅞x5¾x2 in. Baker.

W't per set 10 lbs., per set $8.00



DIAMOND EDGE "SAFETY PRESS BUTTON" KNIVES

(U. S. Patents 812, 601 and 845,130)

TRADE MARK REGISTERED IN THE U. S. PATENT OFFICE

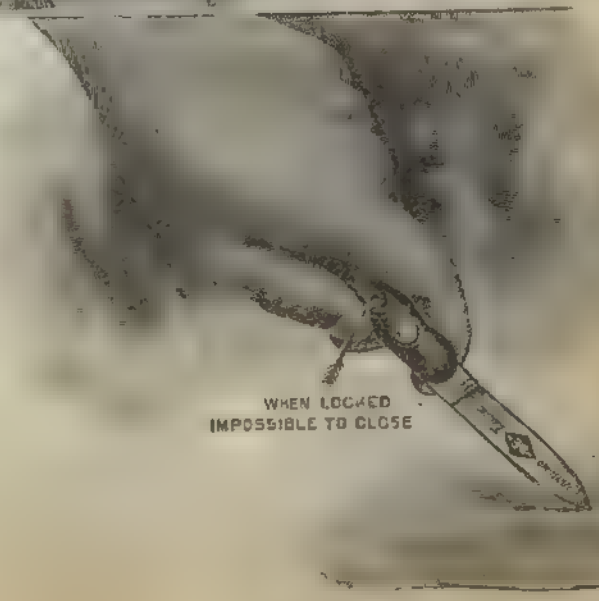
TRADE MARK REGISTERED IN THE U. S. PATENT OFFICE

The *DIAMOND EDGE* "Safety Press Button" Knife is a Convenient Automatic Fly-Open Pocket Knife, Which Can be Opened and Closed With One Hand; No Danger of Breaking Finger Nails, and Can Be As Easily Operated With Gloves On the Hands As Without; the Trouble Experienced in Opening An Ordinary Pocket Knife When Fingers Are Benumbed With Cold is Entirely Overcome in the Safety Press Button. The Most Valuable Features of This Knife, However, Lie in the Fact That the **Blades Can Be Locked Either In An Open or Closed Position,** Avoiding Any Possibility of Injuries, Caused by Accidental Opening While in the Pocket or Closing While Being in Use. **When the Safety is Pushed Into Position the Blades Are Positively Secure and Safe Against Opening in the Pocket. This Knife is the Only One On the Market Possessing This Very Important Feature.**

The Life of a Safety Press Button Knife is Practically Long and the Mechanism Will Be Found in the Same Good Order When the Blades are Entirely Worn Out As When the Knife Was Purchased. It Has Other Pocket Knife Advantage as Compared With An Ordinary Pocket Knife, As On the *DIAMOND EDGE* "Safety Press Button" There is No Friction Whatever On the Tangs of the Blades. On the Ordinary Type of Knife the Blade Springs Wear Away the Tangs, Causing the Points to Rise Above the Handle. This Can Never Occur in the "Safety Press Button." The Points Will Positively Not Rise Above the Handle Unless the Shape of the Blades Should be Changed. This Feature We Can Sole[illegible] to Our Knife, Owing to the Construction of the Locking Mechanism.

This Pattern is the Result of About Fifteen Years Thought on the Subject of Automatic Fly-Open Knives, and We Have Finally Produced an Article Free From All Undesirable Elements So Commonly Found in This Class of Knives. The "Safety Press Button" is a Distinct Departure From the Original Mechanism of the Old Style Press Button and a General Improvement in Appearance and Effectiveness

Second to Appearance and Effectiveness in the Design of the "Safety Press Button," We Considered the Strength and Durability of the Various Parts and Mechanism. These Points Are of Vital Importance in a Knife of This Character and One Which Could Never Be Claimed For the Old Style Press Button.



The Design Throughout is Superior and More Symmetrical Than the Old Style; the Blades Are Fuller and the Handles Are More Shapely From Every Point Considered

The Workmanship is of the Highest Class Used in the Production of Any Pocket Knives in the World. They Are Made On the Interchangeable Plan; That Is, Each and Every Part of Any Knife is An Exact Duplicate of a Similar Part of Any Other Knife of the Same Size or Style.

Blades Made of **Highest Grade English Steel,** Properly Hardened and Tempered to the Most Desirable Degree of Hardness So That They Will Hold Their Edges and Will Not Break Off, Chip Out or Become a Feather Edge. All Materials Are of Best Quality and the Most Suitable Which Can be Procured on the Market.

TRADE MARK REGISTERED IN THE U. S. PATENT OFFICE

*DIAMOND EDGE "SAFETY PRESS BUTTON" POCKET KNIVES

(U. S. Patents 812,601 and 845, 130)

POINTS WHICH PROVE THE EXCELLENCE AND SUPERIORITY OF THE *DIAMOND EDGE* "SAFETY PRESS BUTTON"

TRADE MARK REGISTERED IN THE U. S. PATENT OFFICE

Illustration Shows Full View of Knife With Sections of Coverings Removed.

Safety Slides Released, Allowing Blades to Open When Buttons Are Pressed.

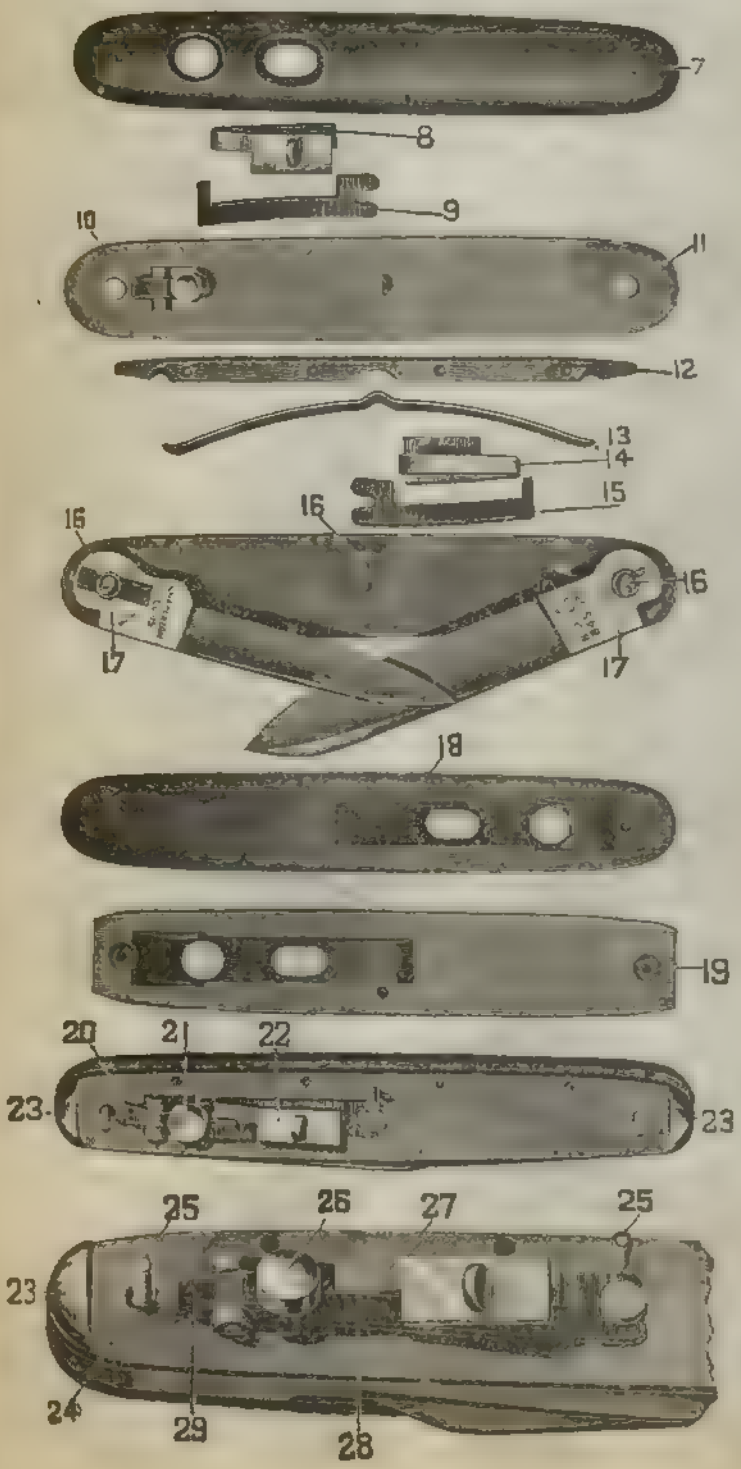


Fig. 7—Showing Black Celluloid Covering Removed.

Fig. 8—Locking Device Which Slides Under the Button.

Fig. 9—Spring Which Throws the Lever, Locking the Blade.

Fig. 10—Shows Locking Lever.
Fig. 11—Shows the Brass Lining of the Knife With Rivet Perforations.

Fig. 12—Back Spring of the Knife.

Fig. 13—Fly Spring Which Throws Open Either Blade.
Fig. 14—Reverse Lock for the Second Blade in the Knife.
Fig. 15—The Spring for Locking the Lever.

Fig. 16—Solid Rivet Running Through Covering, Blade and Lining of Knife.
Fig. 17—Hollow Rivets, Going Through Blades As Well As Linings of Knives. (Extra Strengthening to Knife.)

Fig. 18—Second Black Celluloid Covering or Handle of Knife, Showing Depressions for Locking Device.

Fig. 19—Showing Scale Cut Off for a Tipped or Bolstered Knife—Depression Showing the Place for the Mechanism of the Locking Device.

Fig. 20—Locking Lever for Blade.
Fig. 21—Button for Releasing Lock of Blade.
Fig. 22—Sliding Locking Device.
Fig. 23—Tips or German Silver Bolsters for Knives.

Fig. 24—Showing Enlarged Solid Rivet and Adding Extra Strength to Knife No Other Spring Knife Made in This Way.
Fig. 25—Solid Rivet Running Through Covering Blade and Lining of Knife
Fig. 26—Showing Press Button, Releasing Lock or Lever.
Fig. 27 -Showing Enlarged Locking Device.
Fig. 28—Shows Lever Locking Spring
Fig. 29—Showing Enlarged Locking Lever.

*DIAMOND EDGE "SAFETY PRESS BUTTON" POCKET KNIVES

(U. S. Patents 812,601 and 845,130)

TRADE MARK REGISTERED IN THE U. S. PATENT OFFICE

TRADE MARK REGISTERED IN THE U. S. PATENT OFFICE

Forged from Best Pocket Cutlery Steel Known, Carefully Hardened and Perfectly Tempered by the Most Skilled and Experienced Cutters. Celebrated for Perfect Cutting Edges, Ease in Opening of Blades, Superior Finish and Symmetrical Appearance. Every Blade Sharpened and Honed Ready for Use; Free from Flaws and Imperfections.

Per Dozen

No. S1ST—Stag Handle, Brass Lining, Length, 3⅜ inches; Large Spear and Small Pen Blades; Half Polished; Etched **$24 00**
Half Dozen in a Box; Weight per Dozen, 18 ozs.

Per Dozen

No. S1W—Ivory Celluloid Handle, Brass Lining, Length 3⅜ inches, Large Spear and Small Pen Blades, Half Polished, Etched **$26.00**

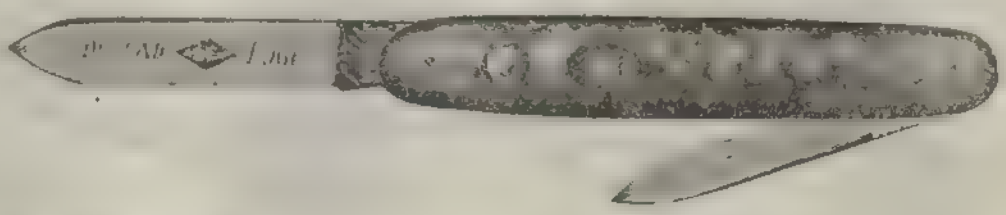
No. S1T—Tortoise Shell Celluloid Handle; Otherwise Same as Above **26 00**

No. S1G—Green Pearl Celluloid Handle; Otherwise Same as Above **26 00**

No. S1D—Smoked Pearl Celluloid Handle; Otherwise Same as Above **26 00**

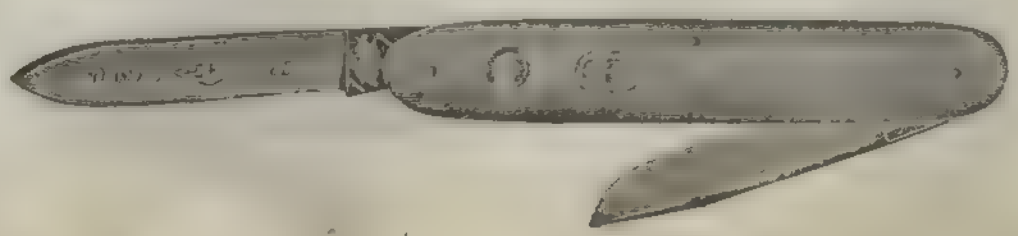
No. S1X—Mottled Green Celluloid Handle; Otherwise Same as Above **26.00**

No. S1RO—Royal Onyx Celluloid Handle; Otherwise Same as Above **26.00**
Half Dozen in a Box; Weight per Dozen, 18 ozs.



Per Dozen

No. S1P—Pearl Handle; Brass Lining, Length 3⅜ inches, Large Spear and Small Pen Blades, Crocus Finish, Etched **$64 00**
Half Dozen in a Box; Weight per Dozen, 18 ozs.



Per Dozen

No. S1⅝W—Ivory Celluloid Handle, Brass Lining, Length, 3⅝ inches, Large Spear and Large Office Knife Blades, Half Polished, Etched **$36 40**
Half Dozen in a Box; Weight per Dozen, 18 ozs.

TRADE MARK REGISTERED IN THE U. S. PATENT OFFICE

*DIAMOND EDGE "SAFETY PRESS BUTTON" POCKET KNIVES

(U. S. Patents 812,601 and 845,130)

TRADE MARK REGISTERED IN THE U. S. PATENT OFFICE

Forged from Best Pocket Cutlery Steel Known, Carefully Hardened and Perfectly Tempered by the Most Skilled and Experienced Cutlers. Celebrated for Perfect Cutting Edges, Ease in Opening of Blades, Superior Finish and Symmetrical Appearance. Every Blade Sharpened and Honed Ready for Use; Free from Flaws and Imperfections.

Per Dozen

No. S2ST—Stag Handle, Brass Lining; Length, 3⅜ inches; Nickel Silver Tips, Large Spear and Small Pen Blades, Half Polished, Etched.....**$28 00**
Half Dozen in a Box; Weight per Dozen, 18 ozs.

Per Dozen

No. S2W—Ivory Celluloid Handle, Brass Lining, Nickel Silver Tips; Length 3⅜ inches, Large Spear and Small Pen Blades; Half Polished; Etched ...**$28 00**

No. S2X—Mottled Green Celluloid Handle; Otherwise Same as Above..... **28.00**

No. S2D—Smoked Pearl Celluloid Handle, Otherwise Same as Above..... **28.00**

No. S2C—Cocobolo Celluloid Handle; Otherwise Same as Above..... **28.00**

No. S2G—Green Pearl Celluloid Handle; Otherwise Same as Above..... **28.00**

No. S2BP—Black Pyralin Celluloid Handle; Otherwise Same as Above..... **28.00**
Half Dozen in a Box; Weight per Dozen, 18 ozs.

Per Dozen

No. S2P—Pearl Handle; Brass Lining, Nickel Silver Tips, Length, 3⅜ inches; Large Spear and Small Pen Blades; Crocus Polished; Etched **$70 00**
Half Dozen in a Box; Weight per Dozen, 18 ozs.

Per Dozen

No. S3ST—Stag Handle; Brass Lining, Length, 3⅝ inches, Large Spear and Nail File Blades; Half Polished, Etched **$33.00**
Half Dozen in a Box; Weight per Dozen, 18 ozs.

*DIAMOND EDGE "SAFETY PRESS BUTTON" POCKET KNIVES

(U. S. Patents 812,601 and 845,130)

TRADE MARK REGISTERED IN THE U. S. PATENT OFFICE

TRADE MARK REGISTERED IN THE U. S. PATENT OFFICE

Forged from Best Pocket Cutlery Steel Known, Carefully Hardened and Perfectly Tempered by the Most Skilled and Experienced Cutlers Celebrated for Perfect Cutting Edges, Ease in Opening of Blades, Superior Finish and Symmetrical Appearance. Every Blade Sharpened and Honed Ready for Use; Free from Flaws and Imperfections.

Per Dozen

No. S3C—Cocobolo Celluloid Handle Brass Lining; Length, 3⅜ inches; Large Spear and Nail File Blades, Half Polished, Etched **$26 00**

No. S3D—Smoked Pearl Celluloid Handle; Otherwise Same as Above **26.00**

Half Dozen in a Box; Weight per Dozen, 18 ozs.

Per Dozen

No. S3P—Pearl Handle; Brass Lining, Length, 3⅜ inches, Large Spear and Nail File Blades, Crocus Finish, Etched **$64 00**

Half Dozen in a Box; Weight per Dozen, 18 ozs.

Per Dozen

No. S4ST—Stag Handle Brass Lining; Nickel Silver Tips; Length, 3⅜ inches, Large Spear and Nail File Blades, Half Polished; Etched **$30.00**

Half Dozen in a Box; Weight per Dozen, 18 ozs.

Per Dozen

No. S4C—Cocobolo Celluloid Handle Brass Lining Nickel Silver Tips, Length, 3⅜ inches Large Spear and Nail File Blades Half Polished; Etched .**$30 00**

No. S4D—Smoked Pearl Celluloid Handle; Otherwise Same as Above **30 00**

Half Dozen in a Box; Weight per Dozen, 18 ozs.

Per Dozen

No. S4P—Pearl Handle; Brass Lining Nickel Silver Tips; Length, 3⅜ inches; Large Spear and Nail File Blades; Crocus Finish; Etched **$72 00**

Half Dozen in a Box; Weight per Dozen, 18 ozs.

TRADE MARK REGISTERED IN THE U. S. PATENT OFFICE

*DIAMOND, EDGE "SAFETY PRESS BUTTON" POCKET KNIVES

(U. S. Patents 812,601 and 845,130)

TRADE MARK REGISTERED IN THE U. S. PATENT OFFICE

Forged from Best Pocket Cutlery Steel Known, Carefully Hardened and Perfectly Tempered by the Most Skilled and Experienced Cutlers. Celebrated for Perfect Cutting Edges, Ease in Opening of Blades, Superior Finish and Symmetrical Appearance. Every Blade Sharpened and Honed Ready for Use; Free from Flaws and Imperfections.

Per Dozen

No. S5ST—Stag Handle, Brass Lining, Nickel Silver Bolsters, Length, 3¼ inches, Large Spear and Large Clip Blades, Half Polished, Etched $36 00

No. S5½ST—Large Clip and Large Spey Blades; Otherwise Same as Above. 36.00

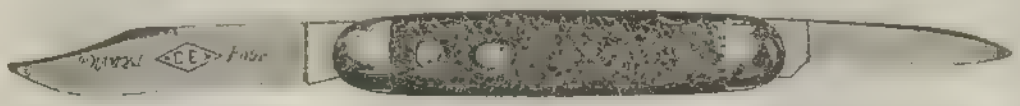
Half Dozen in a Box; Weight per Dozen, 18 ozs.

Per Dozen

No. S6ST—Stag Handle, Brass Lining, Nickel Silver Bolsters, Length, 3¾ inches, Large Spear and Small Pen Blades, Half Polished, Etched.... $36 00

No. S6D—Smoked Pearl Celluloid Handle; Otherwise Same as Above..... ..... 36.00

Half Dozen in a Box; Weight per Dozen, 18 ozs.



Per Dozen

No. S8¾ST—Stag Handle, Brass Lining, Nickel Silver Bolsters, Length, 3¾ inches, Large Clip and Small Pen Blades, Half Polished, Etched $36 00

No. S8¾W—Ivory Grain Celluloid Handle; Otherwise Same as Above..... ..... 36 00

No. S8¾D—Smoked Pearl Celluloid Handle; Otherwise Same as Above 36 00

Half Dozen in a Box; Weight per Dozen, 18 ozs.

Per Dozen

No. S9ST—Stag Handle, Brass Lining; Nickel Silver Bolsters, Length 3¾ inches, Large Spear and Leather Punch Blades; Half Polished; Etched ...$36.00

Half Dozen in a Box; Weight per Dozen, 18 ozs.

Per Dozen

No. S10ST—Stag Handle, Brass Lining; Nickel Silver Tips; Length, 3¾ inches, Large Spear and Small Pen Blades, Half Polished, Etched.. .$36 00

No. S10D—Smoked Pearl Celluloid Handle, Otherwise Same as Above 36 00

Half Dozen in a Box; Weight per Dozen, 18 ozs.

*DIAMOND EDGE "SAFETY PRESS BUTTON" POCKET KNIVES

(U. S. Patents 812,601 and 845,130)

TRADE MARK REGISTERED IN THE U. S. PATENT OFFICE

TRADE MARK REGISTERED IN THE U. S. PATENT OFFICE

Forged from Best Pocket Cutlery Steel Known, Carefully Hardened and Perfectly Tempered by the Most Skilled and Experienced Cutlers. Celebrated for Perfect Cutting Edges, Ease in Opening of Blades, Superior Finish and Symmetrical Appearance. Every Blade Sharpened and Honed Ready for Use; Free from Flaws and Imperfections.

Per Dozen

No. S11SS—Sterling Silver Handle; Highly Embossed; Nickel Silver Lining; Length, 3⅜ inches; Large Spear and Small Pen Blades; Crocus Finish, Etched $66.00

Half Dozen in a Box; Weight per Dozen, 1¼ lbs.

Per Dozen

No. S12SS—Sterling Silver Handle, Highly Embossed; Nickel Silver Lining; Length, 3½ inches; Large Spear and Small Pen Blades; Crocus Finish; Etched $66.00

Half Dozen in a Box; Weight per Dozen, 1⅜ lbs.

Per Dozen

No. S13SS—Sterling Silver Handle; Highly Embossed; Nickel Silver Lining; Length, 3⅛ inches; Large Spear and Small Pen Blades; Crocus Finish; Etched $66.00

Half Dozen in a Box; Weight per Dozen, 1⅜ lbs.

OUTING, SCOUTING AND ROUTING KNIFE

SAFETY PRESS BUTTON

Per Dozen

No. S14ST—Stag Handle, Steel Lining, Steel Bolsters, Length, 4⅞ inches, One Large Clip Blade, Glazed Finish; Etched $30.00

Half Dozen in a Box; Weight per Dozen, 3¼ lbs.

Per Dozen

No. S15ST—Stag Handle; Steel Lining; Steel Bolsters, Length, 4½ inches, One Large Clip Blade; Glazed Finish, Etched $28.00

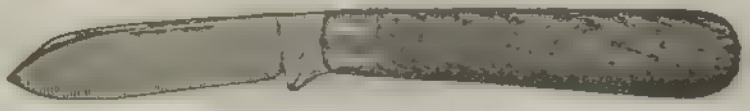
Half Dozen in a Box; Weight per Dozen, 2¾ lbs.

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE

POCKET KNIVES

TRADE MARK REGISTERED IN THE U. S. PATENT OFFICE

Forged from Best Pocket Cutlery Steel Known, Thomas Firth & Sons, Sheffield, England; Carefully Hardened and Perfectly Tempered by the Most Skilled and Experienced Cutlers. Celebrated for Perfect Cutting Edges, Ease in Opening of Blades, Superior Finish and Symmetrical Appearance. Every Blade Sharpened and Honed Ready for Use; Free from Flaws and Imperfections.



Per Dozen

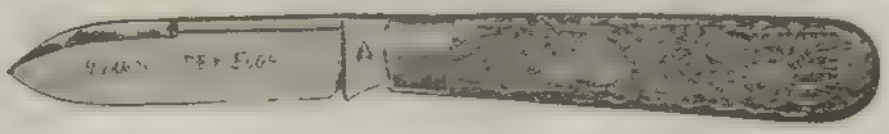
No. 1S01—Cocobolo Handle; Steel Lining; Steel Bolster; Length, 3 inches, Large Spear Blades; Glazed Finish. **$8.00**
Half Dozen in a Box; Weight per Dozen, 1 lb.

Per Dozen

No. 1S198W—White Bone Handle; Brass Lining; Length, [illegible] Large Corn Knife Blade; Polished and Etched **$18.00**
[illegible]

Per Dozen

No. 1S185⅛1R—Black Iron Handle; Steel Lining; Steel Bolster; Length, 3½ inches; Large Spey Blade; Glazed Finish **$9.00**
Half Dozen in a Box; Weight per Dozen, 1½ lbs.



Per Dozen

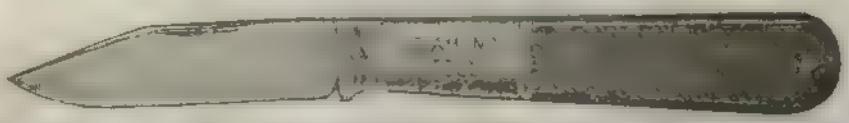
No. 1S1—Cocobolo Handle; Steel Lining; Steel Bolster; Length, 3½ inches; Large Spear Blade; Glazed Finish; Nickel Silver Shield..... **$13.00**

No. 1S1ST—Stag Handle; Steel Lining; Steel Bolster; Length, 3½ inches, Large Spear Blade; Glazed Finish; Nickel Silver Shield..... **13.00**

No. 1S1⅛—Cocobolo Handle; Steel Lining; Steel Bolster; Length, 3½ inches; Large Spey Blade; Glazed Finish; Nickel Silver Shield..... **13.00**

No. 1S1⅛ST—Stag Handle; Steel Lining; Steel Bolster; Length, 3½ inches; Large Spey Blade; Glazed Finish; Nickel Silver Shield..... **13.00**

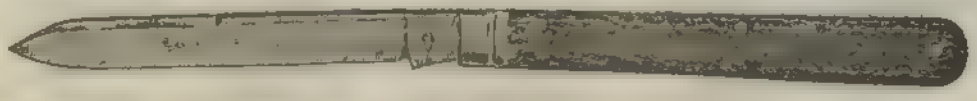
No. 1S1¾—Cocobolo Handle; Steel Lining; Steel Bolster, Length, 3½ inches; Large Clip Blade; Glazed Finish; Nickel Silver Shield..... **13.00**
Half Dozen in a Box; Weight per Dozen, 1½ lbs.



Per Dozen

No. 1S0—Brown Bone Handle; Steel Lining; Steel Bolster, Length, [illegible] Large Spear Blade; Glazed Finish **$7.50**

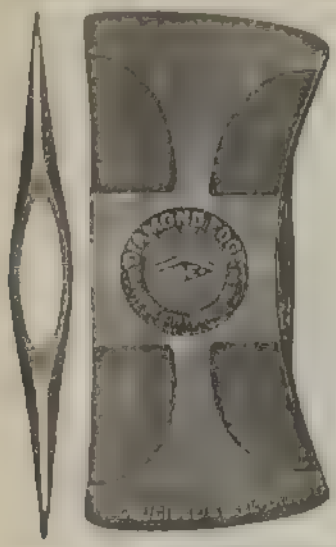
No. 1S0¾—Brown Bone Handle; Steel Lining; Steel Bolster; Length, [illegible] Large Clip Blade; Glazed Finish..... **7.50**
Half Dozen in a Box; Weight per Dozen, 1½ lbs.



Per Dozen

No. 1S162ST—Stag Handle; Brass Lining; Nickel Silver Bolster; Length, [illegible] inches; Long Spear Blade, Half Polished, Etched **$20.00**
Half Dozen in a Box; Weight per Dozen, 1½ lbs.

DOUBLE BIT AXES



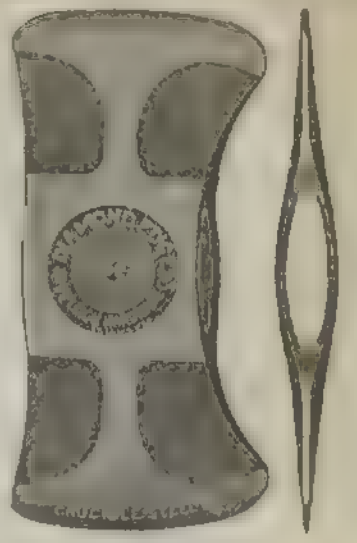
★DIAMOND EDGE
TRADE MARK REGISTERED IN THE U.S. PAT. OFFICE

PHANTOM BEVELED
Polished and Labeled; Carmine Painted Bevels

DIAMOND EDGE Axes are Recognized as Being the Best Made. They are Hand Tempered by an Improved Process; Every Axe Carefully Tested Before Leaving the Factory. This Practically Prevents Axes with Flaws or Soft Cutting Edges Reaching the User. It also Insures Uniformity of Temper, without which an Axe will Not Hold a Fine, Sharp Cutting Edge.

Highest Grade **Crucible Steel** Bit, Carefully Tempered and Ground. Soft Steel Body. **The Eyes are Punched** from Solid Steel and will not Stretch nor Break, as Occurs with Axes Having a Rolled or Welded Eye. The Eye is Tapered from the Outer to the Inner Opening; this Holds the Handle Firmly and Prevents its Splitting.

In Ordering Axes on this Page Give Numbers and Weights Only



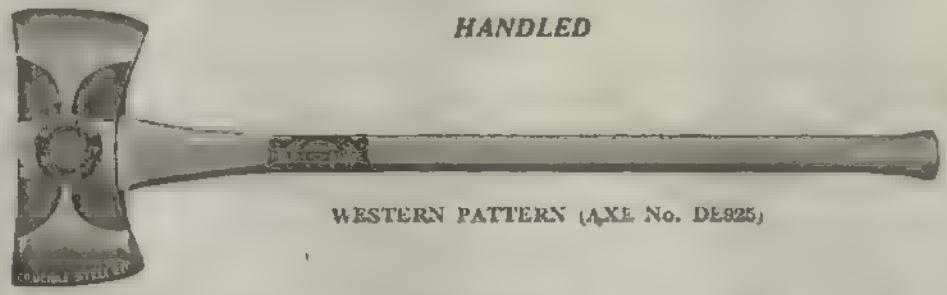
UNHANDLED

No. DE925—WESTERN PATTERN						No. DE865—MICHIGAN PATTERN				
Weights, Assorted	3 4	3½ 4½	4 5	4½/5½	5 6	Weights, Assorted	3 4	3½ 4½	4 5	4½/5½
Per Dozen .	$34.00	35 00	36 00	37 00	38 00	Per Dozen . .	$34.00	35 00	36 00	37 00

One Dozen of each Assortment of Weights in a Box. Average Weight per Box 55 lbs.

HANDLED

DIAMOND EDGE Axe Wedge Used in All Our Handled Axes.



WESTERN PATTERN (AXE No. DE925)

Cut Shows Wedge Driven in Handle and Handle Pulled Open to Show Binding Effect Produced by Action of the Wedge.

Kind of Handle	Weights, Assorted	3/4	3½/4½	4/5	4½/5½	5 6
No DE925AA —With No. AA Norleigh Diamond Octagon.	Per Dozen	$48 50	$44 50	$45 50	$46 50	$47.50
No DE925XAA—With No. XAA Norleigh Diamond Octagon.	"	44 50	45 50	46 50	47 50	48 50
No DE925BB —With No. BB Norleigh Diamond Oval	"	43 50	44 50	45 50	46 50	47.50
No. DE925CC —With No CC Favorite Octagon	"	43 00	44 00	45 00	46 00	47 00
No. DE925DD —With No DD Favorite Oval	"	43 00	44 00	45 00	46 00	47 00
No. DE925EE —With No EE Tip Top Octagon	"	42 00	43 00	44 00	45 00	46 00
No. DE925FF —With No. FF Tip Top Oval	"	42 00	43 00	44 00	45 00	46 00
No. DE925LL —With No. LL Mound City Oval	"	40 50	41 50	42 50	43 50	44 50
No. DE925LLO—With No. LLO Mound City Octagon	"	40 50	41 50	42 50	43 50	44 50
No. DE925LOD—With No. LOD Live Oak Oval, Oak	"	42 00	43 00	44 00	45 00	46.00

One Dozen of Each Assortment of Weights in a Crate; Average Weight per Crate 75 lbs.

DIAMOND EDGE Axe Wedge Used in All Our Handled Axes.

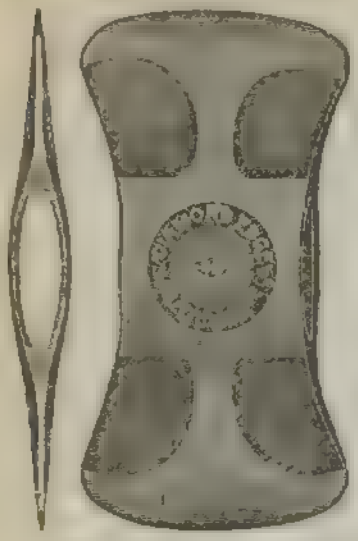
MICHIGAN PATTERN—(AXE No. DE865)

Cut Shows Handle Broken Open to Show the Two Round Slivers Cut by Wedge.

Kind of Handle	Weights, Assorted	3/4	3½/4½	4/5	4½/5½
No. DE865AA —With No. AA Nor. Dia. Octagon.	Per Dozen	$43.50	$44.50	$45 50	$46.50
No. DE865XAA—With No. XAA Norleigh Diamond Octagon	"	44 50	45 50	46 50	47.50
No. DE865BB —With No. BB Norleigh Diamond Oval.	"	43.50	44 50	45 50	46 50
No. DE865CC —With No. CC Favorite Octagon.	"	43 00	44 00	45 00	46.00
No. DE865DD —With No. DD Favorite Oval	"	43 00	44 00	45 00	46.00
No. DE865EE —With No. EE Tip Top Octagon	"	42 00	43 00	44 00	45.00
No. DE865FF —With No. FF Tip Top Oval	"	42 00	43 00	44.00	45.00
No. DE865LL —With No. LL Mound City Oval	"	40 50	41 50	42 50	43.50
No DE865LLO—With No. LLO Mound City Octagon.	"	40 50	41 50	42 50	43.50
No. DE865LOD—With No. LOD Live Oak Oval, Oak	"	42.00	43.00	44.00	45.00

One Dozen of Each Asortment of Weights in a Crate; Average Weight per Crate, 75 lbs.

DOUBLE BIT AXES

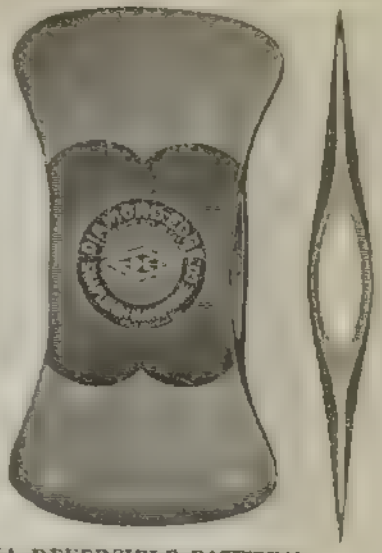


★*DIAMOND EDGE*

TRADE MARK REGISTERED DE IN THE U. S. PAT. OFFICE

DIAMOND EDGE Axes are Recognized as Being the Best Made. They are **Hand Tempered** by an Improved Process; Every Axe **Carefully Tested** Before Leaving the Factory. This Practically Prevents Axes with Flaws or Soft Cutting Edges Reaching the User. It also Insures Uniformity of Temper, without which an Axe will not Hold a Fine, Sharp Cutting Edge.

Highest Grade **Crucible Steel** Bit, Carefully Tempered and Ground, Soft Steel Body. The **Eyes are Punched** from Solid Steel and will not Stretch nor Break, as Occurs with Axes Having a Rolled or Welded Eye. The Eye is Tapered from the Outer to the Inner Opening; this Holds the Handle Firmly and Prevents its Splitting.



In Ordering Axes on this Page Give Numbers and Weights Only

UNHANDLED

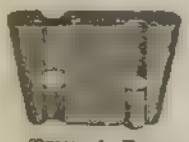
No. DE965—CALIFORNIA REVERSIBLE PATTERN PHANTOM BEVELED
Polished and Labeled; Carmine Painted Bevels

Weights, Assorted	3 4	3½ 4½	4 5	4½ 5½
Per Dozen	$34 00	35 00	36 00	37 00

No. DE950—CALIFORNIA REVERSIBLE PATTERN
Gold Bronzed and Labeled; Polished Bits

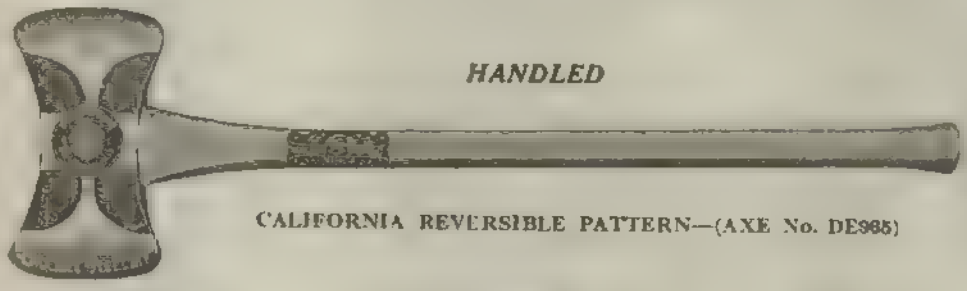
	Wide Bits		
Weights, Assorted	3 4	3½ 4½	4 5
Per Dozen	$32 00	33 00	34 00

One Dozen of Each Assortment of Weights in a Box; Average Weight per Box 55 lbs.



DIAMOND EDGE Axe Wedge Used in All Our Handled Axes.

HANDLED



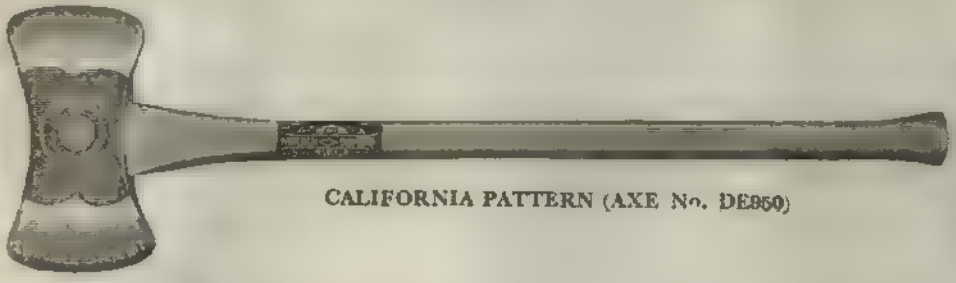
CALIFORNIA REVERSIBLE PATTERN—(AXE No. DE965)

Cut Shows Wedge Driven in Handle and Handle Pulled Open to Show Binding Effect Produced by Action of the Wedge.

Kind of Handle	Weights, Assorted	3/4	3½/4½	4/5	4½/5½
No. DE965AA —With No. AA Norleigh Diamond Octagon	Per Dozen	$43.50	$44.50	$45.50	$46 50
No. DE965XAA —With No. XAA Norleigh Diamond Octagon	"	44.50	45 50	46.50	47 50
No. DE965BB —With No. BB Norleigh Diamond Oval	"	43.50	44 50	45 50	46 50
No. DE965CC —With No. CC Favorite Octagon	"	43 00	44 00	45 00	46 00
No. DE965DD —With No. DD Favorite Oval	"	43.00	44.00	45.00	46 00
No. DE965EE —With No. EE Tip Top Octagon	"	42 00	43.00	44 00	45 00
No. DE965FF —With No. FF Tip Top Oval	"	42 00	43 00	44.00	45.00
No. DE965LL —With No. LL Mound City Oval	"	40 50	41 50	42.50	43.50
No. DE965LLO—With No. LLO Mound City Octagon	"	40.50	41 50	42 50	43.50
No. DE965LOD—With No. LOD Live Oak Oval Oak	"	42.00	43.00	44.00	45.00

One Dozen of Each Assortment of Weights in a Crate; Average Weight per Crate 75 lbs.

DIAMOND EDGE Axe Wedge Used in All of Our Handled Axes.



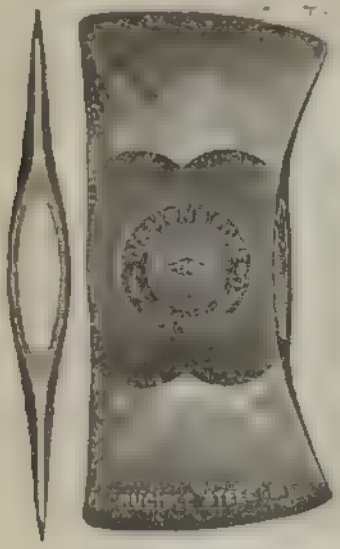
CALIFORNIA PATTERN (AXE No. DE950)

Cut Shows Handle Broken Open to Show the Two Round Slivers Cut by Wedge.

Kind of Handle	Weights, Assorted	3/4	3½/4½	4½/5½
No. DE950AA —With No. AA Norleigh Damond Octagon	Per Dozen	$41.50	$42.50	$43.50
No. DE950XAA—With No. XAA Norleigh Diamond Octagon	"	42 50	43.50	44 50
No. DE950BB —With No. BB Norleigh Diamond Oval	"	41 50	42 50	43.50
No. DE950CC —With No. CC Favorite Octagon	"	41.00	42 00	43.00
No. DE950DD —With No. DD Favorite Oval	"	41 00	42 00	43.00
No. DE950EE —With No. EE Tip Top Octagon	"	40 00	41 00	42.00
No. DE950FF —With No. FF Tip Top Oval	"	40 00	41 00	42 00
No. DE950LL —With No. LL Mound City Oval	"	38 50	39 50	40 50
No. DE950LLO—With No. LLO Mound City Octagon	"	38 50	39.50	40.50
No. DE950LOD—With No. LOD Live Oak Oval, Oak	"	40.00	41.00	42.00

One Dozen of Each Assortment of Weights in a Crate, Average Weight per Crate 75 lbs.

DOUBLE BIT AXES



* DIAMOND EDGE

TRADE MARK REGISTERED IN THE U.S. PAT. OFFICE

Gold Bronzed and Labeled; Polished Bits

DIAMOND EDGE Axes are Recognized as Being the Best Made. They are **Hand Tempered** by an Improved Process. **Every Axe is Carefully Tested** Before Leaving the Factory. This Practically Prevents Axes with Hard or Soft Cutting Edges Reaching the User. It also Insures Uniformity of Temper, without which an Axe will Not Hold a Fine, Sharp Cutting Edge.

Highest Grade **Crucible Steel** Bit. Carefully Tempered and Ground. Soft Steel Body. The **Eyes are Punched** from Solid Steel and will not Stretch nor Break, as Occurs with Axes Having a Rolled or Welded Eye. The **Eye is Taperd** from the Outer to the Inner Opening; this Holds the Handle Firmly and Prevents its Splitting.

In Ordering Axes on this Page, Give Numbers and Weights Only

UNHANDLED

No. DE850—WESTERN PATTERN

Weights, Assorted	3 4	3½ 4½	4 5	4½ 5½
Per Dozen	$32 00	33 00	34 00	35 00

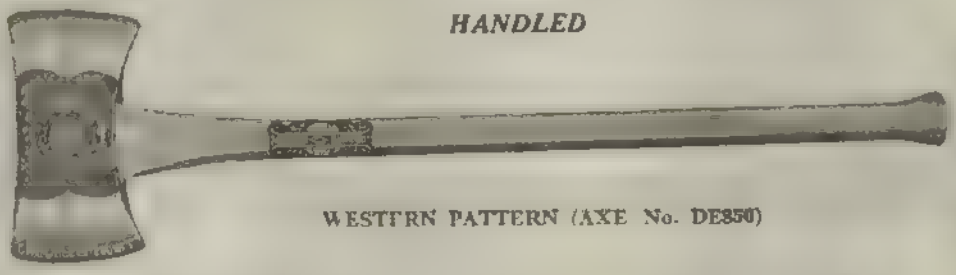
No. DE875—MICHIGAN PATTERN

Weights, Assorted	3 4	3½ 4½	4 5	4½ 5½
Per Dozen	$32 00	33 00	34.00	35 00

One Dozen of Each Assortment of Weights in a Box; Average Weight per Box 55 lbs.

HANDLED

DIAMOND EDGE Axe Wedge Used in All of Our Handled Axes.



WESTERN PATTERN (AXE No. DE850)

Cut Shows Wedge Driven in Handle and Handle Pulled Open to Show Binding Effect Produced by Action of the Wedge.

Kind of Handle	Weights, Assorted	3/4	3½/4½	4/5	4½/5½
No. DE850AA —With No. AA Norleigh Diamond Octagon	Per Dozen	$41 50	$42 50	$43 50	$44 50
No. DE850XAA—With No. XAA Norleigh Diamond Octagon	"	42 50	43 50	44 50	45 50
No. DE850BB —With No. BB Norleigh Diamond Oval	"	41 50	42 50	43 50	44 50
No. DE850CC —With No. CC Favorite Octagon	"	41 00	42 00	43 00	44 00
No. DE850DD —With No. DD Favorite Oval	"	41 00	42 00	43 00	44 00
No. DE850EE —With No. EE Tip Top Octagon	"	40 00	41 00	42 00	43 00
No. DE850FF —With No. FF Tip Top Oval	"	40 00	41 00	42 00	43 00
No. DE850LL —With No. LL Mound City Oval	"	38 50	39 50	40 50	41 50
No. DE850LLO —With No. LLO Mound City Octagon	"	38 50	39 50	40 50	41 50
No. DE850LOD —With No. LOD Live Oak Oval Oak	"	40 00	41 00	42 00	43.00

One Dozen of Each Assortment of Weights in a Crate; Average Weight per Crate 75 lbs.

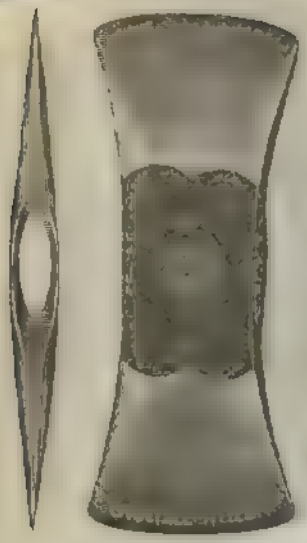
DIAMOND EDGE Axe Wedge Used in All of Our Handled Axes.

MICHIGAN PATTERN (AXE No. DE875)

Cut Shows Handle Broken Open to Show the Two Round Slivers Cut by Wedge.

Kind of Handle	Weights, Assorted	3/4	3½/4½	4/5	4½/5½
No. DE875AA —With No. AA Norleigh Diamond Octagon	Per Dozen	$41 50	$42 50	$43 50	$44 50
No. DE875XAA —With No. XAA Norleigh Diamond Octagon	"	42 50	43 50	44 50	45 50
No. DE875BB —With No. BB Norleigh Diamond Oval	"	41 50	42 50	43.50	44.50
No. DE875CC —With No. CC Favorite Octagon	"	41 00	42 00	43 00	44 00
No. DE875DD —With No. DD Favorite Oval	"	41 00	42 00	43 00	44 00
No. DE875EE —With No. EE Tip Top Octagon	"	40 00	41 00	42 00	43 00
No. DE875FF —With No. FF Tip Top Oval	"	40 00	41 00	42 00	43 00
No. DE875LL —With No. LL Mound City Oval	"	38 50	39 50	40 50	41 50
No. DE875LLO —With No. LLO Mound City Octagon	"	38 50	39 50	40 50	41 50
No. DE875LOD —With No. LOD Live Oak Oval Oak	"	40 00	41 00	42 00	43.00

One Dozen of Each Assortment of Weights in a Crate; Average Weight per Crate 75 lbs.



DOUBLE BIT AXES

★ *DIAMOND EDGE*

DIAMOND EDGE Axes are Recognized as Being the Best Made. They are **Hand Tempered** by an Improved Process. Every Axe **Carefully Tested** Before Leaving the Factory. This Practically Prevents Axes with Flaws. Soft Cutting Edges Reaching the Limit of Safe Brittleness Insure Keenness of Temper, without which an Axe will not Hold a Fine Sharp Cutting Edge.

Highest Grade **Crucible Steel Bit,** Carefully Tempered and Ground. Soft Steel Eyes are Punched from Sound Steel and will not Stretch nor Break, as Occurs with Axes Having a Rolled or Welded Eye. The **Eye is Tapered** from the Outer to the Inner Opening; this Holds the Handle Firmly and Prevents its Splitting.

In Ordering Axes on this Page, Give Numbers and Weights Only

Cut Shows Handle Broken Open to Show the Two Round Silvers Cut by Wedge.

UNHANDLED

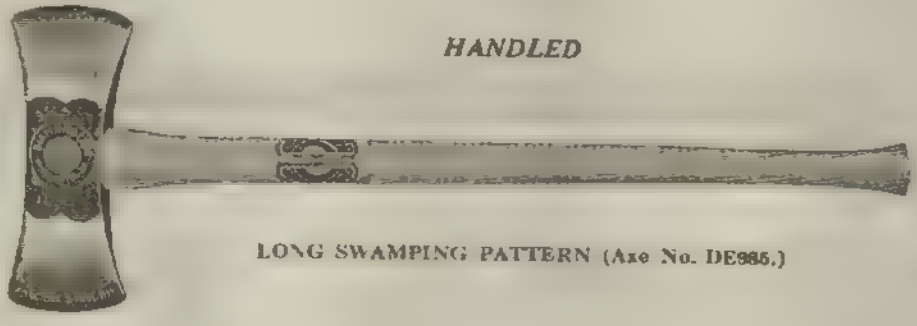
No. DE985 LONG SWAMPING PATTERN; Cast Bronzed Body Labeled, Polished Narrow Bits.

Weights, Assorted	3/4	3½/4½
Per Dozen	$32.00	33 00

One Dozen of Each Assortment of Weights in a Box; Average Weight per Box 55 lbs.

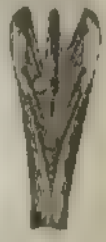
DIAMOND EDGE Axe Wedge Used in all Our Handled Axes.

HANDLED



LONG SWAMPING PATTERN (Axe No. DE985.)

Cut Shows Wedge Driven in Handle and Handle Pulled Open to Show Binding Effect Produced by Action of the Wedge



Kind of Handle	Weights, Assorted	3/4	3½/4½
No. DE985AA —With No. AA Norleigh Diamond Octagon	Per Dozen	$41 50	42 50
No. DE985XAA —With No. XAA Norleigh Diamond Octagon	"	42 50	43 50
No. DE985BB —With No. BB Norleigh Diamond Oval	"	41 50	42 50
No. DE985CC —With No. CC Favorite Octagon	"	41 00	42 00
No. DE985DD —With No. DD Favorite Oval	"	41 00	42 00
No. DE985EE —With No. EE Tip Top Octagon	"	40 00	41 00
No. DE985FF —With No. FF Tip Top Oval	"	40 00	41 00
No. DE985LL —With No. LL Mound City Oval	"	38.50	39 50
No. DE985LLO —With No. LLO Mound City Octagon	"	38 50	39.50
No. DE985LOD—With No. LOD Live Oak Oval, Oak	"	40.00	41.00

One Dozen of Each Assortment of Weights in a Crate; Average Weight per Crate 75 lbs.

YOU CAN'T DO BETTER

"SHOPPING AROUND" IS NOT A GOOD PRACTICE FOR A HARDWARE DEALER. THE BEST WAY, BY ALL ODDS IS TO SELECT SOME GOOD LINE AND STICK TO IT. THERE IS NO DOUBT ABOUT

DIAMOND EDGE GOODS BEING ALL THAT IS CLAIMED FOR THEM

THEIR RECORD IS ESTABLISHED AND IN THIS WAY THEY ARE A HELP TO EVERY DEALER WHO SELLS THEM.

OUR MAIL ORDER SYSTEM IS UNSURPASSED

DOUBLE BIT AXES

★DIAMOND EDGE

TRADE MARK RED STEER IN THE U. S. PAT. OFFICE

Hand Made; Black Forge Finish; Etched

DIAMOND EDGE Axes are Recognized as Being the Best Made. They are **Hand Tempered** by an Improved Process. Every Axe **Carefully Tested** Before Leaving the Factory. This Practically Prevents Axes with Flaws or Soft Cutting Edges Reaching the User. It also Insures Uniformity of Temper, without which an Axe will not Hold a Fine Sharp Cutting Edge.

Highest Grade **Crucible Steel Bit,** Carefully Tempered and Ground; Soft Steel Body. **The Eyes are Punched** from Solid Steel and will not Stretch nor Break, as Occurs with Axes Having a Rolled or Welded Eye. **The Eye is Tapered** from the Outer to the Inner Opening; this Holds the Handle Firmly and Prevents its Splitting.

In Ordering Axes on this Page, Give Numbers and Weights Only

UNHANDLED

No. DEH850—WESTERN PATTERN

	Wide Bits			
Weights, Assorted	3 4	3½ 4½	4/5	4½ 5½
Per Dozen	$34.00	35 00	36.00	37 00

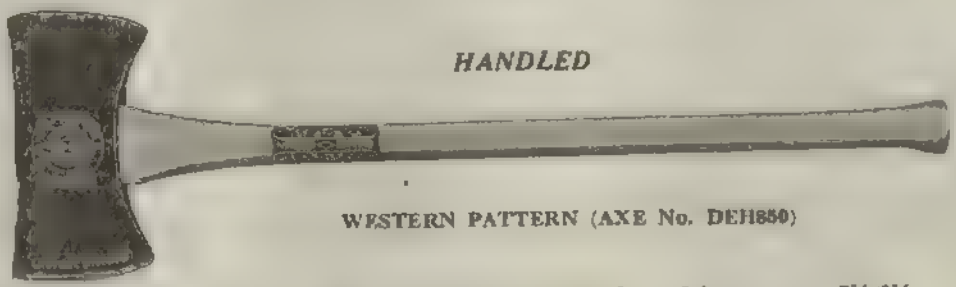
No. DEH875—MICHIGAN PATTERN

	Wide Bits—Narrow Body		
Weights, Assorted	3 4	3½ 4½	4/5
Per Dozen.....	$34 00	35 00	36.00

One Dozen of Each Assortment of Weights in a Box; Average Weight per Box 55 lbs.

DIAMOND EDGE Axe Wedge Used in All of Our Handled Axes.

HANDLED



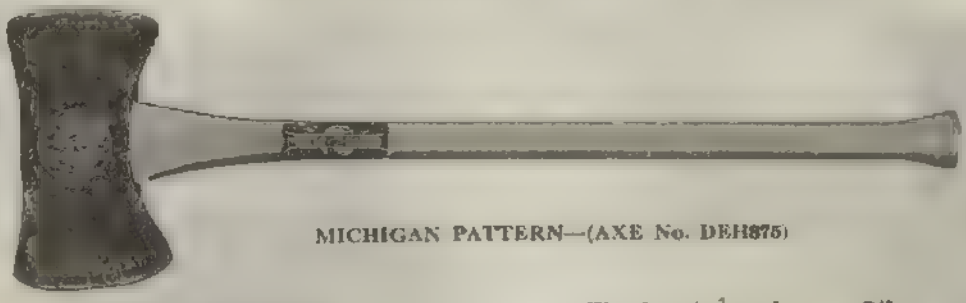
WESTERN PATTERN (AXE No. DEH850)

Cut Shows Wedge Driven in Handle and Handle Pulled Open to Show Binding Effect Produced by Action of the Wedge

Kind of Handle	Weights, Assorted	3/4	3½/4½	4/5	4½/5½
No DEH850AA —With No. AA Norleigh Diamond Octagon...	Per Dozen	$43.50	$44.50	$45.50	$46.50
No. DEH850XAA—With No. XAA Norleigh Diamond Octagon	"	44.50	45.50	46 50	47.50
No. DEH850BB —With No. BB Norleigh Diamond Oval	"	43.50	44 50	45.50	46.50
No. DEH850CC —With No. CC Favorite Octagon...	"	43.00	44 00	45 00	46.00
No. DEH850DD —With No. DD Favorite Oval.....	"	43 00	44.00	45.00	46.00
No. DEH850EE —With No. EE Top Top Octagon.....	"	42 00	43 00	44 00	45 00
No. DEH850FF —With No. FF Top Top Oval.....	"	42 00	43 00	44 00	45.00
No. DEH850LL —With No. LL Moon Eye Oval.....	"	40 50	41 50	42 50	43.50
No. DEH850LLO —With No. LLO Moon Eye Octagon.....	"	40 50	41.50	42 50	43.50
No. DEH850LOD—With No. LOD Live Oak Oval, Oak.....	"	42 00	43.00	44.00	45.00

One Dozen of Each Assortment of Weights in a Crate; Average Weight per Crate 75 lbs.

DIAMOND EDGE Axe Wedge Used in All of Our Handled Axes.



MICHIGAN PATTERN—(AXE No. DEH875)

Cut Shows Handle Broken Open to Show the Two Round Slivers Cut by Wedge

Kind of Handle	Weights, Assorted	3/4	3½/4½	4/5
No. DEH875AA —With No. AA Norleigh Diamond Octagon	Per Dozen	$43 50	$44 50	$45 50
No. DEH875XAA—With No. XAA Norleigh Diamond Octagon	"	44 50	45 50	46 50
No. DEH875BB —With No. BB Norleigh Diamond Oval	"	43 50	44 50	45 50
No. DEH875CC —With No. CC Favorite Octagon	"	43 00	44 00	45 00
No. DEH875DD —With No. DD Favorite Oval	"	43 00	44 00	45 00
No. DEH875EE —With No. EE Top Top Octagon	"	42 00	43 00	44 00
No. DEH875FF —With No. FF Top Top Oval	"	42 00	43 00	44 00
No. DEH875LL —With No. LL Moon Eye Oval	"	40 50	41 50	42 50
No. DEH875LLO —With No. LLO Moon Eye Octagon	"	40 50	41 50	42 50
No. DEH875LOD—With No. LOD Live Oak Oval, Oak	"	42 00	43 00	44.00

One Dozen of Each Assortment of Weights in a Crate; Average Weight per Crate 75 lbs.

DOUBLE BIT AXES

★*DIAMOND EDGE*

Black Gun Metal Finish; Labeled

DIAMOND EDGE **Axes are Recognized as Being the Best Made. They are Hand Tempered by an Improved Process. Every Axe Carefully Tested before Leaving the Factory. This Practically Prevents Axes with Flaws or Soft Cutting Edges Reaching the User. It also Insures Uniformity of Temper, without which an Axe will Not Hold a Fine, Sharp Cutting Edge.**

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In Ordering Axes on this Page

Give Numbers and Weights Only

UNHANDLED

No. DEB850—WESTERN PATTERN

Weights, Assorted	3 4	3½ 4½	4 5	4½ 5½
Per Dozen	$32 00	33 00	34 00	35 00

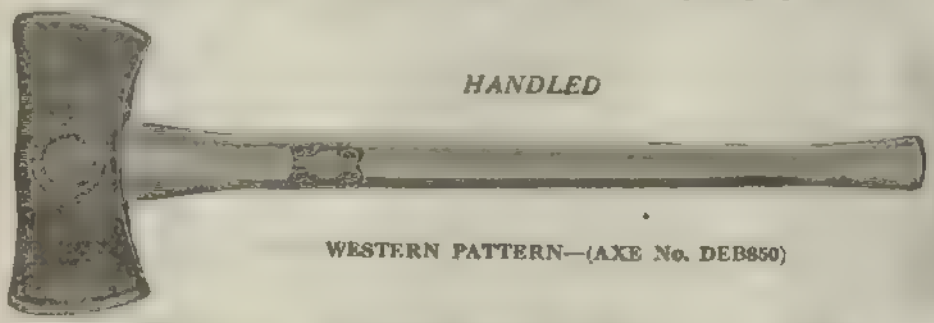
DEB875—MICHIGAN PATTERN

Weights, Assorted	3 4	3½ 4½	4 5	4½ 5½
Per Dozen	$32 00	33 00	34 00	35 00

One Dozen of Each Assortment of Weights in a Box; Average Weight per Box 55 lbs.

DIAMOND EDGE **Axe Wedge Used in All of our Handled Axes.**

HANDLED



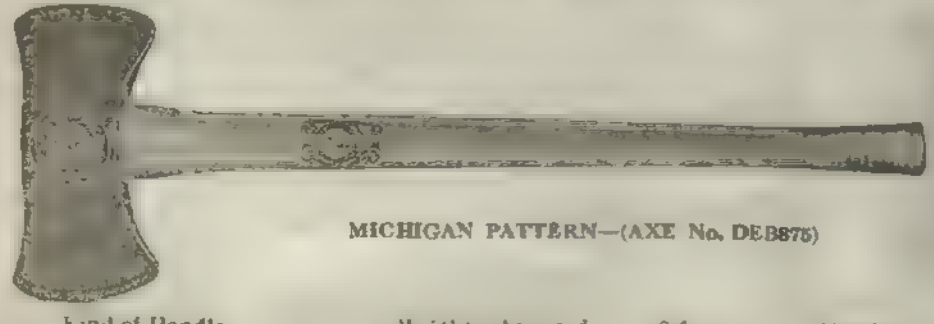
WESTERN PATTERN—(AXE No. DEB850)

Cut Shows Wedge Driven in Handle and Handle Pulled Open to Show Binding Effect Produced by Action of the Wedge.

Kind of Handle	Weights, Assorted	3 4	3½ 4½	4/5	4½ 5½
No. DEB850AA —With No. AA Straight Diamond Octagon Per Dozen		$41 50	$42 50	$43 50	$44 50
No. DEB850XAA—With No. XAA Straight Diamond Octagon "		42 50	43 50	44 50	45.50
No. DEB850BB —With No. BB Straight Diamond Oval "		41 50	42 50	43.50	44 50
No. DEB850CC —With No. CC Favorite Octagon "		41 00	42 00	43 00	44 00
No. DEB850DD —With No. DD Favorite Oval "		41 00	42 00	43 00	44 00
No. DEB850EE —With No. EE Hip Top Octagon "		40.00	41 00	42 00	43 00
No. DEB850FF —With No. FF Hip Top Oval "		40 00	41 00	42 00	43 00
No. DEB850LL —With No. LL Mound City Oval "		38 50	39 50	40 50	41 50
No. DEB850LLO—With No. LLO Mound City Octagon "		38 50	39 50	40 50	41 50
No. DLB850LOD—With No. LOD Live Oak Oval, Oak "		40.00	41.00	42.00	43.00

One Dozen of Each Assortment of Weights in a Crate. Average Weight per Crate 75 lbs.

DIAMOND EDGE **Axe Wedge Used in All of our Handled Axes.**



MICHIGAN PATTERN—(AXE No. DEB875)

Cut Shows Handle Broken Open to Show the Two Round Slivers Cut by Wedge.

Kind of Handle	Weights, Assorted	3 4	3½ 4½	4/5	4½ 5½
No. DEB875AA —With No. AA Straight Diamond Octagon Per Dozen		$41.50	$42 50	$43 50	$44 50
No. DEB875XAA—With No. XAA Straight Diamond Octagon "		42 50	43 50	44 50	45 50
No. DEB875BB —With No. BB Straight Diamond Oval "		41 50	42 50	43.50	44 50
No. DEB875CC —With No. CC Favorite Octagon "		41.00	42 00	43.00	44 00
No. DEB875DD —With No. DD Favorite Oval "		41 00	42 00	43 00	44 00
No. DEB875EE —With No. EE Hip Top Octagon "		40.00	41 00	42.00	43 00
No. DEB875LL —With No. LL Mound City Oval "		38 50	39 50	40.50	41 50
No. DEB875LLO—With No. LLO Mound City Octagon "		38 50	39 50	40.50	41.50
No. DLB875LOD—With No. LOD Live Oak Oval, Oak "		40.00	41 00	42 00	43 00

One Dozen of Each Assortment of Weights in a Crate; Average Weight of Crate, 75 lbs.

DOUBLE BIT AXES

*DIAMOND EDGE

TRADE MARK REGISTERED IN THE U.S. PAT. OFFICE

Black Gun Metal Finish; Labeled

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In Ordering Axes on this Page Give Numbers and Weights Only

UNHANDLED

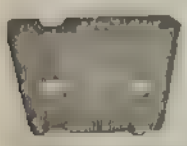
No. DEB952 CALIFORNIA, OR PLELING PATTERN

Weights, Assorted.	3/4	3½/4½	4/5
Per Dozen	$32.00	33.00	34.00

No. DEB950—CALIFORNIA REVERSIBLE PATTERN

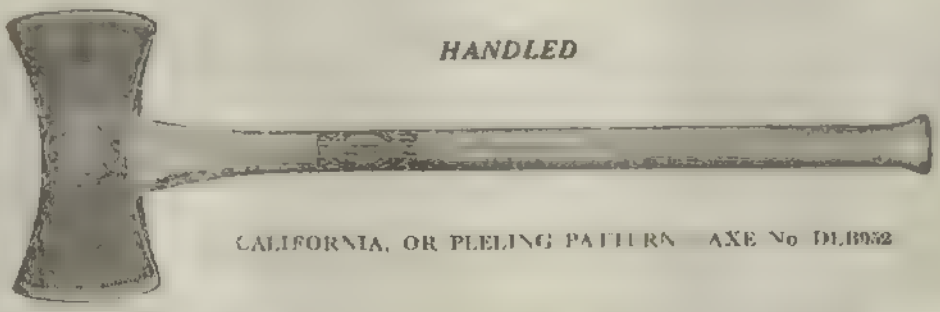
Weights Assorted.....	3/4	3½/4½	4/5
Per Dozen	$32.00	33.00	[illegible]

One Dozen of Each Assortment of Weights in a Box; Average Weight per Box 55 lbs.



DIAMOND EDGE Axe Wedge Used in All of our Handled Axes.

HANDLED



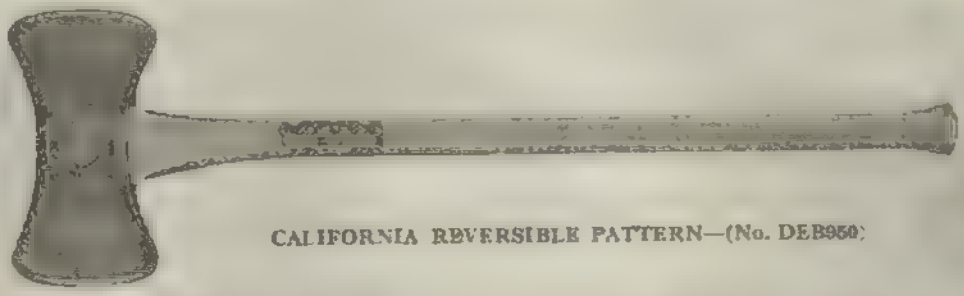
CALIFORNIA, OR PLELING PATTERN AXE No DEB952

Cut Shows Wedge Driven in Handle and Handle Pulled Open to Show Binding Effect Produced by Action of the Wedge

Kind of Handle	Weights, Assorted	3/4	3½/4½	4/5
No. DEB952AA —With No. AA Norleigh Diamond Octagon	Per Dozen	$41 50	42 50	43 50
No. DEB952XAA—With No. XAA Norleigh Diamond Octagon	"	42 50	43 50	44 50
No. DEB952BB —With No. BB Norleigh Diamond Oval	"	41 50	42 50	43 50
No. DEB952CC —With No. CC Long Octagon	"	41 00	42 00	43 00
No. DEB952DD —With No. DD Diamond Oval	"	41 00	42 00	43 00
No. DEB952EE —With No. EE Flip Top Octagon	"	40 00	41 00	42 00
No. DEB952FF —With No. FF Flip Top Oval	"	40 00	41 00	42 00
No. DEB952LL —With No. LL Mound City Oval	"	38 50	39 50	40 50
No. DEB952LLO—With No. LLO Mound City Octagon	"	38 50	39 50	40 50
No. DEB952LOD—With No. LOD Live Oak Oval, Oak	"	40 00	41 00	42 00

One Dozen of Each Assortment of Weights in a Crate; Average Weight per Crate 75 lbs

DIAMOND EDGE Axe Wedge Used in All of our Handled Axes.



CALIFORNIA REVERSIBLE PATTERN—(No. DEB950)

Cut Shows Handle Broken Open to Show the Two Round Slivers Cut by Wedge.

Kind of Handle	Weights, Assorted Per Dozen	3/4	3½/4½	4/5
No. DEB950AA —With No. AA Norleigh Diamond Octagon		$41 50	42 50	43 50
No. DEB950XAA—With No. XAA Norleigh Diamond Octagon		42 50	43 50	44 50
No. DEB950BB —With No. BB Norleigh Diamond Oval		41 50	42 50	43 50
No. DEB950CC —With No. CC Long Octagon		41 00	42 00	43 00
No. DEB950DD —With No. DD Diamond Oval		41 00	42 00	43 00
No. DEB950EE —With No. EE Flip Top Octagon		40 00	41 00	42 00
No. DEB950FF —With No. FF Flip Top Oval		40 00	41 00	42 00
No. DEB950LL —With No. LL Mound City Oval		38 50	39 50	40 00
No. DEB950LLO—With No. LLO Mound City Octagon		38 50	39 50	40 50
No. DEB950LOD—With No. LOD Live Oak Oval, Oak		40 00	41 00	42 00

One Dozen of Each Assortment of Weights in a Crate; Average Weight per Crate 75 lbs.

DOUBLE BIT AXES

*DIAMOND EDGE

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE

Black Gun Metal Finish; Labeled

DIAMOND EDGE Axes are Recognized as Being the Best Made. They are **Hand Tempered** by an Improved Process. Every Axe **Carefully Tested** Before Leaving the Factory. This Practically Prevents Axes with Flaws or Soft Cutting Edges Reaching the User. It also Insures Uniformity of Temper, without which an Axe will Not Hold a Fine, Sharp Cutting Edge.

Highest Grade **Crucible Steel** Bit, Carefully Tempered and Ground. Soft Steel Body. **The Eyes are Punched** from Solid Steel and will not Stretch nor Break, as Occurs with Axes Having a Rolled or Welded Eye. **The Eye is Tapered** from the Outer to the Inner Opening; this Holds the Handle Firmly and Prevents its Splitting.

In Ordering Axes on this Page Give Numbers and Weights Only

UNHANDLED

No. DEB985—LONG, SWAMPING PATTERN

Weights, Assorted	3/4	3 1/2 4 1/2	4/5
Per Dozen	$32 00	33 00	34 00

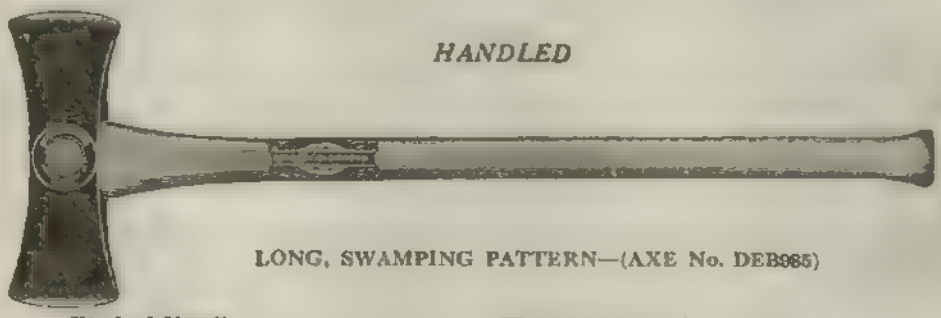
No. DEB987—SWAMPING PATTERN

Weights Assorted	3/4	3 1/2/4 1/2	4/5
Per Dozen	$32 00	33.00	34.00

One Dozen of Each Assortment of Weights in a Box. Average Weight per Box 55 lbs.

DIAMOND EDGE Axe Wedge Used in All of our Handled Axes.

HANDLED



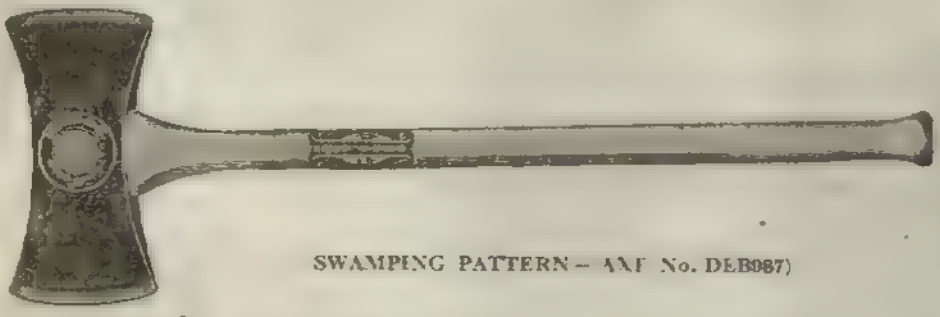
LONG, SWAMPING PATTERN—(AXE No. DEB985)

Cut Shows Wedge Driven in Handle and Handle Pulled Open to Show Binding Effect Produced by Action of the Wedge.

Kind of Handle	Weights, Assorted	3/4	3 1/2/4 1/2	4/5
No. DEB985AA —With No. AA Norleigh Diamond Octagon	Per Dozen	$41 50	$42 50	$43 50
No. DEB985AAA—With No. AAA Norleigh Diamond Octagon	"	42 50	43 50	44 50
No. DEB985BB —With No. BB Norleigh Diamond Oval	"	41 50	42 50	43 50
No. DEB985CC —With No. CC Favorite Octagon	"	41 00	42 00	43 00
No. DEB985DD —With No. DD Favorite Oval	"	41 00	42 00	43 00
No. DEB985EE —With No. EE Tip Top Octagon	"	40 00	41 00	42 00
No. DEB985FF —With No. FF Tip Top Oval	"	40 00	41 00	42 00
No. DEB985LL —With No. LL Maynard's Oval	"	38 50	39 50	40 50
No. DEB985LLO—With No. LLO Maynard's Octagon	"	38 50	39 50	40 50
No. DEB985LOD—With No. LOD Live Oak Oval, Oak	"	40 00	41 00	42 00

One Dozen of Each Assortment of Weights in a Crate; Average Weight per Crate 75 lbs.

DIAMOND EDGE Axe Wedge Used in All of Our Handled Axes



SWAMPING PATTERN—AXE No. DEB987)

Cut Shows Handle Broken Open to Show the Two Round Slivers Cut by Wedge.

Kind of Handle	Weights, Assorted	3/4	3 1/2/4 1/2	4/5
No. DEB987AA —With No. AA Norleigh Diamond Octagon	Per Dozen	$41 50	$42 50	$43 50
No. DEB987AAA—With No. AAA Norleigh Diamond Octagon	"	42 50	43 50	44 50
No. DEB987BB —With No. BB Norleigh Diamond Oval	"	41 50	42 50	43 50
No. DEB987CC —With No. CC Favorite Octagon	"	41 00	42 00	43 00
No. DEB987DD —With No. DD Favorite Oval	"	41 00	42 00	43 00
No. DEB987EE —With No. EE Tip Top Octagon	"	40 00	41 00	42 00
No. DEB987FF —With No. FF Tip Top Oval	"	40 00	41 00	42 00
No. DEB987LL —With No. LL Maynard's Oval	"	38 50	39 50	40 50
No. DEB987LLO—With No. LLO Maynard's Octagon	"	38 50	39 50	40 50
No. DEB987LOD—With No. LOD Live Oak Oval, Oak	"	40 00	41 00	42 00

One Dozen of Each Assortment of Weights in a Crate; Average Weight per Crate 75 lbs.

Supreme Quality Fibre—Suitable for the Finest Homes

When comparing prices special emphasis should be placed in the fact that this line of Supreme Quality Fibre is an altogether different product than the low grade commercial quality fibre advertised with a price appeal only.

No. F413UB/31

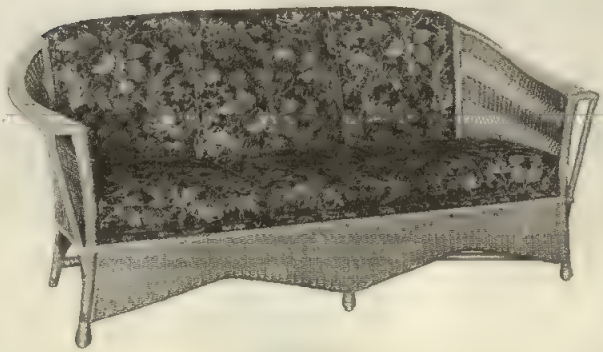
Shipped from Southern Wisconsin Factory.

Prices are for brown finish. We can supply any color or finish desired at slight additional cost. Dimensions: Seat, 21 in. wide, 21 in. deep; backs, from seat up, 21 in.

No. F412UB/31

Marshall Spring Filled Cushions over Spring Construction. Upholstered Backs

When Ordering If Any Special Tone of Color Is Desired in the Upholstering, Please State What Is Wanted.



Supreme Quality Fibre can be supplied in any of the following colors at slight additional cost:

Frosted brown
Gold and blue
Gold and green
Antique copper
Silver and blue
Silver and black
Old ivory
Plain ivory
Ivory and green
Ivory and blue
Ivory and pink
Ivory and black
Frosted gray
Plain gray
Frosted navy blue
Plain navy blue
Plain military darb
Plain putty gray

No. F413SUB6/31
Extreme length, 79 inches
Seat, 67 inches wide, 24 inches deep Back, from seat up, 22 inches

No. F413SUB4/31
Same style as above settee
Extreme length, 51 inches.

Prices quoted are for single pieces or complete suites in different grades of upholstering Always specify grade and material wanted when ordering

			Cretonne Grade D	Tapestry Grade F	Velour Grade G	Mohair Grade L
No F413UB /31	Chair	Brown fibre	$ 53.00	$ 56.20	$ 59.00	$ 76.00
No F412UB /31	Rocker	Brown fibre	54.00	57.20	60.00	78.00
No F413SUB6/31	Settee, 6 ft.	Brown fibre	131.20	140.00	150.50	204.00
No. F413SUB4/31	Settee, 4 ft.	Brown fibre	96.00	100.50	106.00	136.00

High Quality Fibre Pieces for Home Comfort

These pieces are regularly made in a rich brown finish. They are also made in the popular ivory finish, other attractive colors, color combinations and finishes at slight additional cost.

A Chair and Foot-Rest designed to give the utmost in comfort. It is in reality a divided chaise lounge. The Chair has an upholstered high back 22½ inches and a loose cushion over nine hand-tied springs. Seat is 20 inches wide and 20½ inches deep. Moderately flaring arms. Beautiful fibre work.

No	F400UBC/34	Chair. Cretonne	$49.50
No	F400UBF/34	Chair. Tapestry	58.00
No	F400UBG/34	Chair. Velour	61.00

Foot Rest

Has a large loose cushion over fibre seat. Top is 26x24 inches; 18 inches high

No	F401UBC/34	Cretonne	$27.60
No.	F401UBF/34	Tapestry	30.80
No	F401UBG/34	Velour	32.40

An excellent Round Table with chairs to match. Well made of the best fibre. Especially adapted for the summer home or home interior. Both chairs and table are very rigid and strong.

No. F331/34	Chairs, per set of 4	$65.00
No. F328/34	Table	48.00

Table is 42x42 in., oak top; 30 in. high.
Chair seat, 17x17 in.

No. F331 CHAIR

No. F328 ROUND TABLE

An attractive home article cleverly and substantially made. Woven in fibre with a lower shelf. Smooth shapely legs fibre wound. Top cover lifts flush when closed. Cretonne lined. Height, 30 in., top 11x17 in., depth, " in.
No F427/34 ..... $26.00

A very desirable magazine rack with a newspaper pocket on the end. Attractive fibre open work used as fillers for the end. Two shelves 11 x 38 in. high, 27 in. long and 14 in. wide. Basket pocket 4½ by 8½ deep
No F331/34 Magazine Rack $27.00

A comfortable Sewing Rocker with a side drawer which closes in under seat. The back has two pliable open work panels and the seat is a loose pad cushion over the fibre seat. The back from seat up is 21 inches

No. 284UC/34	Cretonne	$24.40
No. 284UF/34	Tapestry	27.00

Unless other finishes are ordered, the popular rich brown finish will be sent.

Guaranteed Fibre Articles for the Porch

The pieces shown here are made of the highest grade fibre and workmanship. The finish is brown. Other colors, color combinations and finishes may be had at a slight additional cost. Shipped from Southern Wisconsin.

No. F2358 Settee

This style of fibre furniture has proved exceptionally popular. Adapted for the open porch. Not affected by weather. The addition of Chair and Rocker have large seats. Backs 32 in. high.

No. F234/35 Rocker **$22.50**

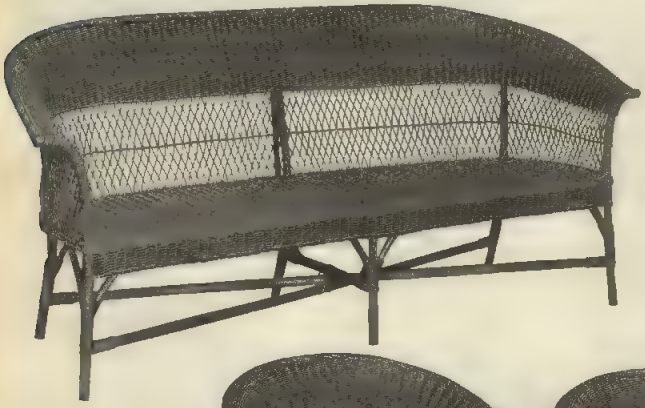
No. F235/35 Chair to match. Price **$21.50**

Settee is 50 in. long. Seat 18 in. wide, 18 in. deep.

No. F2358/35 Settee .. **$39.80**

Quotations of this Set with seats upholstered may be had upon request.

No. F234 Rocker



HIGH QUALITY FIBRE SETTEE

To meet the demand for a large comfortable and extra well made set we offer this new combination. Extreme length, 77 in.; seat, 68 in. wide, 20 in. deep. Back from seat up, 20 in.

No F61380/35 Brown...**$55.80**

Can supply in fancy finishes at from **$4.80** to **$5.40** extra.

CHAIR AND ROCKER
To Match Above

Seats 18 in. wide, 18 in. deep. Backs, from seat up, 19½ in.

Chair

No F613/35 Brown....**$17.30**

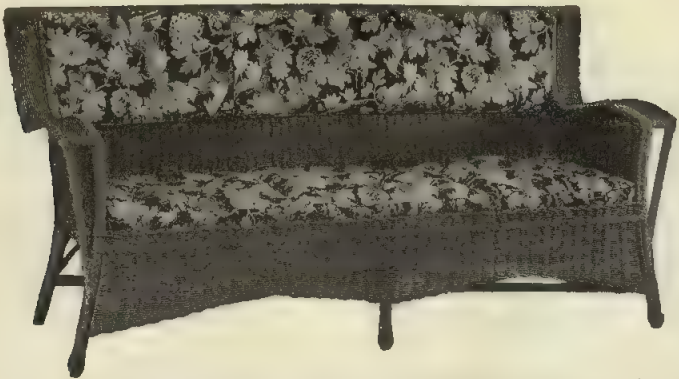
Rocker

No F612/35 Brown. ..**$18.00**

Fancy finishes $2.20 to $4.00 extra.

Fibre Furniture of Exceptional Quality

The articles shown below and on the succeeding five pages are of the finest material and construction obtainable. They are guaranteed in every respect—particularly as to superior workmanship, design and materials used. These are made regularly in the rich brown finish, but other colors, color combinations and finishes may be had at slight additional cost.



An exceptionally fine Settee designed to give the best in comfort and style. It is made of the highest grade of finely woven fibre. It is upholstered with the best cretonnes, tapestries or velours. It is fitted with loose cushions filled with 27 hand-tied springs and an extra stored pad back. The extreme length is 78 inches, the seat is 39 inches long, 22 inches deep and the back is 23 inches high from the seat up. It has wide comfortable arms, well braced. All legs and the back are rigidly made to make this an especially strong piece. Chairs and Rocker may be had to match as shown below

No. **F565-SUBC/30** Cretonne..... $112.00
No. **F565-SUBF/30** Tapestry..... $132.60
No. **F565-SUBG/30** Velour..... $134.00

A very pleasing design in high quality fibre exceptionally well made. It has a quartered oak top 28x48 inches, and drawer 16½x16½x3 inches deep.

No. **F379/30**..... $75.80

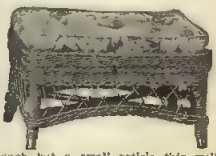
This attractive Rocker matches perfectly the Settee illustrated above. It has the same substantial construction throughout with a loose removable cushion containing nine hand-tied springs.

No **F564-UBC/30** Cretonne..... $46.00
No **F564-UBF/30** Tapestry..... 59.00
No **F564-UBG/30** Velour..... 56.00

Chair at same price if desired.

A handsome Day Bed with long apron. Fitted with loose box springs cushion containing 28 hand-tied springs with spring edge. Extreme length 84 inches, 31 inches wide. Includes roll cushion, 8 inches diameter, and pillow, 14 inches wide and 28 inches long.

No. **F408-BUC/30** Cretonne..... $156.00
No **F408-BUF/30** Tapestry..... $170.00
No. **F408-BUG/30** Velour..... $184.00



Although but a small article this well constructed Ottoman will add greatly to the comfort of the easy chair. It has a loose cushion fitted over denim. The top is 12½x20 inches.

No **F463-UC/30** Cretonne..... $18.00
No **F463-UF/30** Tapestry..... 20.50
No. **F463-UG/30** Velour..... 22.00

Read Special Note About This Quality Fibre in Front of Catalogue.

Supreme Quality Fibre Chairs and Rockers

No. F637UB

This quality is the best value on the market when service and appearance are considered. All pieces shown have Marshall Spring Filled Cushions over spring construction. Upholstered backs.

New and attractive fibre pieces of finest quality. Note the dimensions: Seats—19½ in. wide, 18½ in. deep. Backs, from seat up—23 in.

Prices are for brown finish. Fancy finishes at slight additional cost.

Chair

No.	F637UBC/32	Cretonne . .	$40.00
No	F637UBF/32	Tapestry . . .	44.50
No	F637UBG/32	Velour . . .	46.50

Rocker

No.	F636UBC/32	Cretonne . .	$41.00
No.	F636UBF/32	Tapestry	45.50
No.	F636UBG/32	Velour	47.50

No. F636UB

Prices of Rocker are quoted under Chair.

No. F404UB Chaise Lounge

The Chaise Lounges are designed to give the utmost in comfort. They are well shaped and substantially constructed. Finest fibre and upholstering used throughout. Each has a loose cushion over a slat seat with denim over the seat. The back is upholstered The above lounge is 62 in. long and the back 25 in. high.

No.	F404UBC/32	Cretonne	$ 88.00
No.	F404UBF/32	Tapestry	98.00
No.	F404UBG/32	Velour	102.00

No. F641UB

Shipped from Southern Wisconsin Factory

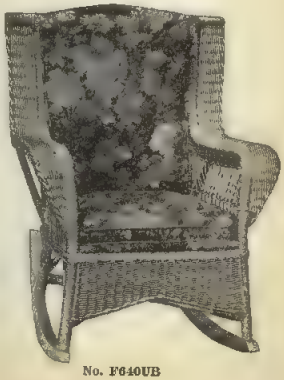
Seats—19½ in. wide, 18½ in. deep
Backs, from seat up—23 in.

Chair

No.	F641UBC/32	Cretonne . . .	$40.80
No.	F641UBF/32	Tapestry . . .	46.50
No.	F641UBG/32	Velour	49.50

Rocker

No.	F640UBC/32	Cretonne . . .	$41.80
No	F640UBF/32	Tapestry . . .	47.50
No.	F640UBG/32	Velour	50.50



No. F640UB

High Grade Fibre Porch Furniture

No. F627UB

These pieces are made with the one thought to provide comfort. Each piece is of comfortable dimensions and exceptionally well made. Quality and satisfaction are guaranteed. Only the best grades of upholstering are used. Made in the brown finish. Other finishes and color combinations at a slight additional cost.

Shipped from Southern Wisconsin factory.

Here is something very new in fibre and is sure to prove a big seller. Seat cushions are floss filled and removable Spring construction.

Seats, 18x19 in.
Backs, from seat up, 24 in.

No. F627SUB
Extreme length 42 in
Seat—38 in. wide, 20 in. deep. Back, from seat up—24 in.

PRICES OF SUITE, AS SHOWN

Chair

No.	F627UBC/33	Cretonne	$28.50
No.	F627UBF/33	Tapestry	32.00
No.	F627UBG/33	Velour	34.00

Rocker

No.	F626UBC/33	Cretonne	$29.50
No.	F626UBF/33	Tapestry	33.00
No.	F626UBG/33	Velour	35.00

Settee

No.	F627SUBC/33	Cretonne	$42.00
No.	F627SUBF/33	Tapestry	53.00
No.	F627SUBG/33	Velour	57.00

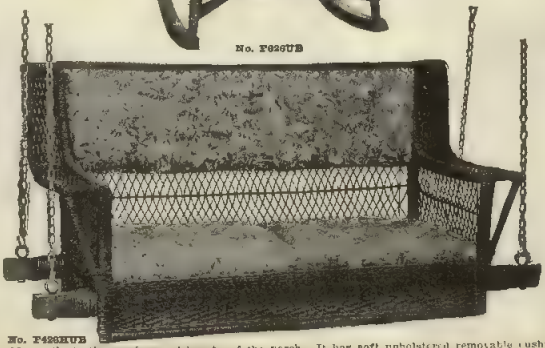
Above prices are brown finish. Fancy finishes can be supplied if desired.

No. F626UB

PORCH SWINGS

The vogue of enclosed porches and sun parlors have made a larger demand for the better grade swings. We have therefor discontinued the cheaper outdoor grades which at best were only suitable for one or two seasons' wear. The Swing shown below is of the same high quality as our Supreme Fibre Furniture.

A Very High Quality Article in Every Way.



No. F426HUB

Made in—
4 ft. length
5 ft. length
6 ft. length
Either Plain or Upholstered.

This Porch Swing will add greatly to the comfort & beauty of the porch. It has soft upholstered removable cushion seats over springs and a tufted upholstered back. The arms are wide and comfortable. The frame is rigidly made and covered with the highest grade of fibre. Guaranteed in every respect. It is made regularly in 5 ft. length.

		4 ft.	5 ft.	6 ft.			4 ft.	5 ft.
No.	F426HUBC/33 Cretonne	$79.00	$90.00	$106.00	No. F426HUBG/33 Velour		$82.00	$106.00
No.	F426HUBE/33 Tapestry, E Grade	86.00	98.00	112.00		4 ft.	5 ft.	6 ft.
No.	F426H/33 Above Swing without upholstering, but with fibre back and seat					$61.00	$66.00	$74.00

Fibre Home Necessities of High Quality

These articles are in the brown finish, but other colors, such as ivory, blue and gold, and other finishes may be had at slight additional cost. Write us regarding these.

The closely woven body of this fibre Tea Wagon makes this a very attractive and pleasing article in the home. It is very well made throughout. In it is included a bordered tray with a glass bottom. The wagon is 30 inches high and 17 inches wide. Its length over all is 35 inches. High quality throughout.

No. **F342/36** Tea wagon **$57.90**

A beautiful combination for the home. Included with the Fernery are the glass fish globe (12 inches diameter), two galvanized iron fern pans and artcraft drop bottom bird cage. Extreme height 74 inches, length, 43 inches, and 14½ inches wide.

No. **F526-F526/36** Fernery complete **$101.00**
No. **F526/36** Cage only **26.00**
No. **F525/36** Fernery complete without cage **77.00**

This is a striking design very greatly appreciated in the home. Made of smooth fibre and very strong. It is 72 inches high, 37 inches long and 11 inches wide. A galvanized iron pan is included. A finely constructed complete bird cage is included.

No. **F527-F568/36** Fernery complete **$68.00**
No. **F527/36** Fernery without cage **44.00**
No. **F526/36** Cage only **25.50**

A very neat handled Fern Stand. Equipped with a galvanized iron pan. The extreme height is 33 inches. It is 37 inches long and 11 inches wide. The inside measurements are 8½x35 inches.

No. **F539/36** Fern stand **$22.00**

The Newest Fibre Suites

Shipped from Michigan Factory. No extra charge for fancy finishes—Frosted Brown or Blue, Old Ivory, Blue and Ebony.

No. 1991 /37 Breakfast Suite, complete as shown, except fruit and basket. (State finish) $320.00
No. 1991A 37 Breakfast Table and four Chairs (State finish)..... 167.00
No. 1991B 37 Tea Wagon .....$49.75 No. 1991C/37 Serving Stand .....$40.00 No. 1991D/37 Serving Table $75.50

The Table has drop leaves, painted top to match fibre finish. **(Always state finish wanted.)**

This Suite was designed for the Annual Chicago Furniture Show The illustration is from a photograph of this exhibit. Regulation finish is old ivory but we can supply on special order, light or dark blue, brown, black or putty grey

No 1806 /37 Complete Suite as shown Eight pieces Imported cretonne ... $590.00
No 1806A 37 Three-piece Suite 60 in settee, chair and rocker Imported cretonne ... 246.50
No 1806E 37 Chair 19x19 seat cushion .....$54.40 No 1806G/37 Rocker to match ... 54.40
No 1806B 37 60 in Settee .. $128.00 No. 1806E 37 Chaise Lounge .. .. $105.00 No 1014 /37 Fern Stand ... 31.00
No 1806D/37 Day Bed 72 in long 117.00 No. 1806G/37 Table Lamp, 18 in. shade 46.00 No 1806H/37 Table, 24x42 in... ... 46.00

Fibre Furniture on this page (also Page 40) is the highest grade of fibre goods made It is shown not as a low priced line, but as the best we can obtain These suites are sold in the most exclusive furniture stores at very high prices. If desired we can quote prices on tapestry or velour coverings.

NOTE—If wanted in different finish than old ivory, state color desired.

Fibre Furniture of Exceptional Quality

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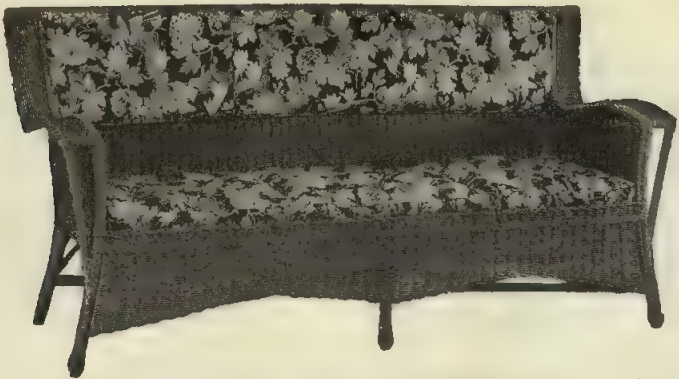


An exceptionally fine Settee designed to give the best in comfort and style. It is made of the highest grade of finely woven fibre. It is upholstered with the best cretonnes, tapestries or velours. It is fitted with loose cushions filled with 27 hand-tied springs and an extra stored pad back. The extreme length is 78 inches, the seat is 39 inches long, 22 inches deep and the back is 23 inches high from the seat up. It has wide comfortable arms, well braced. All legs and the back are rigidly made to make this an especially strong piece. Chairs and Rocker may be had to match as shown below

No. **F565-SUBC/30** Cretonne..... $112.00
No. **F565-SUBF/30** Tapestry..... $132.60
No. **F565-SUBG/30** Velour..... $134.00

A very pleasing design in high quality fibre exceptionally well made. It has a quartered oak top 28x48 inches, and drawer 16½x16½x3 inches deep.

No. **F379/30**..... $75.80

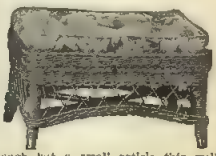
This attractive Rocker matches perfectly the Settee illustrated above. It has the same substantial construction throughout with a loose removable cushion containing nine hand-tied springs.

No **F564-UBC/30** Cretonne..... $46.00
No **F564-UBF/30** Tapestry..... 59.00
No **F564-UBG/30** Velour..... 56.00

Chair at same price if desired.

A handsome Day Bed with long apron. Fitted with loose box springs cushion containing 28 hand-tied springs with spring edge. Extreme length 84 inches, 31 inches wide. Includes roll cushion, 8 inches diameter, and pillow, 14 inches wide and 28 inches long.

No. **F408-BUC/30** Cretonne..... $156.00
No **F408-BUF/30** Tapestry..... $170.00
No. **F408-BUG/30** Velour..... $184.00



Although but a small article this well constructed Ottoman will add greatly to the comfort of the easy chair. It has a loose cushion fitted over denim. The top is 12½x20 inches.

No **F463-UC/30** Cretonne..... $18.00
No **F463-UF/30** Tapestry..... 20.50
No. **F463-UG/30** Velour..... 22.00

Read Special Note About This Quality Fibre in Front of Catalogue.

Supreme Quality Fibre—Suitable for the Finest Homes

When comparing prices special emphasis should be placed in the fact that this line of Supreme Quality Fibre is an altogether different product than the low grade commercial quality fibre advertised with a price appeal only.

No. F413UB/31

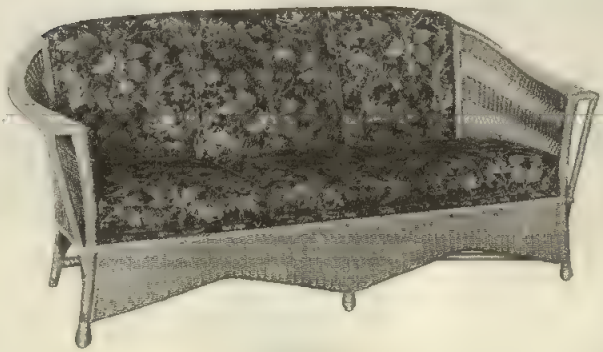
Shipped from Southern Wisconsin Factory.

Prices are for brown finish. We can supply any color or finish desired at slight additional cost. Dimensions: Seat, 21 in. wide, 21 in. deep; backs, from seat up, 21 in.

No. F412UB/31

Marshall Spring Filled Cushions over Spring Construction. Upholstered Backs

When Ordering If Any Special Tone of Color Is Desired in the Upholstering, Please State What Is Wanted.



Supreme Quality Fibre can be supplied in any of the following colors at slight additional cost:

Frosted brown
Gold and blue
Gold and green
Antique copper
Silver and blue
Silver and black
Old ivory
Plain ivory
Ivory and green
Ivory and blue
Ivory and pink
Ivory and black
Frosted gray
Plain gray
Frosted navy blue
Plain navy blue
Plain military darb
Plain putty gray

No. F413SUB6/31
Extreme length, 79 inches
Seat, 67 inches wide, 24 inches deep Back, from seat up, 22 inches

No. F413SUB4/31
Same style as above settee
Extreme length, 51 inches.

Prices quoted are for single pieces or complete suites in different grades of upholstering Always specify grade and material wanted when ordering

			Cretonne Grade D	Tapestry Grade F	Velour Grade G	Mohair Grade L
No F413UB /31	Chair	Brown fibre	$ 53.00	$ 56.20	$ 59.00	$ 76.00
No F412UB /31	Rocker	Brown fibre	54.00	57.20	60.00	78.00
No F413SUB6/31	Settee, 6 ft.	Brown fibre	131.20	140.00	150.50	204.00
No. F413SUB4/31	Settee, 4 ft.	Brown fibre	96.00	100.50	106.00	136.00

Supreme Quality Fibre Chairs and Rockers

No. F637UB

This quality is the best value on the market when service and appearance are considered. All pieces shown have Marshall Spring Filled Cushions over spring construction. Upholstered backs.

New and attractive fibre pieces of finest quality. Note the dimensions: Seats—19½ in. wide, 18½ in. deep. Backs, from seat up—23 in.

Prices are for brown finish. Fancy finishes at slight additional cost.

Chair

No.	F637UBC/32	Cretonne . .	$40.00
No	F637UBF/32	Tapestry . . .	44.50
No	F637UBG/32	Velour . . .	46.50

Rocker

No.	F636UBC/32	Cretonne . .	$41.00
No.	F636UBF/32	Tapestry	45.50
No.	F636UBG/32	Velour	47.50

No. F636UB

Prices of Rocker are quoted under Chair.

No. F404UB Chaise Lounge

The Chaise Lounges are designed to give the utmost in comfort. They are well shaped and substantially constructed. Finest fibre and upholstering used throughout. Each has a loose cushion over a slat seat with denim over the seat. The back is upholstered The above lounge is 62 in. long and the back 25 in. high.

No.	F404UBC/32	Cretonne	$ 88.00
No.	F404UBF/32	Tapestry	98.00
No.	F404UBG/32	Velour	102.00

No. F641UB

Shipped from Southern Wisconsin Factory

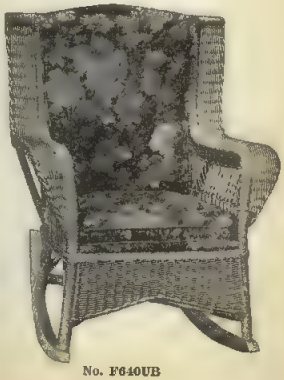
Seats—19½ in. wide, 18½ in. deep
Backs, from seat up—23 in.

Chair

No.	F641UBC/32	Cretonne . . .	$40.80
No.	F641UBF/32	Tapestry . . .	46.50
No.	F641UBG/32	Velour	49.50

Rocker

No.	F640UBC/32	Cretonne . . .	$41.80
No	F640UBF/32	Tapestry . . .	47.50
No.	F640UBG/32	Velour	50.50



No. F640UB

High Grade Fibre Porch Furniture

No. F627UB

These pieces are made with the one thought to provide comfort. Each piece is of comfortable dimensions and exceptionally well made. Quality and satisfaction are guaranteed. Only the best grades of upholstering are used. Made in the brown finish. Other finishes and color combinations at a slight additional cost.

Shipped from Southern Wisconsin factory.

Here is something very new in fibre and is sure to prove a big seller. Seat cushions are floss filled and removable Spring construction.

Seats, 18x19 in.
Backs, from seat up, 24 in.

No. F627SUB
Extreme length 42 in
Seat—38 in. wide, 20 in. deep. Back, from seat up—24 in.

PRICES OF SUITE, AS SHOWN

Chair

No.	F627UBC/33	Cretonne	$28.50
No.	F627UBF/33	Tapestry	32.00
No.	F627UBG/33	Velour	34.00

Rocker

No.	F626UBC/33	Cretonne	$29.50
No.	F626UBF/33	Tapestry	33.00
No.	F626UBG/33	Velour	35.00

Settee

No.	F627SUBC/33	Cretonne	$42.00
No.	F627SUBF/33	Tapestry	53.00
No.	F627SUBG/33	Velour	57.00

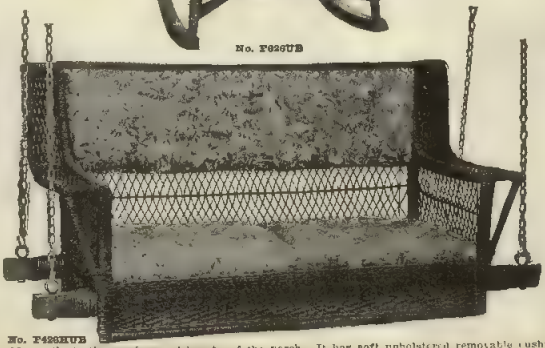
Above prices are brown finish. Fancy finishes can be supplied if desired.

No. F626UB

PORCH SWINGS

The vogue of enclosed porches and sun parlors have made a larger demand for the better grade swings. We have therefor discontinued the cheaper outdoor grades which at best were only suitable for one or two seasons' wear. The Swing shown below is of the same high quality as our Supreme Fibre Furniture.

A Very High Quality Article in Every Way.



No. F426HUB

Made in—
4 ft. length
5 ft. length
6 ft. length
Either Plain or Upholstered.

This Porch Swing will add greatly to the comfort & beauty of the porch. It has soft upholstered removable cushion seats over springs and a tufted upholstered back. The arms are wide and comfortable. The frame is rigidly made and covered with the highest grade of fibre. Guaranteed in every respect. It is made regularly in 5 ft. length.

		4 ft.	5 ft.	6 ft.			4 ft.	5 ft.
No.	F426HUBC/33 Cretonne	$79.00	$90.00	$106.00	No. F426HUBG/33 Velour		$82.00	$106.00
No.	F426HUBE/33 Tapestry, E Grade	86.00	98.00	112.00		4 ft.	5 ft.	6 ft.
No.	F426H/33 Above Swing without upholstering, but with fibre back and seat					$61.00	$66.00	$74.00

High Quality Fibre Pieces for Home Comfort

These pieces are regularly made in a rich brown finish. They are also made in the popular ivory finish, other attractive colors, color combinations and finishes at slight additional cost.

A Chair and Foot-Rest designed to give the utmost in comfort. It is in reality a divided chaise lounge. The Chair has an upholstered high back 22½ inches and a loose cushion over nine hand-tied springs. Seat is 20 inches wide and 20½ inches deep. Moderately flaring arms. Beautiful fibre work.

No	F400UBC/34	Chair. Cretonne	$49.50
No	F400UBF/34	Chair. Tapestry	58.00
No	F400UBG/34	Chair. Velour	61.00

Foot Rest

Has a large loose cushion over fibre seat. Top is 26x24 inches; 18 inches high

No	F401UBC/34	Cretonne	$27.60
No.	F401UBF/34	Tapestry	30.80
No	F401UBG/34	Velour	32.40

An excellent Round Table with chairs to match. Well made of the best fibre. Especially adapted for the summer home or home interior. Both chairs and table are very rigid and strong.

No. F331/34	Chairs, per set of 4	$65.00
No. F328/34	Table	48.00

Table is 42x42 in., oak top; 30 in. high.
Chair seat, 17x17 in.

No. F331 CHAIR

No. F328 ROUND TABLE

An attractive home article cleverly and substantially made. Woven in fibre with a lower shelf. Smooth shapely legs fibre wound. Top cover lifts flush when closed. Cretonne lined. Height, 30 in., top 11x17 in., depth, " in.
No F427/34 ..... $26.00

A very desirable magazine rack with a newspaper pocket on the end. Attractive fibre open work used as fillers for the end. Two shelves 11 x 38 in. high, 27 in. long and 14 in. wide. Basket pocket 4½ by 8½ deep
No F331/34 Magazine Rack $27.00

A comfortable Sewing Rocker with a side drawer which closes in under seat. The back has two pliable open work panels and the seat is a loose pad cushion over the fibre seat. The back from seat up is 21 inches

No. 284UC/34	Cretonne	$24.40
No. 284UF/34	Tapestry	27.00

Unless other finishes are ordered, the popular rich brown finish will be sent.

Guaranteed Fibre Articles for the Porch

The pieces shown here are made of the highest grade fibre and workmanship. The finish is brown. Other colors, color combinations and finishes may be had at a slight additional cost. Shipped from Southern Wisconsin.

No. F2358 Settee

This style of fibre furniture has proved exceptionally popular. Adapted for the open porch. Not affected by weather. The addition of Chair and Rocker have large seats. Backs 32 in. high.

No. F234/35 Rocker **$22.50**

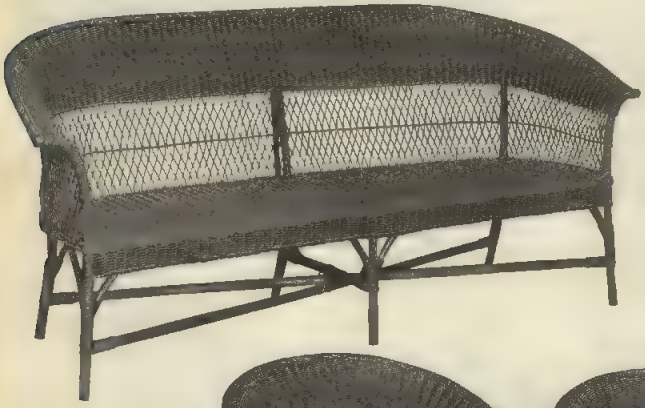
No. F235/35 Chair to match. Price **$21.50**

Settee is 50 in. long. Seat 18 in. wide, 18 in. deep.

No. F2358/35 Settee .. **$39.80**

Quotations of this Set with seats upholstered may be had upon request.

No. F234 Rocker



HIGH QUALITY FIBRE SETTEE

To meet the demand for a large comfortable and extra well made set we offer this new combination. Extreme length, 77 in.; seat, 68 in. wide, 20 in. deep. Back from seat up, 20 in.

No F61380/35 Brown...**$55.80**

Can supply in fancy finishes at from **$4.80** to **$5.40** extra.

CHAIR AND ROCKER
To Match Above

Seats 18 in. wide, 18 in. deep. Backs, from seat up, 19½ in.

Chair

No F613/35 Brown....**$17.30**

Rocker

No F612/35 Brown. ..**$18.00**

Fancy finishes $2.20 to $4.00 extra.

Fibre Home Necessities of High Quality

These articles are in the brown finish, but other colors, such as ivory, blue and gold, and other finishes may be had at slight additional cost. Write us regarding these.

The closely woven body of this fibre Tea Wagon makes this a very attractive and pleasing article in the home. It is very well made throughout. In it is included a bordered tray with a glass bottom. The wagon is 30 inches high and 17 inches wide. Its length over all is 35 inches. High quality throughout.

No. **F342/36** Tea wagon **$57.90**

A beautiful combination for the home. Included with the Fernery are the glass fish globe (12 inches diameter), two galvanized iron fern pans and artcraft drop bottom bird cage. Extreme height 74 inches, length, 43 inches, and 14½ inches wide.

No. **F526-F526/36** Fernery complete **$101.00**
No. **F526/36** Cage only **26.00**
No. **F525/36** Fernery complete without cage **77.00**

This is a striking design very greatly appreciated in the home. Made of smooth fibre and very strong. It is 72 inches high, 37 inches long and 11 inches wide. A galvanized iron pan is included. A finely constructed complete bird cage is included.

No. **F527-F568/36** Fernery complete **$68.00**
No. **F527/36** Fernery without cage **44.00**
No. **F526/36** Cage only **25.50**

A very neat handled Fern Stand. Equipped with a galvanized iron pan. The extreme height is 33 inches. It is 37 inches long and 11 inches wide. The inside measurements are 8½x35 inches.

No. **F539/36** Fern stand **$22.00**

The Newest Fibre Suites

Shipped from Michigan Factory. No extra charge for fancy finishes—Frosted Brown or Blue, Old Ivory, Blue and Ebony.

No. 1991 /37 Breakfast Suite, complete as shown, except fruit and basket. (State finish) $320.00
No. 1991A 37 Breakfast Table and four Chairs (State finish)..... 167.00
No. 1991B 37 Tea Wagon .....$49.75 No. 1991C/37 Serving Stand .....$40.00 No. 1991D/37 Serving Table $75.50

The Table has drop leaves, painted top to match fibre finish. **(Always state finish wanted.)**

This Suite was designed for the Annual Chicago Furniture Show The illustration is from a photograph of this exhibit. Regulation finish is old ivory but we can supply on special order, light or dark blue, brown, black or putty grey

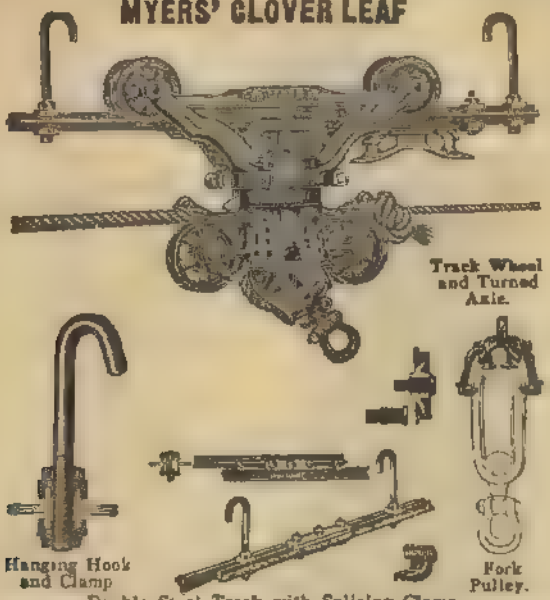
No 1806 /37 Complete Suite as shown Eight pieces Imported cretonne ... $590.00
No 1806A 37 Three-piece Suite 60 in settee, chair and rocker Imported cretonne ... 246.50
No 1806E 37 Chair 19x19 seat cushion .....$54.40 No 1806G/37 Rocker to match ... 54.40
No 1806B 37 60 in Settee .. $128.00 No. 1806E 37 Chaise Lounge .. .. $105.00 No 1014 /37 Fern Stand ... 31.00
No 1806D/37 Day Bed 72 in long 117.00 No. 1806G/37 Table Lamp, 18 in. shade 46.00 No 1806H/37 Table, 24x42 in... ... 46.00

Fibre Furniture on this page (also Page 40) is the highest grade of fibre goods made It is shown not as a low priced line, but as the best we can obtain These suites are sold in the most exclusive furniture stores at very high prices. If desired we can quote prices on tapestry or velour coverings.

NOTE—If wanted in different finish than old ivory, state color desired.

HAY CARRIERS

MYERS' CLOVER LEAF



Double Steel Track with Splicing Clamp.

This combination machine (both swivel and reversible) can be reversed by drawing the rope through from end to end or by turning the swivel.

It is constructed with flanged wheels revolving on ⅝ in. turned steel bearings. The lock is composed of three parts and has no springs. The carrier has a large, flaring mouth to receive the fork pulley. The pulley can swing backward or forward without becoming detached. This swinging fork pulley is a decided advantage when used for filling a mow above beams, as it relieves all side strain from car.

No. N114—Hay Carriers, for double steel track, malleable iron, aluminum finish, ⅞ in. turned steel axles, swivel and reversible, possible force lock, no springs, w't 27 lbs., each $12.75

No. A644—Double Steel Track, with splicing clamps, lengths 6 and 12 ft., w't per foot 2 lbs., per foot $0.35

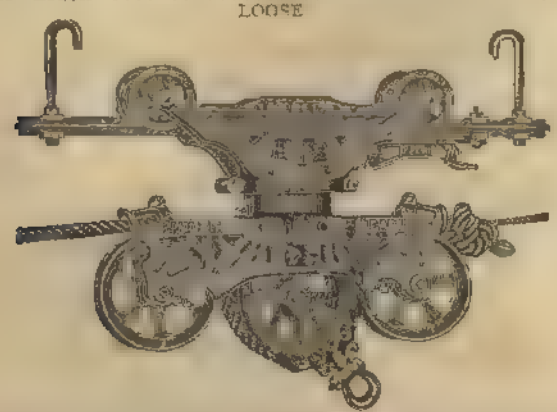
No. 302—Hanging Hooks, 6 in. measured after bending, with clamps w't per doz. 8 lbs. ..... per dozen $2.60

No. 824—Extra Slicing Clamps, w't per doz. 14 lbs., per dozen $3.60

No. 1046—End Stops, for **double** steel track, per dozen $1.90

No. 1085—End Stops, for **single** steel track, per dozen $1.20

LOOSE



No. N124—7 in. sheaves, with 1 7/16 in. steel bearings with groove suitable for carrying wire cable or ⅞ in. Manila or Sisal draft rope, w't 37 lbs., otherwise same as No. 114. each $15.75

LOOSE

HIBBARD

Rafter Bracket.

No 25 Hanging Hook.

Showing No. 20 Track.

No. N4—Hay Carriers, for double angle steel track, malleable iron, painted red with two coats of baking enamel, turned iron bushings, swivel and reversible, open bell, for fork or sling, w't 24 lbs. .....each $10.00

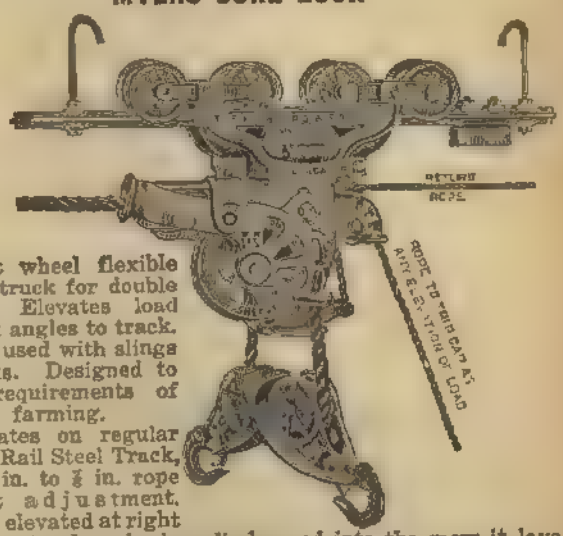
No. A20—Steel track, lengths of 6 and 12 ft., w't per foot 2 lbs. $0.25

No. 25—Hanging hooks, 5½ in., w't per doz. 4½ lbs., per dozen $2 20

No. 45—Rafter brackets, steel, w't per doz. 2½ lbs., per dozen $1.15

LOOSE

MYERS SURE LOCK



Eight wheel flexible engine truck for double track. Elevates load at right angles to track. Can be used with slings or forks. Designed to meet requirements of modern farming.

Operates on regular Double Rail Steel Track, uses ⅝ in. to ¾ in. rope without adjustment. Load is elevated at right angles to track and when discharged into the mow it lays parallel with the load on the wagon requiring less labor in distributing hay over mow. Operates automatically, tripped by sling pulleys striking plate immediately under machine; also arranged with separate trip rope which allows load to be carried into mow at any elevation desired.

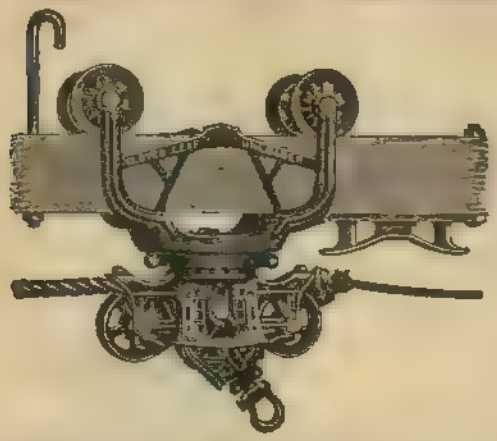
Construction—A long heavy wheel-base, truck with eight large truck wheels mounted on turned steel axles. Rope wheel 7 in. diam., fitted with 1 7/16 in. machined steel bearing. Rope lock arranged so that pressure on rope is proportional to weight of load, by which it is controlled. Rope lock so powerful that smooth faced rope jaws only are necesary, eliminating all wear on rope.

No. N40—Myers Sure Lock sling unloader, rope draft for double steel track .....each $24.00

LOOSE

HAY CARRIERS

MYERS' CLOVER LEAF—WOOD TRACK



AN AVERAGE OUTFIT CONSISTS OF ONE CARRIER, TWELVE HANGING HOOKS, TWELVE RAFTER BRACKETS, FIVE PASS KNOT PULLEYS AND TWO FLOOR HOOKS

This carrier is identical in construction throughout with the steel track carrier, with the exception of the size of track. It is adapted for 4x4 in. wood track.

No. N120—Hay Carriers, malleable iron, aluminum finish, ⅜ in. turned steel axles, swivel and reversible, positive force lock, no spring, w't 32 lbs.....each $12.75

No. 267—Hanging Hooks, ¼x10 **in.,** measured after bending, w't per doz. 9 lbs. .....per dozen $1.90

No. 268—Hanging Hooks, ¼x14 **in.,** measured after bending, w't per doz. 12 lbs. .....per dozen $2.25

No. 45—Steel Rafter Brackets, w't per doz. 3 lbs., per dozen $1.15

Directions for Making Wood Track.

The track may be hardwood or pine scantling, 4x4, dressed to about 3½ in. width. If not convenient to get this size for the full length, 4x2 or 4x5 may be used by nailing a piece on where the stop is placed, so as to fit the carrier and operate the lock properly. The pulley used to pull the carrier back in mow should be directly under and in line with the track. Always put an extra hook over the load near the stop.

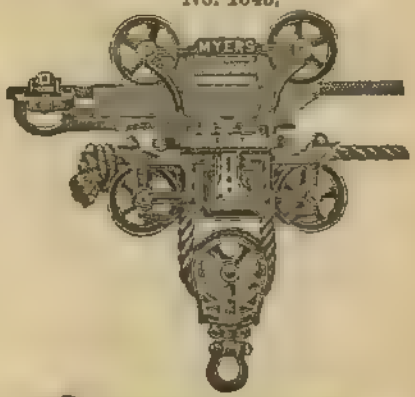
All Myers hay carriers are made of malleable iron throughout. They are constructed with flanged wheels revolving on ⅞ in. turned steel bearings. The carriers have a large flaring mouth to receive the fork pulley when approaching from any direction. The swinging fork pulley is a decided advantage in drawing hay into a well filled mow or over a beam.

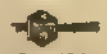
The locking device is composed of three pieces and is so arranged as to grasp the fork on both sides of the frame.

LOOSE

MYER'S CABLE OR ROD

No. 1043.





No. 431.
Single Cable Clamp.

No. 432.
Double Cable Clamp.

The knocker is one of the special features of this machine. It is so arranged that it swings loose on the track, and stands immediately under the cable, under any and all circumstances. It is held to the cable by means of a steel sleeve through which the cable passes. The sleeve is attached to the knocker by means of two bolts, and can be removed at any time without taking down the cable. The knocker is located at any desired point on the cable by means of an ordinary cable clamp.

AN AVERAGE OUTFIT CONSISTS OF ONE CABLE CARRIER, ONE HAY FORK, 150 FT. ⅜ IN. GALVANIZED CABLE, TWO SINGLE CABLE CLAMPS, TWO DOUBLE CABLE CLAMPS, TWO ⅜x10 IN. CARRIAGE BOLTS FOR SECURING POLES TOGETHER, 150 FT. ½ IN. MANILA ROPE, TWO PULLEYS AND FOUR POLES 4x4 1N. x 30 FT. LONG

No. N165—Hay Carriers, for cable or rod track, malleable iron, aluminum finish, with ⅜ in. turned steel axles, double lock, w't 31 lbs. .....each $12.75

No. 431—Single cable clamps, 2 pieces, bolted, easily removed, w't per doz. 9 lbs. .....per dozen $5.40

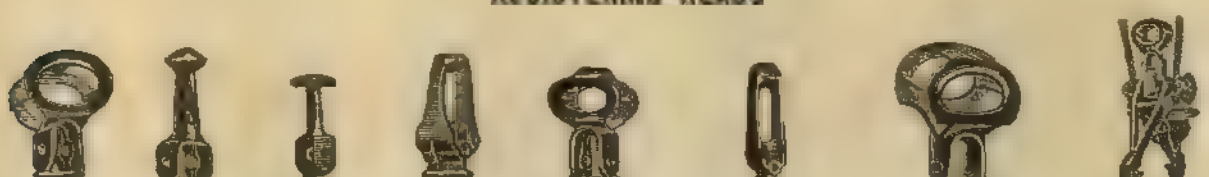
No. 432—Double cable clamps, 2 pieces, bolted, w't per doz. 15 lbs. .....per dozen $7.20

LOOSE

CABLE

No. N165C—Cable, ⅜ in., 7 strand, galvanized, w't per ft. ⅜ lb. .....per 100 feet $6.00

REGISTERING HEADS



1RH. 3RH. 6RH. 10RH. 14RH. 19RH. 276RH 69RH

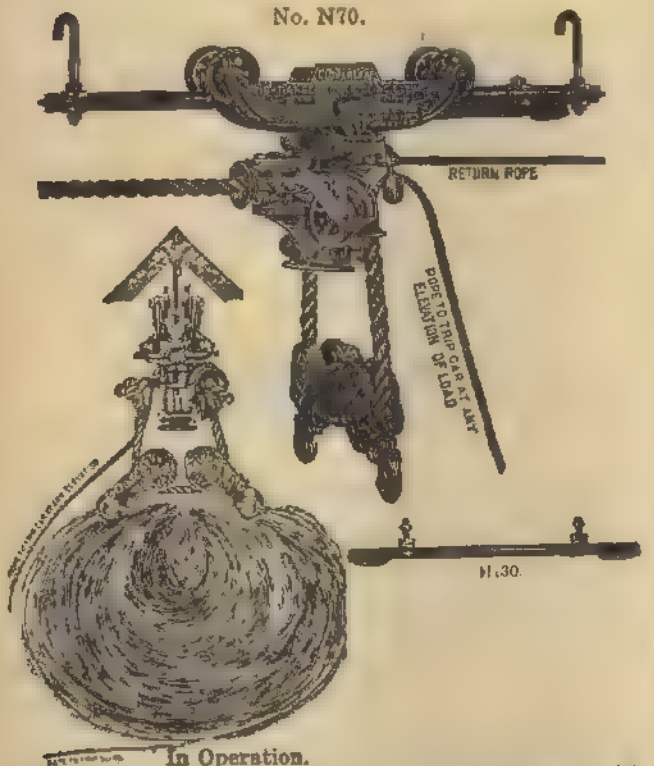
Registering heads, No. 1 for Louden hay carrier, No. 3 for Star hay carrier, No. 6 for Porter hay carrier, No. 10 for Nye and Superior hay carrier, No. 14 for Myer's O. K. hay carrier, No. 19 for Haymaker, Imperial, and Myers' old style single rail hay carriers, No. 276 for Myers' hay carriers, with 4½ in. sheave fork pulley, double and single steel track, and No. 69 for Porter's Meadow King hay carriers.

All Nos. .....each $0.75

MYERS' HAY CARRIERS

MYERS' RIGHT ANGLE FORK AND SLING ELEVATORS

No. N70.



In Operation.

Machine so arranged it elevates load at right angles with track, with the result that when load is discharged in mow it lies parallel with load on wagon, a feature not accomplished by sling carriers, unless they use special right angle pulleys which add one-half horse power to the draft.

If operator overloads carrier, rope slips through the lock, causing it to wear. This has been overcome on the right angle fork and sling elevator, as it is so arranged that tension of rope is regulated entirely by weight of load. The result is that it is impossible for rope to slip through lock, hence no chafing of the rope. Lock adjusts itself to any size rope, ¼ to 1 inch.

The right angle for and sling elevator operates automatically and is tripped by the sling pulley striking a plate immediately under the carrier. It is also arranged with a separate trip rope, by the use of which the load may be carried into the mow at any elevation desired without drawing entirely to the top of the barn.

Many farmers prefer to use two forks, one attached to each pulley.

With Two Sure Grip Pulley Blocks, ¾ in. Turned Steel Bearing, Double or Triple Hoist.

No. N70—Sling Carriers, for double steel track, annealed malleable iron, improved rope lock and locking device, balance lock, w't 52 lbs. .....each $24.00

No. 130H—Knocker for No. N70 Sling Carriers, each $1.50

No. A644—Double Steel Track, with joint clamps, in lengths 6 or 12 ft., w't per ft. 2¾ lbs. .....per foot $0 35

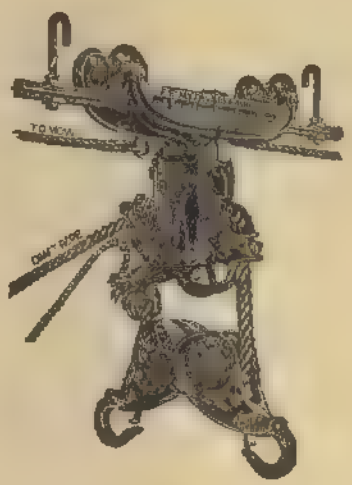
No. 302—6 in. Hanging Hooks, with clamp, measured after bending, w't per doz. 8 lbs. .....per dozen $2.60

No. 824—Extra Joint Clamps, w't per doz. 14 lbs., per dozen $3.60

No. N1139—Triple Hoist Pulleys, for No. N70 Carriers, w't 60 lbs. .....per dozen $9.00

LOOSE

MYERS' CROSS DRAFT



The draft rope running direct from the carrier to the floor permits the use of a much shorter draft rope and less walking for the horse than is the case with the other style of sling carriers. The carrier is so constructed that a knocker or stop block is not required. Large rope sheave carrying the rope revolves on large steel axle. Extra heavy and long truck distributes the load over a greater portion of the track. The truck is adjustable in width. Can be used on any make of steel track except the Hunt, Helm & Ferris Co.

No. N80—For use on No. A644 double steel track, entire weight of load bears on locking device, therefore the heavier the load the greater the pressure on the lock, no chance for the rope to slip, main rope sheave fitted with lugs which engage the dogs, stopping the revolving of the wheels and assisting the rope lock, holds load at any elevation whenever team stops, and runs to mow from that point, track wheels 3¼ in. in diam., and revolve on ¾ in. turned steel journals, frame or truck extra heavy and long, positive force lock, no springs, w't 34 lbs., each $24.00

LOOSE

DIRECTIONS FOR REVERSING CARRIER

Set fork in hay. Tie ends of rope together, to which horse and weight are attached. Pull on small rope until knot comes to the floor, then untie ropes. Fasten weight on small rope, change pulley to floor hook, This reverses carrier for opposite direction without leaving the floor or climbing up. Use all knot passing pulleys. For taking in hay at end barn use V-shaped brace for track support, as shown in cut.

MATERIAL REQUIRED FOR A STEEL TRACK OUTFIT FOR DIFFERENT LENGTH BARNS

For a 40-foot Barn—One Hay Unloader, 36 feet Steel Track, 19 Hanging Hooks, 19 Rafter Brackets, 5 Knot Passing Pulleys, 1 Fork, 6 Floor Hooks, 110 feet ¾-in. Manila Rope, 50 feet ¾-in. Check Rope, 40 feet ¾-in. Reverse Rope.

For a 50-foot Barn—One Hay Unloader, 48 feet Steel Track, 25 Hanging Hooks, 25 Rafter Brackets, 5 Knot Passing Pulleys, 1 Fork, 6 Floor Hooks, 130 feet ¾ in. Manila Rope, 55 feet ¾ in. Check Rope, 60 feet ¾ in. Reverse Rope.

For a 60-foot Barn—One Hay Unloader, 54 feet Steel Track, 28 Hanging Hooks, 28 Rafter Brackets, 5 Knot Passing Pulleys, 1 Fork, 6 Floor Hooks, 160 feet ¾ in. Manila Rope, 60 feet ¾ in. Check Rope, 60 feet ¾ in. Reverse Rope.

For a 70-foot Barn—Hay Unloader, 66 feet of Track, 34 Hanging Hooks, 3½ lbs. Bracket Nails, 5 Fig. 1120 Pulleys, 1 Fork, 6 Floor Hooks, 190 feet ¾-in. Draft Rope, 70 feet ¾-in. Check rope, 70 feet ¾-in. Reverse Rope.

For an 80-foot Barn—Hay Unloader, 78 feet of Track, 40 Hanging Hooks, 40 Rafter Brackets, 4 lbs. Bracket Nails, 5 Fig. 1120 Pulleys, 1 Fork, 6 Floor Hooks, 210 feet ¾-in. Draft Rope,80 feet ¾-in. Check Rope, 80 feet ¾-in. Reverse Rope.

Different lengths of barns will use track, hanging hooks and rope in same ratio as above.

If required to take hay in at end of barn and have rope pass down at far end to horse, same amount of draft rope. If draft rope be returned to same end of barn and then down, this requires about one-fourth more draft rope.

DOUBLE STEEL TRACK

Put Together Before Shipping.

All Double Steel Track is put together as shown in illustration before shipping. The advantage of this plan is that in erecting the only thing necessary is to attach the splice clamps. Instead of old method of breaking joints in center of rail, a long, heavy clamp is used. This plan is recommended, as it adds all the advantages of the single rail, and makes the double rail more desirable for dealers to handle.

How Track Should Be Placed.

Showing how track should be put up and how rope is tied from one rafter to the other close under the track to make stop for carrier at end of barn. Also how rafter brackets are placed, and how pulley should be fastened.

Directions for Erecting Myers' Patent Steel Track.

Scaffold, by placing rope from rafter to rafter, say 6 ft. from ridge pole or peak and about 10 ft. apart. Then place extension ladder across the ropes with board to stand on. Now nail one rafter bracket at each end of barn and draw a line from one end to the other and stretch tight. Then nail all rafter brackets even with this line. You are now ready to put up the track, which can be done either in sections or by clamping the entire length together. Hoist near to rafter brackets by ropes. Then place hanging hook over rafter bracket and finish by putting in bolt.

Material Required—One reversible carrier, track the required length of barn, one hanging-hook and rafter bracket for each rafter, five malleable knot passing pulleys, one fork, two floor hooks, one rope hitch, enough ¾ or ⅞ in. rope to operate the carrier—usually takes from 125 to 160 ft., but depends upon length of barn—¾ in. reverse rope the length of track, trip rope required length.

HAY RACK LOOPS

Showing Loop in Use.

These are designed to bolt on the ends of cross timbers of the hay rack, so that the side stakes of the basket of the rack will fit therein at the end of the timbers as shown in cut. Will hold the 2x4 in. stake securely having its lower end made tapering.

No. N42—HIBBARD, steel painted blue, w't per doz. sets 96 lbs. .....per dozen sets **$16.50**

ONE SET OF EIGHT PIECES IN A BUNDLE, WIRED

HAY RACK LOOPS, BRACKETS, ETC.

HAY RACK BRACKETS

WENZELMANN

Furnished with 7/16 inch rod

A Set Consists of Wrought Steel Clamps, Brackets, Upper Washers, Lower Clips and Nuts.

The Intermediate Bracket adds much to the bearing surface at the cross section, and being studded and flanged, keeps the timbers from twisting or slipping.

The Clamps are placed astride the timbers and have double the strength of bolts.

The Bed Sills and cross pieces absolutely cannot twist out of shape when these fixtures are used, as is the case in the old method of construction with bolts, nails, etc.

The grooved Steel Upper Washer renders it impossible for the clamp to cut into the cross piece. The lower steel clip or washer keeps the bottom cross pieces from splitting.

By using the Wenzelmann Hay Rack Fixture boring of holes in timbers is not necessary. By their use the full strength of timbers is retained, and does away with the holes, which simply collect water and hasten their decay.

Nos.	N0T	N1T	N2T	N3T
Length of clamp, in.	12	14	16	18
W't per doz. sets, lbs.	... 145	168	180	
Per dozen sets	$27.75	30.00	32.25	34.50

ONE SET IN A BOX

TAKE-DOWN HAY RACK CLAMPS

Steel Bar Passes Through Malleable Iron Loop, Held in Place by Malleable Key.

The special advantage of this clamp over the Wenzelmann is that the hay rack is built in two sections and held together by two wedge shape pins, this enables one man to place rack on the wagon or remove it without assistance.

In addition to this, the lower part composed of sills and lower cross pieces making an ideal body for hauling wood, timber, lumber and such things not conveniently handled with an ordinary wagon box. By the use of a set of stake irons it may be transformed into a hog rack.

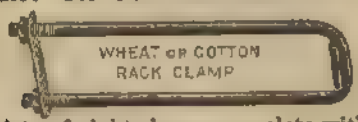
This is the most convenient form of hay clamp now on the market and is thoroughly recommended.

No. N06—Hay sills 2×8 in., cross timbers 2×4 or 2×6 in., w't per doz. sets 216 lbs., per dozen sets $45.00

No. N07—Hay sills, 2×10 in, cross timbers 2×6 in., w't per doz. sets 252 lbs. ..... per dozen sets $48.00

ONE SET IN A BOX

WHEAT OR COTTON RACK CLAMPS



A set consists of eight clamps complete with upper washers, lower clips and nuts.

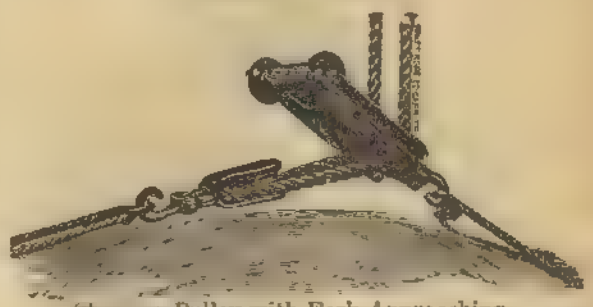
Used for building racks to haul sacked grain, baled hay or cotton in bales. When in place the sills and bottom cross pieces are securely clamped together, making a most substantial construction.

No. N1—Wheat or Cotton, sills 2×8 in., w't per doz. 144 lbs., per dozen sets $24 00

No. N2—Wheat or Cotton, sills 2×10 in., w't per doz. 156 lbs. ..... per dozen sets $25.50

ONE SET IN A WOOD BOX

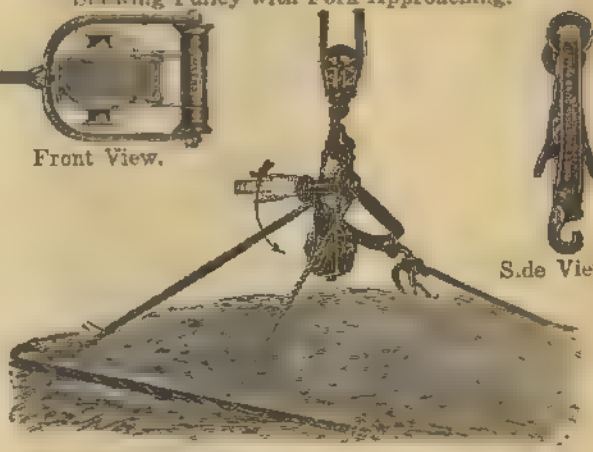
SLING PULLEYS



Showing Pulley with Fork Approaching.

Front View.

Side View.



Showing Pulley after Load Has Been Compressed.

Can be used with any make of hay carrier, except 7 in. Sheave Carrier, without a change of fork pulley or using a registering head. It is so arranged that it cannot be misplaced on the load as it can be used either side up and in connection with any shape or style of fork pulley.

With this sling attachment the hay is deposited in the mow in the same relative position as on the wagon, and not crosswise as on many sling carriers

No. N1052—Myers' Universal, malleable iron, reversible, w't 10 lbs. ..... each $5.60

LOOSE

No. 806. Sling Pulley, Locked Together.

No. 806. Sling Pulley, Spread Apart.

No. 806—Myers', malleable iron, self-locking, with registering head for any make carrier, in ordering give number of registering head w't 10 lbs. ..... each $5.60

LOOSE

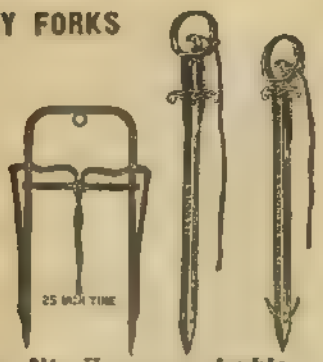
PARALLEL SLING PULLEYS

No. N1799—Malleable frame, with 4½ in. iron sheave, fitted for using ⅞ in. rope or ¾ or ½ in., 6 strand, 19 wire cable hoisting rope, for handling slings for stacking purposes, w't per doz. 91½ lbs., per pair $4.50

LOOSE

HAYING TOOLS

HAY FORKS

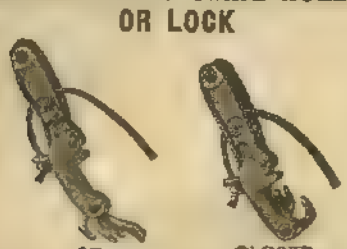


No. N1—Harpoon, **double** point, 25 in. spring steel tines, w't per doz. 204 lbs. .....each $3.40
No. N2—Harpoon, **double** point, 31 in. spring steel tines, w't per doz. 222 lbs. .....each $3.75
No. N3—**Nellis,** harpoon, single point, spring steel, w't per doz. 144 lbs., each $6.75

MYERS', automatic grapple tines and arms of high carbon spring steel, locks of best annealed malleable iron, spreads 55 in.

This fork is unlike any other, inasmuch as it is not only balanced at all points, but in addition the natural pull on the trip rope closes the fork and locks it securely, thus returning it to the load all ready to enter the hay, without any attention whatever from the operator as to setting of locks, etc.
No. N617—4 tines, **double** grapple, w't 40 lbs. .....each $15.75
No. N619—6 tines, **triple** grapple, w't 47½ lbs. .....each $18.00

MEYERS HANDY SLING HOLDER OR LOCK



OPEN CLOSED

Made for 2 or 3 rope slings, attached direct to the hook on Self Locking Sling Pulley No. 806, or to the hook on Parallel Sling Pulley No. 1799. Pulling on Trip Rope drops one end of sling, releasing the load.
No. 1699—W't each 2 lbs., each $1.50
LOOSE

SLINGS

CENTER SLING ADJUSTABLE

No. N1231—5 ft. seasoned ash cross bars, malleable iron center trip spring locks, 3 ropes, adjustable from 17 to 20 ft., w't 24 lbs., each $8.25

No. N621—Utah Pattern, 6 ft. seasoned ash cross bars, Myers' center trip spring lock, ½ in. ropes, extra end and center ropes, adjustable from 17 to 20 ft., w't 26½ lbs., each $9.75

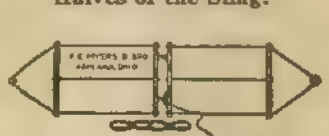
DOUBLE LOCK

This sling is connected and locked with one motion.

No. N1308—Length 6 ft., with hook and eye at one end of the sling stick and a lock at the other end making two separate connections, w't 29 lbs., each $11.25

ADJUSTABLE CHAIN

Two Connections Between the Two Halves of the Sling.



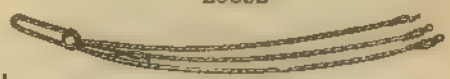
No. N1589—Myers' Pattern, 5 ft. long, galvanized No. 00 brown chain, w't 28 lbs. .....each $10.50

No. N1590—Myers' Pattern, 6 ft. long, galvanized No. 00 brown chain, w't 40 lbs. .....each $12.75

MEYERS HANDY ADJUSTABLE ROPE SLINGS

Made of best quality ½ in. rope. Has adjustable takeup, by means of which the sling can be lengthened or shortened to suit the user. The adjustable takeup has center loop or ring to which a third rope can be attached, making a three rope sling.

No. N1695—Two Rope, w't each 2 lbs. .....each $2.25
LOOSE



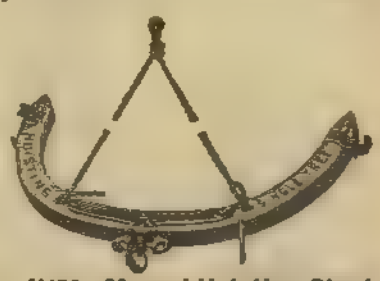
Made of best quality ½ in. rope. Has adjustable takeup, by means of which the sling can be lengthened or shortened to suit the user. The adjustable takeup has center loop or ring to which a third rope is attached.

No. N1697—Three Rope, w't each 3½ lbs. .....each $3.15
LOOSE

SNATCH BLOCKS AND SINGLETREES

This device shortens the distance the horse travels without reducing the elevating power.

No. 628—Myers' Snatch Blocks, malleable iron, w't per doz. 48 lbs., per dozen $20.60



No. N472—Myers' Hoisting Singletrees, wood, with malleable iron attachment, w't 6½ lbs., per dozen $36.00

HAY CARRIER FORK PULLEYS

Fork Pulley for Myers' New Style Hay Carriers.

This pulley is especially designed in two pieces riveted together at for rough usage. The frame is made swivel eye. The frame extending entirely around the sheave is a great protection to the rope.

No. 254H—4½ in. wheel, malleable iron frame extending around entire surface of sheave, malleable, iron clevis, steel bolt, swivel, w't per doz. 43½ lbs. .....per dozen $22.50

LOOSE

FLOOR PULLEYS

For haying purposes. Malleable iron frame in two pieces riveted together forming a truss frame that will withstand hard usage. 7 in. sheave made of hard maple and dipped in oil, with malleable iron eye. The sheave revolves on a steel bushing so that as a pulley it is a first class article.

No. N1316—W't per doz. 66 lbs., per dozen $22.50

LOOSE

HAY FORK OR OIL WELL PULLEYS

12 gauge steel top, swivel eye, hollow pin for oiling 5 in. iron sheave.

No. N25—W't per doz. 36 lbs., per dozen $9.50

LOOSE

ROLLER BEARING HAY FORK PULLEY

No. N1071—Malleable iron frame and large malleable swivel eye, frame has heavy ribs and is riveted together at both ends, making a very substantial construction, designed for extra heavy work and guaranteed to be the best pulley of its kind on the market, 5 in. sheave with wide groove suitable for any size rope up to 1¼ in. in diameter, wheel revolves on hard steel roller gearings, which in turn surround a ⅝ in. hard steel pin held rigidly In position, w't per doz. 72 lbs. .....per dozen $22.50

LOOSE

HAY FORK PULLEYS

The frames of Nos. 1133 and 1120 are two separate heavy ribbed halves riveted together at the swivel eye. The construction of the frame provides an easy approach for the rope.

No. N1133—"O. K.," plain, 6 in. maple wheel dipped in hot oil, heavily ribbed cast iron frame, 1¼ in. loose pin, swivel, w't per doz. 40½ lbs., per dozen $9.90

LOOSE

No. N1120—"O. K.," pass knot, 6 in. maple wheel dipped in hot oil, heavily ribbed cast iron frame, 1 in. loose pin swivel, w't per doz. 58 lbs., per dozen $12.40

LOOSE

The iron sheave revolves on a steel bushing and a heavy machine bolt passes through the bushing, making it very strong and durable.

No. N1550—For ⅝ or ¾ in. wire cable, 7 in., iron wheel, high carbon steel frame, steel bushings, roller bearings, w't per doz. 80 lbs., per dozen $24.75

LOOSE

The frame of this pulley is wider than the sheave, so as to allow two pulleys to be used together, the one sheave not interfering with the other. This is an extra heavy pulley intended for heavy work.

No. N189—**Derrick,** 1¼ in., hard maple frame, wood wheel, steel yoke and hook, size of sheave 5 in. diam. x 1¾ in. thick, w't per doz. 56 lbs., per dozen $18.00

LOOSE

HAY FORK PULLEYS

No. N16—6 in. iron wheel, 1¼ in. loose pin, cast frame reinforced with heavy ribs on edge, w't per doz. 48 lbs., per dozen $10.90

LOOSE

No. N36—6 in. maple wheel dipped in hot oil, 1 in. loose pin, heavily ribbed cast iron frame, "pass knot" swivel, w't per doz. 46 lbs., per dozen $11.80

LOOSE

No. N36EW—Extra Wood Wheels, for No. 36 .....per dozen $4.40

LOOSE

No. N046—Reed's pattern, 4½ in. wood wheels, hollow axle, wrought iron strap, forged steel eye, riveted hardwood, shell, swivel, self-lubricating, w't per doz. 33 lbs., per dozen $9.90

LOOSE

No. N046EW—Extra Wood Wheels, for No. 46 .....per dozen $4.40

LOOSE

No. N26—6 in. maple wheel, 1¼ in. loose pin, cast iron frame swivel w't per doz. 37 lbs., per dozen $9.90

No. N26EW, Extra Wood Wheels, for No. N26 per dozen $4.40

LOOSE

No. N56—One piece wrought steel frame, malleable swivel eye, cast iron sheave 5½ in. in diameter, revolving on steel bearing, w't per doz. 48 lbs., per dozen $9.00

LOOSE

HAY CARRIER EXTRAS

No. 103. Stop Block or Knocker.

No. 50H. Complete. Fork Pulley.

No. 201. Rope Sheave.

No. 413H Knocker.

No. 280H Knocker.

No. 130H Knocker.

No. 280H—Knockers, for cable unloaders, w't 8 lbs. .....each $1.90

No. 50H—Fork Pulleys, complete for Myers' old style hay carriers, w't 3½ lbs. .....each $1.90

No. 103—Stop Blocks or Knockers, for Myers' single steel track hay carriers, w't 2 lbs. .....each $1.00

No. 413H—Extra Knockers, or Trip Blocks, for **Myers' Clover Leaf** steel or wood track and **Imperial** wood track hay carriers, w't 1¾ lbs., each $1.00

No. 130H—Extra Knockers, or Trip Blocks, for **No. 70 Myers'** Sling carriers, w't 3 lbs. .....each $1.50

No. 201—Rope Sheaves, with bushings for Myers' **old** style hay carriers, w't 1 lb. .....each $0.90

No. 258H—Rope Sheaves, for Myers' **new** style hay carriers, w't 1¾ lbs. .....each $0.90

MYERS' ROPE HITCHES

The rope can be released from whiffletree instantly with this hitch. The hitch can be shortened to any desired length by drawing on the end of the rope.

No. 376—Malleable iron, swivel hook, w't per doz. 15 lbs., per dozen $8.00

HAY FORK HOOKS

Wrought Iron.

No. 50—½x7 in., w't per doz. 16 lbs., per dozen $2.25

No. 60—⅝x8 in., w't per doz. 16 lbs., per dozen $2.60

CENTER TRIP SLING LOCKS

Showing Locks Open.

No. 622—Myers', malleable iron, 3 pieces, w't 1¼ lbs., each $1.50

CATTLE STANCHIONS

Steel channel bar, rust-proof enameled, with malleable fittings, chain hung, with eye bolt, gravity latch, no springs, adjustable, wood lined, length inside 48 in., adjusts to inside widths, 6½, 7½ or 8 in.

No. N9—Regular, w't per doz., 228 lbs. .....each $5.75

No. F9S—With Sure-Stop, w't per doz. 240 lbs.★ .....each $6.90

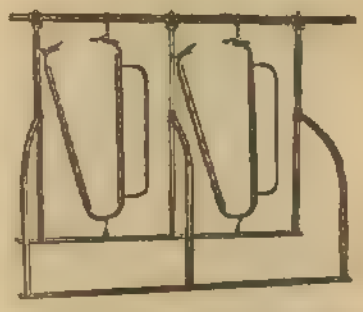
PACKED LOOSE

STANCHION IRONS

No. 1—One-piece, cast iron, opening 1 13/16x4 in., length over all, 6 in. To serve as a secure but simple catch for the swinging bar of a home-made wood cattle stanchion. W't per doz. 10 lbs., per dozen $2.90

PACKED LOOSE

CATTLE STALLS



No. F27APS Stalls, fitted with No. F9S Stanchions.

Steel stalls, 1¼ in. high carbon steel tubing, with malleable clamps. Bottom bolt to angle steel anchor bars, which, embedded in concrete floor, prevent racking and insure perfect alignment.

No. F27APS—Stall, complete with No. F9S **sure-stop,** wood-lined stanchion, w't each 62 lbs., each★ $19.90

No. F27APR—Stall, as above, complete with No. 9 **regular,** wood-lined stanchion, w't each 61 lbs., each★ $18.80

STALL EXTRAS

No. MP—Enamel point steel manger partitions, for dividing built-in concrete mangers, w't each 19 lbs.★ .....each $4 80

PACKED LOOSE

★ Items Marked Thus ★ Are Shipped From Factory Only.

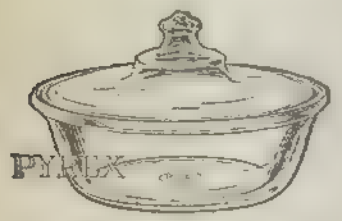
TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE

PYREX GLASS WARE

(Fire Glass)

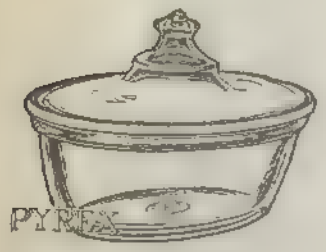
A Clear Glass Scientifically Made of Special Materials which will Withstand Sudden Changes in Temperature Incident to Baking. The Most Sanitary Utensils in Existence, for Constant use. Has a Hard, Smooth, Clear Surface, Easily Cleaned; Will not Glaze, Flake, Chip, Scratch, Burn Food, Discolor Itself or Absorb Odorous Flavors.

The Food is Baked and Served in the Same Dish. As they have a Large Capacity for Carrying Heat, when Serving will Keep Food Warm for a Long Time. An Ornament for Beauty; Practical and Durable in Kitchen. If Handled with Reasonable Care, Should Last for Years.



CASSEROLES
Round, with Cover

Nos.	104	103	102	101	100
Capacity, Quarts	½	1	1½	2	2½
Diameter, Inches	6⅞	7¼	8⅛	9	9¼
Height, Inches	2¼	2½	2⅞	3¼	3½
Quantity in Carton	1	1	1	1	1
Quantity in Case	48	30	24	18	12
Weight per Dozen, Lbs.	22	30	38	46	54
Per Dozen	$12.00	18.00	21.00	24.00	30.00
	16.00	24.00	28.00	32.00	40.00



CASSEROLES
Oval, with Cover
Fits Standard Mountings

Nos.	193	197	194	■
Capacity, Quarts	1	1½	2	3½
Length, Inches	8⅜	8⅞	9½	10½
Width, Inches	6¼	6¼	7	8
Height, Inches	2⅞	3⅝	3¾	4½
Quantity in Carton	1	1	1	1
Quantity in Case	30	24	21	12
Weight per Dozen, Lbs.	30	36	42	42
Per Dozen	$18 00	21 00	24 00	36 00
	24 00	28.00	32.00	48.00

CASSEROLES
Round, with Cover
Fit Standard Mountings

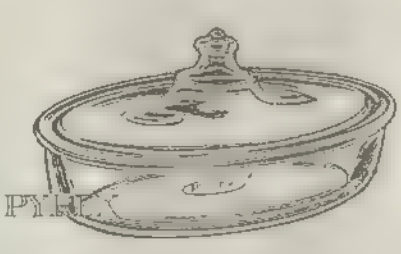
Nos.	167	168	169	170
Capacity, Quarts	1	1½	2	2½
Diameter, Inches	7¼	8⅛	9¼	9¾
Height, Inches	2	2⅝	3¼	3½
Quantity in Carton	1	1	1	1
Quantity in Case	30	24	18	12
Weight per Dozen, Lbs.	30	42	51	55½
Per Dozen	$18.00	21 00	24.00	30.00
	24.00	28 00	32.00	40.00

PYREX GLASS WARE

(Fire Glass)

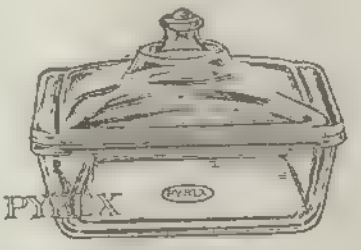
A Clear Glass Scientifically Made of Special Materials which will Withstand Sudden Changes in Temperature Incident to Baking. The Most Sanitary Utensils in Existence, for Constant use. Has a Hard, Smooth, Clear Surface, Easily Cleaned; Will Not Glaze, Flake, Chip, Scratch, Burn Food, Discolor Itself or Absorb Odorous Flavors.

The Food is Baked and Served in the Same Dish. As they have a Large Capacity for Carrying Heat, when Serving will Keep Food Warm for a Long Time. An Ornament for Beauty; Practical and Durable in Kitchen. If Handled with Reasonable Care, Should Last for Years.



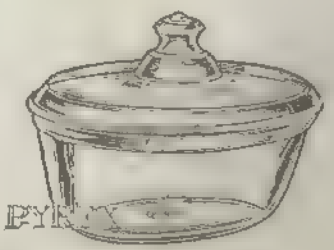
CASSEROLES
Oval, Shallow, with Cover

Nos.	183	184	185
Capacity, Quarts	1	1½	2
Length, Inches	9	10⅜	12
Width, Inches	6¼	7¾	8¾
Height, Inches	2⅜	2⅜	2½
Quantity in Carton	1	1	1
Quantity in Case	30	20	18
Weight per Dozen, Lbs.	33	48	60
Per Dozen	$18.00	21.00	24.00
	24.00	28.00	32.00



CASSEROLES
Square, with Cover

No.	800
Capacity, Quarts	1½
Length, Inches	8¼
Width, Inches	8¼
Height, Inches	3
Quantity in Carton	1
Quantity in Case	24
Weight per Dozen, Lbs.	40
Per Dozen	$27 00
	36.00



CASSEROLES
Oval
Fit Standard Mountings

Nos.	293	297	294
Capacity, Quarts	1	1½	2
Length, Inches	8⅜	8⅜	9½
Width, Inches	6¼	6¾	7
Height, Inches	2⅞	3⅛	3¼
Quantity in Carton	1	1	1
Quantity in Case	30	24	21
Weight per Dozen, Lbs.	32	36	42
Per Dozen	$18.00	21.00	24.00
	24.00	28.00	32.00

PYREX GLASS WARE

(Fire Glass)

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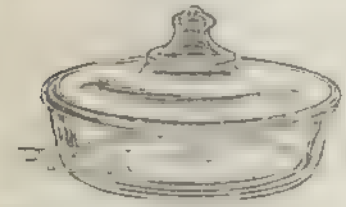
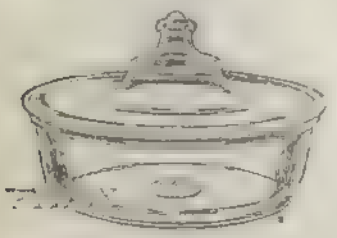


CASSEROLES
Round, Shallow
with Cover

Nos.	112	113
Capacity, Quarts	1	1½
Diameter, Inches	7⅝	8¼
Height, Inches	2¼	2½
Quantity in Carton	1	1
Quantity in Case	30	24
Weight per Dozen, Lbs.	33	37½
Per Dozen	$18.00	21 00
	24 00	28 00



CASSEROLES
Round
Fit Standard Mountings

Nos.	267	268	269	270
Capacity, Quarts	1	1½	2	2½
Diameter, Inches	7¼	8¼	9¼	9¾
Height, Inches	2⅝	2⅞	3¼	3½
Quantity in Carton	1	1	1	1
Quantity in Case	30	24	18	12
Weight per Dozen, Lbs.	23¼	40½	51	50
Per Dozen	$18 00	21 00	24.00	30 00
	24 00	28 00	32.00	40 00

CASSEROLES
Round, Individual, with Cover

No.	164
Capacity, Ounces	8
Diameter, Inches	4½
Height, Inches	2
Quantity in Carton	1
Quantity in Case	84
Weight per Dozen, Lbs.	5
Per Dozen	$8 40
	11.30

MAIL US YOUR ORDERS OFTEN. WE BELIEVE THAT OUR PRICES WILL AVERAGE AS LOW, OR LOWER THAN YOU CAN PROCURE THE GOODS FOR FROM OTHER SOURCES. WE TAKE SCRUPULOUS CARE TO HAVE THE DESCRIPTIONS IN OUR CATALOG ACCURATE IN EVERY RESPECT.

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BAKING DISHES
Oval
Covered, Two Piece

No.	110
Length, Inches	12
Width, Inches	7⅞
Depth, Inches	2⅞
Quantity in Carton	1
Quantity in Case	30
Weight per Dozen, Lbs.	42
Per Dozen	$31 00
	32 00

PUDDING OR BAKING DISHES
Round, Deep

Nos.	123	122	121	120
Capacity, Quarts	1	1½	2	2½
Diameter, Inches	7¼	8½	9	9¾
Depth, Inches	2½	2⅞	3¼	3½
Quantity in Carton	1	1	1	1
Quantity in Case	36	30	20	20
Weight per Dozen, Lbs.	21	23	33	33
Per Dozen	$10.20	12 00	14 40	16 80
	13.60	16.00	19.20	22.40

PUDDING DISHES
Round, Deep
with Handles

No.	450
Capacity, Quarts	1½
Diameter, Inches	8½
Depth, Inches	2⅞
Quantity in Carton	1
Quantity in Case	30
Weight per Dozen, Lbs.	25½
Per Dozen	$15 00
	20.00

PUDDING DISHES
Square

No.	800B
Capacity, Quarts	1½
Length, Inches	7¾
Width, Inches	7¾
Depth, Inches	3
Quantity in Carton	1
Quantity in Case	24
Weight per Dozen, Lbs.	27
Per Dozen	$15 00
	20.00

TRADE MARK REGISTERED PYREX IN THE U. S. PAT. OFFICE.

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BAKING DISHES

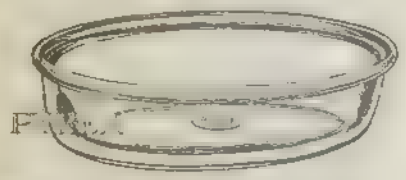
Round, Deep

Nos.	404	405	406
Capacity, Quarts	1	1½	2
Diameter, Inches	7¾	9¼	9⅛
Depth, Inches	2	2¼	3
Quantity in Carton		1	
Quantity in Case			20
Weight per Dozen, Lbs	9	12	21
Per Dozen	$		14 40
	13 60	16 00	19 20

PUDDING OR BAKING DISHES

Round, Shallow

Nos	132	155
Capacity, Quarts	1	1½
Diameter, Inches	7¾	8¼
Depth, Inches	2¼	2¼
Quantity in Carton	1	1
Quantity in Case	36	36
Weight per Dozen, Lbs.	22	28
Per Dozen	$10 20	12 00
	13 60	16 00



BAKING DISHES

Oval, Shallow

Nos	183B	184B	185B
Capacity, Quarts	1	1½	2
Length, Inches	9	10⅝	12
Width, Inches	6½	7¾	8¾
Depth, Inches	2⅛	2⅜	2½
Quantity in Carton	1	1	1
Quantity in Case	30	20	18
Weight per Dozen, Lbs	24	31	41
Per Dozen	$10 20	12 00	14 40
	13 60	16 00	19 20

BAKING DISHES

Oval, Deep

Nos	193B	197B	194B	190B
Capacity, Quarts	1	1½	2	3½
Length, Inches				10⅛
Width, Inches				8
Depth				4⅜
Quantity				1
Quantity in Case				12
Weight per Dozen, Lbs	1	24	29	42
Per Dozen	$ .20	12 00	14 40	2 .00
	13 60	16 00	19 20	28.00

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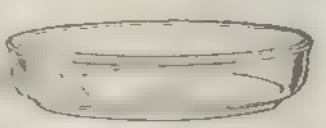
PUDDING DISHES

Oblong, Open

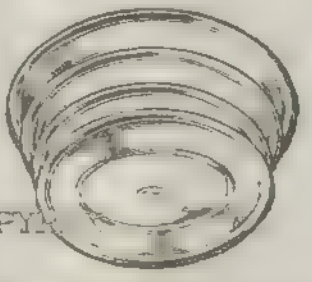
No	145
Length, Inches	7¾
Width, Inches	5¾
Depth, Inches	2
Quantity in Carton	1
Quantity in Case	36
Weight per Dozen, Lbs	21
Per Dozen	$10 20
	13 60



BAKING DISHES

Round, Shallow

No	135
Capacity, Quarts	1
Diameter, Inches	8
Depth, Inches	1¾
Quantity in Carton	1
Quantity in Case	36
Weight per Dozen, Lbs	20
Per Dozen	$12 00
	16.00



BAKING DISHES

Oval, Shallow

Nos	400	402	403
Capacity, ozs	9	12½	18½
Length, Inches	6¼	7¼	8½
Width, Inches	4½	5½	6
Height, Inches	1⅜	1¾	1⅝
Quantity in Carton	6	6	6
Quantity in Case	216	168	108
Weight per Dozen, Lbs	7	9	13
Per Dozen	$4 80	6.60	7.20
	6.40	8.80	9.60

BAKING DISHES

Round, Small Cocottes

Individual Pie

Nos.	452	453	455
Capacity, ozs	6	8	12
Diameter, Inches	4¼	4½	4¼
Depth, Inches	1⅝	1¾	1⅞
Quantity in Carton	6	6	6
Quantity in Case	336	216	144
Weight per Dozen, Lbs	5	6	8
Per Dozen	$3 00	3 60	4.80
	4.00	4.80	6.40

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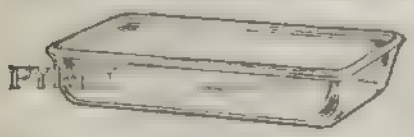


UTILITY DISHES

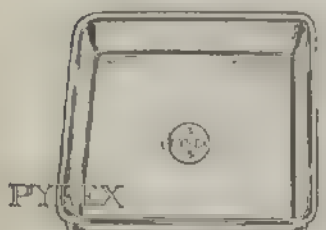
Oblong

Nos	231	232
Length, Inches	11½	12⅝
Width, Inches	7½	8⅜
Depth, Inches	2	2
Quantity in Carton	1	1
Quantity in Case	30	21
Weight per Dozen, Lbs	38	42
Per Dozen	$12 00	21 00
	16 00	28.00

BREAD PANS

Oblong

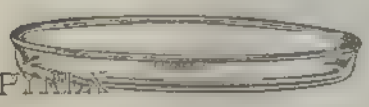
Nos	212	214
Length, Inches	9⅛	10⅝
Width, Inches	5⅛	5⅝
Depth, Inches	2⅞	3⅛
Quantity in Carton	1	1
Quantity in Case	36	24
Weight per Dozen, Lbs.	26¼	31½
Per Dozen	$10.80	18 00
	14.40	24 00



BISCUIT PANS

Oblong

Nos	234	235
Length, Inches	7½	11⅛
Width, Inches	7½	8½
Depth, Inches	1¼	1¼
Quantity in Carton	1	1
Quantity in Case	36	30
Weight per Dozen, Lbs.	24	31½
Per Dozen	$10 20	15 00
	13 60	20.00



CAKE DISHES

Round

Nos	221	220
Diameter, Inches	9½	9¼
Depth, Inches	1¼	1
Quantity in Carton	3	1
Quantity in Case	48	48
Weight per Dozen, Lbs.	18	22
Per Dozen	$9 00	9 00
	12 00	12.00

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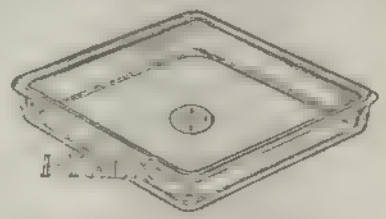


CAKE DISHES

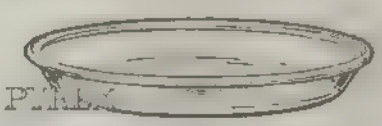
Square

Nos	809	810
Length, Inches	9⅛	10⅛
Width, Inches	9⅛	10⅛
Depth, Inches	1¾	1½
Quantity in Carton	1	1
Quantity in Case	48	42
Weight per Dozen, Lbs.	29¼	40½
Per Dozen	$12 00	18 00
	16.00	24.00

PIE PLATES

Six Sides

No	1203
Diameter, Inches	9¾
Depth, Inches	1¼
Quantity in Carton	3
Quantity in Case	57
Weight per Dozen, Lbs.	25
Per Dozen	$12 00
	16.00



PIE PLATES

Round, Narrow Flange

Nos	202	203
Diameter, Inches	8⅜	9¾
Depth, Inches	1⅜	1¼
Quantity in Carton	3	3
Quantity in Case	72	57
Weight per Dozen, Lbs.	20½	21½
Per Dozen	$9 00	10 80
	12.00	14.40

PIE PLATES

Round, Wide Flange

Nos	206	207	208	209	210	211
Diameter, Inches	6½	7½	8½	9½	10½	11½
Depth, Inches	1⅝	1⅝	1⅝	1½	1½	1½
Quantity in Carton	1	1	1	3	1	1
Quantity in Case	96	84	72	90	54	48
Weight per Dozen, Lbs.	10½	14½	17½	24	28	36
Per Dozen	$6 00	7 50	9 00	10 80	12 00	13 20
	8 00	9 60	12.00	14 40	16.00	17.60

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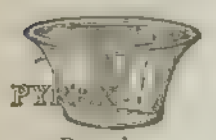
CUSTARD CUPS



Round

French Pattern

	French Pattern		Round	
Nos	424	426	423	423
Capacity, Ounces	4	6	4	6
Diameter, Inches	3½	3⅝	3½	4
Depth, Inches	2⅜	2⅝	2	2¼
Quantity in Carton	6	6	6	6
Quantity in Case	252	180	252	180
Weight per Dozen, Lbs.	3	6	4	5
Per Dozen	$2 40	3 00	2.40	3.00
	3.20	4.00	3.20	4.00

INDIVIDUAL BAKER

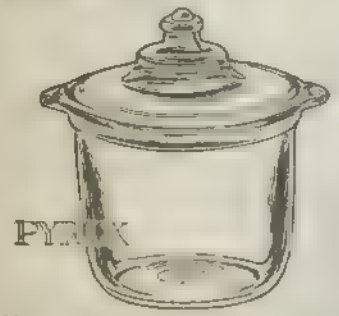
Round Wide Flange, Ramekin

No.	442
Capacity, Ounces	4
Diameter, Inches	3¾
Depth, Inches	1½
Quantity in Carton	6
Quantity in Case	258
Weight per Dozen, Lbs.	5
Per Dozen	$2 40
	3.20

INDIVIDUAL BAKER

Round Ramekin

No.	432
Capacity, Ounces	3½
Diameter, Inches	3⅛
Depth, Inches	1⅝
Quantity in Carton	6
Quantity in Case	360
Weight per Dozen, Lbs	4
Per Dozen	$1 80
	2.40



BEAN POTS

Round

Petite Marmites With Cover

Nos.	504	506
Capacity, Quarts	1	2
Diameter, Inches	6	7
Depth, Inches	4	5
Quantity in Carton	1	1
Quantity in Case	4	4
Weight per Dozen, Lbs.	9	11
Per Dozen	$21 00	30 00
	28 00	40 00

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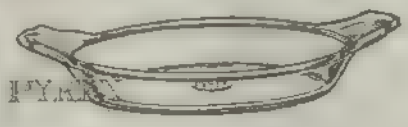
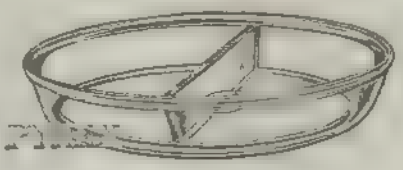


AU GRATIN DISHES

French Pattern

Nos.	330	331	[illegible]
Length, Inches	10⅛	11¼	12½
Width, Inches	5¼	5⅝	6½
Depth, Inches	1⅜	1½	1⅝
Quantity in Carton	1	1	1
Quantity in Case	72	60	48
Weight per Dozen, Lbs.	15	18	20
Per Dozen	$10 20	12 00	15 00
	13 60	16 00	20 00



VEGETABLE DISHES

Round

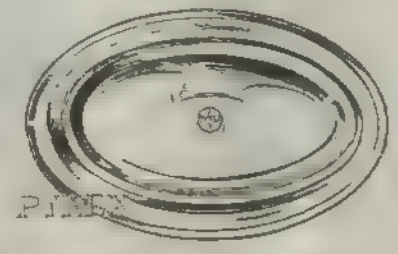
Double Compartment

No.	130
Diameter, Inches	[illegible]
Depth, Inches	1[illegible]
Quantity in Carton	1
Quantity in Case	2[illegible]
Weight per Dozen, Lbs.	3[illegible]
Per Dozen	$18 00
	24.00

MUSHROOM DISHES

Round, with Handles and Bell Cover

No.	042
Diameter Dish, Inches	6[illegible]
Height Over All, Inches	4[illegible]
Quantity in Carton	1
Quantity in Case	27
Weight per Dozen, Lbs.	18
Per Dozen	$12 00
	16 00



FISH OR MEAT PLATTERS

Oval

Nos.	313	315
Length, Inches	13[illegible]	15[illegible]
Width, Inches	8[illegible]	10[illegible]
Depth, Inches	1[illegible]	1[illegible]
Quantity in Carton	1	1
Quantity in Case	36	30
Weight per Dozen, Lbs.	[illegible]	42
Per Dozen	$18 00	24 00
	24 00	32 00

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DISHES

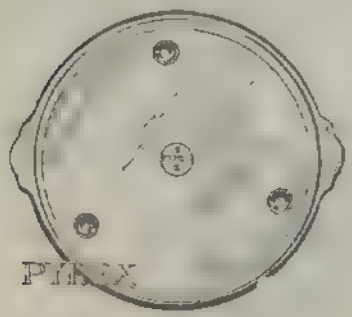
Oval, with Handles

No.	322
Length, Inches	10
Width, Inches	6½
Depth, Inches	1½
Quantity in Carton	6
Quantity in Case	36
Weight per Dozen, Lbs.	15
Per Dozen	$18.20 13.00

DISHES

Round, with Handles

Nos.	302	301
Diameter, Inches	6⅞	8½
Depth, Inches	1⅛	1½
Quantity in Carton	6	6
Quantity in Case	216	108
Weight per Dozen, Lbs.	8	14
Per Dozen	$6.60 3.80	9.00 12.00



SERVING TRAYS

Round with Handles

Nos.	706	708	710
Diameter, Inches	7	9	11
Depth, Inches	¾	¾	¾
Quantity in Carton	1	1	1
Quantity in Case	84	72	54
Weight per Dozen, Lbs.	12	15	27
Per Dozen	$6.00 3.00	9.00 12.00	12.00 16.00

PYREX GLASS WARE

TEA POT ASSORTMENTS

Latest Development in Pyrex Glass Ware; Smartest Thing in Teapots.

Will Stand the Same Temperatures as Balance of Pyrex Line; Boiling Water Poured on the Tea, the Same as with any other Tea Pot, will Not Break Them; Being Transparent It is Always Possible to Tell the Strength and Quantity of Tea in Pot. Each Assortment Consists of 1 only 2 Cup, 2 only 4 Cup and 1 only 6 Cup in Each of 3 Different Styles.

Per Assortment

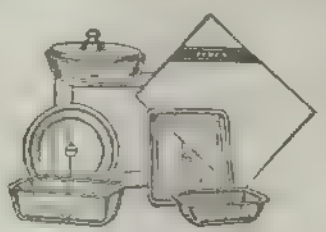
No. PO12—12 Assorted Sizes and Shapes; Weight per Pot 2 lbs; Shipping Weight per Assortment 35 lbs. $36.00 **48.00**

One Assortment in a Case

(Fire Glass)

A Clear Glass Scientifically Made of Special Materials which will Withstand Sudden Changes in Temperature Incident to Baking. The Most Sanitary Utensil in Existence, for Constant use. Has a Hard, Smooth, Clear Surface, Easily Cleaned; Will not Glaze, Flake, Chip, Scratch, Burn Food, Discolor Itself or Absorb Odorous Flavors.

The Food is Baked and Served in the Same Dish. As they have a Large Capacity for Carrying Heat, when Serving will Keep Food Warm for a Long Time. An Ornament of Beauty; Practical and Durable in Kitchen. If Handled with Reasonable Care, Should Last for Years.



GIFT SETS

Consists of the Following:

1—1⅓ Quart Oval Cassarole.
1—Oblong Bread Pan.
1—8½ inch Pie Plate, Wide Rim.
1—Oblong Biscuit Pan.
1—Oblong Pudding Dish

Per Set

No. 5—Five Piece Set; Weight per Set 14 lbs **$6.65**

Each Set put up in an Attractive Checked Cardboard Box.

PERCOLATOR TOPS
Fluted Style
Fits Universal and Royal Rochester Percolators.

Per Dozen

No. 953—Botton Outside Diameter 2⅛ inches, Height 1¾ inches; Weight per Dozen, 5 lbs. **$2.40 1.80**

One Dozen in a Carton

PERCOLATOR TOPS
Round Knob
Fits Universal and Royal Rochester Percolators

Per Dozen

No. 954—Bottom Outside Diameter 2⅛ inches; Height 2⅛ inches; Weight per Dozen, 5 lbs. **$3.20 2.40**

One Dozen in a Carton

PYREX GLASS WARE

(Fire Glass)

The Serviceableness of Engraved Pyrex is the Same as Standard Pyrex Ware. The Attractiveness has been Increased by the Carefully Executed Designs. The Spray Design is Extremely Delicate and will Appeal to Many.

ENGRAVED COVER WITH PLAIN BOTTOM

CASSEROLES
Round, with Cover; Fits Standard Mountings.

Nos.	167E6	168E6	169E6
Capacity, Quarts	1	1½	2
Diameter, Inches	6½	7½	8⅝
Height, Inches	2⅝	2⅞	3
Weight per Dozen Lbs.	30	42	46
Per Dozen	$31.20	35.20	39.20

One in a Carton

CASSEROLES
Oval with Cover
Fit Standard Mountings.

Nos.	193E6	197E6	194E6
Capacity, Quarts	1	1½	2
Length, Inches	7½	7⅞	8⅝
Width, Inches	5	5½	6¼
Height, Inches	2⅝	3⅜	3½
Weight per Dozen Lbs.	30	36	42
Per Dozen	$31.20	35.20	39.20

One in a Carton

CASSEROLES
Round, with Cover; Fits Standard Mountings.

Nos.	167E2	168E2
Capacity, Quarts	1	1½
Diameter, Inches	6½	7½
Height, Inches	2⅝	2⅞
Weight per Dozen Lbs.	30	42
Per Dozen	$27.00	31.80
One in a Carton	36.00	42.40

MAIL US YOUR ORDERS OFTEN. WE BELIEVE THAT OUR PRICES WILL AVERAGE AS LOW OR LOWER THAN YOU CAN PROCURE THE GOODS FOR FROM OTHER SOURCES. WE TAKE SCRUPULOUS CARE TO HAVE THE DESCRIPTIONS IN OUR CATALOG ACCURATE IN EVERY RESPECT.

PYREX GLASS WARE

(Fire Glass)

The Serviceableness of Engraved Pyrex is the Same as Standard Pyrex Ware. The Attractiveness has been Increased by the Carefully Executed Designs. The Spray Design is Extremely Delicate and will Appeal to Many.

CASSEROLES
Oval, with Cover; Fits Standard Mountings

Nos.	193E2	[illegible]
Capacity, Quarts	1	2
Length, Inches	7½	8⅝
Width, Inches	5½	6¼
Height, Inches	2⅝	3½
Weight per Dozen Lbs.	30	40
Per Dozen	$27.00	36 00
One in a Carton	36.00	48 00

PIE PLATES
Round, with Wide Flange

No.	[illegible]
Diameter, Inches	8½
Depth, Inches	1¼
Weight per Dozen Lbs.	24
Per Dozen	$16.20
Six in a Carton	[illegible]

SERVING TRAYS
Round, with Handles

No.	710E2
Diameter, Inches	10
Weight per Dozen Lbs.	27
Per Dozen	$18.00
One in a Carton	[illegible]

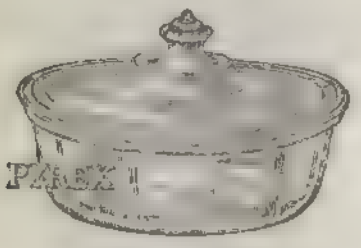
CUSTARD CUPS
Round

No.	422E2
Capacity, Ozs.	6
[illegible] Inches	3½
[illegible]	2
[illegible]gh per Dozen Lbs.	5
Per Dozen	$4.50
Six in a Carton	6.00

PYREX GLASSWARE ASSORTMENTS

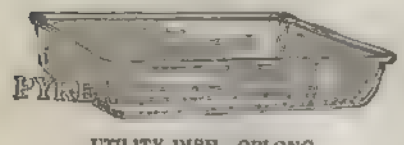
CASSEROLES—ROUND
No. 160—2½ Qt.—Deep

PUDDING DISHES—ROUND
No. 145—1½ Qt.—Shallow



CASSEROLES—ROUND
No. 167—1 Qt.
No. 168—1½ Qt.

CUSTARD CUPS
No. 423—6 Oz.—Round



UTILITY DISH—OBLONG
No. 231—10½x6½x2 In.
No. 232—12⅝x8½x2 In.

The Original Transparent Oven Ware

Has The Name on Every Piece

SAVES FUEL-LABOR DISHES

And Appeals to Women

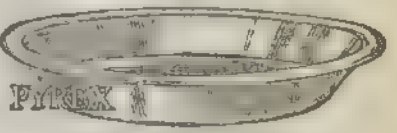
NOT A SLOW MOVING ITEM

Quantity	Stock No.	DESCRIPTION	Retail Each	Total
1	10	Casserole—Round—2½ Qt.	$2.50	$2.50
1	161	Casserole—Round—2 Qt.	2.00	2.00
2	165*	Casserole—Round—1½ Qt. (Fits Standard Mountings)	1.75	3.50
1	167*	Casserole—Round—1 Qt. (Fits Standard Mountings)	1.50	1.50
1	194*	Casserole—Oval—2 Qt. (Fits Standard Mountings)	2.00	2.00
1	193*	Casserole—Oval—1 Qt. (Fits Standard Mountings)	1.50	1.50
1	184*	Casserole—Flat—1½ Qt.	1.75	1.75
3	203	Pie Plates—Round—9½x1¼ In.	1.00	
1	201*	Pie Plates—Round—8½x1¼ In.	.90	2.70
3	202	Pie Plates—Round—7½x1¼ In.	.75	2.25
3	1203	Pie Plates—Six Sided—8½x1¼ In.	1.00	3.00
3	156	Pudding Dishes—Round—6½x1¾ In.	1.00	3.00
3	212	Bread Pans—Oblong—9½x5⅛x2¾ In.	.90	2.70
2	231	Utility Dishes—Oblong—10½x6½x2 In.	1.00	2.00
1	232	Utility Dishes—Oblong—12⅝x8½x2 In.	1.75	1.75
12	423*	Custard Cups—Round—4 Oz. (2 Sets of Six)	2.40	2.40
41 Pieces		(*Fit Metal Frames)		Retail Value, $37.55

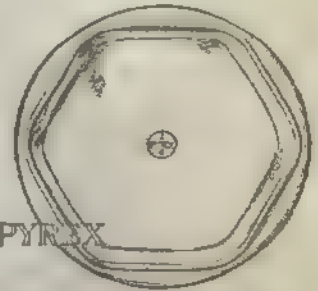
CASSEROLES—OVAL
No. 193—1 Qt.
No. 194—2 Qt.

CASSEROLES—OVAL SHALLOW
No. 184—1½ Qt., (Benfatank)

BREAD PANS—OBLONG
No. 212—9½x5⅛x2¾ In.



PIE PLATES—ROUND
No. 202—8½x1¼ In.
No. 203—9½x1¼ In.



PIE PLATES—SIX SIDED
No. 1203—8½x1¼ In.

Retail Value, $37.55

Advertising Matter Included

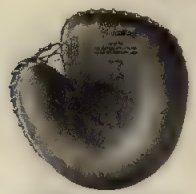
All in One Box. Approximate Weight 100 lbs.

Per Assortment

No. 41—PYREX ASSORTMENT.....$50.10 37.55

CATCHERS' MITTS

REACH



RETAIL PRICES	Each
No. 8A	$8.00
No. S	8.00

PROFESSIONAL MODEL

Made of Very Finest Quality Brown Reaco Calfskin. King Patent Padding. Patented Lacing Device Laced Thumb Deep Pocket. Strap and Buckle at Wrist Fitted with Special Patented, Hand Formed and Hand Sewed Asbestos Felt Pad All Parts Double Stitched. Double Stiffening on Edge and Back to Protect Fingers Special Patented Reinforced Back. Leather Laced. Face and Strip is made of One Molded Piece.

Per Dozen

No. 8A—Men's Size..... **$175.00** ---- ----

One in a box. Weight, per dozen, about 30 pounds.

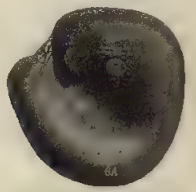
PROFESSIONAL MODEL

Made of Very Finest Quality Brown Reaco Calfskin. Slightly Larger than No. 6A Patented Lacing Device. Laced Thumb. Deep Pocket. Strap and Buckle at Wrist. Fitted with Special Patented, Hand Formed and Hand Sewed Asbestos Felt Pad. All Parts Double Stitched Double Stiffening on Edge and Back to Protect Fingers. Special Patented Reinforced Back Leather Laced. Face and Strip is made of One Molded Piece.

Per Dozen

No. S—Men's Size..... **$160.00** ---- ----

One in a box. Weight, per dozen, about 31 pounds.



RETAIL PRICES	Each
No. 6A	$8.00
No. 7A	8.00

PROFESSIONAL MODEL

Made of Very Finest Quality Brown Reaco Calfskin. Patented Lacing Device. Laced Thumb. Deep Pocket Strap and Buckle at Wrist. Fitted with Special Patented, Hand Formed and Hand Sewed Asbestos Felt Pad. All Parts Double Stitched Double Stiffening on Edge and Back to Protect Fingers. Special Patented Reinforced Back. Leather Laced Face and Strip is made of One Molded Piece.

Per Dozen

No. 6A—Men's Size..... **$154.00** ---- ----

One in a box. Weight, per dozen, about 27 pounds.

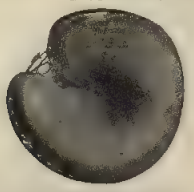
PROFESSIONAL MODEL

Made of Very Finest Quality Black Reaco Calfskin. Patented Lacing Device. Laced Thumb Deep Pocket. Strap and Buckle at Wrist Fitted with Special Patented, Hand Formed and Hand Sewed Asbestos Felt Pad. All Parts Double Stitched. Double Stiffening on Edge and Back to Protect Fingers. Special Patented Reinforced Back. Leather Laced. Face and Strip is made of One Molded Piece.

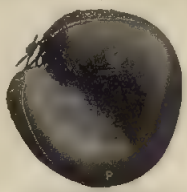
Per Dozen

No. 7A -Men's Size..... **$154.00** ---- ----

One in a box. Weight, per dozen, about 27 pounds.



RETAIL PRICES	Each
No. 9A	$8.00
No. P	7.00



PROFESSIONAL MODEL

Made of Brown Reaco Calfskin Patented Perforated Palm Moulded Professional Model Fitted with Special Patented. Hand Formed and Hand Sewed Asbestos Felt Pad All Parts Double Stitched. Double Stiffening on Edge and Back to Protect Fingers. Special Patented Reinforced Back Leather Laced. Face and Strip is made of One Molded Piece

Per Dozen

No. 9A.—Men's Size..... **$154.00** ---- ----

One in a box. Weight, per dozen, about 32 pounds.

PROFESSIONAL MODEL

Made of Very Finest Brown Reaco Calfskin. Slightly Smaller than the Large Professional Model. Patented Lacing Device. Laced Thumb Deep Pocket. Strap and Buckle at Wrist Fitted with Special Patented, Hand Formed and Hand Sewed Asbestos Felt Pad All Parts Double Stitched Double Stiffening on Edge and Back to protect fingers. Special Patented Reinforced Back. Leather Laced. Face and Strip is made of One Molded Piece. Per Dozen

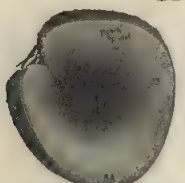
No. P—Men's Size..... **$136.00** ---- ----

One in a box. Weight, per dozen, about 26 pounds.

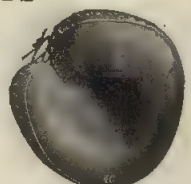
Reach Mitts are endorsed by the prominent players of all Leagues. Made in Rights and Lefts.

CATCHERS' MITTS

REACH



RETAIL PRICES	Each
No. 5A	$7.00
No. 4C	7.00



SPECIAL MODEL

Face, Finest Specially Tanned Reaco Buckskin. Back, Strip and Fingers, Finest Brown Reaco Calfskin. Large Professional Model. Patented Lacing Device. Laced Thumb. Deep Pocket. Strap and Buckle at Wrist. Fitted with Special Patented, Hand Formed and Hand Sewed Asbestos Felt Pad. All Parts Double Stitched. Double Stiffening on Edge and Back to Protect Fingers. Special and Patented Reinforced Back. Leather Laced. Face and Strip is made of One Molded Piece.

Per Dozen

No. 5A—Men's Size..... **$136.00** ---- ----

One in a box. Weight, per dozen, about 27 pounds.

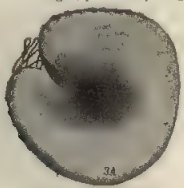
SPECIAL MODEL

Made of Very Finest Brown Reaco Calfskin. Large Professional Model. Patented Lacing Device. Laced Thumb. Deep Pocket. Strap and Buckle at Wrist. Fitted with Special Patented, Hand Formed and Hand Sewed Asbestos Felt Pad. All Parts Double Stitched. Double Stiffening on Edge and Back to Protect Fingers. Special Patented Reinforced Back. Leather Laced. Face and Strip is made of One Molded Piece.

Per Dozen

No. 4C—Men's Size..... **$136.00** ---- ----

One in a box. Weight, per dozen, about 27 pounds



RETAIL PRICES	Each
No. 3A	$7.00
No 2A	6.00

SPECIAL MODEL

Made of Finest Pearl Reaco Calfskin with Ox Blood Leather Trimmings. Patented Lacing Device. Laced Thumb. Deep Pocket Strap and Buckle at Wrist. Fitted with Special Patented, Hand Formed and Hand Sewed Asbestos Felt Pad. All Parts Double Stitched. Double Stiffening on Edge and Back to Protect Fingers. Special Patented Reinforced Back. Leather Laced. Face and Strip is made of One Molded Piece.

Per Dozen

No. 3A—Men's Size..... **$136.00** ---- ----

One in a box. Weight, per dozen, about 27 pounds

SPECIAL MODEL

Face and Back, Finest Brown Reaco Calfskin. Strip and Fingers, Finest Olive Reaco Calfskin. Welted. Patented Lacing Device. Laced Thumb. Deep Pocket. Strap and Buckle at Wrist. Fitted with Special Patented, Hand Formed and Hand Sewed Asbestos Felt Pad. All Parts Double Stitched. Double Stiffening on Edge and Back to Protect Fingers. Special Patented Reinforced Back. Leather Laced. Face and Strip is made of One Molded Piece

Per Dozen

No. 2A—Men's Size..... **$118.00** ---- ----

One in a box. Weight, per dozen about 27 pounds

RETAIL PRICES	Each
No. 2B	$6.00
No. AS	5.00

SPECIAL MODEL

Face, Back and Fingers, Finest Black Reaco Calfskin. Strip, Brown Reaco Calfskin. Welted. Patented Lacing Device. Laced Thumb. Deep Pocket. Strap and Buckle at Wrist. Fitted with Special Patented, Hand Formed and Hand Sewed Asbestos Felt Pad. All Parts Double Stitched. Double Stiffening on Edge and Back to Protect Fingers Special Patented Reinforced Back. Leather Laced. Face and Strip is made of One Molded Piece.

Per Dozen

No. 2B—Men's Size..... **$118.00** ---- ----

One in a box. Weight, per dozen, about 27 pounds.

SPECIAL MODEL

Face and Back, Finest Pearl Colored Reaco Calfskin. Strip and Fingers, Olive Calfskin. Patented Lacing Device. Laced Thumb. Deep Pocket. Strap and Buckle at Wrist. Fitted with Special Patented, Hand Formed and Hand Sewed Asbestos Felt Pad. All Parts Double Stitched. Double Stiffening on Edge and Back to Protect Fingers Special Patented Reinforced Back. Leather Laced. Face and Strip is made of One Molded Piece.

Per Dozen

No. AS..... **$98.00** ---- ----

One in a box. Weight, per dozen, about 25½ pounds.

Reach Mitts are endorsed by the prominent players of all Leagues. Made in Rights and Lefts.

CATCHERS' MITTS

REACH

SPECIAL MODEL

RETAIL PRICES	Each
No. 32	$5.00
No 500	4.00

MEN'S SIZE

Made of Finest Olive Reaco Calfskin. Patented Lacing Device. Laced Thumb. Deep Pocket Strap and Buckle at Wrist Fitted with Special Patented, Hand Formed and Hand Sewed Asbestos Felt Pad. All Parts Double Stitched. Double Stiffening on Edge and Back to Protect Fingers Special Patented Reinforced Back. Leather Laced. Face and Strip is made of One Molded Piece.

Per Dozen

No. 32 Men's Size..... **$98.00** ---- ----

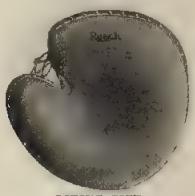
One in a box. Weight, per dozen, about 27 pounds.

Made of Brown Calfskin with White Leather Welt and Binding A New and Desirable Mitt. Fitted with Special Patented, Hand Formed and Hand Sewed Asbestos Felt Pad All Parts Double Stitched. Double Stiffening on Edge and Back to Protect Fingers Special Patented Reinforced Back Leather Laced Face and Strip is made of One Molded Piece.

Per Dozen

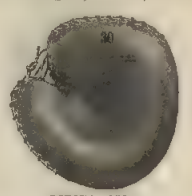
No. 500..... **$98.00** ---- ----

One in a box. Weight, per dozen, about 27 pounds.



MEN'S SIZE

RETAIL PRICES	Each
No. 41	$4.00
No 30	4.00



MEN'S SIZE

Face, Back and Fingers of Dark Brown Calfskin Strip of Pearl Calfskin. Black Leather Welt and Binding. Fitted with Special Patented Hand Formed and Hand Sewed Asbestos Felt Pad All Parts Double Stitched Double Stiffening on Edge and Back to Protect Fingers Special Patented Reinforced Back. Leather Laced Face and Strip is made of One Molded Piece.

Per Dozen

No. 41..... **$78.00** ---- ----

One in a box. Weight, per dozen, about 27 pounds.

Made of Finest Mouse Colored. Reaco Leather. Patented Lacing Device Laced Thumb. Deep Pocket Strap and Buckle at Wrist. Fitted with Special Patented, Hand Formed and Hand Sewed Asbestos Felt Pad. All Parts Double Stitched. Double Stiffening on Edge and Back to Protect Fingers Special Patented Reinforced Back Leather Laced Face and Strip is made of One Molded Piece.

Per Dozen

No. 30..... **$78.00** ---- ----

One in a box. Weight, per dozen, about 27 pounds.

MEN'S SIZE

RETAIL PRICES	Each
No 30N	$4.00
No BX	5.00

MEN'S SIZE

Made of Finest Black Reaco Leather. Molded Model. Patented Lacing Device. Laced Thumb. Deep Pocket Inside Hump. Strap and Buckle at Wrist. Leather Laced. Well Padded and made Extra Strong.

Per Dozen

No. 30N..... **$78.00** ---- ----

One in a box. Weight, per dozen, about 27 pounds.

Made of Finest Brown Calfskin Black Calfskin Strip and Back. Welted New Model. Patented Lacing Device. Laced Thumb Deep Pocket Inside Hump. Strap and Buckle at Wrist. Patented Sole Leather Finger Protector. Well Padded and made Extra Strong. Olive Welt and Brown Binding.

Per Dozen

No. BX..... **$68.00** ---- ----

One in a box. Weight, per dozen, about 27 pounds

Reach Mitts are endorsed by the prominent players of all Leagues. Made in Rights and Lefts.

CATCHERS' MITTS

REACH

MEN'S SIZE

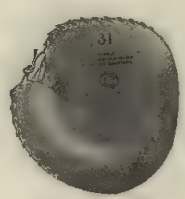
Made of Light Color Brown Calfskin with Pearl Calf Strip. Olive Welt and Binding. Patented Lacing Device. Laced Thumb. Deep Pocket. Inside Hump Strap and Buckle at Wrist. Leather Laced. Well Padded and made Extra Strong.

Per Dozen
No. 350 ..... $66.00 ---- ----

One in a box. Weight, per dozen, about 25½ pounds.

RETAIL PRICES

	Each
No 350	$3.50
No. 31	3.00

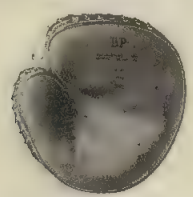


MEN'S SIZE

Made of Brown Tan Leather. Ox-blood Binding. Molded Model. Patented Lacing Device. Laced Thumb. Deep Pocket. Inside Hump Strap and Buckle at Wrist. Leather Laced. Well Padded and made Extra Strong.

Per Dozen
No. 31 ..... $58.00 ---- ----

One in a box. Weight, per dozen, about 25 pounds.



MEN'S SIZE

Made of Finest Olive Calfskin with Black Calfskin Strip. Welted. New Model. Patented Lacing Device. Laced Thumb. Deep Pocket. Inside Hump Strap and Buckle at Wrist. Leather Laced. Well Padded and made Extra Strong.

Per Dozen
No. BP ..... $58.00 ---- ----

One in a box. Weight, per dozen, about 24½ pounds.

RETAIL PRICES

	Each
No BP	$3.00
No BN.	3.00

MEN'S SIZE

Made of Finest Black Calfskin with Brown Calfskin Strip. Welted. New Model. Patented Lacing Device. Laced Thumb. Deep Pocket. Inside Hump Strap and Buckle at Wrist. Leather Laced. Well Padded and made Extra Strong.

Per Dozen
No. BN ..... $58.00 ---- ----

One in a box. Weight, per dozen, about 24 pounds.

MEN'S SIZE

Made of Drab Buckskin with Brown Leather Back. Red Welt and Olive Binding. Well Padded.

Per Dozen
No. 33 ..... $56.00 ---- ----

One in a box. Weight, per dozen, about 24 pounds.

RETAIL PRICES

	Each
No. 33	$3.00
No DD	2.50

MEN'S SIZE

Face and Fingers, Finest Drab Suede Calfskin. Back and Strip of Finest Brown Tan Leather. Patented Sole Leather Finger Protector. Made on New Model, which has the appearance and effect of a Molded Mitt. Patented Lacing Device. Laced Thumb. Deep Pocket. Strap and Buckle at Wrist. Leather Laced.

Per Dozen
No. DD ..... $50.00 ---- ----

One in a box. Weight, per dozen, about 26½ pounds.

Reach Mitts are endorsed by the prominent players of all Leagues. Made in Rights and Lefts.

CATCHERS' MITTS

REACH

MEN'S SIZE

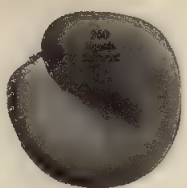
Face and Fingers, Fine Black Calfskin. Back and Strip, Fine Black Tan Leather. Sole Leather Finger Protector. Made on New Model, which has the appearance and effect of a Molded Mitt. Patented Lacing Device. Laced Thumb. Deep Pocket. Strap and Buckle at Wrist. Leather Laced.

Per Dozen

No. DN ..... **$50.00** ---- ----

One in a box. Weight, per dozen, about 24 pounds.

RETAIL PRICES	Each
No DN	$8.50
No. 250.....	8.50



MEN'S SIZE

Face and Fingers Brown Calfskin Back and Strip Olive Tan Leather. Red Welt and Binding.

Per Dozen

No. 250 ..... **$48.00** ---- ----

One in a box. Weight, per dozen, about 24 pounds.

MEN'S SIZE

Face and Back, Fine Black Calfskin. Fingers and Strip Olive Tan Leather. White Welt and Binding Made on New Model, which has the appearance and effect of a Molded Mitt. Patented Lacing Device. Lace Thumb. Deep Pocket Strap and Buckle at Wrist. Leather Laced.

Per Dozen

No. 20N ..... **$40.00** ---- ----

One in a box. Weight, per dozen, about 24 pounds.

RETAIL PRICES	Each
No. 20N	$8.00
No 200	2.00

MEN'S SIZE

Face and Fingers, Finest Mouse Colored Calfskin, Buckskin Finish. Back and Strip, Fine Craven Tan Leather. Made on New Model, which has the appearance and effect of a Molded Mitt. Patented Lacing Device Laced Thumb Deep Pocket. Strap and Buckle at Wrist. Leather Laced.

Per Dozen

No. 200 ..... **$40.00** ---- ----

One in a box. Weight, per dozen, about 24 pounds.

MEN'S SIZE

Made of Ecru Leather with Black Tan Leather Strip. Cherry Red Welt and Binding Made on New Model, which has the appearance and effect of a Molded Mitt. Patented Lacing Device Lace Thumb. Deep Pocket Strap and Buckle at Wrist. Leather Laced.

Per Dozen

No. 220 ..... **$38.00** ---- ----

One in a box. Weight, per dozen, about 24 pounds.

RETAIL PRICES	Each
No 220 . .	$2.00
No. 160N	1.50

MEN'S SIZE

Face and Fingers, Fine Black Calfskin. Back, Black Tan Leather. Craven Tan Leather Strip. Made on New Model, which has the appearance and effect of a Molded Mitt. Patented Lacing Device. Laced Thumb. Deep Pocket. Strap and Buckle at Wrist. Leather Laced.

Per Dozen

No. 160N ..... **$30.00** ---- ----

One in a box. Weight, per dozen, about 21 pounds.

Reach Mitts are endorsed by the prominent players of all Leagues. Made in Rights and Lefts.

CATCHERS' MITTS

REACH

RETAIL PRICES	Each
No. 150	$1.50
No. 160	1.50

MEN'S SIZE

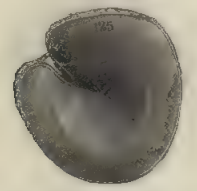
Face, Fingers and Strip, Pearl Colored Leather. Craven Tan Leather Back. Welted. New Thin Model Laced Thumb Deep Pocket. Strap and Buckle at Wrist. Leather Laced.

Per Dozen
No. 150 ..... $30.00 ---- ----
One in a box. Weight, per dozen, about 21 pounds.

MEN'S SIZE

Made of Olive Tan Leather with Black Tan Leather Strip. Full Laced Wine Binding. Deep Pocket Strap and Buckle at Wrist. Leather Laced.

Per Dozen
No. 160 ..... $30.00 ---- ----
One in a box. Weight, per dozen, about 21 pounds.



RETAIL PRICES	Each
No. 125	$1.25
No. FPN	1.00

MEN'S SIZE

Face, Back Fingers, Strip and Face Reinforcement, Fine Brown Tan Leather New Model. Laced Thumb. Deep Pocket. Strap and Buckle at Wrist.

Per Dozen
No. 125 ..... $25.00 ---- ----
One in a box. Weight, per dozen, about 23½ pounds.

MEN'S SIZE

Made of Fine Olive Tan Leather, with Brown Tan Strip New Model Laced Thumb Deep Pocket. Strap and Buckle at Wrist.

Per Dozen
No. FPN ..... $21.00 ---- ----
One in a box. Weight, per dozen, about 22½ pounds.

RETAIL PRICES	Each
No. FP.	$1.00
No. 75.	75

MEN'S SIZE

Face, Back and Fingers, Fine Brown Tan Leather. Strip, Olive Tan Leather. New Model. Laced Thumb. Deep Pocket. Strap and Buckle at Wrist.

Per Dozen
No. FP ..... $20.00 ---- ----
One in a box. Weight, per dozen, about 22½ pounds

MEN'S SIZE

Face, Back and Fingers, Brown Tan Leather. Ox Blood Strip. Laced New Model. Laced Thumb Deep Pocket Strap and Buckle at Wrist.

Per Dozen
No. 75 ..... $15.00 ---- ----
Three in a box. Weight, per dozen, about 21½ pounds.

Reach Mitts are endorsed by the prominent players of all Leagues. Made in Rights and Lefts

CATCHERS' MITTS

REACH

MEN'S SIZE

Face, Back and Fingers, Fine Black Tan Leather. Strip, Craven Tan Leather. New Model Large Size. Laced Thumb and Back. Deep Pocket.

Per Dozen
No. 100 ..... **$15.00** --- ---
Three in a box. Weight, per dozen, about 18¾ pounds.

RETAIL PRICES

	Each
No. 100	$ .75
No. 65	.50

MEN'S SIZE

Face, Fingers and Back, Brown Tan Leather. Ox blood Strip. Laced Thumb and Back. Deep Pocket

Per Dozen
No. 65 ..... **$10.00** --- ---
Three in a box. Weight, per dozen, about 13¼ pounds.

BOY'S SIZE

Face and Fingers, Craven Tan Leather. Perspiration-proof Back. Olive Strip. Laced Thumb and Back. Deep Pocket

Per Dozen
No. GP ..... **$10.00** --- ---
Three in a box. Weight, per dozen, about 3 pounds.

RETAIL PRICE

	Each
No. GP	$ .50

BOY'S SIZE

Face and Fingers, Brown Tan Leather. Strip and Back, Black Leather. Laced Thumb and Back. Deep Pocket.

Per Dozen
No. MX ..... **$5.00** --- ---
Six in a box. Weight, per dozen, about 6 pounds.

RETAIL PRICES

	Each
No. MX	$ .25
No. M.	.25

BOY'S SIZE

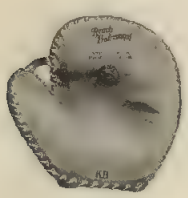
Face and Fingers, Craven Tan Leather. Perspiration-proof Back. Ox-blood Strip. Laced Thumb and Back. Deep Pocket.

Per Dozen
No. M. ..... **$4.50** --- ---
Six in a box. Weight, per dozen, about 4½ pounds

Reach Mitts are endorsed by the prominent players of all Leagues. Made in Rights and Lefts.

FIRST BASEMEN'S MITTS

REACH



RETAIL PRICES	Each
No. KB	$5.00
No. 3BG	5.00

PROFESSIONAL MODEL

Made on Our New Professional Graball Model of Specially Tanned Reaco Buckskin The King Patent Lacing and Adjustable Padding is an Important Feature, being Absolutely Secure Against Breaking or Shifting.

Per Dozen

No. KB—Men's Size ..... **$98.00** ---- ----

One in a box. Weight, per dozen, about 16 pounds.

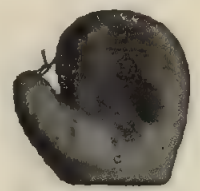
PROFESSIONAL MODEL

Made of Special Grade of Calfskin. Fitted with Our Patent Asbestos Hinged Pad Leather Laced They have the Original Reach Patent Leather Lacing Device.

Per Dozen

No. 3BG— ..... **$98.00** ---- ----

One in a box. Weight, per dozen, about 18 pounds.



RETAIL PRICE	Each
No. C	$4.00

PROFESSIONAL MODEL

Made of Brown Reaco Calfskin. Patented Lacing Device Laced Thumb Leather Bound Inside Hump. Deep Pocket. Patented, Hinged, Asbestos Felt, Hand Formed Pad Adjustable Leather Strap from Thumb to Body of Mitt. Laced All Around. Strap and Buckle at Wrist.

Per Dozen

No. C—Men's Size ..... **$80.00** ---- ----

One in a box. Weight, per dozen, about 15 pounds

RETAIL PRICES	Each
No. D	$4.00
No. 3	4.00

SPECIAL MODEL

Made of Drab Reaco Buckskin. Slightly longer than No 3. Patented Lacing Device All Around. Laced Thumb. Leather Bound. Inside Hump. Deep Pocket. Patented, Hinged, Asbestos Felt, Hand Formed Pad. Adjustable Leather Strap from Thumb to Body of Mitt. Strap and Buckle at Wrist.

Per Dozen

No. D—Men's Size ..... **$80.00** ---- ----

One in a box. Weight, per dozen, about 17 pounds.

SPECIAL MODEL

Made of Drab Reaco Buckskin. Patented Lacing Device Laced Thumb. Leather Bound Inside Hump. Deep Pocket. Patented, Hinged, Asbestos Felt, Hand Formed Pad. Adjustable Leather Strap from Thumb to Body of Mitt. Strap and Buckle at Wrist.

Per Dozen

No. 3—Men's Size ..... **$78.00** ---- ----

One in a box. Weight, per dozen, about 15 pounds.

Reach Mitts are endorsed by the prominent players of all Leagues. Made in Rights and Lefts.

Genuine Reed Suites

Shipment on special finishes requires about two weeks. Shipped from Chicago.

No. **A-21/3S** Three-Piece Suite. Genuine reed Chair, rocker and 40 in. settee. Choice of any fancy finish covered in best grade cretonne **$ 85.00**
No. **A-21/3S** Seven-Piece Suite, complete as shown in fancy finish and best grade cretonne. Price **$235.00**

No. **A-21 3S** Chair or Rocker. Seat, 18x19 in. Height of back
'A' grade cretonne. Price **$24.00**
'A' grade tapestry or velour. Price **28.50**
No. **A-21 3S** Settee, 40 in. Depth of seat
'A' grade cretonne. Price **$42.50**
'A' grade tapestry or velour. Price **55.00**

No. **A-21 3S** Reed Wardrobe. Length
'A' grade cretonne. Price **$67.00**
'A' grade tapestry or velour. Price **82.00**
No. **AR-21 3S** Dresser, 34 in. **17.50**
No. **6030-1/3S** Table Lamp (shade, 18 in.). Price **21.00**
No. **3747-36/3S** Cane and Stand. Price **23.50**

No. **A-17/3S** Three-Piece Suite. Genuine reed Chair, rocker and 48 in. settee. Choice of any fancy finish covered in best grade cretonne **$138.00**
No. **A-17/3S** Eight-Piece Suite, complete as shown, in fancy finish and best grade cretonne. Price **294.00**

No. **A-17/3S** Chair or Rocker. Seat, 21x18. Height of back
'A' grade cretonne. Price **$35.00**
'A' grade tapestry or velour. Price **39.50**
No. **A-17/3S** Settee, 48 in. Depth of seat, 18 in. Height of back
'A' grade cretonne. Each **67.00**
'A' grade tapestry or velour. Price **81.00**

No. **A-17 3S** Chaise Lounge. Seat, 21x18. Width of frame, 24 in.
'A' grade cretonne. Price **$67.00**
'A' grade tapestry or velour. Price **77.00**
No. **A-17 3S** Dresser, 34 in. **18.10**
No. **61026/3S** Floor Lamp. Price **53.50**
No. **A-17/3S** Table. Price **18.75**
No. **A-17/3S** Pennery. Price **13.80**

Upholstered Pieces in These Suites Have SPRING FILLED CUSHIONS on Spring Seat Frame. Bottom of Each Leg Fitted with Metal Glide. None but Genuine American Reed Used NO EXTRA CHARGE FOR FANCY FINISH. SEE LIST OF STANDARD FANCY FINISHES BELOW

List of standard finishes—Frosted Brown, Frosted Blue, Old Ivory, Putty Grey, Frosted Ebony or Blue and Gold.

DO NOT FAIL TO STATE FINISH WANTED.

Genuine Reed Suites

On account of suites being finished to order it usually requires two weeks to ship. F. O. B. Chicago.

No. **A-1/39** Three-Piece Suite. Genuine reed. Chair [illegible] and 48 in. settee. Choice of any fancy finish. Covered in best grade cretonne. . $162.50
No. **A-1/39** Eight-Piece Suite, [illegible]plete as shown. [illegible] and best grade cretonne. Price. 436.00

No. **A-1/39** Chair or Rocker. Seat, 19x19 in. Height of back [illegible]
[illegible] cretonne. Price 41.50
[illegible] 43.00
No. **A-1 39** [illegible] . . . . . Height of back [illegible] 73.50
[illegible] $80.00
[illegible] 90.50

No. **A-1 39** [illegible] Width, 30 in. Length. $85.00
[illegible] grade cretonne. Price 98.00
[illegible] 30.00
No. **AB 1 39** [illegible] 73.50
No. **8304 10 39** [illegible] 31.00
No. **8021 5 39** [illegible] 35.00
No. **3778-36/39** Bird Cage and Fernery. Price. 35.00

No. **A-28/39** Three-Piece Suite. Genuine reed [illegible] Choice of any fancy finish. Covered in best grade cretonne [illegible] $345.00
F. O. B. Chicago [illegible] 430.00
No. **A-28/39** Nine-Piece Suite, complete as shown [illegible] and best grade cretonne. Price. 120.00

No. **A-28/39** Chair or Rocker. Seat, 20x19 in.; height of back, 24 in.
[illegible] $67.50
[illegible] 68.00
No. **A-28 39** Settee, [illegible] back, 23 in.
[illegible] cretonne. Price $119.00
[illegible] tapestry or velour 130.00
No. **A-28 39** Chaise Lounge. S[illegible] $111.00
[illegible] . . . . . [illegible]

"A" grade tapestry or velour. Price 120.00
No. **A-28/39** Tray Rest, Width 36 in. length $120.00
"A" grade cretonne. Price 130.00
"A" grade tapestry or velour. Price 55.00
No. **A-28/39** Table, 24x42 in. . . . . Price 46.00
No. **6036-6/39** Table Lamp (shade [illegible] Price 48.50
No. **6462-12 39** [illegible] 16.50
No. **3710 39** [illegible] . . . . . None

Upholstered Pieces in These Suites Have SPRING FILLED CUSHIONS on Spring Seat Frame. Bottom of Each Leg Fitted With Metal Glide.
but Genuine American Reed Used. NO EXTRA CHARGE FOR FANCY FINISH. SEE LIST OF STANDARD FANCY FINISHES BELOW

List of standard finishes—Frosted Brown, Frosted Blue, Old Ivory, Putty Grey, Frosted Ebony or Blue and Gold.

DO NOT FAIL TO STATE FINISH WANTED.

Finest Quality Fibre

Shipped from Michigan factory. No extra charge for fancy finishes—Frosted Brown or Blue, Dark Blue, Black or Light Green.

No. 1710 /40 Complete Suite. Five pieces as shown. (Old ivory finish.) $212.00
No. 1710A 40 Three-Piece Suite. 39 in settee, chair and rocker 148.50
No. 1710B 40 39 in Settee . . . . 368.00 No. 1710C 40 Chair . . . . 40.50 No. 1710D 40 Rocker 40.50
No. 2021 /40 Table . . . . 18.00 No. 1710F 40 Table Lamp, 18 in. shade 46.00

Suite as listed is of full spring (Marshall) construction and upholstered with imported cretonne. Chair seats, 19x19 in. Settee 39 in. Table top, 24x24 in.

No. 1926 40 Complete Suite. Four pieces as shown. (Old ivory finish.) $138.40
No. 1926A 40 Three-piece Suite. 39 in. settee, chair and rocker 121.00
No. 1926B 40 39 in Settee . . . . $54.00 No. 1926C 40 Chair . . . . 33.50 No. 1926D/40 Rocker 33.60
No. 1926-2/40 Table. Top, 24x24 in. . . . 14.20

Suite as shown is upholstered in imported cretonne and of full spring (Marshall) construction. We can also supply all suites upholstered with tapestry or velours at prices according to grade.

NOTE—We ship old ivory finish unless otherwise instructed. Furniture shipped according to order cannot be returned except with our consent.

Genuine Reed Novelties

Shipped from our Chicago warehouse. Special finishes require about two weeks' time.

COMBINATION FERN STAND, AQUARIUM AND BIRD CAGE

A new and straight, beautiful ornamental 37 in. high, fernery 14 in. long, 8 in. deep, 9 in. wide. Bird cage with seed cups and removable bottom suspended above the aquarium.

No **S3765-38/41** Complete, as shown **$71.50**

All Goods on this page shipped ivory unless otherwise ordered

REED BRIDGE LAMP

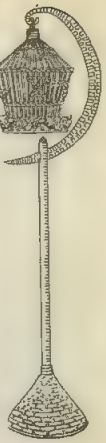
No **6402-12 41** Height 48 in., diameter of shade, 13 in., silk lined, Duchess fringe. Price . . . **$48.50**

REED PLANT STAND

Height, 24 in., diameter of top, 14 in. No **S5119 41** Price in any finish . . . **$14.50**

REED PLANT STAND

Height, 38 in., diameter of top, 14 in. No **S3710 41** Price in any finish . . . **$16.50**



REED BIRD CAGE AND STAND

No. **S3722-15 41** Price, complete in any finish . **$45.70**

REED TABLE LAMP

Height 25 in., diameter of shade 16 in., silk lined, 16 in. silk fringe.

No **S6034-8/41** Price . **$48.00**

BASSINETTE No. S1001

28½ in. high, 18 in. wide, 35 in. long. Willow body. Rubber tired Dutch wheels. With hood bows.

No **S1001 41** **$26.50**

NURSERY WARDROBE

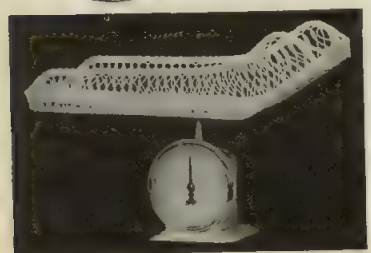
White or Ivory. Saves many steps for the mother in caring for the baby. Covered with flowered cretonne and will find a ready item in all dressing.

No **S654 41** Nursery Wardrobe. Price . . . **$32.25**

REED BIRD CAGE AND STAND

Height 75 in.

No **S3747-15 41** Price, complete in any finish **$25.50**



NURSERY SCALE AND BASKET No. 202—THE UNPARALLELED

One of the most popular scale baskets yet designed. Beautiful artistic reed work. Basin trimmed. Furnished with enamel pad 25 in. long, 11 in. wide.

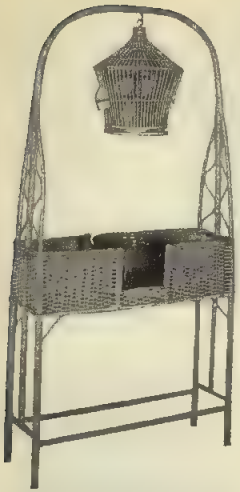
No **S202 41** Nursery Scale. **$18.10**

FERN STAND

A closet, woven, frosted brown stand. 24 in. high, 29 in. long, 9 in. wide and 8 in. deep.

No **3764/41** **$16.65**

Reed and Fibre Novelties



COMBINATION BIRD CAGE, AQUARIUM AND FERNERY

This is our newest design. Your attention is directed to the fact that it is well built—practical, ornamental and it has two galvanized pans and one round aquarium all of which are easily removed
No. 3774-38/42 Price $41.00

FERN STAND

Nothing more beautiful in a fernery is offered today. The weaving is unusual, and the sides and ends are beautifully decorated with compusition decorations which harmonize with the design, and finish of the fernery. Height 34 in., length 30 in. equipped with galvanized pan. The legs and braces are reed wrapped
No. 3705 42 Price.. ... ... $35.00

COMBINATION FERNERY AND BIRD BATH

An exceptional value in a close woven reed fernery. Complete with metal pan. Large willow bird cage, fitted with feed cups and removable pan. Height, 70 in., length, 39 in.; width, 9 in.; depth, 8 in.
No. 3764 42 Each.. .....$39.00

REED FERN STAND

Closely woven fern stand with a dowel top. Length, 30 in.; height, 34 in.; width, 9 in.; depth, 8 in. Galvanized pan included
No. 3760/42 Price. $14.00

FOUNTAIN. No. 55/42.

Electric Fountain. Fibre stand 35 in. high 25 in. in diameter. Four pockets with liners for flowers. Fountain is self-contained. It is also illuminated and very attractive
No. 55/42 Fountain $160.00
Flowers as shown, extra .. 15.00

Electric Fountains

For Dining Room, Sun Parlor or Living Room Decoration

No plumbing necessary. Can be set up in ten minutes. Just pour in a bucket of water, insert the plug into any light socket connection, turn on the current and you have a beautiful fountain effect. The same water is used over and over, circulation being gained by means of a concealed centrifugal pump operated by a General Electric motor. The consumption of power is about equal to that of a 100 watt lamp.

FOUNTAIN. No. 45/42.

Fountain. A beautiful table fountain 25 in. in diameter. Has a woven base decorated with hand tinted mountings, and may be finished in any desired color. Equipped with art glass, splash ring
No. 45/42 .....
$140.00

The finishes for the articles shown above are as follows: Old ivory, frosted brown, blue and gold, French gray, midnight blue. Unless the finish is specified, old ivory will be sent as shown.

Genuine Reed Furniture

Suitable for Any Room in Your Home

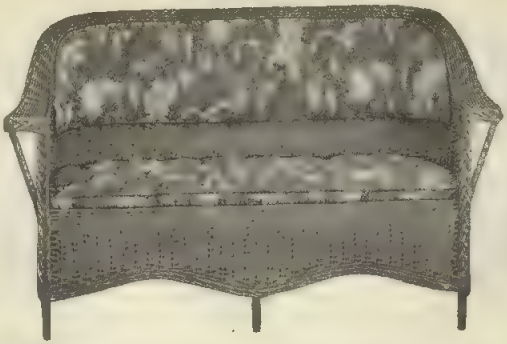
Prices quoted are for one color finishes:

Brown, Green,
Yellow, Gray,
White, Blue,
Black, Cream.

Two color finishes:

Old Ivory,
Frosted Black,
Frosted Brown,
Frosted Green,
Blue and Gold,
Brown and Gold,

can be furnished at a slight additional cost



REED SETTEE

Reed Settee that is 48 inches between the arms at seat Height of back, 20 inches Is hand woven and has loose cushion seat and upholstered back, wide arm rests. State finish desired

No 128-E4½G/48 Cretonne covering. . $82.00

No. 128-E4½K/48 Tapestry covering . . $92.00

No. 128-E4½L/48 Velour covering $97.00

REED ROCKER

Height of back, 21 inches; width of seat, 21 inches Hand woven, loose cushion seat and upholstered back, wide arm rests State finish desired.

No. 128-D4½G/48 Cretonne covering . $39.00

No 128-D4½K/48 Tapestry covering. . $44.00

No 128-D4½L/48 Velour covering . . $46.00

REED ARM CHAIR

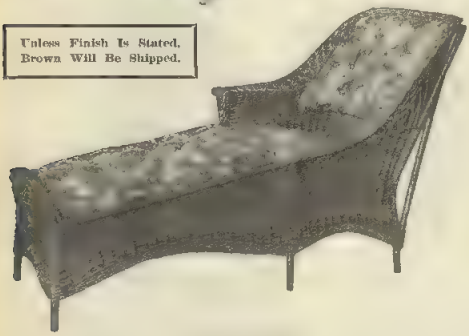
Height of back, 21 inches; width of seat, 21 inches Hand woven, loose cushion seat and upholstered back, wide arm rests. State finish desired.

No 128-C4½G/48 Cretonne covering . $39.00

No 128-C4½K/48 Tapestry covering. . $44.00

No 128-C4½L/48 Velour covering . . $46.00

Unless Finish Is Stated, Brown Will Be Shipped.



CHAISE LOUNGE

A roomy, comfortable Chaise Lounge with loose cushion seat and upholstered back. Length of seat is 51 inches. Height of back, 27 inches You will derive a lot of comfort from this piece besides adding much to the appearance of any room it may be placed in. State finish desired.

No 128-CLG/48 Cretonne covering. Price $88.00
No 128-CLK/48 Tapestry covering. Price 96.00
No. 128-CLL/48 Velour covering. Price 99.00

ROUND REED TABLE

A splendid Round Reed Table with solid oak top and shelf. Height, 28½ inches; diameter of table, 31 inches Use it on the porch in the summer, in the den, living room or sun parlor in the winter. State finish desired

No. 141/48 Price $33.00

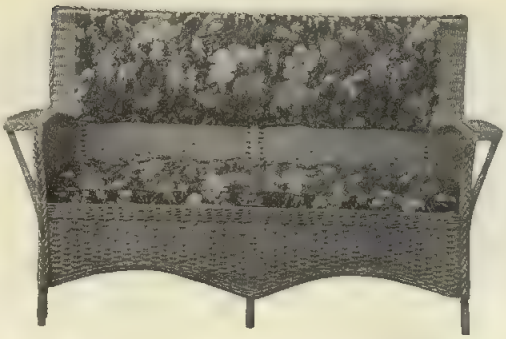
ALL PRICES NET

Genuine Reed Upholstered Furniture

Prices quoted are for one color finishes
Brown, Green,
Yellow, Blue,
Gray, White,
Black, Cream,

—

Two color finishes:
Old Ivory,
Frosted Black,
Frosted Brown,
Frosted Green,
Blue and Gold,
Brown and Gold,
can be furnished at a slight additional cost



REED SETTEE

Our finest Reed Settee Length, 48 in. between arms; height of back, 23 in. Has loose cushion seat and upholstered back Hand woven. Quality and price considered it represents one of the big values of the year.

No. 162-E4½G/44 Cretonne covering..$80.00

No. 162-E4½K/44 Tapestry covering..$90.00

No. 162-E4½L/44 Velour covering...$94.00

REED ROCKER

A high back, easy Comfort Rocker or Arm Chair to match Width of seat 21 in Height of back, 39 in Is of ample size, with loose cushion seat and pillow head rest

Rocker

No 108 D4½G/44 Cretonne covering ..$41.00
No. 108-D4½K/44 Tapestry covering..$48.00
No 108-D4½L/44 Velour covering $52.00

Chair

No. 108-C4½G 44 Cretonne covering $41.00
No 108-C4½K 44 Tapestry covering $49.00
No 108-C4½L 44 Velour covering ...$52.00

REED CHAIR

A wonderfully attractive Reed Chair or Rocker to match. The back is of medium height, 21 in and the seat 21 in. wide. The best judges of furniture have pronounced it one of the greatest values possible to secure

Chair

No 162-C4½G/44 Cretonne covering..$36.00
No. 162-C4½K/44 Tapestry covering ..$41.00
No 162-C4½L/44 Velour covering $43.50

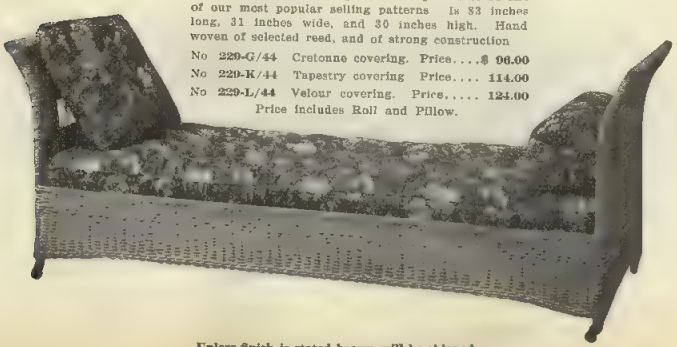
Rocker

No 162-D4½G/44 Cretonne covering..$38.00
No. 162-D4½K/44 Tapestry covering $41.00
No 162-D4½L 44 Velour covering $43.50

REED DAY BED

The use of Day Beds is becoming more general every day, and this handsome pattern has proved to be one of our most popular selling patterns Is 83 inches long, 31 inches wide, and 30 inches high. Hand woven of selected reed, and of strong construction

No 229-G/44 Cretonne covering. Price....$ 96.00
No 229-K/44 Tapestry covering Price.... 114.00
No 229-L/44 Velour covering. Price..... 124.00
Price includes Roll and Pillow.



Shipped F. O. B. Chicago Stock

Unless finish is stated brown will be shipped.

Genuine Reed Furniture

WILL BEAUTIFY YOUR HOME AT A SMALL COST.

Shipped brown finish from Chicago unless otherwise ordered.

REED FERN STAND

Hand woven, genuine Reed Fern Stand. Height, 33 in.; length 30 in.; width 11 in. Complete with self watering metal pan. State finish desired

No. 169/45 Price $20.50

REED SETTEE

An inexpensive Reed Settee that is 48 in. between the arms at seat. Height of back 32 in. Has loose cushion on reed seat and upholstered comfortable back. Hand woven. State finish desired.

No. 294D2G/45 Cretonne covering $69.00
No. 294D2K/45 Tapestry covering 69.00
No. 294D2L/45 Velour covering 72.00

REED ROCKER

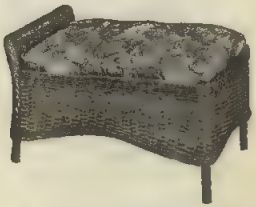
A loose cushion on reed seat, genuine Reed Rocker, with upholstered back. Width of seat 18 in., height of back, 32 in. State finish desired.

No. 294D2G/45 Cretonne covering $21.00
No. 294D2K/45 Tapestry covering 25.50
No. 294D2L/45 Velour covering 26.50

Chair to match.

REED CHAIR

No. 294C2G/45 Cretonne covering $21.00
No. 294C2K/45 Tapestry covering 25.50
No. 294C2L/45 Velour covering 26.50



A comfortable, plain and well made Ottoman. Made of genuine reed and fitted with an upholstered cushion pad.

No. 187-1G 45 Cretonne $20.00
No. 187-1K 45 Tapestry 22.00
No. 187-1L/45 Velour 23.00

Prices quoted are for one color finishes:

Brown, Green, Yellow, Gray, White, Blue, Black, Cream.

Two color finishes:

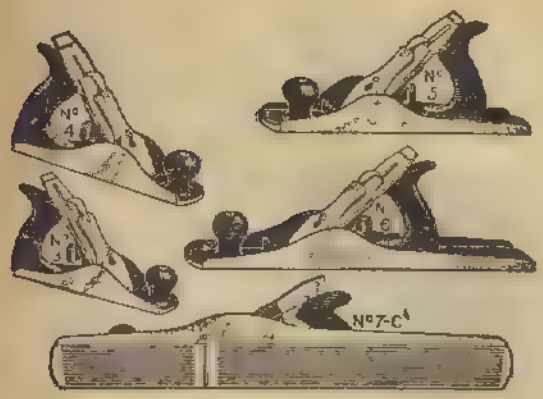
Ordinary, Frosted Black, Frosted Brown, Frosted Green, Blue and Gold, Brown and Gold,

can be furnished at a slight additional cost.

This Settee is made of genuine reed throughout. Upholstered in cretonne, tapestry or velour. It is 72 inches long.

No. 162F4½G/45 Cretonne..... $130.00 No. 162F4½K/45 Tapestry..... $132.00 No. 162F4½L/45 Velour..... $140.00

Chair and Rocker made to match. Write us for Prices.



PLANES

"BAILEY" ADJUSTABLE IRON

The handle and knob are made of highly finished, thoroughly seasoned rosewood. The English steel cutter is tempered, ground and honed, ready for use, is adjustable both endwise and sidewise, and bedded to the heel of bevel. The width of mouth can be varied by changing the setting of the frog. Bottoms, either flat or corrugated—see cut 7C—as desired.

Flat Bottom	Corrugated Bottom	Type	Length	Cutter	W't	Each
No. 1		Smooth	5½ in.	1⅛ in.	1¼ lbs.	$3 60
No. 2		Smooth	7 in.	1⅜ in.	2¼ lbs.	4.90
No. 3	No. 3 C	Smooth	8 in.	1¾ in.	3⅛ lbs.	5 40
No. 4	No. 4 C	Smooth	9 in.	2 in.	3¾ lbs.	5 90
No. 4½	No. 4½C	Smooth	10 in.	2⅜ in.	4¼ lbs.	6 75
No. 5¼	No. 5¼C	Jr.Jack	11½ in.	1¾ in.	4 lbs.	6 05
No. 5	No. 5 C	Jack	14 in.	2 in.	4¾ lbs.	6 75
No. 5½	No. 5½C	Jack	15 in.	2¼ in.	6¾ lbs.	7 60
No. 6	No. 6 C	Fore	18 in.	2⅜ in.	7¾ lbs.	8 70
No. 7	No. 7 C	Jointer	22 in.	2⅜ in.	8½ lbs.	9.90
No. 8	No. 8 C	Jointer	24 in.	2⅜ in.	9¾ lbs.	11.80

ONE IN A BOX

"BAILEY" WOOD

These planes are made for those wanting a wood bottom plane of superior quality. Made of specially selected, well seasoned Beech. The cutters are the celebrated Bailey cutters and are adjustable both endwise and sidewise.

	Type	Length	Cutter	W't	Each
No. 24	Smooth	9 in.	2 in.	2⅞ lbs.	$4.60
No. 26	Jack	15 in.	2. in.	3⅜ lbs.	4.70
No. 27½	Jack	15 in.	2¼ in.	4⅛ lbs.	5.50
No. 28	Fore	18 in.	2⅜ in.	5⅛ lbs.	6.00
No. 31	Jointer	24 in.	2⅜ in.	6½ lbs.	6.50
No. 32	Jointer	26 in.	2⅜ in.	7⅜ lbs.	6.90
No. 35	Handle Smooth	9 in.	2 in.	3½ lbs.	5.30

ONE IN A BOX

STANLEY "BED ROCK"

For fine work on hard and knotty wood, this plane surpasses all others.

The cutter, frog and bottom are so machined and fitted that they are practically one solid piece of metal, thus preventing any chance of vibration.

The frog travels in a groove, ensuring it being square with the mouth of the plane, and preventing shifting or "wobbling."

The width of the mouth can be regulated by use of a screw driver as shown in the cut, without removing the cutter and lever.

The cutters are made of the best English steel and are adjustable both endwise and sidewise.

The shape of the sides, a distinctive feature, adds greatly to the strength of the plane.

The handles and knobs are of rosewood and finely finished.

Bottoms either flat or corrugated (see No. 606C) as desired.

Flat Bottom	Corrugated Bottom	Type	Length	Cutter	W't	Each
No. 602		Smooth	7 in.	1⅝ in.	2¼ lbs.	$5.40
No. 603	No. 603 C	Smooth	8 in.	1¾ in.	3½ lbs.	5 90
No. 604	No. 604 C	Smooth	9 in.	2 in.	3⅝ lbs.	6.50
No. 604½	No. 604½C	Smooth	10 in.	2⅜ in.	4¾ lbs.	7.45
No. 605	No. 605 C	Jack	14 in.	2 in.	4½ lbs.	7.40
No. 605½	No. 605½C	Jack	15 in.	2½ in.	6½ lbs.	8 40
No. 606	No. 606 C	Fore	18 in.	2⅜ in.	7⅛ lbs.	9.50
No. 607	No. 607 C	Jointer	22 in.	2⅜ in.	8⅝ lbs.	10.90
No. 608	No. 608 C	Jointer	24 in.	2⅜ in.	9⅝ lbs.	13.00

ONE IN A BOX

STANLEY PLANES

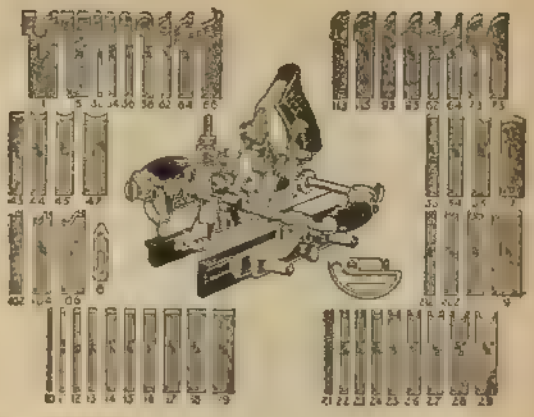
BEADING, CENTER, PLOW, DADO, RABBET, FILLISTER, MATCH, SASH, SLITTING AND MOULDING

THE MOST COMPLETE STANLEY SET

Will accomodate cutters of almost any shape and size. All metal parts nickel plated, handle and fences of selected rosewood, all parts well finished.

No. 55—Length 10 in., w't 15¼ lbs., complete with 52 cutters, each $39.00

ONE IN A BOX



BEADING, CENTER BEADING, PLOW, DADO, RABBET, FILLISTER, MATCH PLANE, SASH AND SLITTING

Seven beading tools, ¼ in., 5/16 in., ⅜ in., 7/16 in., ½ in., 9/16 in. and ⅝ in., ten plow and dado bits—⅛ in., 3/16 in., ¼ in., 5/16 in., ⅜ in., 7/16 in., ½ in., ⅝ in., ¾ in. and ⅞ in., a tonguing tool, a sash and a slitting cutter, are regularly furnished.

Each plane has an adjustable fence, a depth gauge, spurs for use across the grain, a cam leveling or steading rest and can be used either right or left hand.

No. 45—Nickel plated, with twenty tools ..... each $19.80

Extra Bottoms and Cutters.

By substituting special bottoms for the sliding section, cutters as follows may be used. Special bottom required for each cutter. Prices of hollows and rounds include two cutters and two bottoms, of nosing tool, one cutter and one bottom.

No. 6—Hollow and round ½ in. cutters work ¾ in. circle, per pair $3.00

No. 8—Hollow and round ⅝ in. cutters work 1 in. circle, per pair 3.00

No. 10—Hollow and round ¾ in. cutters work 1¼ in. circle, per pair 3.30

No. 12—Hollow and round 1 in. cutters work 1½ in. circle, per pair 3 30

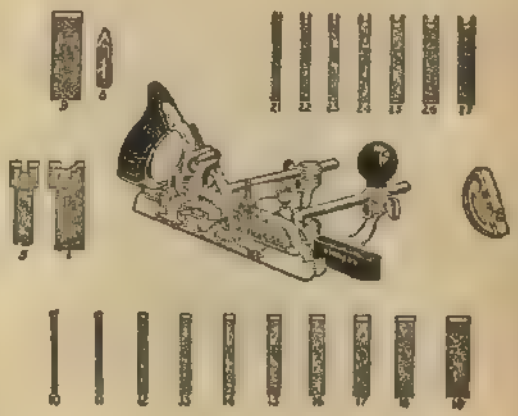
No. 5—Nosing tool, 1¼ in. cutters work 1½ in. circle ..... each 2 40

Extra Cutters, 20 tool bites, etc. ..... per set 10.00

Extra Spurs ..... per dozen .96

Extra Screws ..... per dozen .96

ONE IN A BOX



PLOW, BEADING AND MATCHING

For light work, consists of a main stock with metal handle, carrying a spur and a depth gauge and forming a support for one side of cutter, a sliding section carrying a spur and forming a support for other side of cutter, a fence with a 5 inch adjustment.

The cutters comprise 7 plow and dado bits—⅛, 5/16, ⅜, 7/16, ½, ⅝ and ¾ inch, 7 beading tools, ¼, 5/16, ⅜, 7/16, ½, 9/16 and ⅝ inch, and a ¼ inch tonguing tool.

No. 50—Nickel plated, length 9¼ inches, 15 cutters, w't 8¼ lbs., each $10.90

ONE IN A BOX

PLOW, DADO, FILLISTER AND MATCHING

Skew cutters are the feature of this plane, main stock carries a spur, depth gauge, slitting cutter, sliding section carrying a spur forming an extra sole for the plane. Rosewood handle and knob.

Cutters comprise 8 plow and dado bits—5/16, ¼, 5/16, ⅜, ½, ⅝, ¾, 1¼ in., 1½ in. fillister cutter, ¼ in. tonguing tool and slitting cutter.

No. 46—Nickel plated, length 10½ in., 11 cutters, w't 5¾ lbs., each $14.00

ONE IN A BOX

SIEGLEY AND STANLEY PLANES

SIEGLEY ADJUSTABLE IRON
SMOOTH

Corrugated Bottom.

Nos.	4S	4½S
Length, in.	9	10
Cutter, in.	2	2¼
W't each, lbs.	2¾	3¼
Each	$5.50	6.40

ONE IN A BOX

JACK

Corrugated Bottom.

Nos.	5S	5½S
Length, in.	14	15
Cutter, in.	2	2¼
W't each, lbs.	3½	4¼
Each	$6.40	7.30

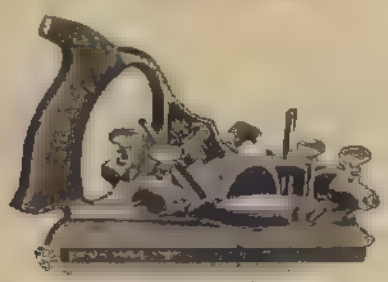
ONE IN A BOX.

FORE AND JOINTER

Corrugated Bottom.

Nos.	6S	7S	8S
Style	Fore	Jointer	
Length, in.	18	22	24
Cutter, in.	2¼	2¾	2¾
W't each, lbs.	4¾	5½	6½
Each	$8.30	9.50	11.20

ONE IN A BOX



Combination.

No. 2S—9 in., nickel plated combination carpenters plow and dado with slide and center beading plane, 9 plow cutters, 3/16, ¼, 5/16, ⅜, 7/16, ½, ⅝, ¾ and ⅞ in., 7 beading tool, ¼, 3/16, ⅜, 5/16, ⅜, 7/16 and ½, in., 2 in. match cutter and sash tool, w't 7½ lbs. ....each $15.70

ONE IN A BOX

STANLEY CIRCULAR

No. 113—10 in., adjustable, 1¾ in. cutter, w't 8½ lbs., each $9.50

ONE IN A BOX

VICTOR, 10 in. adjustable, 1¾ in. cutter, w't each 4 lbs.

No. 20—Japanned .....each $11.70

ONE IN A BOX

STANLEY IMPROVED SCRUB

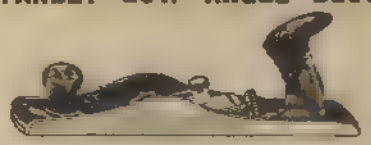
N°40

This tool has a single iron with cutting edge rounded, and is particularly adapted for roughing down work before using jack or other planes.

Nos.	40	40½
Length, in	9½	10½
Cutter, in.	1⅛	1⅝
Each	$3 10	4.20

ONE IN A BOX

STANLEY LOW ANGLE BLOCK



The construction of this plane is such that it is especially adapted for use in cutting across the grain on heavy work, where more power is required than can be obtained by use of the ordinary block plane. The plane is fitted with an adjustable throat, which enables the user to work equally well on hard or soft wood.

No. 62—14 in., 2 in. cutter, w't 4 lbs. ....each $7.20

ONE IN A BOX

"BAILEY" BLOCK PLANES

With Throat and Lateral Adjustments.

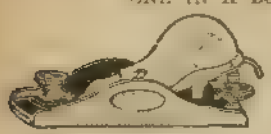
JAPANNED CAP

Nos.	9½	15
Length, in.	6	7
Cutter, in.	1⅝	1⅝
W't each, lbs.	1¼	1⅜
Each	$2 90	3.10

NICKEL PLATED CAP

Nos.	16	17
Length, in.	6	7
Cutter, in.	1⅝	1⅝
W't each, lbs.	1¼	1⅜
Each	$3.30	3.60

ONE IN A BOX



Knuckle joint with throat and lateral adjustment.

NICKEL PLATED CAP

The knuckle joint in the cap makes it a lever, too; and placing the cap in position, will also clamp the cutter securely in its seat.

[illegible]	18	19
Length, in.	6	7
Cutter, in.	1⅝	1⅝
W't each, lbs.	1¼	1½
Each	$3.80	4.10

ONE IN A BOX

Low Angle.

JAPANNED CAP

No. 60—Nickel plated cap, length 6 in., cutter 1⅝ in., w't each 1¼ lbs., each $3.40

Nos.	60½	65½
Length, in.	6	7
Cutter, in.	1⅝	1⅝
W't each, lbs.	1¼	1¼
Each	$3.10	3.30

No. 61—Nickel plated cap, length 6 in., cutter 1⅝ in., **rosewood knob,** w't 1¼ lbs. ..... each $2.90

ONE IN A BOX

NICKEL PLATED CAP

No.	65
Length, in.	7
Cutter, in.	1⅝
W't each, lbs.	1½
Each	$4.00

ONE IN A BOX

BAILEY BLOCK PLANES

This plane has two slots and a movable cutter seat. When it is desirable to use it as a bull nose plane, the adjustable cutter seat can be reversed as indicated in cut.

No. 131—Double end, 8 in., 1⅝ in. cutter, w't 1½ lbs. ..... each $3.60

ONE IN A BOX

STANLEY BLOCK PLANES

No. 101—3½ in., 1 in. cutter, w't 4½ oz., each $0.55

ONE IN A BOX

No. 103.

No. 102—5½ in., 1⅝ in. cutter, w't ¾ lb., each $1.10

No. 103—5½ in., adjustable, 1⅝ in. cutter, w't ¾ lb. ..... each $1.50

ONE IN A BOX

No. 110—7 in., 1⅝ in. cutter, w't 1¼ lbs. ..... each $1.50

ONE IN A BOX

No. 130—8 in., double-ender, 1⅝ in. cutter, w't 1½ lbs. ..... each $2.20

ONE IN A BOX

No. 220—7 in. adjustable, 1⅝ in. cutter, w't 1½ lbs. ..... each $2.20

ONE IN A BOX

No. 203—Screw adjustment, rosewood knob, length 5½ in., 1⅜ in. cutter, w't ¾ lb. ..... each $1.90

ONE IN A BOX

CABINET MAKERS' EDGE PLANES

A useful tool for piano makers and all cabinet workers, for trimming inside work where space prevents use of any other plane.

No. 97—10 in., 2½ in. cutter, w't 3¾ lbs., each $5.60

ONE IN A BOX

BAILEY VENEER SCRAPERS

No. 12 takes the same cutter as No. 112 Scraper Planes. For many kinds of work, its peculiar form is of great advantage.

Nos.	Iron. Wd. 12	Fce. 12½
Length, in.	6½	6½
Cutter, in.	3	3
W't each, lbs.	3½	3½
Each	$6.20	8.40

Extra Cutters ..... each $0 65

ONE IN A BOX

STANLEY SCRAPER PLANES

No. 112—9 in. adjustable, 3 in. cutter, with 1 scraper blade, w't 4 lbs., each $5 50

Extra Cutters, for scraping, each $0 65

Extra Cutters, for toothing, Nos. 22, 28, 32—22, 28 or 32 teeth each $0 90

ONE IN A BOX

BULL NOSE RABBET PLANES

No. 75—4 in., iron stock, 1 in. cutter, w't 8 oz., each $0 95

STANLEY EDGE TRIMMING PLANES

No. 95—6 in., ⅞ in. cutter, japanned. w't each 1¼ lbs. ..... each $2 40

ONE IN A BOX

STANLEY ADJUSTABLE PLANES

TONGUING AND GROOVING

Nickel plated iron stock and face, including tonguing and grooving tools.

The fence is set in a center pivot and can be swung around and locked either way. Set one way it exposes two cutters for cutting the tongue and when reversed leaves only one exposed for making the groove.

No. 48—8¾ in., for ⅜ to 1¼ in. boards, w't 3 lbs. .....each $6 80

No. 49—8 in., for ⅛ to ⅜ in. boards, w't 2½ lbs. .....each $6.80

ONE IN A BOX

DOUBLE END MATCH

Nickel Plated.

Provided with both tongue and groove irons. With one side a tongue can be cut, and by reversing ends, the plane will cut a groove to fit.

No. 146—Matches ⅝ in. boards, cuts groove ¼ in., w't 1½ lbs., each $5.10

No. 147—Matches ⅞ in. boards, cuts groove 3/16 in., w't 2 lbs., each $5.45

No. 148—Matches ⅛ in boards, cuts groove ¼ in., w't 2¾ lbs., each $5 75

ONE IN A BOX

RABBET AND FILLISTER

The sides and bottom being square with each other, the planes will lie perfectly flat on either side. Adjustable fence slides under bottom to regulate width of cut. Has one spur on each side and adjustable depth gauge. Is suitable for either right or left hand work. The front part of plane can be easily detached thus providing a bull nose plane.

No. 278—Japanned iron stock and fence, 6¾ in. long, 1 in. cutter, w't 2 lbs. .....each $4.10

ONE IN A BOX

IMPROVED RABBET

Iron stock, length 8 in., with depth gauge.

WITH SPUR

This plane will lie perfectly flat on either side, and can be used with right or left hand equally well, while planing into corners or up against perpendicular surfaces.

Nos.	190	191	192
Cutter, in.	1⅛	1½	1
W't, lbs.	2½	2½	2
Each	$3.80	3.35	3.30

ONE IN A BOX

DUPLEX RABBET AND FILLISTER

This plane has two seats for the cutter, one for regular work and the other where a bull nose is required. Has spur and removable depth gauge. Adjustable fence can be used on either side and slides under the bottom regulating width of cut. To use as rabbet plane, remove fence and arms.

No. 78—8¾ in. iron stock and fence, 1⅛ in. cutter, w't 3 lbs., each $4.20

ONE IN A BOX

SKEW CUTTER, FILLISTER AND RABBET

The fence and depth gauge can be attached to either side so that the plane can be used equally well for right or left hand work. The adjustable fence slides under the bottom, regulating the width of the cut. By removing arms and fence a skew cutter rabbet plane is obtained.

No. 289—8¾ in., japanned, 1⅝ in. cutter with fence and depth gauge and two adjustable spurs, one on each side, w't 4 lbs. .....each $4.90

ONE IN A BOX

WOODWORKERS' ROUTER

For surfacing the bottom of grooves and depressions parallel with the general surface of the work. The open throat design gives more freedom for chips and a better view of the work and cutter. The latter has an attachment for regulating the thickness of the chip and a second attachment for closing the throat for use on narrow surfaces.

Open Throat.

No. 71—Nickel plated, width 7⅛ in., ¼ and ⅜ in. steel bits, with throat attachment, w't 2½ lbs., each $5 20

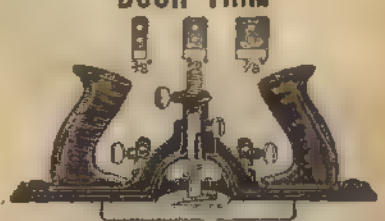
ONE IN A BOX

Closed Throat.

No. 71½—Nickel plated, width 7⅛ in., ¼ and ⅜ in. steel bits, w't 2½ lbs., each $4.10

ONE IN A BOX

DOOR TRIM



This new plane will make mortises for Butts, Face Plates, Strike Plates, Escutcheons, etc., without the use of a butt gauge or chisel. Cutter can be set to work from either end of the plane or across it. Spring prevents taking a heavier chip than can be easily carried.

No. 171—11 in., japanned, nickel plated trimmings, rosewood handles, 3 forged steel cutters, w't 3 lbs. each $7.50

ONE IN A BOX

STANLEY PLANES, BEADERS, ETC.

CARRIAGE MAKERS' RABBET PLANES

Adapted for mining, wagon making and other heavy work.

Flat Bottom.

Nos.	10½	10
Length, in.	9	13
Cutter, in.	2⅛	2⅜
W't, lbs.	3	4½
Each	$6.80	8 20

ONE IN A BOX

SIDE RABBET PLANES

Convenient tools for side-rabbeting and trimming dados, mouldings and grooves of all sorts. A reversible nose piece will give each tool a form by which it will work close up into corners.

No. 98—4 in., nickel plated, right hand, w't 8 oz. .....each $2.80

ONE IN A BOX

No. 99—4 in., nickel plated, left hand, w't 8 oz. .....each $2.80

ONE IN A BOX

UNIVERSAL HAND BEADERS

Very handy for beading, reeding or fluting straight or irregular surfaces and for light routering. The handles are curved to give ample room between the user's hands and the surface of the work.

No. 66—Width 1¼ in., nickel plated stock, 7 steel cutters and 1 blank with 2 gauges for straight or curved work, w't 1¼ lbs, each $2 10

ONE IN A BOX

RABBET AND BLOCK PLANES

The detachable side will easily change this tool from block plane to a rabbet plane and vica versa. The cutter is adjustable end-wise and is set on askew.

No. 140—7 in., with detachable side, 1⅝ in. cutter, w't 1¼ lbs., each $3.80

ONE IN A BOX

IMPROVED DADO

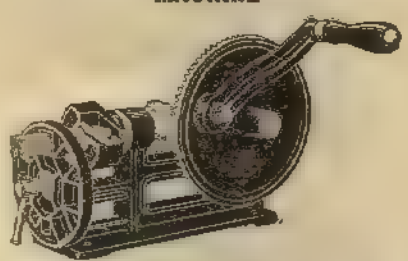
8 Inch, Iron Stock, with Depth Gauge and Two Adjustable Spurs.

Holds true in narrow widths where a wood plane will not. Has a skew cutter and adjustable depth gauge and spurs on each side of plane, thus allowing wear to be taken up and depth of the cut regulated.

Nos.	392	393	394
Cutter, in.	½	⅝	¾
Each	$3.70	3.95	4.20
Nos.	395	396	397
Cutter, in.	⅞	1	1⅛
Each	$4 40	4.60	4.80

ONE IN A BOX

STANLEY DOWEL AND ROD TURNING MACHINE



No. 77—Frame 9 in. long, height 6 in. japanned, malleable frame, 6¼ in. steel gear wheel, adjustable handle, cuts dowels of varying sizes and lengths to perfect dimension and with it one can also form rods of practically any length. Operated by hand. Workman can cut his dowels when ready to use them. For use of cabinet and pattern makers and manual training schools. Complete with one ⅝ in. Cutter head, w't each 13 lbs. .....each $15.30

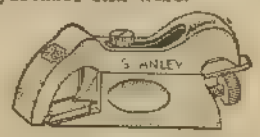
ONE IN A BOX

Extra cutter heads for No. 77 Dowel Machine, sizes ¼, 5/16, 7/16, ½, 9/16, 11/16, ⅝ in. .....each $1.55

ONE DOZEN IN A BOX

CABINET MAKERS' RABBET PLANES

For fine cabinet or other work where extreme accuracy is required. The sides and bottom, being square with each other, the plane will lie perfectly flat on either side and can be worked either right or left hand. They have adjustable throats; this means that the width of the throat opening, or mouth, can be widened or narrowed as coarse or fine work may require. They are also fitted with the side groove or "Handy" grip feature. The cutters are adjustable end-wise.



Nickel Plated, with Adjustable Throat.

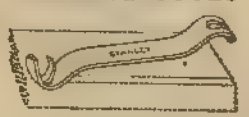
No. 90—4 in., bull nose, adjustable. 1 in. cutter, w't 1 lb. ....each $5.10

Nickel Plated, with Adjustable Throat.

Nos.	92	93	94
Length, in.	5½	6½	7½
Cutter, in.	¾	1	1¼
W't, lbs.	1½	1¾	2
Each	$5.10	6.10	7.10

ONE IN A BOX

CORNERING TOOLS



These tools are used by pattern makers and all wood workers for rounding sharp edges. They have a different size cutter at each end and their form is such that no depth gauge is required.

Nos.	28	29
Size, in.	5¾×⅝	5¾×⅞
Cutters, in.	1/16 & ⅛	¼ & ⅜
W't, lbs.	1½	1½
Per dozen	$5 90	6.20

HALF DOZEN IN A BOX

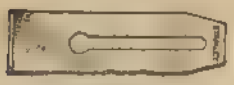
CABINET SCRAPER BURNISHERS

This tool is used to put a smooth finishing edge to a cabinet scraper.

No. 01—Polished oval cast steel blade, wood handle with ferrule, entire length 8½ in., w't per doz. 1¾ lbs., per dozen $7.20

HALF DOZEN IN A BOX

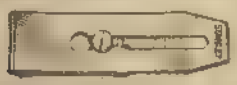
PLANE IRONS



Single.

Width, in.	1⅝	1¾	2
No. 60—Bailey, each	$0.70	.80	.85
No. 60R REVONOC, each		.80	.85
Width, in.....	2⅛	2¼	2⅜	2½
No. 60—Bailey, each ...	$0 90	1.00	1.05	1.10
No. 60R REVONOC, each	$0.90	1.00	1.05	1.10

HALF DOZEN IN A BOX



Double, for Wood Bottom Planes.

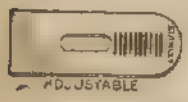
Width, in.	1⅝	2	2⅛
No. 65—Bailey, each	$1.25	1.45	1 50
No. 65R REVONOC, each.	1.25	1.45	1.50
Width, in	2¼	2⅜	2½
No. 65—Bailey, each	$1.60	1.65	1.70
No. 65R REVONOC, each.	1.60	1 65	1.70

Double, for Iron Bottom Planes.

Width, in.	1⅝	2	2⅛
No. 75—Bailey, each	$1.25	1 45	1 60
No. 75R REVONOC, each.	1.25	1.45	1.60
Width, in.	2⅜	2½	
No. 75—Bailey.....each	$1 65	1.70	
No. 75R REVONOC.....each	1 65	1.70	

HALF DOZEN IN A BOX

Block.



Irons, for Bailey planes, Nos. 9½, 9¾, 15, 15⅛ 16, 17, 18, 19 and 220, each $0.55

Irons, for REVONOC planes, Nos. 9½R, 9¾R, 15R, 15⅛R, 1600R, 1700R, 1800R, 1900R, 6500R, 2200R, each $0.55

Extra Caps and Levers, for Bailey planes, Nos. 9½, 9¾, 15, 15⅛ and 103, each $0.30

Extra Caps and Levers, for Bailey planes, Nos. 18 and 19...each $0.60

HALF DOZEN IN A BOX

Block.

Irons, for **Bailey** planes, Nos. 110 and 130, each $0.45

Irons, for REVONOC planes, Nos. 102R, 103R .....each $0.45

Irons, for REVONOC planes, Nos. 110R and 1300R .....each $0.45

Extra Caps and Screws, for **Bailey** planes, Nos. 110, 220 and 130, each $0.30

Extra Caps and Screws for REVONOC planes, Nos. 110R to 1300R, each $0.30

No. 4—Extra Caps for Nos. 3, 4, 5, 5½, 6 and 7 Bailey and [illegible] **Planes** ..... each $0 60

HALF DOZEN IN A BOX

SIEGLEY SINGLE PLANE IRONS

Width, in.	2	2¼	2⅜	2½
Each	$0.85	1.00	1.05	1.10

HALF DOZEN IN A BOX

PLANE PARTS

No. 1B—Plane iron.

No. 4B—Cap.

No. 5B—Cap screw.

No. 6B—Frog complete.

No. 7B—Adjusting lever.

No. 8B—Adjusting nut.

No. 9B—Lateral adjustment.

No. 12B—Knob.

No. 16B—Bottom—adjustable throat.

No. 18B—Detached side.

No. 21B—Eccentric plate.

No. 22B—Finger rest knob

PLANE PARTS

Sectional View of Bailey Wood Planes.

Sectional View of Bailey Iron Planes.

No. 1—Plane iron.
No. 2—Plane iron cap.
No. 3—Plane iron screw.
No. 4—Lever cap.
No. 5—Cap screw.
No. 6—Frog.
No. 7—"Y" adjustment.
No. 8—Brass adjusting nut
No. 9—Lateral adjustment.
No 10—Frog screw.
No. 11—Handle.
No. 12—Knob.
No. 13—Handle "bolt and nut."
No. 14—Knob "bolt and nut."
No. 15—Handle screw.
No. 16—Bottom.
No. 35—Top casting—wood plane.

An improvement has been made in the "Bailey" Iron Plane which necessitated a change in the construction of the Bottom and Frog, thereby making it impossible to use the new style Frog in an old style Bottom, or the old style Frog in a new style Bottom.

For a time an intermediate style was made having same Frog and Bottom as the latest design, except that there was no Frog adjusting screw, consequently no clip on the Frog.

The latest design Frog or Bottom will be furnished for both the intermediate and new style Planes. If your Plane is of the intermediate pattern, remove the steel clip from the Frog and the parts will fit.

In order that we may fill your order correctly, kindly advise us which style Plane you have.

The difference in construction of the Frogs and Bottoms is very clearly shown in the illustration above.

WOOD PLANES

BARTLETT'S BENCH

All Bartlett planes are fitted with superior irons, manufactured from best cast steel and fully warranted.

Smooth.

No. 03—8 in., 2 to 2¼ in. double iron, polished lignumvitae start, w't 2 lbs., each $2.50

ONE IN A PACKAGE

Jack.
Polished Lignumvitae Start.

No. 010—16 in., 2 to 2¼ in., **single** iron, w't 3½ lbs. .....each $2.40

No. 013—16 in., 2 to 2¼ in., **double** iron, w't 3½ lbs. .....each $2.80

ONE IN A PACKAGE

No. 019—22 in., fore, 2⅜ to 2½ in., double iron, polished lignumvitae start, w't 5½ lbs. .....each $4.70

ONE IN A PACKAGE

OGONTZ BENCH

Double Iron, Polished Ebony Start.

8 in. Smooth, 2 to 2¼ in., w't 2 lbs., each $2.30

16 in. Jack, 2 to 2¼ in., w't 3½ lbs., each $2 60

22 in. Fore, 2⅜ to 2½ in., w't 6 lbs., each $4.30

26 in. Jointer, 2½ to 2⅝ in., w't 7½ lbs., each $4.60

ONE IN A PACKAGE

BARTLETT'S TOOTH

No. 36W—2½ in., cast steel iron, w't 1⅞ lbs. .....each $2.70

ONE IN A PACKAGE

BARTLETT'S DADO

Specify size in ordering.

No. 62B—Screw top, sizes ½, ⅝ and ¾ in., w't 1 lb. .....each $4.00

ONE IN A PACKAGE

BARTLETT'S STEP NOSING

Specify size in ordering.

No. 113½—2 irons, sizes ½, 1, 1½ **and** 1¾ **in.,** w't 1¼ lbs. .....each $3.00

No. 113½—2 irons, sizes 1⅜ **or** 1½ **in.,** w't 1¾ lbs. .....each $3.40

ONE IN A PACKAGE

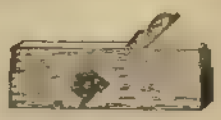
BARTLETT'S BOARD MATCH

One Pair No. 99.
Specify size in ordering.

No. 199—Sizes ½, ⅝, ¾, ⅞ and 1 in., w't 2½ lbs. .....per pair $4.20

ONE PAIR IN A PACKAGE

BARTLETT'S SKEW RABBET



Specify size in ordering.

No. 146½—W't 14 oz.—

Size, in.	½	⅝	¾	⅞	1
Each	$1.60	1.65	1.70	1.75	1.80

No. 146¼—1¼ in. w't 1¾ lbs., each $1.85

No. 146½—1½ in., w't 1⅞ lbs., each $1.90

No. 146¾—1¾ in., w't 1⅞ lbs., each $2.10

ONE PAIR IN A PACKAGE

BARTLETT'S JACK RABBET

No. 149. Side Handle.
With 2 Cutters, Sizes 1½, 1¾ and 2 in. W't 2¼ Lbs.

Specify size in ordering.

No. 149—Center handle, each $4.70

No. 149—Side handle...each 5.20

ONE PAIR IN A PACKAGE

HORN SCRUB

This plane is imported from Germany where it is extensively used. It has a round nose iron and is especially useful for rough planing.

No. 500—9 in., 1⅜ in. single iron, with horn, white hardwood nicely finished, w't 1½ lbs., each $2.50

ONE IN A PACKAGE

Extra Iron for No. 500, each $0.80

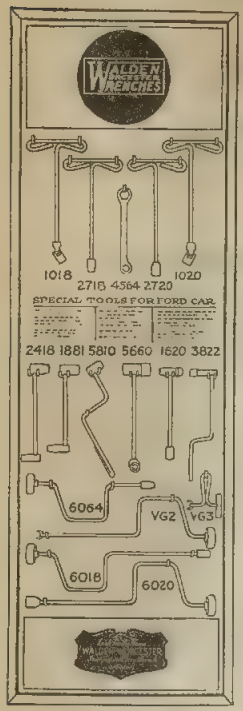
HORN SMOOTH

No. 400—8¼ in., 2 in. double iron, with horn, white hardwood nicely finished, w't 2¼ lbs. .....each $4.00

ONE IN A PACKAGE

WALDEN WRENCHES

FORD SPECIAL



Wrenches for Ford Cars are in Constantly Increasing Demand. **Walden-Worcester** Wrenches are Original Models. This Free Display Board, 6x2 feet, Allows You to Display Your Stock and will Multiply Your Sales.

These Free Display Boards have Wooden Backs, the Front is of Sheet Metal Handsomely Lithographed in Black and Golden Rod, the Hooks are Held by Nut and Check Nut and There is no Possibility of the Board Warping Out of Shape. An Ornament to Any Store and a Valuable Sales Producer.

Contents

5—No. 1620—Triple Socket Wrench.
5—No. 5810—Connecting Rod Wrench.
5—No. 2718—Tee Handle Wrench.
5—No. 2720—Tee Handle Wrench.
5—No. 4564—Rachet Wrench.
5—No. 2418—Double Socket Wrench.
5—No. 1018—Tee Flex Wrench.
5—No. 1020—Tee Flex Wrench.
5—No. 6064—Special Speed Wrench.
5—No. 6018—Special Speed Wrench.
5—No. 6020—Special Speed Wrench.
5—No. VG2—Valve Grinder.
5—No. VG3—Valve Grinder.
5—No. 5660—Triple Socket Offset.
5—No. 1881—Socket Offset.
5—No. 3822—Offset Wrench.

80 Wrenches

Per Set

No. 80—Set Consisting of 80 Wrenches in a Heavy Wooden Box; Weight, 103 lbs; Board and Hooks, Weight, 50 lbs.... $109.80 82.00
One in a Crate

WALDEN WRENCHES

FOR FORD CARS

TOMAHAWK TRIPLE SOCKET WRENCH

Socket Size, 5/16 inch and 1/2 inch. This is the Original Triple Socket Wrench, Trade Mark **"Tomahawk,"** Having 1/2 inch Rod Connecting the Two Sockets.

Used on: Axle Housing, Brake Shoe Support, Crank Case Lower Cover, Cylinder Head, Dash Bracket to Dash, Differential Drive Gear, Drive Shaft Roller Bearing, Motor Support, Front, Muffler, Water Cylinder, Inlet Connection, Water Cylinder Outlet Connection.

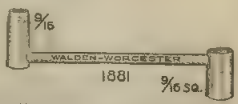
Each
No. 1620—Weight, 1 lb..... **$1.05** .70

TRIPLE SOCKET WRENCH

Socket Sizes, 1/2 inch, 5/8 inch; Hex., 9/16 inch Sq.

Designed Particularly for Clearance Around Cylinder Head Bolts, for Cylinder Head Brake and Reverse Support. Cylinder Inlet and Outlet Connections, Differential Case, Drive Shaft, Roller Bearing, Front Spring Tie, Spring Run Board, Fender, Rear Axle Housing Crank Case, Controller Shaft, Bracket.

Each
No. 1622—Weight, 1 1/4 lbs..... **$1.30** .88



DOUBLE END OFFSET WRENCH

Length Over All, 9 inches. Socket Sizes, 9/16 inch Hex. and 9/16 inch Sq.

This Wrench Especially Designed for Use on Ford Car; The Walls of the 9/16 inch Hex. Socket are Very Thin to Provide Clearance for Use on Piston Pin Locking Screw.

Used on Crank Shaft Bolt, Piston Pin, Locking Screw, Running Board, Running Board to Fender.

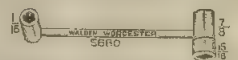
Each
No. 1881 Weight, 1 1/8 lbs..... **$1.65** 1.10

DOUBLE END OFFSET WRENCH

Length Over All, 9 inches; Socket Sizes 9/16 inch and 3/4 inch.

Used on: Brake and Reverse Support, Brake Shoe Support, Clutch Pedal Support, Crank Case Arm, Crankshaft Bearing Nut, Crankshaft Rear Bearing Bolt, Dash Bracket to Dash, Differential Case; Fan Bracket, Front Fender Iron, Front Spring Clip, Inlet and Exhaust Clamp, Radiator Support, Spindle Bolt Nut, Steering Post Bracket, Steering Yoke, Clamp, Universal Ball Cap. **Truck:** Rear Axle Housing, Front Rear Axle Housing, Rear.

Each
No. 2418—Weight, 1 lb..... **$1.20** .80

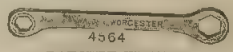


TRIPLE SOCKET OFFSET WRENCH

Length Over All, 10 1/2 inches; Socket Sizes, 15/16 inch, 7/8 inch and 11/16 inch.

Used on: Body Bracket, Front Radius Rod, Front Spring Perch, Front Spring Hanger, Radius Rod, Rear Hub Nut, Rear Spring Clip, Rear Spring Hanger, Rear Wheel to Brake Drum, Spindle Bolt, Spindle Connecting Rod. **Truck:** Brake Support, Rear Axle Housing Split, Rear Spring Hanger.

Each
No. 5660—Weight, 1 1/2 lbs..... **$1.50** 1.20



RATCHET WRENCH

11/16 inch Hex. Opening.

Particularly Designed for Use on the Ford Brake and Reverse Transmission Bands; Opposite end 3/4" for Use on Slow Speed Connecting Lock Nut One of the Most Valuable Tools to an Owner on Account of the Ease in Taking up Bands.

Each
No. 4564—Weight, 5/8 lb..... **$2.00** 1.30

All Numbers Packed Five in a Box

WALDEN WRENCHES

Adapted to All Popular Cars

TOMAHAWK
TRIPLE SOCKET WRENCH

This is the Original Triple Socket Wrench Trademark "TOMAHAWK" Having ½ inch Rod Connecting the Two Sockets. Socket Sizes ⅝ inch and ½ inch.

Recommended Specifically for Use on: Federal, Ford, Franklin, G. M. C., Haynes, Hupmobile, Jordan, Liberty, Mack, Marmon, Mitchell, Nash, Oakland, Oldsmobile, Overland, Paige, Peerless, Pierce-Arrow, Republic, Scripps-Booth, Selden, Stewart, Studebaker, Stutz, White and Willys-Knight.

	Each
No. 1620—Weight Each, 1 lb.....$1.05	0 70

Five in a Box

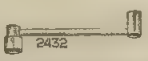
DOUBLE END OFFSET WRENCH

Length Over All 9 inches. Socket Sizes 9/16 and ¾ inch.

Recommended Specifically for Use on: Chandler, Chevrolet, Cleveland, Dodge, Dort, Federal, Ford, G. M. C., International, Liberty, Oakland, Paige, Pierce-Arrow, Reo, Selden, Stewart, Studebaker and Wills Sainte Claire.

	Each
No. 2418—Weight Each, 1 lb.....$1.20	0.80

Five in a Box



DOUBLE END OFFSET WRENCH

Length Over All 11¼ inches. Socket Size 1 inch and ¾ inch.

This is One of the Useful Wrenches for Buick Cars, Six Cylinder Models. Used on: Front Axle—Spindle Pivot and Tie Rod; Rear Axle—Rear Spring Pivot and Torque Rod Front and Rear; Motor Unit—Main Bearing and Oil Pan Drain Plugs; Steering Assembly—Steering Gear Case Support; Miscellaneous—Fender to Frame.

Recommended Specifically for Use on: Buick, Peerless and Reo.

	Each
No. 2432—Weight Each, 1¼ lbs.....$1.60	1.05

Five in a Box

TRIPLE SOCKET OFFSET WRENCH

Length Over All 10½ inches.

Socket Size 15/16 inch, ⅞ inch and 11/16 inch

Recommended Specifically for Use on: Buick, Cadillac, Chalmers, Chandler, Cleveland, Commerce, Dodge, Dort, Essex, Federal, Ford, G. M. C., Haynes, Hudson, Hupmobile, International, Jordan, Liberty, Lincoln, Mack, Maxwell, Mitchell, Nash, Oakland, Oldsmobile, Overland, Pierce-Arrow, Reo, Republic, Selden, Stewart, Studebaker, White, Wills Sainte Claire, Willys-Knight and Winton.

	Each
No. 5660—Weight Each, 1½ lbs.....$1.80	1.20

Five in a Box

WALDEN WRENCHES

Adapted to All Popular Cars

SHORT SPEED WRENCH

Length Over All 13¾ inches. Shank 5 inches. Socket Size ½ inch

Recommended Specifically for Use on: Cole, Ford, International, Lincoln, Marmon, Mitchell, Oldsmobile, Overland and Wills Sainte Claire

	Each
No. 6064—Weight Each, 1 lb.....$1.15	0 77

Five in a Box

For Ford Cars

The Eight Numbers Shown are the Eight Best Selling Socket Wrenches on the Market. All Tools Which are Necessary for General Garage Service, Particularly on Ford Cars.

The Hooks are All Assembled, the Board and Wrenches All Packed in One Box.

Board Size, 3 feet 9 inches by 1 foot.

Contents:

5—No. 1420 Brace Socket Wrench.
5—No. 1620 Triple Socket Wrench.
5—No. 2418 Double Socket Wrench.
5—No. 2718 Tee Handle Wrench.
5—No. 3620 Spark Plug and Cylinder Head Wrench.
5—No. 5660 Triple Socket Offset Wrench.
5—No. 5810 Connecting Rod Wrench.
5—No. 7018 Double Power Speed Wrench.

40 Wrenches

	Per Set
No. 40—Set Consisting of 40 Wrenches in a Heavy Wooden Box with Board and Hooks, Weight per Set, 70 lbs.....$44 00	33 00

One Set in a Box

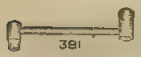
KEEP YOUR STOCK OF AUTO ACCESSORIES UNBROKEN, AND THE TRADE OF THE GOOD MECHANICS WILL COME YOUR WAY.

MAIL US YOUR ORDERS OFTEN. WE BELIEVE THAT OUR PRICES WILL AVERAGE AS LOW OR LOWER THAN YOU CAN PROCURE THE GOODS FOR FROM OTHER SOURCES. WE TAKE SCRUPULOUS CARE TO HAVE THE DESCRIPTIONS IN OUR CATALOG ACCURATE IN EVERY RESPECT.

THE PRACTICAL MAN QUICKLY RECOGNIZES THE BENEFITS TO BE DERIVED FROM USING MAIL ORDERS.

WALDEN WRENCHES

Adapted to All Popular Cars



DOUBLE END OFFSET WRENCH

Length Over All 8 inches; Socket Sizes ⅝ inch and ½ inch. Especially Designed for Use on: Chevrolet cars· Model 490, Useful on: Front Axle—Tie Rod, Rear Axle—Housing Split, Motor—Water Cylinder Inlet and Outlet Connections. Model BH. use on: Front Axle—Tie Rod Clevis, Motor—Water Cylinder Inlet and Outlet Connections, Fly Wheel Housing, Oil Pump Support and Transmission support. Recommended Specifically for Use on: Chevrolet and Liberty.

		Each
No. 391—Weight ¾ lbs.	$1.10	0.72

DOUBLE END OFFSET WRENCH

Length Over All 9¼ inches; Socket Sizes 7/8 inches and 13/16 inch; Recommended Specifically for Use on: Buick. Chandler, Chevrolet, Essex, G. M. C., Hudson, Oldsmobile, Republic, Scripps Booth, Stewart and Stutz.

		Each
No. 392—Weight 1¼ lbs.	$1.50	0.99

QUADRUPLE SOCKET OFFSET WRENCH

Length Over All 10½ inches; Socket Sizes 15/16, 1-1/8, 25/32, ¾ in. Chevrolet Model 490, Useful on: Hub Nuts Front and Rear, Spindle pivet and Nut, Steering Arm. Chevrolet Model BH, use on: Front Axle—Hub Nuts, Spindle Pivot Nut, Rear Spring Shackles, Steering Arm, Tie Rod and Frame Bracket Center Bolt: Rear Axle—Spring Clips and Hub Nuts. Recommended Specifically for Use on: Chevrolet, Grant and Paige.

		Each
No. 393—Weight 2¼ lbs.	$2.50	1.65

L TYPE WRENCH 8 x 8 INCH

Socket Sizes ¾ inch and 7/8 inch; Recommended Specifically for Use on: Cadillac, Chandler, Chevrolet, Cleveland, Commerce, Dodge, Federal, Franklin, G. M. C., Haynes, Republic, Selden, Studebaker, and Stutz.

		Each
No. 394—Weight 1¼ lbs.	$1.15	0.77

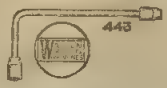
L TYPE WRENCH
4 x 4 Inches
Socket Sizes ½ inch and 9/16 inch

Recommended Specifically for Use on: Cadillac, Chalmers, Chandler, Chevrolet, Cleveland, Cole, Commerce, Dodge, Dort, Essex, Federal, Franklin, G. M. C., Grant, Haynes, Hudson, Hupmobile, International, Jordan, Lincoln, Mack, Marmon. Maxwell, Mitchell, Nash, Oldsmobile, Paige, Peerless, Pierce-Arrow, Reo, Republic, Scripps-Booth, Selden, Stewart, Studebaker, Stutz, White, Wills-St.-Claire and Winton.

		Each
No. 395—Weight ½ lb.	$1.00	0.66

WALDEN WRENCHES

Adapted to All Popular Cars



L TYPE WRENCH
9½ Inches x 4½ Inches

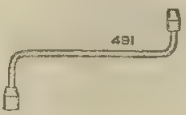
Socket Sizes ⅝ inch and ½ inch. Countless Numbers of Buick Mechanics and Owners Now Have This Tool for Work on Six Cylinder Motors, Most Especially for Removing Crank Case. Recommended Specifically for use on: Buick, Cole and Lincoln.

		Each
No. 443—Weight ¾ lbs.	$1.10	0.72

TRIPLE SOCKET OFFSET WRENCH

Length Over All 9 inches; Socket Sizes ½ inch, 9/16 inch and ⅝ inch. This Wrench is Much Like Our Well Known "Tomahawk" Differing Only in the Addition of the 9/16 inch Hex. Consider the Fact that the Most Used Sockets Have Openings of ½ inch, 9/16 inch and ⅝ inch and You Will Immediately Realize the Reason Why This Tool Has so Rapidly Become Popular for General Use. Recommended Specifically for Use on: Buick, Chandler, Dodge, Grant and Winton.

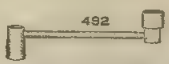
		Each
No. 444—Weight 1 1/16 lbs.	$1.25	0.83



DOUBLE END OFFSET WRENCH

Length Over All 10½ inches. Socket Sizes 9/16 inch and ¾ inch. Recommended Specifically for Use on: Chandler, Cleveland, Essex Haynes, Maxwell, Pierce-Arrow, Selden and Studebaker.

		Each
No. 491—Weight 1 1/16 lbs.	$1.05	0.71



DOUBLE END OFFSET WRENCH

Length Over All 10 inches; Socket Sizes 11/16 inch and 15/16 inch. Made up Particularly for Maxwell Cars for Over Two Years. Cole Mechanics and Owners Have Discovered its Usefulness on: Front Axle—Spring Clips, Spring Shackles and Tie Rod; Rear Axle—Bearing Clamp, Spring Clips and Spring Shackles; Motor—Cylinder Head and Main Bearing. Recommended Specifically for Use on: Cole and Maxwell.

		Each
No. 492—Weight 1¾ lbs.	$1.50	0.99

DOUBLE END OFFSET WRENCH

Length Over All 8¼ inches; Socket Sizes ⅝ inch and 11/16 inch or ¾ inch. Maxwell Mechanics and Owners Know That a Socket Wrench with an Especially Short Socket is Required to Reach the Cylinder Head Bolts Under the Dash. The Cylinder Head Bolts on Some Maxwell Models Measure 11/16 inch Across the Flats, Others Measure ¾ inch. Please Specify Which You Require, as This Wrench Will be Furnished with Either Size. Recommended Specifically for Use on: International and Maxwell.

		Each
No. 493—Weight ¾ lbs.	$1.10	0.73

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE

WALDEN WRENCHES

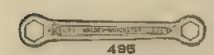
Adapted to All Popular Cars

OFFSET WRENCH

Length Over All 5⅛ inches; Socket Size ½ inch. Recommended Specifically for Use on. Chalmers Chandler, Chevrolet Cole, Commerce, Federal, Ford, Franklin, Grant, Jordan, Marmon Maxwell, Peerless Pierce-Arrow, Republic, Selden, Stewart, Stutz, and Wills St. Clair.

	Each
No. 494—Weight ¼ lbs.	**$0.85** .44

Five in a Box



DOUBLE END BOX TYPE WRENCH

Length Over All 10 inches; Socket Sizes 1¼ inches and 1⅛ inch. Recommended Specifically for Use on. Buick, Chandler, Cleveland, Dodge, Dort, G. M. C., Jordan, Lincoln, Mack, Marmon, Maxwell, Mitchell, Oakland, Paige, Pierce-Arrow Reo, Republic, Scripps-Booth, Selden, Stewart, Studebaker and White.

	Each
No. 495—Weight ¾ lbs.	**$1.25** .82

Five in a Box

DOUBLE END OFFSET WRENCH

Length Over All 10 inches; Socket Sizes 7/16 inch and 9/16 inch. A Wrench Particularly Well Known by Dodge Mechanics and Owners, for Use on: Front Axle—Drag Link and Tie Rod; Rear Axle—Rear Axle Housing Front and Rear, Motor Unit—Motor Support Front, Steering Assembly—Steering Post Coupling; Miscellaneous—Muffler Support, Etc. Recommended Specifically for Use on: Dodge, Pierce-Arrow and Stewart.

	Each.
No. 651—Weight ¾ lbs.	**$1 05** .71

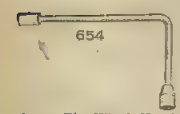
Five in a Box

DOUBLE END OFFSET WRENCH

Length Over All 11 inches; Socket Sizes ⅞ inch and ¾ inch. Recommended Specifically for Use on: Buick, Chandler, Cleveland, Cole, Dodge, Essex, Franklin, G. M. C., Grant, Hudson, Marmon, Mitchell, Oldsmobile, Paige, Peerless, Pierce-Arrow, Reo, Republic, Scripps-Booth and Winton.

	Each
No. 653—Weight 1¼ lbs.	**$1.15** .77

Five in a Box



L TYPE WRENCH

10 inches by 6 inches

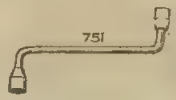
Socket Sizes ½ inch and 11/16 inch. A Wrench Used by Dodge Owners and Mechanics for Removing Cylinder Head and Crank Case, for Which Purpose this Wrench is Designed. Found Equally Helpful in Taking Off: Motor Unit—Cover for Timing Gears, Fly Wheel Housing and Transmission Cover. Recommended Specifically for Use on: Dodge.

	Each
No. 654—Weight 1 lb.	**$1.10** .72

Five in a Box

WALDEN WRENCHES

Adapted to All Popular Cars



DOUBLE END OFFSET WRENCH

Length Over All 11¾ inches; Socket sizes ⅝ inch and 25/32 inch. Recommended Specifically for Use on: Cadillac, Cleveland, Essex, G. M. C., Haynes, Jordan, Nash, Reo and Willys-Knight.

	Each
No. 751—Weight 1 lb.	**$1.10** .72

Five in a Box

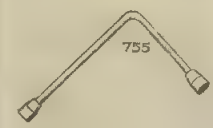
L TYPE WRENCHES

8 inches x 8 inches

Socket Sizes 9/16 inch and 11/16 inch. Recommended Specifically for Use on: Cole, Dort, Lincoln, Paige, Scripps-Booth, Stewart, Studebaker and Willys-Knight.

	Each
No. 752—Weight 1 lb.	**$1 10** .72

Five in a Box



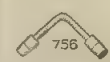
L TYPE WRENCH

10 inches x 7 inches

Socket Sizes ⅝ inch and ¾ inch. Recommended Specifically for Use on: Dort, Essex, Franklin, Hudson, Hupmobile, Jordan, Lincoln, Mack, Peerless, Stewart and Willys-Knight.

	Each
No 755—Weight 1⅛ lbs.	**$1 10** .72

Five in a Box



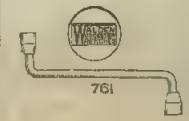
L TYPE WRENCH

4 inches x 4 inches

Socket Sizes ½ inch and 7/16 inch. Recommended Specifically for Use on: Essex, Franklin, G. M. C., Hudson, Lincoln, Oldsmobile, Pierce-Arrow, Selden, Stutz, White, Wills-St.-Claire and Willys-Knight.

	Each
No. 756—Weight ½ lb.	**$1 00** .66

Five in a Box



DOUBLE END OFFSET WRENCH

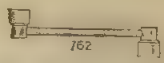
Length Over All 10½ inches. Socket Sizes ¾ inch and ⅝ inch. Recomended Specifically for Use on: Chalmers, Commerce, Dort, Jordan, Liberty, Mitchell, Nash, Oldsmobile, Overland, Pierce-Arrow, Scripps-Booth, Stewart, Studebaker and Willys-Knight.

	Each
No. 761—Weight 1 lb.	**$1.10** .72

Five in a Box

WALDEN WRENCHES

Adapted to All Popular Cars

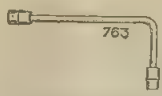


DOUBLE END OFFSET WRENCH

Length Over All, 10¾ inch; Socket Sizes, 1 1/16 inch and 1 inch

Recommended Specifically for Use on: Buick, Cadillac, Chalmers, Chandler, Cleveland, Dodge, Dort, Essex, Federal, Ford, G. M. C., Haynes, Hudson, Hupmobile, International, Jordan, Lincoln, Mack, Marmon, Maxwell, Mitchell, Nash, Oakland, Oldsmobile, Overland, Peerless, Pierce-Arrow, Reo, Republic, Scripps-Booth, Selden, Stewart, Studebaker, Stutz, White, Willys-Knight, Winton.

	Each
No. 762—Weight, 1⅛ lb.	$1.80 1 21



L TYPE WRENCH

9½x1¼ inch; Socket Sizes, ½ inch and 9/16 inch.

Designed and Sold Expecially for Overland Model 4. Used on: Motor Unit—Clutch Plate, Connecting Rod, Cover for Timing Gears, Exhaust Pipe Flange, Fan Adjustment, Fly Wheel to Crank Shaft, Fly Wheel Housing, Generator Support, Oil Pan, Oil Plugs, Pedals, Radiator Support, Transmission Cover, Water Cylinder Inlet, Wrist Pin, Universal Joint; Steering Assembly—Steering Gear Case Cover, Steering Gear Case Support; Recommended Specifically for Use on: Cole, Overland.

	Each
No. 763—Weight, ¾ lbs.	$1.10 .72

UNIVERSAL JOINT TEE HANDLE WRENCHES

Length Over All, 13¼ inches; Socket Size, ½ inch.

Recommended Specifically for Use on: Cleveland, Dodge, Essex, Franklin, Hudson, Hupmobile, Marmon, Maxwell, Nash, Oldsmobile.

	Each
No. 1016—Weight, 1 lb.	$3.80 2.50

Length Over All, 13¼ inches; Socket Size, 9/16 inch.

Recommended Specifically for Use on: Buick, Chalmers, Chandler, Cleveland, Cole, Commerce, Dodge, Dort, Ford, Franklin, G. M. C., Grant, Hupmobile, Lincoln, Mack, Marmon, Maxwell, Nash, Oakland, Overland, Peerless, Pierce-Arrow, Stutz, Wills St. Claire, Winton.

	Each
No. 1018—Weight, ⅞ lb.	$3 80 2 50

WALDEN WRENCHES

Adapted to All Popular Cars

Length Over All, 13¼ inches; Socket Size, ⅝ inch.

Recommended Specifically for Use on: Dort, Ford, Hupmobile, Jordan, Liberty, Lincoln, Mack, Marmon, Mitchell, Nash, Oldsmobile, Overland, Peerless, Pierce-Arrow, Scripps-Booth, Stewart, Stutz.

	Each
No. 1020—Weight, 1¼ lbs.	$3.80 2.50

Length Over All, 13¼ inches; Socket Size, 11/16 inch.

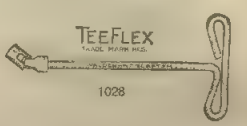
The Cylinder to Base Nuts are Very Difficult to Remove or Tighten Without Universal Joint Wrenches. Cadillac Mechanics will Find This Tool Particularly Useful for This Purpose. Recommended Specifically for Use on: Cadillac, Chalmers, Liberty, Maxwell.

	Each
No. 1022—Weight, 1¾ lbs.	$3.80 2.50

Length Over All, 13¼ inches; Socket Size, ¾ inch.

Recommended Specifically for Use on: Buick, Chandler, Cleveland, Cole, Essex, Federal, G. M. C., Lincoln, Mack, Nash, Peerless, Selden, Stewart, Studebaker, Wills St. Claire, Winton.

	Each
No. 1024—Weight, 1⅜ lbs.	$3 80 2.50



Length Over All, 13¼ inches; Socket Size, ⅞ inch.

Recommended Specifically for Use on: Federal, Mack, Pierce-Arrow, Republic, Selden, Stewart, Stutz, White.

	Each
No. 1028—Weight, 1½ lbs.	$3.80 2.50

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE

WALDEN WRENCHES

For Ford Cars

SPARK PLUG AND CYLINDER HEAD WRENCH

Length Over All, 11 inches; Socket Sizes, 15/16 and 5/8 inch

The 15/16 inch Hex. Type Opening Has Been So Designed As to Fit Down Squarely on the Spark Plug which is Not True Using Claw or Open End Type.

The 5/8 inch Socket Has Been Shaped to Make it Possible to Take All Cylinder Head Cap Screws, Even the Two Under the Dash on Latest Models.

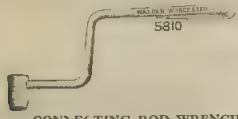
Used on: Cylinder Head, Spark Plug, Water Cylinder Inlet, Water Cylinder Outlet. Each

No. 3620—Weight, 1 1/4 lbs..... **$1 10** 0.75

Socket Size, 11/16 inch Hex.

Used on Fly Wheel Cap Screws, Heretofore Considered an Impossible Place for a Socket Wrench. An Ugly Place Made Accessible. Each

No. 3822—Weight, 3/4 lb..... **$1.00** 0.66

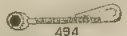


CONNECTING ROD WRENCH

Fits All Connecting Rod Cap Nuts. Includes the Fourth Connecting Rod. This is an Original Design, the First Wrench Made to Reach the Fourth Connection Without Removing the Engine from the Car. Be Sure You Get the Wrench with All Right Angle Bends and Loop Handle No. 5810 Stamped on Handle.

Each

No. 5810—Weight, 1 lb..... **$0.80** 0 55

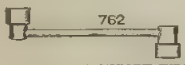


SINGLE SOCKET OFFSET WRENCH

Length Over All, 5 1/8 inch; Socket Size, 1/2 inch

Used on: Rear Spring Perch Truck; Rear Spring Clip. Each

No. 762—Weight, 1 1/2 lbs..... **$1 80** 1.21



DOUBLE SOCKET OFFSET WRENCH

Length Over All, 10 3/4 inches; Socket Sizes, 11/16 inch and 1 inch

Used on: Rear Spring Perch Truck; Rear Spring Clip. Each

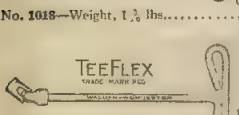
No. 762—Weight, 1 1/2 lbs..... **$1 80** 1.21

"TEE FLEX" OR UNIVERSAL JOINT WRENCH

Length Over All, 13 1/4 inches; Socket Size, 9/16 inch

Used on: Carburetor Flange (On Cars without Self Starter), Commutator Case Support, Cylinder Valve Cover, Inlet and Exhaust Clamp, Universal Ball Cap. Each

No. 1018—Weight, 1 3/4 lbs..... **$3 80** 2 50



"TEE FLEX" OR UNIVERSAL JOINT WRENCH

Length Over All, 13 1/4 inches; Socket Size, 5/8 inch

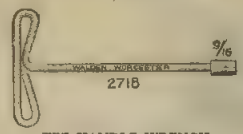
Especially Adapted for Use on the Fourth Connecting Rod.

Used on: Connecting Rod, Cylinder Head, Water Cylinder Inlet Connection. Each

No. 1020—Weight, 1 1/4 lbs..... **$3.80** 2.50

WALDEN WRENCHES

For Ford Cars

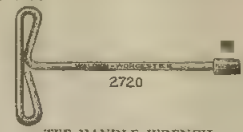


TEE HANDLE WRENCH

Handle 6 inches; Shank, 12 inches; Socket, 9/16 inch

Used on: Commutator Case Support, Crank Case, Cylinder Cover, Fan Adjustment, Magnet, Radiator Support, Universal Ball Cap. Each

No. 2718—Weight, 1 1/2 lbs..... **$0 90** 0.60

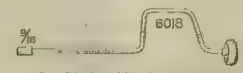


TEE HANDLE WRENCH

Handle, 6 inches; Shank, 12 inches; Socket, 5/8 inch

Used on: Commutator Case Support (On Cars with Self Starter), Cylinder Cover, (On Cars with Self Starter), Drive Shaft Roller Bearing. Each

No. 2720—Weight, 1 1/4 lbs..... **$0 90** 0 60

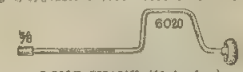


LONG SHANK (11 inches) BRACE SPEED WRENCH

Length Over All, 19 1/4 inches; Socket Size, 9/16 inch

Used on: Commutator Case Support, Crank Case, Cylinder Cover Fan Adjustment, Magnet, Transmission Cover. Each

No. 6018—Weight, 1 3/4 lbs..... **$1 30** 0.88



LONG SHANK (11 inches) BRACE SPEED WRENCH

Length Over All, 19 1/4 inches; Socket Size, 5/8 inch

Used on: Commutator Case Support (On Cars with Self Starter), Cylinder Cover (On Cars with Self Starter), Cylinder Head. Each

No. 6020—Weight, 1 3/4 lbs..... **$1 30** 0.88

LONG SHANK (11 inches) BRACE SPEED WRENCH

Length Over All, 19 1/4 inches; Socket Size, 11/16 inch

Used on: TRUCK. Rear Axle Housing Split. Each

No. 6022—Weight, 1 3/4 lbs..... **$1 30** 0.88

SHORT SHANK (5 inches) BRACE SPEED WRENCH

Length Over All, 13 3/8 inches; Socket Size, 1/2 inch

Used on: Crank Case Lower Cover, Differential Drive Gear, Muffler, Rear Axle Housing, Steering Tube Flange. Each

No. 6064—Weight, 1 lb..... **$1 15** 0.77

LONG SHANK (20 inches) BRACE SPEED WRENCH

Length Over All, 28 inches; Socket Size, 9/16 inch

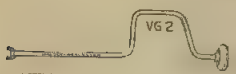
Used on: Front Fender Iron (Side), Radiator Support. Each

No. 6218—Weight, 1 3/4 lbs..... **$1.65** 1.10

All Numbers Packed Five in a Box

WALDEN WRENCHES

For Ford Cars



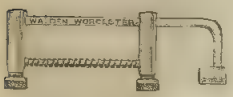
VALVE GRINDERS

Long Shank Brace Grinder Wrench. Fork End Flexible and Will Reach All Valves Including One Under Dashboard.

	Each
No. VG2—Length 11 inches; Weight 1¼ lbs.	**$1.30** 0 88

Short Valve Grinder Wrench. All Steel The Original Wire Handle Valve Grinder, Redesigned with ⅝ inch Bar Handle which Swivels on Cone Bearing. The Fork End Fits the Head Perfectly.

	Each
No. VG3—Weight ½ lb	**$0.80** 0.55



NUT AND BOLT HOLDING ATTACHMENT

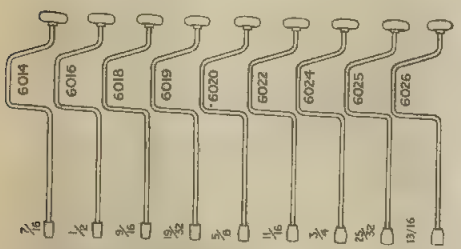
A One Man Tool

The Extension Socket Holds Either the Nut or Bolt Head While the Operator Spins it off

Extension Arm is Adjustable for Different Bolt Lengths.

Attachment May be Used in Connection with Either the Brace Speed Wrenches (6000 Series) or the Long Shank Tee Handle Wrenches (2700 Series).

	Each
No. 6416—½ inch Hexagon Bolt Size; Weight 1⅝ lbs.	**$3 00** 2.00
No. 6418—⅝ inch Hexagon Bolt Size; Weight 1⅝ lbs.	**3.00** 2.00



Long Shank Brace Socket Wrenches are Used as Speed Tools in Assembling and Dismantling Cars.

Nos.	6014	6016	6018	6019	6020
Socket, inch	7/16	½	9/16	19/32	⅝
Each	$0.80	.80	.80	.80	.80
	1.30	1.30	1.30	1.30	1.30

Nos.	6022	6024	6025	6026	6028
Socket, inch	11/16	¾	23/32	13/16	⅞
Each	$0.80	.80	.80	.80	.80
	1 30	1.30	1.30	1.30	1.30

Weight Each 1½ lbs.

All Numbers, Five in a Box

WALDEN WRENCHES

OFFSET SOCKET WRENCH

7 inch Handle

Nos.	2514	2516	2518	2519	2520
Socket, inch	7/16	½	9/16	19/32	⅝
Each	$0.50	.50	.50	.50	.50
	0.75	.75	.75	.75	.75

Nos.	2522	2524	2525	2526	2528
Socket, inch	11/16	¾	23/32	13/16	⅞
Each	$0.50	.50	.50	.50	.50
	0.75	.75	.75	.75	.75

Weight Each ¾ lb.

SHORT SHANK TEE HANDLE

6 inch Handle; 6 inch Shank

Nos.	2614	2616	2618	2619	2620
Size Socket, inch	7/16	½	9/16	19/32	⅝
Each	$0.55	.55	.55	.55	.55
	0.80	.80	.80	.80	.80

Nos.	2622	2624	2625	2626	2628
Size Socket, inch	11/16	¾	23/32	13/16	⅞
Each	$0 55	.55	.55	.55	.55
	0 80	.80	.80	.80	.80

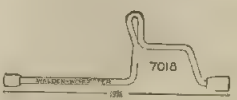
Weight Each 1 lb.

LONG SHANK TEE HANDLE WRENCHES

Nos.	2714	2716	2718	2719	2720
Size Socket, inch.	7/16	½	9/16	19/32	⅝
Each	$0.60	.60	.60	.60	.60
	0.90	.90	.90	.90	.90

Nos.	2722	2724	2725	2726	2728
Size Socket, inch.	11/16	¾	23/32	13/16	⅞
Each	$0.60	.60	.60	.60	.60
	0.90	.90	.90	.90	.90

Weight Each 1¼ lbs.



DOUBLE POWER SPEED WRENCHES

An Entirely New Design. All, 19¾ inches (Less Land Travel); the Losses Throw Gives More Speed; the Grip on Handle is the Grip For Extra Leverage in Releasihg and Final Tightening.

Nos.	7014	7016	7018	7019	7020
Size Socket, inch	7/16	½	9/16	19/32	⅝
Each	$0.90	.90	.90	.90	.90
	1.35	1 35	1.35	1.35	1 35

Nos.	7022	7024	7025	7026	7028
Size Socket, inch	11/16	¾	23/32	13/16	⅞
Each	$0 90	.90	.90	.90	.90
	1 35	1.35	1.35	1.35	1.35

Weight Each, 1¼ lbs.

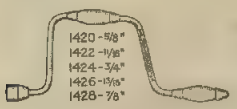
TIRE AND RIM WRENCHES

WALDEN

5 Interchangeable Sockets
⅝, 11/16, ¾, 13/16, ⅞

A New Wrench for Tire and Rim Service. A Very Substantial Brace Made of ⅝ inch Wire 12 inch Sweep. On Shank of Brace is a Holder for Five Interchangeable Sockets Which are Held by Ball Friction so that Sockets May Not Drop Off. Sockets Include All Standard Sizes. Any Socket May be Replaced. The Longer Shank on Brace Provides Ample Clearance for All Standard Tires and Rims. Change of Sizes Quickly Accomplished.

	Each
No. 1451—Weight Each, 2¾ lbs.	$5 35 3 50



BRACE SOCKET WRENCHES

All Steel Braces; Pressed Steel Swivel Handles, Nickel Plated and Polished; Length Over All, 13½ inches; Sweep, 10 inch.

	Each
No. 1420—⅝ inch Socket	$1 65 1.10

Fits the Following Rims:

Kelsey	Ford	Jaxon	Simplicity

Fits the Following Cars:

Cadillac	Ford	Maxwell	Scripps-Booth
Dodge, 1921	Hudson	Paige	1920 and 1921
Essex	Hupmobile		Studebaker

	Each
No. 1422—11/16 inch Socket	$1 65 1.10

Fits the Following Rims:

Firestone	Goodrich	Fisk	Dem
Gorman			

Fits the Following Cars:

Chandler, 1921	Jordan	Packard	Reo
Cleveland	Locomobile	Peerless	Velie
Haynes	Nash	Pierce-Arrow	Winton

	Each
No. 1424—¾ inch Socket	$1.65 1 10

Fits the Following Rims:

Stanwell	Baker	Buick	Continental
Detroit			

Fits the Following Cars:

Buick	Dodge, '18-20	Oakland	Willys-Knight
Chandler 1920	Dort	Oldsmobile	
Chevrolet	Gardner	Overland	

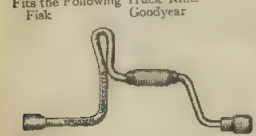
	Each
No. 1426—13/16 inch Socket	$1 65 1.10

Fits the Following Rims:
No 2 Universal and Stanweld

	Each
No. 1428—⅞ inch Socket	$1 65 1 10

Fits the Following Truck Rims:

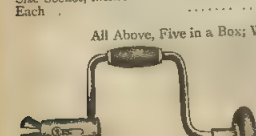
Fisk	Goodyear



For Demountable Rims and Disc Wheels; More Speed, Power, Greater Leverage. Loop Handle is for Extra Leverage in Releasing and Final Tightening. The Shank on this Wrench is Five inches Long Providing Extra Clearance for Use on Practically All Disc Wheels.

Nos.	1520	1522	1524	1525
Size Socket, inches	⅝	11/16	¾	⅞
Each	$1 00	1.00	1.00	1.00
	1.50	1.50	1.50	1.50

All Above, Five in a Box; Weight Each, 5¼ lbs.



UTILITY ADJUSTABLE

Specially Designed for Removing All Nuts Used in Connection with All Kinds of Demountable Rims, but Can be Utilized for Many Other Purposes.

	Per Dozen
No. URW—Nickel Plated; Weight per Dozen, 20 lbs. Twelfth Dozen in a Carton	$33 00

TIRE AND RIM WRENCHES

MOSSBERG

All Steel Demountable Rim Wrenches are Actually Designed for Endurance and Facility for Work. Made of ½ inch Steel Bar. Sockets of Heavy Special Steel; End and Center Swivel Grip Steel Handles. Length, 14 inches; Throw, 5¼ inches.

All Sizes in Burnished Nickel Finish

	Each
No. M361—With ⅝ inch Hex. Socket; Fits Kelsey, Hays, Jackson and Mott Rims	$1 65 1 10
No. M362—With 11/16 inch Hex. Socket; Fits Firestone and Goodrich Rims	1 65 1 10
No. M363—With ¾ inch Hex. Socket; Fits Baker, Detroit, Firestone, Hays, Jackson, Mott, Perlman and Stanweld Rims	1.65 1.10
No. M364—With 13/16 inch Hex. Socket; Fits Stanweld and United Rims	1.65 1.10
No. M365—With ⅞ inch Hex. Socket; Fits Firestone and All Giant Pneumatic Tire Rims	1 65 1 10

Six in a Carton; Weight Each, 10 lbs.

Complete Reference Table of Proper Mossberg Brace Wrenches for Individual Car Demountable Rim Lug Nuts.

Name of Car	Model	Rim Nut Sizes Hex. inches	Brace Wrench Nos.
Apperson	All	11/16	M362
Briscoe	All	¾	M363
Buick	1918-21	¾	M363
Cadillac	Current	⅝	M361
Chalmers	Current	⅝	M361
Chandler	All	11/16	M362
Chevrolet	All	¾	M363
Cole	1919-21	11/16	M362
Columbia Six	Current	11/16	M362
Daniels Eight	All	11/16	M362
Dort	All	¾	M363
Dodge	Current	⅝	M361
DuPont	Current	11/16	M362
Durant	Current	⅝	M361
Essex	Current	⅝	M361
Elcar	Current	¾	M363
Ford	Current	⅝	M361
Gardner	Current	¾	M363
Grant	All	11/16	M362
Hanson	Current	⅝	M361
Haynes	Current	11/16	M362
Holmes	Current	11/16	M362
Hudson	Current	⅝	M361
Hupmobile	Current	⅝	M361
Jordan	All	11/16	M362
King	Current	11/16	M362
R. & V. Knight	Current	11/16	M362
LaFayette	Current	11/16	M362
Liberty	All	11/16	M362
Lincoln	Current	⅝	M361
Locomobile	All	11/16	M362
McLaughlin	Current	¾	M363
Maibohm Six	Current	¾	M363
Maxwell	Current	¾	M363
Mercer	Current	11/16	M362
Metz	Current	¾	M363
Mitchell	Current	¾	M363
Moon	1920-21	11/16	M362
Nash	681-6	11/16	M362
National	All	11/16	M362
Oakland	1918-21	¾	M363
Oldsmobile	1920-21	¾	M363
Overland	Current	¾	M363
Packard	Current	11/16	M362
Paige	Current	⅝	M361
Peerless	All	11/16	M362
Pierce-Arrow	Current	11/16	M362
Premier	All	11/16	M362
Reo	All	11/16	M362
Saxon-Duplex	Current	⅝	M361
Scripps Booth	Current	⅝	M361
Stephens	Current	¾	M363
Studebaker	Current	⅝	M361
Templar	Current	11/16	M362
Velie	1918-20	11/16	M362
Westcott	Current	¾	M363
Willys-Knight	Current	¾	M363
Winton	All	11/16	M362

WALDEN WRENCHES

Adapted to All Popular Cars

DOUBLE END OFFSET WRENCH

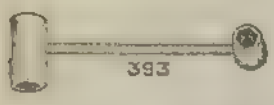
Length Over All 8 inches; Socket Sizes 5/8 inch and 1/2 inch. Especially Designed for Use on: Chevrolet cars: Mouel 490, Useful on. Front Axle—Tie Rod, Rear Axle—Housing Split, Motor—Water Cylinder Inlet and Outlet Connections. Model BH, use on: Front Axle—Tie Rod Clevis, Motor—Water Cylinder Inlet and Outlet Connections, Fly Wheel Housing, Oil Pump Support and Transmission support. Recommended Specifically for Use on: Chevrolet and Liberty.

		Each
No. 391—Weight 3/4 lbs.	$1.10	0.72

DOUBLE END OFFSET WRENCH

Length Over All 8 1/4 inches; Socket Sizes 7/8 inches and 13/16 inch; Recommended Specifically for Use on: Buick, Chandler, Chevrolet, Essex, G. M. C., Hudson, Oldsmobile, Republic, Scripps-Booth, Stewart and Stutz.

		Each
No. 392—Weight 1 1/4 lbs.	$1.50	0.99



QUADRUPLE SOCKET OFFSET WRENCH

Length Over All 10 1/2 inches; Socket Sizes 15/16, 1-1/6, 25/32, 3/4 in. Chevrolet Model 490, Useful on: Hub Nuts Front and Rear, Spindle pivet and Nut, Steering Arm. Chevrolet Model BH, use on: Front Axle—Hub Nuts, Spindle Pivot Nut, Rear Spring Shackles, Steering Arm, Tie Rod and Frame Bracket Center Bolt; Rear Axle—Spring Clips and Hub Nuts. Recommended Specifically for Use on: Chevrolet, Grant and Paige.

		Each
No. 393—Weight 2 1/4 lbs.	$2.50	1.65

L TYPE WRENCH 8 x 8 INCH

Socket Sizes 3/4 inch and 7/8 inch; Recommended Specifically for Use on: Cadillac, Chandler, Chevrolet, Cleveland, Commerce, Dodge, Federal, Franklin, G. M. C., Haynes, Republic, Selden, Studebaker, and Stutz.

		Each
No. 394—Weight 1 1/4 lbs.	$1.15	0.77

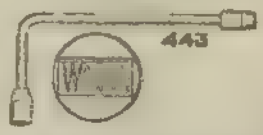
L TYPE WRENCH
4 x 4 Inches
Socket Sizes 1/2 inch and 9/16 inch

Recommended Specifically for Use on: Cadillac, Chalmers, Chandler, Chevrolet, Cleveland, Cole, Commerce, Dodge, Dort, Essex, Federal, Franklin, G. M. C., Grant Haynes, Hudson, Hupmobile, International, Jordan, Lincoln, Mack, Marmon, Maxwell, Mitchell, Nash, Oldsmobile, Paige, Peerless, Pierce-Arrow, Reo, Republic, Scripps-Booth, Selden, Stewart, Studebaker, Stutz, White, Wills-St.-Claire and Winton.

		Each
No. 395—Weight 1/2 lb.	$1.00	0.66

WALDEN WRENCHES

Adapted to All Popular Cars



L TYPE WRENCH
9 1/2 Inches x 4 1/2 Inches

Socket Sizes 5/8 inch and 1/2 inch. Countless Numbers of Buick M[illegible] and Owners Now Have This Tool for Work on Six Cylinder Models, Most Especially for Removing Crank Case. Recommended Specifically for use on: Buick, Cole and Lincoln.

		Each
No. 443—Weight 3/4 lbs.	$1.10	0.72

TRIPLE SOCKET OFFSET WRENCH

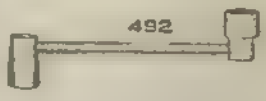
Length Over All 9 inches; Socket Sizes 1/2 inch, 9/16 inch and 5/8 inch. This Wrench is Much Like Our Well Known "Tomahawk" [illegible]g Only in the Addition of the 9/16 inch Hex. Consider the Fact t[illegible] the Most Used Sockets Have Openings of 1/2 inch, 9/16 inch and 5/8 inch and You Will Immediately Realize the Reason Why This Tool Has so Rapidly Become Popular for General Use. Recommended Specifically for Use on: Buick, Chandler, Dodge, Grant and Winton.

		Each
No. 444—Weight 1 1/16 lbs.	$1.25	0.83

DOUBLE END OFFSET WRENCH

Length Over All 10 1/2 inches. Socket Sizes 9/16 inch and 3/4 inch. Recommended Specifically for Use on: Chandler, Cleveland Essex Haynes, Maxwell, Pierce-Arrow, Selden and Studebaker.

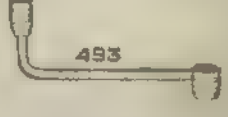
		Each
No. 491—Weight 1 1/16 lbs.	$1 05	0.71



DOUBLE END OFFSET WRENCH

Length Over All 10 inches; Socket Sizes 11/16 inch and 15/16 inch. Made up Particularly for Maxwell Cars for Over Two Years. Cole Mechanics and Owners Have Discovered its Usefulness on: Front Axle—Spring Clips, Sprin[illegible] Shackles and Tie Rod; Rear Axle—Bearing Clamp, Spring Clips and Spring Shackles; Motor—Cylinder Head and Main Bearing. Recommended Specifically for Use on: Cole and Maxwell.

		Each
No. 492—Weight 1 1/2 lbs.	$1.50	0.99



DOUBLE END OFFSET WRENCH

Length Over All 8 1/4 inches; Socket Sizes 5/8 inch and 11/16 inch or 3/4 inch. Maxwell Mechanics and Owners Know That a Set Wrench with an Especially Short Socket is Required to Reach the Cylinder Head Bolts Under the Dash. The Cylinder Head Bolts on Some Maxwell Models Measure 11/16 inch Across the Flats, Others Measure 3/4 inch. Please Specify Which You Require, as This Wrench Will be Furnished with Either Size. Recommended Specifically for Use on: International and Maxwell.

		Each
No. 493—Weight 3/4 lbs.	$1.10	0.72

All Numbers, Five in a Box

WALDEN WRENCHES

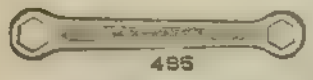
Adapted to All Popular Cars

OFFSET WRENCH

Length Over All 5⅛ inches; Socket Size ½ inch. Recommended Specifically for Use on: Chalmers, Chandler, Chevrolet, Cole, Commerce, Federal, Ford, Franklin, Grant, Jordan, Marmon, Maxwell, Peerless, Pierce-Arrow, Republic, Selden, Stewart, Stutz, and Wills St. Clair.

		Each
No. 494—Weight ¼ lbs.	**$0.65**	.44

Five in a Box



DOUBLE END BOX TYPE WRENCH

Length Over All 10 inches; Socket Sizes 1¼ inches and 1⅛ inch. Recommended Specifically for Use on: Buick, Chandler, Cleveland, Dodge, Dort, G. M. C., Jordan, Lincoln, Mack, Marmon, Maxwell, Mitchell, Oakland, Paige, Pierce-Arrow, Reo, Republic, Scripps-Booth, Selden, Stewart, Studebaker and White.

		Each
No. 495—Weight ¾ lbs.	**$1 25**	.82

Five in a Box

DOUBLE END OFFSET WRENCH

Length Over All 10 inches; Socket Sizes 7/16 inch and 9/16 inch. A Wrench Particularly Well Known by Dodge Mechanics and Owners, for Use on: Front Axle—Drag Link and Tie Rod; Rear Axle—Rear Axle Housing Front and Rear; Motor Unit—Motor Support Front; Steering Assembly—Steering Post Coupling; Miscellaneous—Muffler Support, Etc. Recommended Specifically for Use on: Dodge, Pierce-Arrow and Stewart.

		Each
No. 651—Weight ¾ lbs.	**$1 05**	.71

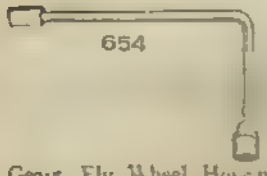
Five in a Box

DOUBLE END OFFSET WRENCH

Length Over All 11 inches; Socket Sizes ⅞ inch and ¾ inch. Recommended Specifically for Use on: Buick, Chandler, Cleveland, Cole, Dodge, Essex, Franklin, G. M. C., Grant, Hudson, Marmon, Mitchell, Oldsmobile, Paige, Peerless, Pierce-Arrow, Reo, Republic, Scripps-Booth and Winton.

		Each
No. 653—Weight 1¼ lbs.	**$1 15**	.77

Five in a Box



L TYPE WRENCH

10 inches by 6 inches

Socket Sizes ½ inch and 11/16 inch. A Wrench Used by Dodge Owners and Mechanics for Removing Cylinder Head and Crank Case for Which Purpose this Wrench is Designed. Found Equally Helpful in Taking Off: Motor Unit—Cover for Timing Gears, Fly Wheel Housing and Transmission Cover. Recommended Specifically for Use on: Dodge.

		Each
No. 654—Weight 1 lb.	**$1.10**	.72

Five in a Box

WALDEN WRENCHES

Adapted to All Popular Cars

DOUBLE END OFFSET WRENCH

Length Over All 11¾ inches; Socket sizes ⅜ inch and 25/32 inch. Recommended Specifically for Use on: Cadillac, Cleveland, Essex, G. M. C., Haynes, Jordan, Nash, Reo and Willys-Knight.

		Each
No. 751—Weight 1 lb.	**$1 10**	.72

Five in a Box

L TYPE WRENCHES

8 inches x 8 inches

Socket Sizes 9/16 inch and 11/16 inch. Recommended Specifically for Use on: Cole, Dort, Lincoln, Paige, Scripps-Booth, Stewart, Studebaker and Willys-Knight.

		Each
No. 752—Weight 1 lb.	**$1 10**	.72

Five in a Box

L TYPE WRENCH

10 inches x 7 inches

Socket Sizes ⅝ inch and ¾ inch. Recommended Specifically for Use on: Dort, Essex, Franklin, Hudson, Hupmobile, Jordan, Lincoln, Mack, Peerless, Stewart and Willys-Knight.

		Each
No 755—Weight 1⅛ lbs.	**$1 10**	.72

Five in a Box

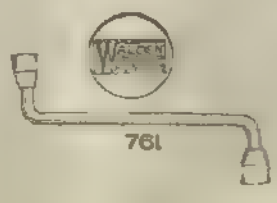
L TYPE WRENCH

4 inches x 4 inches

Socket Sizes ½ inch and 7/16 inch. Recommended Specifically for Use on: Essex, Franklin, G. M. C., Hudson, Lincoln, Oldsmobile, Pierce-Arrow, Selden, Stutz, White, Wills-St.-Claire and Willys-Knight.

		Each
No. 756—Weight ½ lb.	**$1.00**	.66

Five in a Box



DOUBLE END OFFSET WRENCH

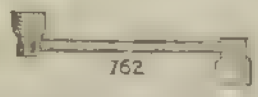
Length Over All 10½ inches. Socket Sizes ¾ inch and ⅝ inch. Recomended Specifically for Use on: Chalmers, Commerce, Dort, Jordan, Liberty, Mitchell, Nash, Oldsmobile, Overland, Pierce-Arrow, Scripps-Booth, Stewart, Studebaker and Willys-Knight.

		Each
No. 761—Weight 1 lb.	**$1 10**	.72

Five in a Box

WALDEN WRENCHES

Adapted to All Popular Cars

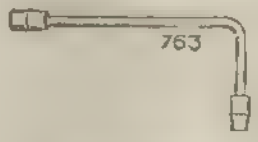


DOUBLE END OFFSET WRENCH

Length Over All, 10¾ inch; Socket Sizes, 1 1/16 inch and 1 inch

Recommended Specifically for Use on [illegible], Cadillac, Chalmers, Chandler, Cleveland, Dodge, Dort, [illegible], Ford, G. M. C., Haynes, Hupmobile, [illegible], Lincoln, Mack, Marmon, Maxwell, Mitchell, Nash, Oakland, Oldsmobile, Overland, Peerless, Pierce-Arrow, Reo, Republic, Scripps-Booth, Selden, Stewart, Studebaker, Stutz, White, Willys-Knight, Winton.

	Each
No. 762—Weight, 1½ lbs. [illegible]	$1 80 1 21



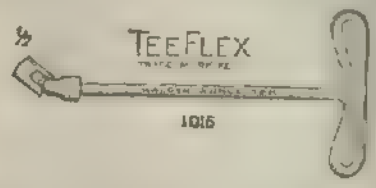
L TYPE WRENCH

9½x4¼ inch; Socket Sizes, ½ inch and 9/16 inch.

Designed and Sold Expecially for Overland Model 4. Used on: Motor Unit—Clutch Plate, Connecting Rod, Cover for Timing Gears, Exhaust Pipe Flange, Fan Adjustment, Fly Wheel to Crank Shaft, Fly Wheel Housing, Gasket or Support, Oil Pan to Plate [illegible] Gasket or Support, Transmission Cover, Water Cylinder Inlet, Wrist Pin, Universal Unit, Steering Assembly—Steering Gear Case Cover, Steering Gear Case Support; Recommended Specifically for Use on: Cole, Overland.

	Each
No. 763—Weight, ¾ lbs.	$1 10 .72

UNIVERSAL JOINT TEE HANDLE WRENCHES



Length Over All, 13¼ inches; Socket Size, ½ inch.

Recommended Specifically for Use on: Cleveland, Dodge, Essex, Franklin, Hudson, Hupmobile, Marmon, Maxwell, Nash, Peerless.

	Each
No. 1016—Weight, 1 lb.	$3.80 2.50

Length Over All, 13¼ inches; Socket Size, 9/16 inch.

Recommended Specifically for Use on: Buick, Chalmers, Chandler, Cleveland, Cole, Commerce, Dodge, Dort, Ford, Franklin, G. M. C., Grant, Hupmobile, Lincoln, Mack, Marmon, Maxwell, Nash, Oakland, Overland, Peerless, Pierce-Arrow, Stutz, Wills St. Claire, Winton.

	Each
No. 1018—Weight, 1⅛ lb.	$3 80 2 50

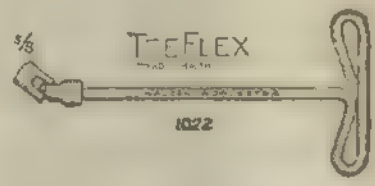
WALDEN WRENCHES

Adapted to All Popular Cars

Length Over All, 13¼ inches; Socket Size, 5/8 inch.

Recommended Specifically for Use on: Dort, Ford, Hupmobile, Jordan, Liberty, Lincoln, Mack, Marmon, Mitchell, Nash, Oldsmobile, Overland, Peerless, Pierce-Arrow, Scripps-Booth, Stewart, Stutz.

	Each
No. 1020—Weight, 1¼ lbs.	$3.80 2.50



Length Over All, 13¼ inches; Socket Size, 11/16 inch.

The Cylinder to Base Nuts are Very Difficult to Remove or Tighten Without Universal Joint Wrenches. Cadillac Mechanics will Find This Tool Particularly Useful for This Purpose. Recommended Specifically for Use on: Cadillac, Chalmers, Liberty, Maxwell.

	Each
No. 1022—Weight, 1¼ lbs.	$3 80 2.50

Length Over All, 13¼ inches; Socket Size, ¾ inch.

Recommended Specifically for Use on: Buick, Chandler, Cleveland, Cole, Essex, Federal, G. M. C., Lincoln, Mack, Nash, Peerless, Selden, Stewart, Studebaker, Wills St. Claire, Winton.

	Each
No. 1024—Weight, 1⅜ lbs.	$3 80 2.50

Length Over All, 13¼ inches; Socket Size, ⅞ inch.

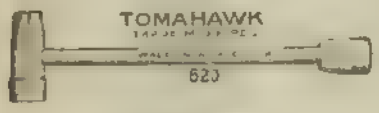
Recommended Specifically for Use on: Federal, Mack, Pierce-Arrow, Republic, Stutz, White.

	Each
No. 1028—Weight, 1½ lbs.	$3.80 2.50

All Numbers Five in a Box

WALDEN WRENCHES

Adapted to All Popular Cars



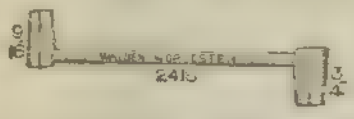
TOMAHAWK
TRIPLE SOCKET WRENCH

This is the Original Triple Socket Wrench Trademark "TOMAHAWK" Having ½ inch Rod Connecting the Two Sockets. Socket Sizes ⅝ inch and ½ inch.

Recommended Specifically for Use on: Federal, Ford, Franklin, G. M. C., Haynes, Hupmobile, Jordan, Liberty, Mack, Marmon, Mitchell, Nash, Oakland, Oldsmobile, Overland, Paige, Peerless, Pierce-Arrow, Republic, Scripps-Booth, Selden, Stewart, Studebaker, Stutz, White and Willys-Knight.

	Each
No. 1620—Weight Each, 1 lb.....	**$1 05** 0 70

Five in a Box



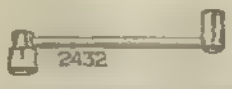
DOUBLE END OFFSET WRENCH

Length Over All 9 inches. Socket Sizes 9/16 and ¾ inch.

Recommended Specifically for Use on: Cadillac, Chevrolet, Cleveland, Dodge, Dort, Federal, Ford, G. M. C., International, Liberty, Oakland, Paige, Pierce-Arrow, Reo, Selden, Stewart, Studebaker and Wills Sainte Claire.

	Each
No. 2418—Weight Each, 1 lb.....	**$1 20** 0.80

Five in a Box



DOUBLE END OFFSET WRENCH

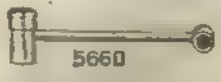
Length Over All 11¼ inches. Socket Size 1 inch and ¾ inch.

This is One of the Useful Wrenches for Buick Cars, Six Cylinder Models. Used on: Front Axle—Spindle Pivot and Tie Rod. Rear Axle—Rear Spring Pivot and Torque Rod Front and Rear; Motor Unit—Main Bearing and Oil Pan Drain Plugs; Steering Assembly—Steering Gear Case Support; Miscellaneous—Fender to Frame.

Recommended Specifically for Use on: Buick, Peerless and Reo.

	Each
No. 2432—Weight Each, 1½ lbs.....	**$1 60** 1.05

Five in a Box



TRIPLE SOCKET OFFSET WRENCH

Length Over All 10½ inches.

Socket Size 15/16 inch, ⅞ inch and 11/16 inch

Recommended Specifically for Use on: Buick, Cadillac, Chalmers, Chandler, Cleveland, Commerce, Dodge, Dort, Essex, Federal, Ford, G. M. C., Haynes, Hudson, Hupmobile, International, Jordan, Liberty, Lincoln, Mack, Maxwell, Mitchell, Nash, Oakland, Oldsmobile, Overland, Pierce-Arrow, Reo, Republic, Selden, Stewart, Studebaker, White, Wills Sainte Claire, Willys-Knight and Winton.

	Each
No. 5660—Weight Each, 1½ lbs.....	**$1.80** 1.20

Five in a Box

WALDEN WRENCHES

Adapted to All Popular Cars

SHORT SPEED WRENCH

Length Over All 13⅜ inches. Shank 5 inches. Socket Size ½ inch

Recommended Specifically for Use on: Cole, Ford, International, Lincoln, Marmon, Mitchell, Oldsmobile, Overland and Wills Sainte Claire

	Each
No. 6064—Weight Each, 1 lb.....	**$1.15** 0 77

Five in a Box

For Ford Cars

The Eight Numbers Shown are the Eight Best Selling Socket Wrenches on the Market. All Tools Wrenches are Necessary for General Garage Service, Particularly on Ford Cars.

The Hooks are All Assembled, the Board and Wrenches All Packed in One Box.

Board Size, 3 feet 9 inches by 1 foot.

Contents:

5—No. 1420 Brace Socket Wrench.
5—No. 1620 Triple Socket Wrench.
5—No. 2418 Double Socket Wrench.
5—No. 2718 Tee Handle Wrench.
5—No. 2020 Spark Plug and Cylinder Head Wrench.
5—No. 5660 Triple Socket Offset Wrench.
5—No. 5818 Connecting Rod Wrench.
5—No. 7018 Double Power Speed Wrench.

40 Wrenches

	Per Set
No. 40—Set Consisting of 40 Wrenches in a Heavy Wooden Box with Board and Hooks, Weight per Set, 70 lbs.....	**$44 00** 33 00

One Set in a Box

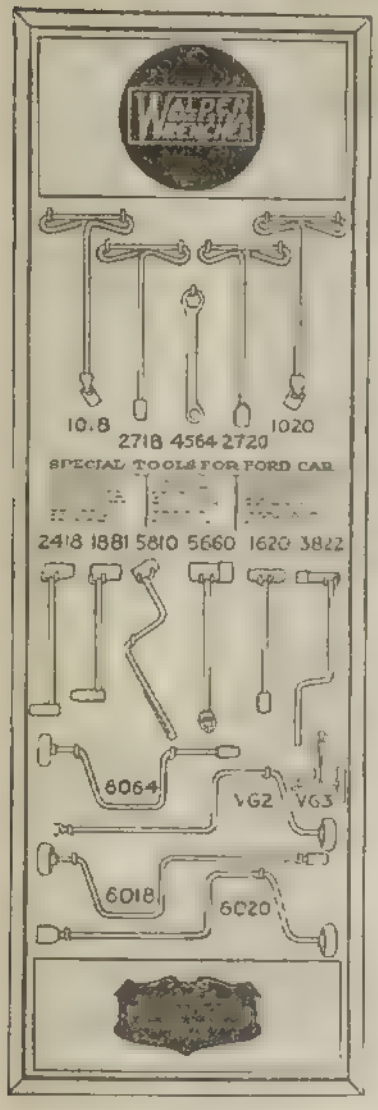
KEEP YOUR STOCK OF AUTO ACCESSORIES UNBROKEN, AND THE TRADE OF THE GOOD MECHANICS WILL COME YOUR WAY.

MAIL US YOUR ORDERS OFTEN. WE BELIEVE THAT OUR PRICES WILL AVERAGE AS LOW OR LOWER THAN YOU CAN PROCURE THE GOODS FOR FROM OTHER SOURCES. WE TAKE SCRUPULOUS CARE TO HAVE THE DESCRIPTIONS IN OUR CATALOG ACCURATE IN EVERY RESPECT.

THE PRACTICAL MAN QUICKLY RECOGNIZES THE BENEFITS TO BE DERIVED FROM USING MAIL ORDERS.

WALDEN WRENCHES

FORD SPECIAL



Wrenches for Ford Cars are in Constantly Increasing Demand. **Walden-Worcester Wrenches** are Original Models. This Free [illegible]y Board, 6x2 feet, All[illegible] You to Display Your Sto[illegible] will Multiply Your Sales.

[illegible] Free Display Boards [illegible] Wooden Backs, the Front [illegible] of Sheet Metal Handsomely Lithographed in Black and Golden Rod, the Hooks [illegible] Hel[illegible] Nut and Chec[illegible] Nu[illegible] [illegible] is no Possibility of the Board Warping Out of Shape. An Ornament to Any Store and a Valuable Sales Producer.

Contents

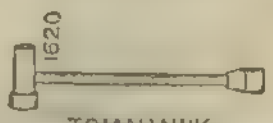
5—No. 1620—Triple Socket Wrench.
5—No. 5810—Connecting Rod Wrench.
5—No. 2718—Tee Handle Wrench.
5—No. 2720—Tee Handle Wrench.
5—No. 4564—Rachet Wrench.
5—No. 2418—Double Socket Wrench.
5—No. 1018—Tee Flex Wrench.
5—No. 1020—Tee Flex Wrench.
5—No. 6064—Special Speed Wrench.
5—No. 6018—Special Speed Wrench.
5—No. 6020—Special Speed Wrench.
5—No. VG2—Valve Grinder
5—No. VG3—Valve Grinder
5—No. 5660—Triple Socket Offset.
5—No. 1881—Socket Offset.
5—No. 3822—Offset Wrench.

80 Wrenches

No. 80—Set Consisting of 80 Wrenches in a Heavy Wooden Box. Weight, 103 lbs; Board and Hooks, Weight, 50 lbs....$109.80 $2 00
One in a Crate

WALDEN WRENCHES

FOR FORD CARS

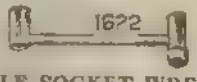


TOMAHAWK
TRIPLE SOCKET WRENCH

Socket Size[illegible] inch and ½ inch. This is the Original Triple Socket Wrench, Trade Mark "Tomahawk," Having ½ inch Rod Connecting the Two Sockets.

Used on: Axle Housing, Brake Shoe Support, Crank Case Lower Cover, Cylinder Head, Dash Bracket to Dash, Differential Drive Gear, Drive Shaft Roller Bearing, Motor Support, Front, Muffler, Water Cylinder Inlet Connection, Water Cylinder Outlet Connection.

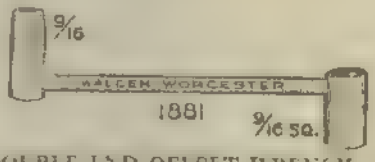
	Each
No. 1620—Weight, 1 lb..... **$1.05**	.70



TRIPLE SOCKET WRENCH
Socket Sizes, ½ inch, ⅝ inch; Hex., ⅝ inch Sq.

Designed Particularly for Clearance Around Cylinder Head Bolts, for Cylinder Head Brake and Reverse Support, Cylinder Inlet and Outlet Connections, Differential Case, Drive Shaft Roller Bearing, Front Spring Eye Spring Run Board, Fender, Rear Axle Housing, Crank Case, Connecting Shaft, Bracket

	Each
No. 1622—Weight, 1¼ lbs..... **$1 30**	.88

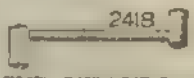


DOUBLE END OFFSET WRENCH
Length Over All, 9 inches; Socket Sizes, 9/16 inch Hex. and 9/16 inch Sq.

[illegible] Drive Shaft Roller [illegible] Gear, [illegible] Wrench [illegible] Nut [illegible] Provide Clearance for Use on Piston [illegible] Lock [illegible]

Used on [illegible] Piston Pin, Locking Screw, Running Board, Running [illegible] Fender.

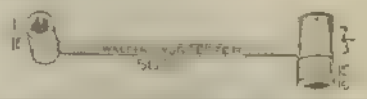
	Each
No. 1881—Weight, [illegible] lbs..... **$1 65**	1.10



DOUBLE END OFFSET WRENCH
Length Over All, 9 inches; Socket Sizes 9/16 inch and ¾ inch.

Used on: Brake and Reverse Support, Brake Shoe Support, Clutch Ball Support, Crank Case Arm, Crankshaft Bearing Nut, Crankshaft Rear Bearing Bolt, Dash Bracket to Dash, Differential Case; Fan Bracket, Fender Roller Iron, Front Spring Clip, Inlet and Exhaust Clamp, Radiator Support, Spindle Bolt Nut, Steering Post Bracket, Steering Yoke, Clamp, Universal Ball Cap. **Truck:** Rear Axle Housing, Front Rear Axle Housing, Rear.

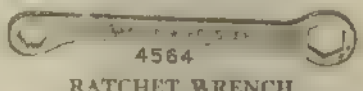
	Each
No. 2418—Weight, 1 lb..... **$1.20**	.80



TRIPLE SOCKET OFFSET WRENCH
Length Over All, 18½ inches; Socket Sizes, 15/16 inch, ⅞ inch and 11/16 inch.

Used on: Body Bracket, Front Radius Rod, Front Spring Perch, Front Spring Hanger, Rear Radius Rod, Spindle Nut, Inner Spring Cap, Rear Spring Hanger, Rear Wheel to Brake Drum, Spindle Bolt, Spindle Connecting Rod. **Truck:** Brake Support, Rear Axle Housing Split, Rear Spring Hanger.

	Each
No. 5660—Weight, 1½ lbs..... **$1 90**	1.20



RATCHET WRENCH
11/16 inch Hex. Opening.

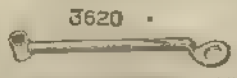
Particularly Designed for Use on the Ford Brake and Reverse Transmission Bands; Opposite end ½" for Use on Slow Speed Connecting Lock Nut. One of the Most Valuable Tools to an Owner on Account of the Ease in Taking up Bands

	Each
No. 4564—Weight, ⅝ lb..... **$3 00**	1.30

All Numbers Packed Five in a Box

WALDEN WRENCHES

For Ford Cars



SPARK PLUG AND CYLINDER HEAD WRENCH

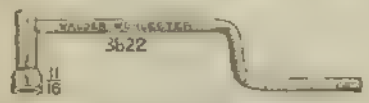
Length Over All, 11 inches. Socket Sizes, 15/16 and 5/8 inch

The ½ inch Hex. Type Opening Has Been So Designed As to Fit Down Squarely on the Spark Plug which is Not True Using Claw or Open End Type.

The 5/8 inch Socket Has Been Shaped to Make it Possible to Take All Cylinder Head Cap Screws, Even the Two Under the Dash on Latest Models.

Used on: Cylinder Head, Spark Plug, Water Cylinder Inlet, Water Cylinder Outlet.

		Each
No. 3620—Weight, 1 ¼ lbs.	**$1 10**	0 75



Socket Size, 11/16 inch Hex.

Used on Fly Wheel Cap Screws, Heretofore Considered an Impossible Place for a Socket Wrench. An Ugly Place Made Accessible.

		Each
No. 3822—Weight, ¾ lb.	**$1 00**	0 66

CONNECTING ROD WRENCH

Fits All Connecting Rod Cap Nuts. Includes the Fourth Connecting Rod. This is an Original Design, the First Wrench [illegible] Fourth Connection Without Removing the Engine. [illegible] Be Sure You Get the Wrench with All Right Angle Bends and Loop Handle. No. 5810 Stamped on Handle.

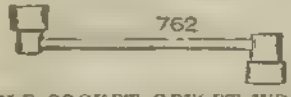
		Each
No. 5810—Weight, 1 lb.	**$0 80**	0.55

SINGLE SOCKET OFFSET WRENCH

Length Over All, 5⅛ inch; Socket Size, ½ inch

Used on: Crank Case Lower Cover, Differential Drive Gear, Rear Axle Housing

		Each
No. 494—Weight, ¼ lb.	**$0 65**	0 44



DOUBLE SOCKET OFFSET WRENCH

Length Over All, 10¾ inches; Socket Sizes, 1 1/16 inch and 1 inch

Used on: Rear Spring Perch Truck; Rear Spring Clip

		Each
No. 762—Weight, 1½ lbs.	**$1 80**	1 21

"TEE FLEX" OR UNIVERSAL JOINT WRENCH

Length Over All, 13¼ inches; Socket Size, 9/16 inch

Used on: Carburetor Flange (On Cars without Self Starter), Commutator Case Support, Cylinder Valve Cover, Inlet and Exhaust Clamp, Universal Ball Cap.

		Each
No. 1018—Weight, 1⅞ lbs.	**$3 80**	2.50

"TEE FLEX" OR UNIVERSAL JOINT WRENCH

Length Over All, 13¼ inches; Socket Size, ⅝ inch

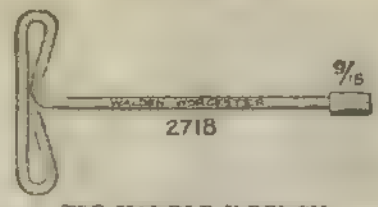
Especially Adapted for Use on the Fourth Connecting Rod

Used on: Connecting Rod, Cylinder Head, Water Cylinder Inlet Connection.

		Each
No. 1020—Weight, 1¾ lbs.	**$3 80**	2 50

WALDEN WRENCHES

For Ford Cars

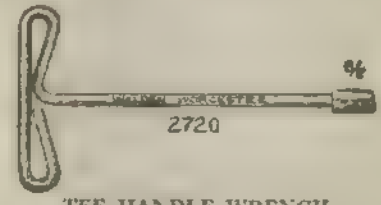


TEE HANDLE WRENCH

Handle 6 inches; Shank, 12 inches. Socket, 9/16 inch

Used on: Commutator Case [illegible] Cylinder Cover, Fan Adjustment, Magnet, Radiator [illegible]

		Each
No. 2718—Weight, 1¾ lbs.	**$0 90**	0 60



TEE HANDLE WRENCH

Handle, 6 inches; Shank, 12 inches; Socket, ⅝ inch

Used on: Commutator Case Support (On Cars with Self Starter), Cylinder Cover, (On Cars with Self Starter), Drive Shaft Roller Bearing.

		Each
No. 2720—Weight, 1¾ lbs.	**$0 90**	0 60

LONG SHANK (11 inches) BRACE SPEED WRENCH

Length Over All, 19¼ inches. Socket Size, 9/16 inch

Used on: Commutator Case [illegible] Crank Case, Cylinder Cover, Fan Adjustment, Magnet, Transmission Case

		Each
No. 6018—Weight, 1⅝ lbs.	**$1 30**	0 88

LONG SHANK (11 inches) BRACE SPEED WRENCH

Length Over All, 19¼ inches; Socket Size, ⅝ inch

Used on: Commutator Case [illegible] Starter), Cylinder Cover (On Cars with Self Starter), Cylinder Head.

		Each
No. 6020—Weight, 1⅝ lbs.	**$1 30**	0.88

LONG SHANK (11 inches) BRACE SPEED WRENCH

Length Over All, 19¼ inches; Socket Size, 11/16 inch

Used on: TRUCK. Rear Axle Housing Split

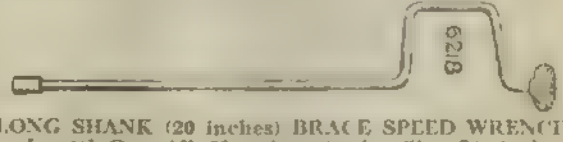
		Each
No. 6022—Weight, 1¾ lbs.	**$1 30**	0 88

SHORT SHANK (5 inches) BRACE SPEED WRENCH

Length Over All, 13⅜ inches; Socket Size, ½ inch

Used on: Crank Case Lower Cover, Differential Drive Gear, Muffler, Rear Axle Housing, Steering Tube Flange.

		Each
No. 6064—Weight, 1 lb.	**$1.15**	0.77



LONG SHANK (20 inches) BRACE SPEED WRENCH

Length Over All, 28 inches; Socket Size, 9/16 inch

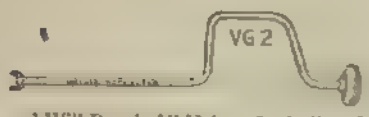
Used on: Front Fender Iron (Side), Radiator Support.

		Each
No. 6218—Weight, 1¾ lbs.	**$1.65**	1.10

All Numbers Packed Five in a Box

WALDEN WRENCHES

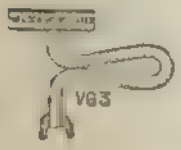
For Ford Cars



VALVE GRINDERS

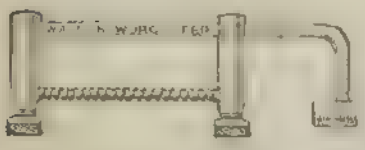
Long Shank Brace Grinder Wrench. Fork End Flexible and Will Reach All Valves Including One Under Dashboard.

	Each
No. VG2—Length 11 inches; Weight 1¼ lbs.	$1 30 0.88



Short Valve Grinder Wrench. All Steel The Original Wire Handle Valve Grinder, Redesigned with ⅝ inch Bar Handle which Swivels on Cone Bearing. The Fork End Fits the Head Perfectly.

	Each
No. VG3—Weight ½ lb.	$0.80 0.55



NUT AND BOLT HOLDING ATTACHMENT

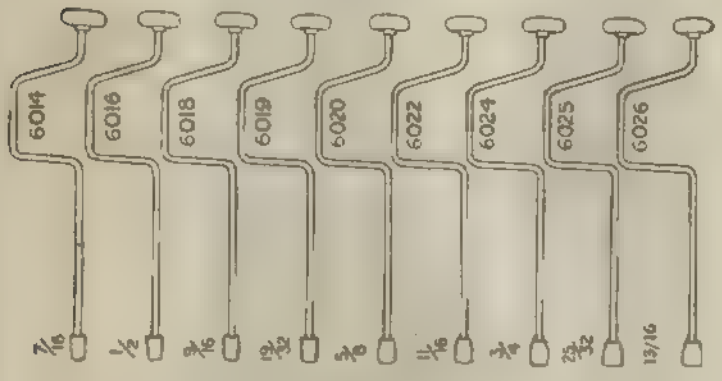
A One Man Tool

It Extension Socket Holds after the Nut or Bolt Head While the Operator Spins it off

Extension Arm is Adjustable for Different Bolt Lengths.

Attachment May be Used in Connection with Either the Brace Speed Wrenches (8000 Series) or the Long Shank Tee Handle Wrenches (2700 Series)

	Each
No. 0416—½ inch Hexagon Bolt Size, Weight 1⅛ lbs.	$3 00 2.00
No. 0418—⅝ inch Hexagon Bolt Size, Weight 1⅛ lbs.	3.00 2.00



Long Shank Brace Socket Wrenches are Used as Speed Tools in Assembling and Dismantling Cars.

Nos.	6014	6016	6018	6019	6020
Socket, inch	⅞	½	⅝	¾	⅝
Each	$0.88	.88	.88	.88	.88
	1.30	1.30	1.30	1.30	1.30
Nos.	**6022**	**6024**	**6025**	**6026**	**6028**
Socket, inch	¾	⅝	¾	¾	⅞
Each	$0 88	.88	.88	.88	.88
	1 30	1.30	1.30	1.30	1.30

Weight Each 1½ lbs.

WALDEN WRENCHES

OFFSET SOCKET WRENCH

7 inch Handle

Nos.	2514	2516	2518	2519	2520
Socket, inch	⅞	½	⅝	¾	⅞
Each	$0.50	.50	.50	.50	.50
	0.75	.75	.75	.75	.75
Nos.	**2523**	**2524**	**2525**	**2526**	**2528**
Socket, inch	¾	⅞	¾	¾	1⅛
Each	$0.50	.50	.50	.50	.50
	0.75	.75	.75	.75	.75

Weight Each ¾ lb.

SHORT SHANK TEE HANDLE

6 inch Handle; 6 inch Shank

Nos.	2614	2616	2618	2619	2620
Size Socket, inch	⅞	½	⅝	¾	⅞
Each	$0.80	.80	.55	.55	.55
	0 80	.80	.80	.80	.80
Nos.	**2622**	**2624**	**2625**	**2626**	**2628**
Size Socket, inch	⅞	¾	¾	¾	1⅛
Each	$0 80	.80	.55	.55	.55
	0 80	.80	.80	.80	.80

Weight Each 1 lb.

LONG SHANK TEE HANDLE WRENCHES

Nos.	2714	2716	2718	2719	2720
Size Socket, inch.	⅞	½	⅝	¾	⅞
Each	$0.60	.60	.60	.60	.60
	0.90	.90	.90	.90	.90
Nos.	**2722**	**2724**	**2725**	**2726**	**2728**
Size Socket, inch.	¾	⅞	¾	¾	1⅛
Each	$0.60	.60	.60	.60	.60
	0.90	.90	.90	.90	.90

Weight Each 1¼ lbs.

DOUBLE POWER SPEED WRENCHES

An Entirely New Design. Shank, 11 inches; Length Over All, 19¾ inches (Less Land Travel); the Losses Throw Gives More Speed; the Grip on Handle is the Grip For Extra Leverage in Releasihg and Final Tightening

Nos.	7014	7016	7018	7019	7020
Size Socket, inch	⅞	½	⅝	¾	⅝
Each	$0 90	.90	.90	.90	.90
	1 35	1.35	1 35	1.35	1.35
Nos.	**7022**	**7024**	**7025**	**7026**	**7028**
Size Socket, inch	¾	⅞	25/32	¾	⅞
Each	$0 90	90	90	90	90
	1.35	1.35	1 35	1 35	1 35

Weight Each, 1¼ lbs.

All Numbers, Five in a Box

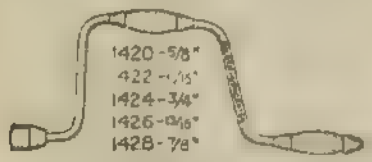
TIRE AND RIM WRENCHES

WALDEN

5 Interchangeable Sockets
⅝, 11/16, ¾, 13/16, ⅞

A New Wrench for Tire and Rim Service. A Very Substantial Brace Made of 5/8 inch Wire, 12 inch Sweep. On Shank of Brace is a Holder for Five Interchangeable Sockets Which are Held by Ball Friction so that Sockets May Not Drop Off. Sockets Include All Standard Sizes. Any Size of Nuts Is Reached. Long Shank on Brace Provides Ample Clearance for All Standard Tires and Rims. Change of Sizes Quickly Accomplished

	Each
No. 1451—Weight Each, 2¾ lbs. $5 35	3 50



BRACE SOCKET WRENCHES

All Steel Braces; Pressed Steel Swivel Handles, Nickel Plated and Polished; Length Over All, 13⅜ inches. Sweep, 10 inch.

	Each
No. 1420—⅝ inch Socket $1 65	1 10

Fits the Following Rims:

Kelsey	Ford	Jaxon	Simplicity

Fits the Following Cars:

Cadillac	Ford	Maxwell	Scripps-Booth
Dodge, 1921	Hudson	Paige	1920 and 1921
Essex	Hupmobile		Studebaker

	Each
No. 1422—11/16 inch Socket $1 65	1 10

Fits the Following Rims:

Firestone	Goodrich	Fisk	Dem
Gorman			

Fits the Following Cars:

Chandler, 1921	Jordan	Packard	Kelo
Cleveland	Locomobile	Peerless	Wi
Haynes	Nash	Pierce-Arrow	Winton

	Each
No. 1424—¾ inch Socket $1 65	1 10

Fits the Following Rims:

Stanwell	Baker	Buick	Continental
Detroit			

Fits the Following Cars:

Buick	Dodge, '18-20	Oakland	Willys-Knight
Chandler 1920	Dort	Oldsmobile	
Chevrolet	Garfoer	Overland	

	Each
No. 1426—13/16 inch Socket $1 65	1 10

Fits the Following Rims:
No 2 Universal and Stanweld

	Each
No. 1428—⅞ inch Socket $1 65	1 10

Fits the Following Truck Rims

Fisk	Goodyear

For Demountable Rims and Disc Wheels; More Speed, Power, Greater Leverage. Loop Handle is for Extra Leverage in Releasing and Final Tightening. The Shank on this Wrench is Five inches Long Providing Extra Clearance for Use on Practically All Disc Wheels.

Nos.	1520	1522	1524	1528
Size Socket, inches	⅝	11/16	¾	⅞
Each	$1 00	1 00	1 00	1 00
	1.50	1.50	1.50	1 50

All Above, Five in a Box; Weight Each, . 4 lbs.

UTILITY ADJUSTABLE

Specially Designed for Removing All Nuts Used in Connection with All Kinds of Demountable Rims, but Can be Utilized for Many Other Purposes.

	Per Dozen
No. URW—Nickel Plated; Weight per Dozen, 20 lbs....	$33 00

Twelfth Dozen in a Carton

TIRE AND RIM WRENCHES

MOSSBERG

All Steel Demountable Rim Wrenches are Actually Designed for Endurance and Facility for Work. Made of ½ inch Steel Bar. Sockets of Heavy Special Steel; End and Center Swivel Grip Steel Handles. Length, 14 inches; Throw, 5¼ inches

All Sizes in Burnished Nickel Finish		Each
No. M361—With ⅝ inch Hex. Socket; Fits Kelsey, Hays, Jackson and Mott Rims	$1 65	1.10
No. M362—With 11/16 inch Hex. Socket; Fits Firestone and Goodrich Rims	1 65	1 10
No. M363—With ¾ inch Hex. Socket; Fits Baker, Detroit, Firestone, Hays, Jackson, Mott, Perlman and Stanweld Rims	1.65	1.10
No. M364—With 13/16 inch Hex. Socket; Fits Stanweld and United Rims	1.65	1.10
No. M365—With ⅞ inch Hex. Socket; Fits Firestone and All Giant Pneumatic Tire Rims	1.65	1.10

Six in a Carton; Weight Each, 10 lbs.

Complete Reference Table of Proper Mossberg Brace Wrenches for Individual Car Demountable Rim Lug Nuts.

Name of Car	Model	Rim Nut Sizes Hex. inches	Brace Wrench Nos.
Apperson	All	13/16	M362
Briscoe	All	¾	M363
[illegible]	1 [illegible]	¾	M363
[illegible]	Current	¾	M361
[illegible]	Current	¾	M361
[illegible]	All	13/16	M362
[illegible]	All	¾	M363
[illegible]	1919-21	13/16	M362
Columbia Six	Current	13/16	M362
Davis 6 Light	All	13/16	M362
Dort	All	¾	M363
Dodge	Current	¾	M361
[illegible]	Current	13/16	M362
Duesenberg	Current	¾	M363
Essex	Current	¾	M361
[illegible]	Current	¾	M363
Ford	Current	¾	M361
Gardner	Current	¾	M363
[illegible]	All	13/16	M362
Hupmobile	Current	¾	M361
Hayes	Current	13/16	M362
Haynes	Current	13/16	M362
[illegible]	Current	¾	M361
Hupmobile	Current	¾	M361
Jordan	All	13/16	M362
King	Current	13/16	M363
R. & V. Knight	Current	13/16	M362
Lafayette	Current	13/16	M362
Liberty	All	13/16	M362
Lincoln	Current	¾	M361
Locomobile	All	¾	M362
McFarlan	Current	¾	M363
Marmon Six	Current	¾	M363
Maxwell	Current	¾	M363
Mercer	Current	13/16	M362
Metz	Current	¾	M363
Mitchell	Current	¾	M363
Moon	1920-21	¾	M362
Nash	681-6	13/16	M362
National	All	13/16	M362
Oakland	1918-21	¾	M363
Oldsmobile	1920-21	¾	M363
Overland	Current	¾	M363
Packard	Current	13/16	M362
Paige	Current	⅝	M361
Peerless	All	13/16	M362
Pierce-Arrow	Current	13/16	M362
Premier	All	13/16	M362
Reo	All	13/16	M362
Saxon Duplex	Current	⅝	M361
Scripps-Booth	Current	¾	M361
Stephens	Current	¾	M363
Studebaker	Current	¾	M361
Templar	Current	13/16	M362
Velie	1918-20	13/16	M362
Westcott	Current	¾	M363
Willys-Knight	Current	¾	M363
Winton	All	13/16	M362

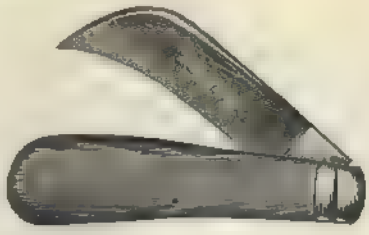
ALBANY HARDWARE & IRON CO.

REMINGTON POCKET KNIVES

R 01

Redwood handle, one blue glazed blade, steel lining, steel bolster.

Packed, ½ doz., weight, ¾ lb.....per doz., **$6.00**



R 701

Pruning knife, cocobolo handle, blue glazed and etched blade, steel lining, steel bolster.

Packed, ½ doz., weight, 1¼ lbs.....per doz., **$12.00**

R 21

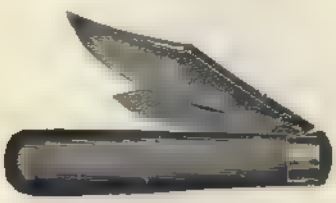
Redwood handle, two blue glazed blades, steel lining, steel bolster

Packed, ½ doz., weight, ⅞ lb.....per doz., **$6.75**

R 4548

Electrician's and radio knife, cocobolo handle, crocus polished and etched blade, brass lining, nickel silver bolsters. Screw driver blade.

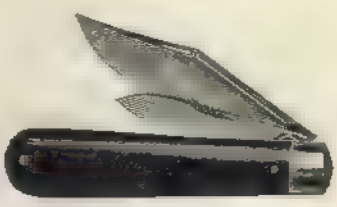
Packed, ½ doz., weight, 1⅜ lbs.....per doz., **$24.00**



R 31

Redwood handle, two blue glazed blades, steel lining, steel bolster.

Packed, ½ doz., weight, ⅞ lb. .....per doz., **$6.75**



R 32

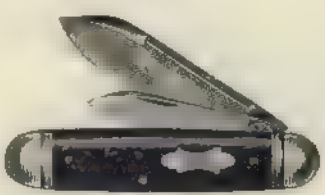
Black handle, two blue glazed blades, steel lining, steel bolster.

Packed, ½ doz., weight, 1 lb. .....per doz., **$6.75**

R 1071

Redwood handle, two crocus polished and etched blades, brass lining, steel bolster.

Packed, ½ doz., weight, 1 lb..... per doz., **$9.00**

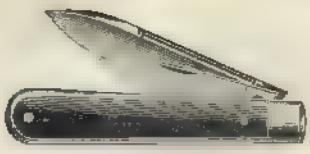


R 552

Black handle, two blue glazed and etched blades, brass lining, steel bolsters.

Packed, ½ doz., weight, 1 lb.....per doz., **$12.00**

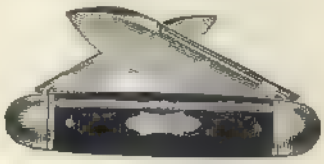
REMINGTON POCKET KNIVES



R 1572

Black handle, two blue glazed blades, steel lining, steel bolster.

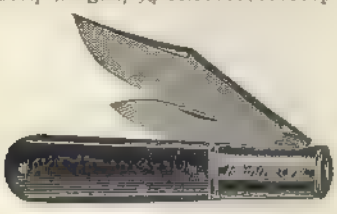
Packed, ½ doz., weight, ¾ lb..... per doz., **$6.00**



R 3442

Black handle, two crocus polished and etched blades, brass lining, nickel silver bolsters.

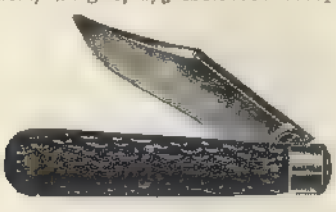
Packed, ½ doz., weight, ¾ lb.....per doz., **$12.00**



R 344

Bone handle, two blue glazed blades, steel lining, steel bolster.

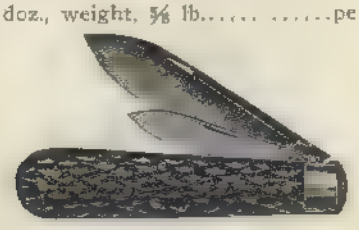
Packed, ½ doz., weight, 1⅛ lbs.....per doz., **$6.75**



R 03

Stag handle, one blue glazed blade, steel lining, steel bolster

Packed, ½ doz., weight, ⅝ lb..... .....per doz., **$6.00**



R 23

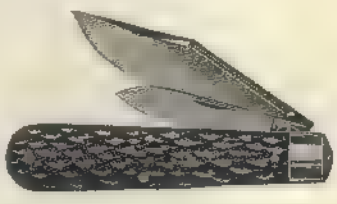
Stag handle, two blue glazed blades, steel lining, steel bolster.

Packed, ½ doz, weight, ⅞ lb.....per doz., **$6.75**

R 23-ch

Stag handle, two blue glazed blades, steel lining, steel bolster. With chain.

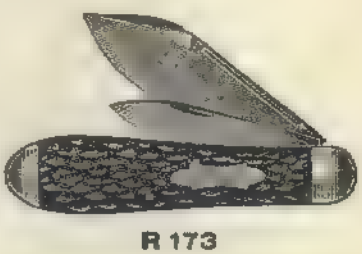
Packed, ½ doz., weight, 1⅛ lbs.....per doz, **$8.00**



R 33

Stag handle, two blue glazed blades, steel lining, steel bolster.

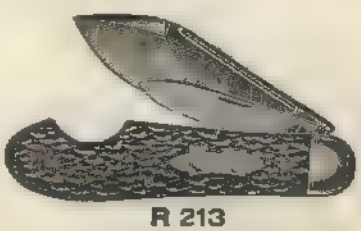
Packed, ½ doz., weight, 1 lb. .....per doz., **$6.75**



R 173

Stag handle, two blue glazed and etched blades, brass lining, steel bolster.

Packed, ½ doz., weight, 1¼ lbs.....per doz., **$13.50**



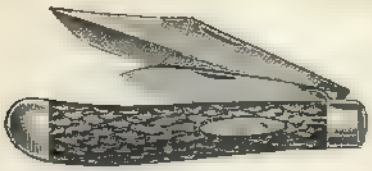
R 213

Stag handle, two blue glazed and etched blades, brass lined, steel bolster.

Packed, ½ doz., weight, 1¼ lbs.....per doz., **$12.00**

ALBANY HARDWARE & IRON CO.

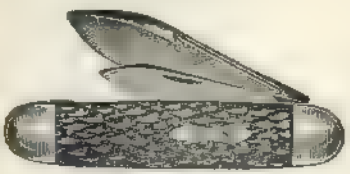
REMINGTON POCKET KNIVES



R 283

Stag handle, two crocus polished and etched blades, brass lining, nickel silver bolsters

Packed, ½ doz., weight, 1⅜ lbs.....per doz., **$17.25**



R 483

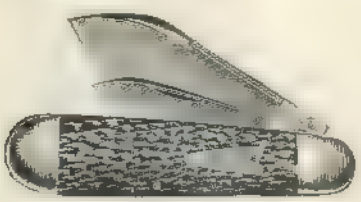
Stag handle, two crocus polished and etched blades, brass lining, nickel silver bolsters.

Packed, ½ doz., weight, 1¼ lbs.....per doz., **$15.00**

R 513

Stag handle, two crocus polished and etched blades, brass lining, nickel silver bolsters.

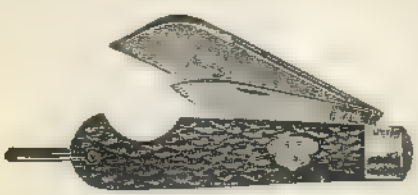
Packed, ½ doz., weight, 1⅛ lbs.....per doz., **$15.00**



R 663

Stag handle, two crocus polished and etched blades, brass lining nickel silver bolsters.

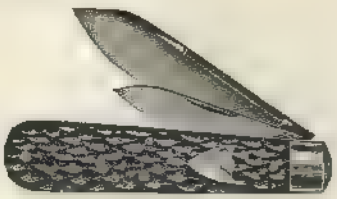
Packed, ½ doz., weight, 1 ¸ lbs.....per doz., **$15.75**



R 963

Stag handle, two crocus polished and etched blades, brass lining, steel bolster. With shackle.

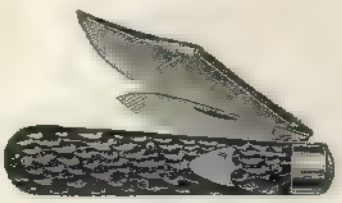
Packed, ½ doz., weight, 1¼ lbs.....per doz., **$13.50**



R 1063

Stag handle, two crocus polished and etched blades, brass lining, steel bolster.

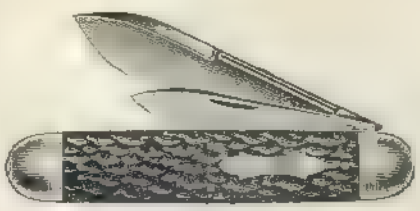
Packed, ½ doz., weight, 1⅛ lbs.....per doz., **$9.00**



R 1073

Stag handle, two crocus polished and etched blades, brass lining, steel bolster.

Packed, ½ doz., weight, 1 lb.....per doz., **$9.00**



R 1213

Stag handle, two crocus polished and etched blades, brass lining, nickel silver bolsters.

Packed, ½ doz., weight, 1⅞ lbs.....per doz., **$18.60**

R 1323

Stag handle, two crocus polished and etched blades, brass lined, nickel silver bolsters.

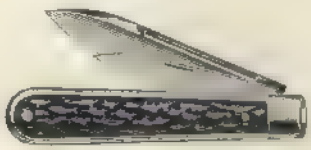
Packed, ½ doz., weight, ¾ lb.....per doz., **$12.80**

REMINGTON POCKET KNIVES

R 1343

Stag handle, two crocus polished and etched blades, brass lining, nickel silver bolsters.

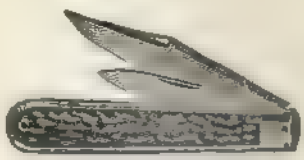
Packed, ½ doz., weight, 1½ lbs.....per doz., **$18.00**



R 1573

Stag handle, two blue glazed blades, steel lining, steel bolster

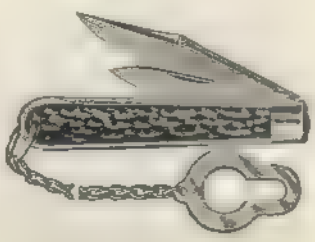
Packed, ½ doz., weight, ¾ lb.....per doz., **$6.00**



R 1623

Stag handle, two blue glazed blades, steel lining, steel bolster.

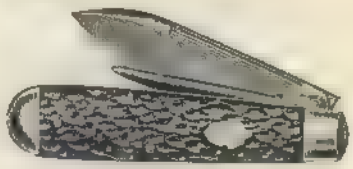
Packed, ½ doz., weight, ¾ lb. .....per doz., **$6.00**



R 1623 CH.

Stag handle, two blue glazed blades, steel lined, steel bolster. With chain.

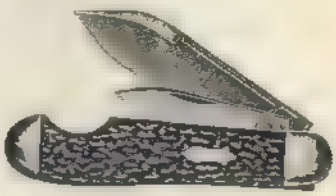
Packed, ½ doz., weight, 1 lb.....per doz., **$7.20**



R 1733

Stag handle, spear blade polished and etched, punch blade blued and polished, brass lining, nickel silver cap and bolster

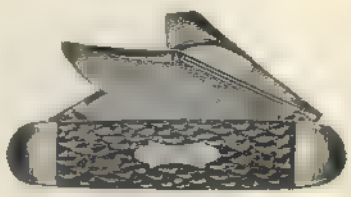
Packed, ½ doz., weight, 1⅛ lbs.....per doz., **$13.50**



R 1773

Stag handle, spear blade crocus polished and etched, pen blade blue glazed brass lining, nickel silver shield.

Packed, ½ doz., weight, 1⅛ lbs.....per doz., **$12.00**



R 3203

Stag handle, three blue glazed and etched blades, brass lining steel bolsters

Packed, ½ doz., weight, 1¼ lbs. . . per doz., **$18.00**

R 3373

Stag handle, two crocus polished and etched blades, brass lining, nickel silver bolsters.

Packed, ½ doz., weight, 1⅛ lbs.....per doz., **$16.15**

ALBANY HARDWARE & IRON CO.

REMINGTON POCKET KNIVES

R 3443

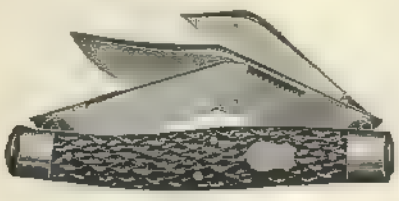
Stag handle, two crocus polished and etched blades, brass lining, nickel silver bolsters

Packed, ½ doz., weight, ¾ lb.....per doz, **$12.00**

R 3533

Stag handle, two crocus polished and etched blades, brass lining, nickel silver bolsters.

Packed, ½ doz., weight, ⅝ lb. .....per doz., **$15.00**



R 3553

Stag handle, three blue glazed and etched blades, brass lining, steel bolsters.

Packed, ½ doz., weight, 1¼ lbs per doz., **$18.00**

R 4003

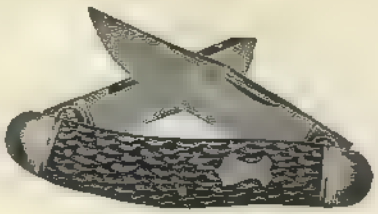
Stag handle, two crocus polished and etched blades, brass lining, nickel silver bolsters

Packed, ½ doz., weight, ⅝ lbs.....per doz., **$15.00**

R 4223

Stag handle, three crocus polished and etched blades, brass lining, nickel silver bolsters

Packed, ½ doz., weight, 1 lb . . per doz., **$18.00**



R 4253

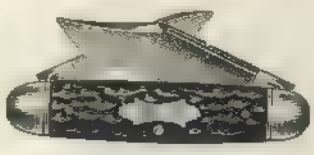
Stag handle, two crocus polished and etched blades, nickel silver lining, nickel silver bolsters.

Packed, ½ doz., weight, 1 lb.....per doz., **$18.00**

R 4413

Stag handle, three crocus polished and etched blades, brass lining, nickel silver bolsters.

Packed, ½ doz., weight, ⅞ lb. ..... per doz., **$18.00**



R 4473

Stag handle, two crocus polished and etched blades, brass lining, nickel silver bolsters.

Packed, ½ doz., weight, ¾ lb.....per doz., **$12.00**

R 6463

Stag handle, two crocus polished and etched blades, brass lining, nickel silver bolsters.

Packed, ½ doz., weight, ½ lb.....per doz., **$12.00**

R 6483

Stag handle, two crocus polished and etched blades, brass lining, nickel silver bolsters

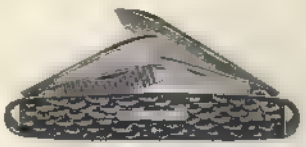
Packed, ½ doz., weight, ½ lb.....per doz., **$12.00**

REMINGTON POCKET KNIVES

R 6643

Stag handle, two crocus polished and etched blades, brass lining, nickel silver bolsters

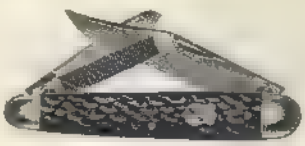
Packed, . doz., weight, ⅝ lb.....per doz., **$12.00**



R 6713

Stag handle, three crocus polished and etched blades, nail file, brass lining, nickel silver bolsters.

Packed, ½ doz., weight, ½ lb.....per doz., **$21.00**



R 6723

Stag handle, two crocus polished and etched blades, nail file, brass lining, nickel silver bolsters.

Packed, ½ doz., weight, ⅝ lb..... ..per doz., **$20.25**

R 7423

Stag handle, two crocus polished and etched blades brass lining, nickel silver bolsters.

Packed, ½ doz., weight, ½ lb. . per doz., **$12.00**

R 7493

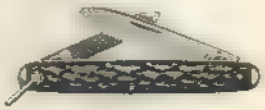
Stag handle, three crocus polished and etched blades, nickel silver lining, nickel silver bolsters.

Packed, ½ doz., weight, ⅝ lb. . per doz., **$24.00**

R 7643

Stag handle, two crocus polished and etched blades, nickel silver lining, nickel silver bolsters.

Packed, ½ doz., weight, ½ lb.....per doz., **$13.50**



R 7713

Stag handle, one crocus polished blade, nail file, nickel silver lining, nickel silver bolsters. With shackle.

Packed, ½ doz., weight, ¼ lb.....per doz., **$12.00**

R 7773

Stag handle, two blue glazed and etched blades, steel lining, steel bolsters.

Packed, ½ doz., weight, ½ lb.....per doz., **$7.20**

R 6919

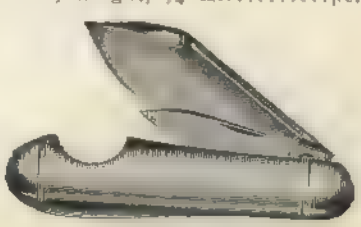
Nickel silver handle, two crocus polished blades, nickel silver shackle.

Packed, ½ doz., weight, ⅛ lb..... per doz., **$12.00**

R 7339

Nickel silver handle, two crocus polished and etched blades. With shackle.

Packed, ½ doz., weight, ¼ lb.....per doz., **$12.00**



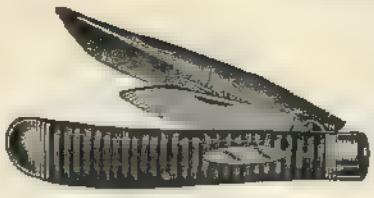
R 219

Brass handle, two crocus polished and etched blades

Packed, ½ doz., weight, 2 lbs.....per doz., **$16.50**

ALBANY HARDWARE & IRON CO.

REMINGTON POCKET KNIVES



R 315

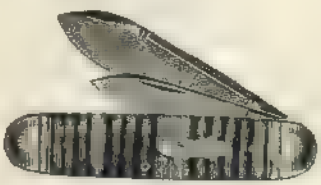
Pyremite handle, two crocus polished and etched blades, brass lining, nickel silver bolsters

Packed, ½ doz., weight, 1⅛ lbs. ...per doz., **$18.00**

R 515

Pyremite handle, two crocus polished and etched blades, brass lining, nickel silver bolsters

Packed, ½ doz., weight 1⅛ lbs ... per doz., **$15.00**



R 555

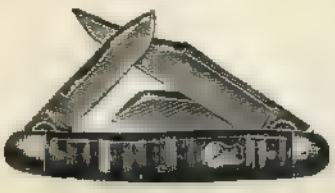
Pyremite handle, two blue glazed and etched blades brass lining, steel bolsters.

Packed, ½ doz., weight, ⅜ lb. ....per doz., **$13.50**

R 675

Pyremite handle, two crocus polished and etched blades, brass lining, nickel silver bolsters

Packed, ½ doz., weight, ⅝ lb ..... per doz., **$13.50**



R 3505

Pyremite handle, three crocus polished and etched blades, nickel silver lining, nickel silver bolsters.

Packed, ½ doz., weight, ⅝ lb.....per doz., **$21.00**

R 6175

Pyremite handle, two crocus polished blades, brass lining.

Packed, ½ doz., weight, ⅝ lb .. .per doz., **$13.50**

R 6465

Pyremite handle, two crocus polished and etched blades, brass lining, nickel silver bolsters

Packed, ½ doz., weight ⅝ lb.....per doz., **$12.00**

R 874

Pearl handle, two crocus polished and etched blades nickel silver lining, nickel silver bolsters

Packed, ½ doz., weight, ⅝ lb..... .. per doz., **$22.50**

R 1324

Pearl handle, two crocus polished and etched blades, brass lining, nickel silver bolsters

Packed, ½ doz., weight, ⅝ lb.. ..... per doz., **$24.00**

R 6424

Pearl handle, two full crocus polished blades, manicure blade, nickel silver lining

Packed, ½ doz., weight, ⅜ lb.....per doz., **$42.00**

R 6464

Pearl handle, two crocus polished and etched blades, nickel silver lining, nickel silver bolsters.

Packed, ½ doz., weight, ⅜ lb.. .....per doz., **$27.00**

REMINGTON POCKET KNIVES

R 6494

Pearl handle, two crocus polished and etched blades, nickel silver lining.

Packed, ½ doz., weight, ⅜ lb.....per doz., **$31.50**

R 6504

Pearl handle, two crocus polished and etched blades, nickel silver lining, nickel silver bolsters. With shackle

Packed, ½ doz., weight, ⅜ lb.....per doz., **$31.50**

R 6634

Pearl handle, three full crocus polished blades, nickel silver lining, nickel silver bolsters.

Packed, ½ doz., weight, ½ lb..... ..per doz., **$36.00**

R 6714

Pearl handle, three full crocus polished and etched blades, manicure blade, nickel silver lining, nickel silver bolsters.

Packed, ½ doz., weight, ½ lb.....per doz., **$42.00**

R 6904

Pearl handle, two crocus polished blades, nickel silver lining, nickel silver bolsters. With shackle.

Packed, ½ doz., weight, ¼ lb..... .....per doz., **$18.00**

R 6914

Pearl handle, two crocus polished blades, nickel silver lining.

Packed, ½ doz., weight, ¼ lb.....per doz., **$18.00**

R 7074

Pearl handle, one full crocus polished blade, manicure blade, nickel silver lining. With shackle.

Packed, ½ doz., weight, ¼ lb.....per doz. **$31.50**

R 7374

Pearl handle, two full crocus polished blades, manicure blade, nickel silver lining

Packed, ½ doz., weight, ⅜ lb..... .per doz., **$45.00**

KNIFE PURSES

No. 325

Grey buckskin, with glove snap fastener

Size	Length	Packed	Weight	Per Doz
2	3 in.	4 doz.	6 oz.	**$1.35**
3	3¼ in.	4 doz.	6 oz.	**1.35**
4	3½ in.	4 doz.	7 oz.	**1.35**
5	3¾ in.	4 doz.	8 oz.	**1.35**
6	4 in.	4 doz.	9 oz.	**1.35**

HOLLY BOXES

We can supply Holly decorated gift boxes for pocket knives, for the holiday trade and invite your inquiries for samples and prices.

ALBANY HARDWARE & IRON CO.

PEARL HANDLE POCKET KNIVES

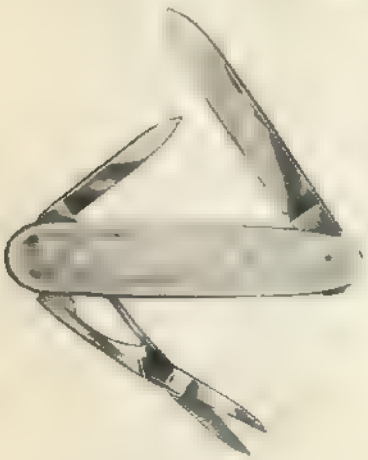
The pocket knives on this page are only representative of our line of imported goods.

Our salesmen will gladly display our complete line, to which we are constantly adding.

No. 947

1 small blade, 1 large blade, 1 pair scissors. Brass lined. German silver bolsters.

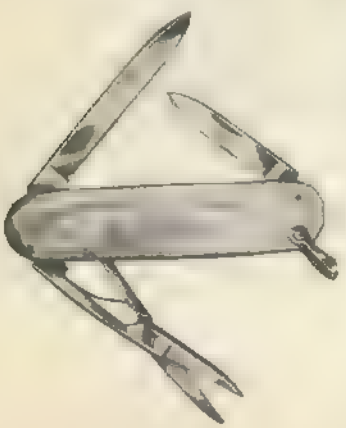
Packed, ½ doz., weight, ½ lb.,
. . . . . per doz., **$30.00**



No. 2104

1 small blade, 1 large blade, 1 pair scissors. Brass lined

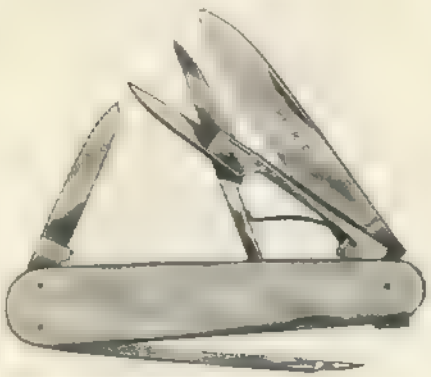
Packed, ½ doz., weight, ½ lb.,
..... per doz., **$42.00**



No. 505

1 small blade, 1 large blade, 1 pair scissors, chain ring. Brass lined.

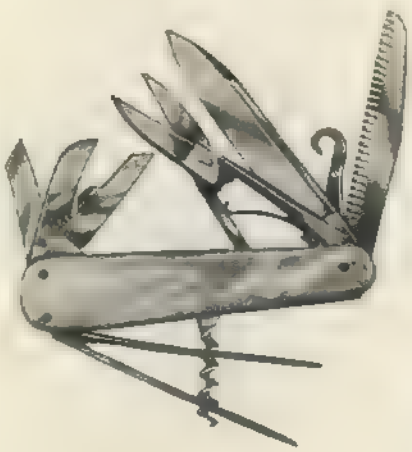
Packed, ½ doz., weight, ⅛ lb.,
..... per doz., **$30.00**



No. 54337

1 small blade, 1 large blade, 1 nail file, 1 pair scissors. Brass lined

Packed, ½ doz., weight, ¼ lb.
. . .. per doz. **$60.00**



No. 3059

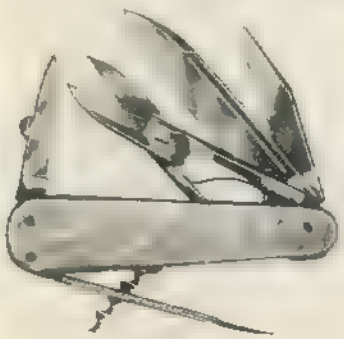
3 small blades, 1 large blade, 1 nail file, 1 pair scissors, 1 cork screw, 1 saw, 1 punch, 1 button hook. Brass lined.

Packed, ½ doz., weight, 1 lb.,
..... per doz., **$72.00**

No. 3081

1 small blade, 1 large blade, 1 nail file, 1 pair scissors. Brass lined.

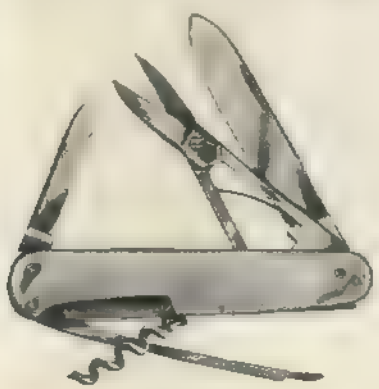
Packed, ½ doz., weight, ⅜ lb.,
. per doz., **$36.00**



No. 3058

2 small blades, 1 large blade, 1 nail file, 1 pair scissors, 1 cork screw. Brass lined.

Packed, ½ doz., weight, ¾ lb.,
. . per doz., **$60.00**



No. 469

1 small blade, 1 large blade, 1 nail file, 1 pair scissors, 1 cork screw. Brass lined.

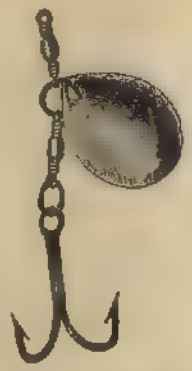
Packed, ½ doz., weight, ½ lb.,
..... per doz., **$54.00**

TROUT SPINNERS

Nickel plated, polished spinner, with single sproat hook.

Nos.	0NS	1NS	2NS
Size spoon, in.	⅜×⅝	½×1⅛	⅝×¾
Size hook	10	8	6
Per dozen	$1.70	1.70	1.70

ONE DOZEN ON A CARD



Nickel plated, polished spinner with treble hook.

Nos.	0NT	1NT	2NT
Size spoon, in.	⅜×⅝	½×1⅛	⅝×¾
Size hook	10	8	6
Per dozen	$1.90	1.90	1.90

Brass, polished spinner, with treble hook.

Nos.	0BT	1BT	2BT
Size spoon, in.	⅜×⅝	½×1⅛	⅝×¾
Size hook	10	8	6
Per dozen	$1.90	1.90	1.90

Spinner is copper in convex, nickel on concave side, with treble hook.

Nos.	0CT	1CT	2CT
Size spoon, in.	⅜×⅝	½×1⅛	⅝×¾
Size hook	10	8	6
Per dozen	$1.90	1.90	1.90

ONE DOZEN ON A CARD

Pearl spinners with single sproat hook.

Nos.	0PS	1PS	2PS
Size spoon, in.	⅜×⅝	½×1⅛	⅝×¾
Size hook	10	8	6
Per dozen	$2.00	2.00	2.00

ONE DOZEN ON A CARD

Pearl spinner with treble hook.

Nos.	0PT	1PT	2PT
Size spoon, in.	⅜×⅝	½×1⅛	⅝×¾
Size hook	10	8	6
Per dozen	$2.25	2.25	2.25

ONE DOZEN ON A CARD

Pearl spinner with fly on single hook.

Nos.	0PF	1PF	2PF
Size spoon in.	⅜×⅝	½×1⅛	⅝×¾
Size hook	10	8	6
Per dozen	$3.30	3.30	3.30

ONE DOZEN ON A CARD

Nickel plated, polished spinner with fly on single sproat hook.

Nos.	0NF	1NF	2NF
Size spoon, in.	⅜×⅝	½×1⅛	⅝×¾
Size hook	10	8	6
Per dozen	$3.10	3.10	3.10

ONE DOZEN ON A CARD

Copper spinner, brass plated, with single sproat hook.

Nos.	0BS	1BS	2BS
Size spoon, in.	⅜×⅝	½×1⅛	⅝×¾
Size hook	10	8	6
Per dozen	$1.70	1.70	1.70

Brass spinner, copper on convex, nickel on concave side with single sproat hook.

Nos.	0CS	1CS	2CS
Size spoon, in.	⅜×⅝	½×1⅛	⅝×¾
Size hook	10	8	6
Per dozen	$1.70	1.70	1.70

ONE DOZEN ON A CARD

Brass, polished spinner, with fly and single sproat hook.

Nos.	0BF	1BF	2BF
Size spoon, in.	⅜×⅝	½×1⅛	⅝×¾
Size hook	10	8	6
Per dozen	$3.10	3.10	3.10

Copper spinner, copper on convex, nickled on concave side, with fly and single sproat hook.

Nos.	0CF	1CF	2CF
Size spoon, in	⅜×⅝	½×1⅛	⅝×¾
Size hook	10	8	6
Per dozen	$3.10	3.10	3.10

ONE DOZEN ON A CARD

COLORADO SPINNER ASSORTMENTS

No. 122—12 spinners on a card, cards perforated so that the spinners can be sold one at a time. Made up of one each of the following numbers of spinners:

0PT	0NT	0CF	0BT
0PS	0NS	0BS	0CT
0PF	0NF	0BF	0CS

Per assortment $2.50

ONE DOZEN ON A CARD

GRASSHOPPER

No. 10—Grasshopper, cork body with hooks fastened to inside of body, natural and is green color, asserted 4, 6 and 8 hooks; w't per doz. 3oz., assorted six on a card,

per dozen $7.20

HALF DOZEN ON A CARD

WATERWITCH BUTTERFLY

No. 403—A bass bait designed especially for casting over weeds and lily pads. This is strictly a surface bait. Has the action of a bird skimming the surface of the water. Made on 4-0 extra long shank, imported Hollow Point Sproat Hook. Made perfectly weedless with a rubber bulb attachment and re-inforced rubber wings which hold the bait right side up at all times, w't per doz. 6 oz. .....per dozen $7.50

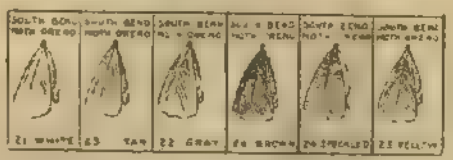
ONE ON A CARD, ONE CARD IN A BOX

SPOKANE BELLE

No. 402—A high grade bucktail bass fly, the wings being made of genuine deertail hair and the body of imported silk chenille. Tied on No. 3-0 Hollow Point Ringed Eye Sneck Hooks. Can be attached to spinners .....per dozen $4.80

ONE DOZEN ON A CARD

MOTH ORENO



No. 340—Cork body floating fly, imitation of natural moth, hook size No. 8, turn-down eye, hollow point, assorted six on a card,

per dozen $5.60

HALF DOZEN ON A CARD
ONE DOZEN IN A BOX

GREEN BAY FLY

IT FLOATS

No. 401—Scientifically constructed with indestructible gauze wings, re-inforced cork body on a size 6 or 8 Hollow Point Pennell Hook. This fly always alights in a natural upright position. For trout, bass and crappies, w't per card 6 oz., per dozen $4.80

THREE ON A CARD

WATERWITCH DRAGON FLY

IT FLOATS

No. 400—These flies have re-inforced gauze wings, quill body, feather light and tied to No. 2 and 6 Hollow Point Aberdeen Hooks, with double gut loop. For trout and bass. Assorted colors mounted on a display card .....per dozen $4.80

THREE ON A CARD

HAIR FLIES

No. 300—These flies are dressed with a loose short hair body and long wings which have very life-like motion when drawn thru the water. For trout and bass. Made on imported Hollow Point Pennell Sproat Hooks, sizes 4, 6, 8 and 10 asstd., per dozen $3.30

ONE DOZEN ON A CARD

Hibbard HARDWARE FOR HARD~WEAR

PERFECT EYED BASS FLIES

No. 8—The bodies are made of the highest quality silk decorated with gold or silver cord hurl, have very natural wings and hackles and are dressed on imported Hollow Point, bronzed, Sproat Hooks; every fly is guaranteed perfect in quality and workmanship; sizes 1-0 and 2-0 hooks, in the following patterns carried in stock:

Ibis	Professor
Lord Baltimore	White Miller
Light Montreal	Yellow May

Per dozen $3 70

ONE DOZEN ASSORTED ON A CARD

OVD SPINNER FLIES

No. 9—The highest grade spinner fly which can be produced; finest decorated silk bodies dressed on imported Hollow Point Ringed Eye Hooks, full feather winged, having quill through the center, extra heavy natural hackles; all wrappings coated with water-proof dressing; in sizes 4, 2 and 1 hooks, w't per gross 1½ lbs.

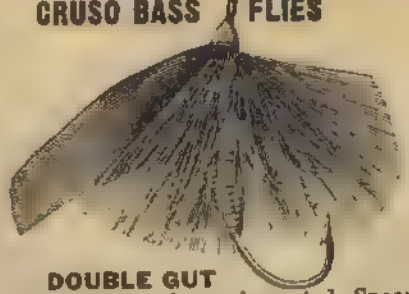
The following patterns are carried in stock:

Buck Tail	Parm. Belle
Coachman	Professor
Grizzly King	Red Hackle
Ibis	Silver Doctor
Lord Baltimore	White Miller
McGinty	Yellow May
Montreal	Royal Coachman
Orange Miller	

per gross $30.00

ONE DOZEN IN A BOX

CRUSO BASS FLIES



DOUBLE GUT

No. 6—Dressed on imported Spear Point, bronzed, Sproat Hooks, with yarn bodies and flat folded wings. Every fly is guaranteed perfect in quality and workmanship, w't per 2 oz., sizes 1 and 1-0 hooks in the following patterns, carried in stock:

Black Gnat	McGinty
Brown Hackle	Parmacheane Belle
Coachman	Professor
Gray Hackle	Silver Doctor
Ibis	White Miller
March Brown	Yellow May

per dozen $2.20

TWELVE ASSORTED PATTERNS ON A CARD. ONE CARD IN A BOX

LARGE BASS AND MUSKY FLIES

No. 11—Furnished in Ringed Eye, sizes 3-0 and 5-0 imported Hollow Point bronzed Sneck or Sproat Hooks, in the following patterns: Ibis and Parmacheane Belle; w't per gro. 6 lbs. per gross $68 00

ONE ON A CARD, ONE DOZEN IN A BOX

WISCONSIN BASS FLIES

No. 5—Finest quality, imported Hollow Point, Ringed Eye Hooks, dressed with chenille bodies and long streamer wings, which conceal the hook when in motion. The long wings act as a tail with a very life-like wiggle. Can be used with or without a spinner, assorted sizes 2 and 4 hooks, w't per doz. 1½ oz., per dozen $3 50

ONE DOZEN ASSORTED ON A CARD

OVD BASS FLIES

DOUBLE GUT

No. 7—These flies have flat folded wings and hackles decorated with gold or silver tinsel hurl on imported File Point, bronzed Sproat Hooks. Every fly is guaranteed perfect in quality and workmanship. W't per doz. 3 oz., sizes 1 and 1-0 hooks in the following patterns carried in stock:

Black Gnat	McGinty
Brown Hackle	Parmacheane Belle
Coachman	Professor
Gray Hackle	Silver Doctor
Ibis	White Miller
March Brown	Yellow May

per dozen $2.40

TWELVE ASSORTED PATTERNS ON A CARD. ONE CARD IN A BOX.

WATERPROOF BODY WEEDLESS BASS FLIES

No. 10—Dressed on Hollow Point, imported bronze Sproat Hooks, and made with water-proof weighted bodies, finely enameled with heavy inverted wings and extra heavy hackles. The bodies are guaranteed not to scale, crack or fade. In sizes 1, 1-0 and 2-0 hooks, w't per gross 6 lbs.

The following patterns are carried in stock:

Ibis	White Miller
Professor	Montreal
Lord Baltimore	Yellow May

per gross $62.00

ONE DOZEN ON A CARD

HILDEBRANDT SPINNERS

WITHOUT HOOK OR FLY

These spinners are hand-made from very best materials, and have been CATCHING FISH for more than 23 years. Highly polished ALL NICKEL. ALL COPPER or ALL BRASS blades, ball bearing, mounted on steel tinned music wire with reversible hinge lug. Snap connection on all baits allows any kind of hook or fly to be used. SLIM ELI Style spins very close to the shaft and looks like o minniww—IDAHO Style spins out wide—STANDARD Style spins medium. Small sizes for FLY-FISHING, larger sizes for CASTING OR TROLLING for ALL GAME FISH.

STANDARD

SOUTH BEND

SINGLE SPINNER

No. 1938N—Nickel—

Size, Spoon	0	1	2	3	4
L'gth, blade, in.	½	⅝	¾	1⅛	1⅜
Per dozen	$1.80	1.80	1.80	2.40	3.00

No. 1938C—Copper—

Size, Spoon	0	1	2	3	4
L'gth, blade, in.	½	⅝	¾	1⅛	1⅜
Per dozen	$1.80	1.80	1.80	2.40	3.00

No. 1938B—Brass

Size, Spoon	0	1	2	3	4
L'gth, blade, in.	½	⅝	¾	1⅛	1⅜
Per dozen	$1.80	1.80	1.80	2.40	3.00

ONE ON A CARD. ONE DOZEN IN A BOX

DOUBLE SPINNER

No. 1939N—Nickel—

Size, Spoon	00	A	B	C	E
L'gth, blade, in.	½	⅝	¾	1⅛	1⅜
Per dozen	$3.00	3.00	3.00	3.60	4.20

No. 1939C—Copper—

Size, Spoon	00	A	B	C	E
L'gth, blade, in.	½	⅝	¾	1⅛	1⅜
Per dozen	$3.00	3.00	3.00	3.60	4.20

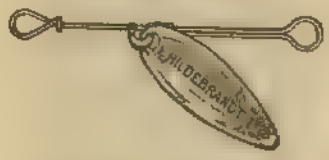
No. 1939B—Brass—

Size, Spoon	00	A	B	C	E
L'gth, blade, in.	½	⅝	¾	1⅛	1⅜
Per dozen	$3.00	3.00	3.00	3.60	4.20

ONE ON A CARD. ONE DOZEN IN A BOX

SLIM ELI

HILDEBRANDT



SINGLE SPINNER

No. 1940N—Nickel—

Size, Spoon	0	1	2	3	4
L'gth, blade, in.	½	⅝	¾	1⅛	1⅜
Per dozen	$1.80	1.80	1.80	2.40	3.00

No. 1940C—Copper—

Size, Spoon	0	1	2	3	4
L'gth, blade, in.	½	⅝	¾	1⅛	1⅜
Per dozen	$1.80	1.80	1.80	2.40	3.00

No. 1940B—Brass—

Size, Spoon	0	1	2	3	4
L'gth, blade, in.	½	⅝	¾	1⅛	1⅜
Per dozen	$1.80	1.80	1.80	2.40	3.00

ONE ON A CARD. ONE DOZEN IN A BOX

DOUBLE SPINNER

No. 1941N—Nickel—

Size, Spoon	00	A	B	C	E
L'gth, blade, in.	½	⅝	¾	1⅛	1⅜
Per dozen	$3.00	3.00	3.00	3.60	4.20

No. 1941C—Copper—

Size, Spoon	00	A	B	C	E
L'gth, blade, in.	½	⅝	¾	1⅛	1⅜
Per dozen	$3.00	3.00	3.00	3.60	4.20

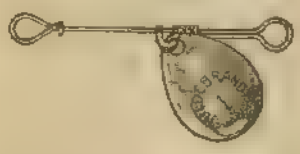
No. 1941B—Brass—

Size, Spoon	00	A	B	C	E
L'gth, blade, in.	½	⅝	¾	1⅛	1⅜
Per dozen	$3.00	3.00	3.00	3.60	4.20

ONE ON A CARD. ONE DOZEN IN A BOX

IDAHO

HILDEBRANDT



SINGLE SPINNER

No. 1942N—Nickel—

Size, Spoon	0	1	2	3	4
L'gth, blade, in.	½	⅝	¾	1⅛	1⅜
Per dozen	$1.80	1.80	1.80	2.40	3.00

No. 1942C—Copper—

Size, Spoon	0	1	2	3	4
L'gth, blade, in.	½	⅝	¾	1⅛	1⅜
Per dozen	$1.80	1.80	1.80	2.40	3.00

No. 1942B—Brass—

Size, Spoon	0	1	2	3	4
L'gth, blade, in.	½	⅝	¾	1⅛	1⅜
Per dozen	$1.80	1.80	1.80	2.40	3.00

ONE ON A CARD. ONE DOZEN IN A BOX

DOUBLE SPINNER

No. 1943N—Nickel—

Size, Spoon	00	A	B	C	E
L'gth, blade, in.	½	⅝	¾	1⅛	1⅜
Per dozen	$3.00	3.00	3.00	3.60	4.20

No. 1943C—Copper—

Size, Spoon	00	A	B	C	E
L'gth, blade, in.	½	⅝	¾	1⅛	1⅜
Per dozen	$3.00	3.00	3.00	3.60	4.20

No. 1943B—Brass—

Size, Spoon	00	A	B	C	E
L'gth, blade, in.	½	⅝	¾	1⅛	1⅜
Per dozen	$3.00	3.00	3.00	3.60	4.20

ONE ON A CARD. ONE DOZEN IN A BOX

GENUINE HILDEBRANDT SPINNERS

EQUIPPED WITH FLIES

These spinners are hand-made from very best materials, and have been CATCHING FISH for more than 23 years. Highly polished ALL NICKEL, ALL COPPER or ALL BRASS blades—ball bearing—mounted on steel tinned piano wire with reversible hinge lug. Snap connection on all spinners allows any kind of hook or fly to be used. SLIM ELI Style spins very close to shaft and looks much like a minnow. IDAHO Style spins out wide—STANDARD Style spins medium. Small sizes for FLY-FISHING—larger sizes for CASTING or TROLLING for ALL GAME FISH. All tied on H. P. Sneck bronzed rust-proof hooks.

Equipped with assorted patterns of flies—½ dozen Fancy Feathered Patterns—½ dozen assorted Bucktail and ½ dozen assorted Squirrel Tail to each dozen.

SINGLE SPINNERS

STANDARD

No. 1944N—Nickel

Size, Spoon	0	1	2
Size, Hook	10	6 and 8	4 and 2
Per dozen	$3.60	3.60	3.60
Size, Spoon	3	4	
Size, Hook	2 and 1-0	2-0 and 3-0	
Per dozen	$4.80	5.40	

No. 1944C—Copper—

Size, Spoon	0	1	2
Size, Hook	10	6 and 8	4 and 2
Per dozen	$3.60	3.60	3.60
Size, Spoon	3	4	
Size, Hook	2 and 1-0	2-0 and 3-0	
Per dozen	$4.80	5.40	

No. 1944B—Brass—

Size, Spoon	0	1	2
Size, Hook	10	6 and 8	4 and 2
Per dozen	$3.60	3.60	3.60
Size, Spoon	3	4	
Size, Hook	2 and 1-0	2-0 and 3-0	
Per dozen	$4.80	5.40	

ONE ON A CARD
ONE DOZEN IN A BOX

ONE ON A CARD
ONE DOZEN IN A BOX

SLIM ELI

No. 1946N—Nickel—

Size, Spoon	0	1	2
Size, Hook	10	6 and 8	4 and 2
Per dozen	$3.60	3.60	3.60
Size, Spoon	3	4	
Size, Hook	2 and 1-0	2-0 and 3-0	
Per dozen	$4.80	5.40	

No. 1946C—Copper—

Size, Spoon	0	1	2
Size, Hook	10	6 and 8	4 and 2
Per dozen	$3.60	3.60	3.60
Size, Spoon	3	4	
Size, Hook	2 and 1-0	2-0 and 3-0	
Per dozen	$4.80	5.40	

No. 1946B—Brass—

Size, Spoon	0	1	2
Size, Hook	10	6 and 8	4 and 2
Per dozen	$3.60	3.60	3.60
Size, Spoon	3	4	
Size, Hook	2 and 1-0	2-0 and 3-0	
Per dozen	$4.80	5.40	

IDAHO

No. 1948N—Nickel—

Size, Spoon	0	1	2
Size, Hook	10	6 and 8	4 and 2
Per dozen	$3.60	3.60	3.60
Size, Spoon	3	4	
Size, Hook	2 and 1-0	2-0 and 3-0	
Per dozen	$4.80	5.40	

No. 1948C—Copper—

Size, Spoon	0	1	2
Size, Hook	10	6 and 8	4 and 2
Per dozen	$3.60	3.60	3.60
Size, Spoon	3	4	
Size, Hook	2 and 1-0	2-0 and 3-0	
Per dozen	$4.80	5.40	

No. 1948B—Brass—

Size, Spoon	0	1	2
Size, Hook	10	6 and 8	4 and 2
Per dozen	$3.60	3.60	3.60
Size, Spoon	3	4	
Size, Hook	2 and 1-0	2-0 and 3-0	
Per dozen	$4.80	5.40	

ONE ON A CARD.
ONE DOZEN IN A BOX

TANDEM SPINNERS

STANDARD

No. 1945N—Nickel—

Size, Spoons	00	A	B
Size, Hook	8 and 10	6 and 4	2
Size, Spoon	C	E	
Per dozen	$4.80	4.80	5.40
Size, Hook	1-0	3-0 and 4-0	
Per dozen	$6.00	7.20	

No. 1945C—Copper—

Size, Spoons	00	A	B
Size, Hook	8 and 10	6 and 4	2
Per dozen	$4.80	4.80	5.40
Size, Spoon	C	E	
Size, Hook	1-0	3-0 and 4-0	
Per dozen	$6.00	7.20	

No. 1945B—Brass—

Size, Spoons	00	A	B
Size, Hook	8 and 10	6 and 4	2
Per dozen	$4.80	4.80	5.40
Size, Spoon	C	E	
Size, Hook	1-0	3-0 and 4-0	
Per dozen	$6.00	7.20	

ONE ON A CARD
ONE DOZEN IN A BOX

ONE ON A CARD.
ONE DOZEN IN A BOX

SLIM ELI

No. 1947N—Nickel—

Size, Spoons	00	A	B
Size, Hook	8 and 10	6 and 4	2
Per dozen	$4.80	4.80	5.40
Size, Spoon	C	E	
Size, Hook	1-0	3-0 and 4-0	
Per dozen	$6.00	7.20	

No. 1947C—Copper—

Size, Spoons	00	A	B
Size, Hook	8 and 10	6 and 4	2
Per dozen	$4.80	4.80	5.40
Size, Spoon	C	E	
Size, Hook	1-0	3-0 and 4-0	
Per dozen	$6.00	7.20	

No. 1947B—Brass—

Size, Spoons	00	A	B
Size, Hook	8 and 10	6 and 4	2
Per dozen	$4.80	4.80	5.40
Size, Spoon	C	E	
Size, Hook	1-0	3-0 and 4-0	
Per dozen	$6.00	7.20	

IDAHO

No. 1949N—Nickel—

Size, Spoons	00	A	B
Size, Hook	8 and 10	6 and 4	2
Per dozen	$4.80	4.80	5.40
Size, Spoon	C	E	
Size, Hook	1-0	3-0 and 4-0	
Per dozen	$6.00	7.20	

No. 1949C—Copper—

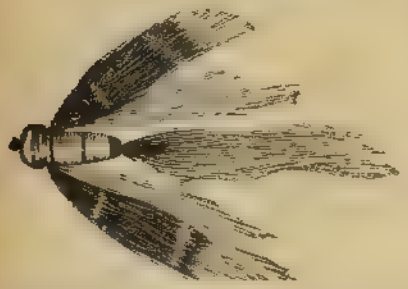
Size, Spoons	00	A	B
Size, Hook	8 and 10	6 and 4	2
Per dozen	$4.80	4.80	5.40
Size, Spoon	C	E	
Size, Hook	1-0	3-0 and 4-0	
Per dozen	$6.00	7.20	

No. 1949B—Brass—

Size, Spoons	00	A	B
Size, Hook	8 and 10	6 and 4	2
Per dozen	$4.80	4.80	5.40
Size, Spoon	C	E	
Size, Hook	1-0	3-0 and 4-0	
Per dozen	$6.00	7.20	

ONE ON A CARD.
ONE DOZEN IN A BOX

CALLAMAC SPINNER



Most successful bass lure ever made for use on fly rod.
The original genuine floating cork body bug. Patented no-slip body, model perfect turn-down eye hooks.

One dozen of the following patterns assorted:

Peet's Favorite	Chadwick's Sun-beam
Dilg's Gem	
Clark's Fancy	St. John's Pal
Wilder's Discovery	Hadley's Choice
Dr. Henshall	Bob Davis
Alex Friend	Zane Grey
Carter Harrison	

No. 988—Size 1-0 hooks,
per box $7.80

ONE ON A CARD. ONE DOZEN ASSORTED IN A BOX

CALLAMAC TROUT BUGS

No. 989—Tied on size 10 hooks, one dozen assorted patterns in a box, per assortment $6.00

TWELVE DIFFERENT STYLES PACKED IN NEAT COMPACT DISPLAY BOX

FUSS-ORENO BUCK-TAIL FLIES

RINGED

Tied on bronze, sneck, hollow point No. 1/0 hooks. The ringed eye makes it easy to attach to spoons or spinners. An excellent bait for bass.

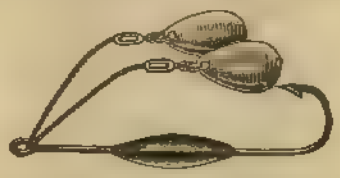
No. 1606—Assorted,
per dozen $4.00

SIX, ASSORTED, ONE DOZEN IN A BOX

SHANNON TWIN SPINNERS

A spinner of unique construction, for use with pork rind, minnows or frogs, weedless, two blades.

No. 985—With fly, not weighted,
per dozen $13.20



No. 984—Without fly, weighted,
per dozen $8.40

ONE ON A CARD

PRESCOTT SPINNERS

Equipped with swivel snap for easy attachment of line or sinker swivel to prevent line from twisting: non-rusting wire leader, ball-bearing spinner, key-ring adjustment for changing hooks, Cincinnati bass hook of best quality, length 9¼ in., w't per doz. 6 oz.
No. 884—Per dozen $3.60
No. 885—With weedless hook,
per dozen $4.10

ONE ON A CARD

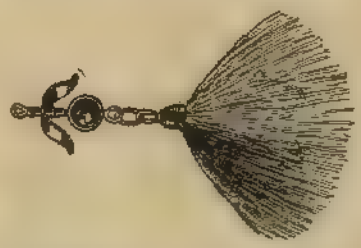
BUEL'S

Silver plated, bright treble hooks.

No. 1933—Sizes 5 3
Per dozen $8.80 10.40

ONE IN A BOX

JERSEY BUCK-TAIL SPINNER

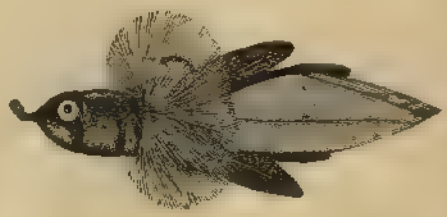


No. 1863—Genuine Buck Tail natural color hair with red feather center, No. 3/0 treble, hollow point weedless hook, weight and nickeled spinner attached by split ring,

per dozen $10.40

ONE ON A CARD; ONE DOZEN IN A BOX

WILDER-DILG FEATHER MINNOWS



Closely imitates the action of a wounded Minnow which Bass and Trout strike viciously when nothing else gets a rise. Regular Bass size has No. 1 O'Shaughnessy hook, length of Lure over all 3¼ in., w't 1/20 of an ounce.

No. 500—Bass size, carried in stock in the following colors;

Capt. Sampson	Pelt's Choice
Mansfield Coaxer	Zane Grey
Venable's Charmer	Gifford Pinchot
Kemper's Charge	Brann's Glory
Irvin Cobb	Dilg's Own
Wilder's Fancy	Bob Davis

per assortment $12 00

No. 600—Trout size, carried in stock in the following colors;

Zane Grey	Irvin Cobb
Dilg's Own	Brann's Glory
Bob Davis	Wilder's Fancy

per assortment $12.00

ONE IN A BOX

BASS SPINNERS

Heavy nickel plated blade, mounted on brass box swivel and extra long hollow point carlisle hooks.

No. 1918—Sizes	1	2	3
Size spoon, in.	1½	2	2½
Per dozen	$4.60	4.60	4.60

THREE ON A PERFORATED CARD; ONE DOZEN IN A BOX

JUNOD SPINNERS

These baits have proven wonderfully effective both for casting and trolling. They get and they hold, have free spinning, durable fish catching qualities.

All hand made finished in nickel and copper, beautiful feathered treble hollow point hook.

No.	21A	21
Style, blade	Single	Double
Size, blade, in	2½×⅝	2½×⅝
Length, over all, in.	4	4½
Per dozen	$5.00	5.50

THREE ON A CARD; EIGHT CARDS IN A BOX

JUNOD TWIN BLADE SPINNERS

Radiant, reinforced nickeled blades revolving in opposite directions, mounted on hollow point feathered treble hooks and brass box swivel.

A very attractive bait, blades are covered with a glow substance, making this bait fine for night fishing.

No. 1901 — Bass, 1½ in. blade, per dozen ..$5.20

No. 1902 — Pickerel, 2 in. blade, per dozen ..$6.00

ONE DOZEN IN A BOX

Reinforced nickeled blades, mounted on brass box swivel and fine quality feathered treble hooks.

No. 1931J — Bass, 1½ in. blade, per dozen ..$4.60

No. 1932 — Pickerel, 2 in. blade, per dozen ..$5.00

ONE DOZEN IN A BOX

LUMINOUS—TANDEM SPINNERS

The "Tandem Spinner" with a Trailing Hook is made to satisfy a demand for a bait that will overcome the difficulties of fish striking short, in other words, to catch the "Nibblers."

Little or nothing need be said about the merits of the Tandem Spinner as it is too well known.

The Luminous Spinners are especially suited for either day, evening or night fishing and for deep or roily waters and for cloudy days.

Size hooks, long

No. 3445— Sizes	1/0	1	2
Length of blade, in.	1 5/16	1 9/16	1⅞
Width of blade, in.	15/32	15/32	29/64
Size hooks, trailing shank	6	4	3
Per dozen	$8.90	10.30	10.90

ONE ON A CARD, ONE IN A BOX

LUMINOUS—TANDEM SPINNERS

A Luminous Tandem Spinner, famous the world over, equally as effective for day as for evening or night fishing. A great killer for deep or oily waters and cloudy days. The blades are polished nickel on convex and luminous on concave sides, mounted on long shank, nickel plated, hand forged, treble hooks, hand filed out point, carefully feathered with liberal quantity and assortment of waterfowl feathers. The blades spin in opposite directions.

No. 1998— Sizes	3-0	2-0	1-0
Length of blade	2 3/32	1 5/16	1 11/16
Width of blade	3/16	5/16	13/32
Size hooks	10	6	4
Per dozen	$5.60	5.80	6 90

No. 1998— Sizes	1	2	3
Length of blade	1 9/16	1¾	2¼
Width of blade	15/32	39/64	49/64
Size hooks	1	2-0	5-0
Per dozen	$8 20	8.90	10.90

ONE ON A CARD. ONE IN A BOX

SPOON ASSORTMENTS

SIX GREAT KILLERS

These baits have been selected with a view of combining in one assortment a variety of the most popular patterns and sizes. Each assortment consisting of six baits is sewed on printed display card in such a manner that each bait can be easily detached.

Assortment put up as follows—

Size 3 Coburg Bait
Size 5 Fluted Bait
Size 3 Black Bass Bait
Size 3 Monogram Bait
Size 4 Kidney Bait—Plain
Size 4 Oval Ham'd Bait

No. 1160½—Per assortment $1.90

ONE ASSORTMENT IN A FANCY DISPLAY BOX

EGG—BEADED BAIT

[redacted]

Hammered metal blades, polished nickel on convex and luminous on concave sides, mounted with reversible hinge lugs on flexible cable bronze wire shafts with an assortment of brilliant colored Ivory Beads strung on same, bright nickel plated, hand forged and treble hooks, hand filed out points, carefully feathered with liberal assortment of fancy water fowl feathers.

No. 191—

Sizes	2	3	4	5
Length of blade . .	1 17/32	1⅝	2 1/16	2 13/32
Width of blades ...	45/64	15/16	1 3/32	1 17/64
Size hooks..	2	1-0	3-0	5-0
Per dozen ..	$7.70	9.80	9.80	12.00

ONE ON A CARD. ONE CARD IN A BOX

SKINNER'S MUSKIE SPOON BAIT

No. 109—Skinner's, 3 in. nickeled spoon, No. 7/0 finely feathered treble hooks, No. 1/0 swivel, per dozen $11.70

ONE-HALF DOZEN IN A BOX

TROLLING BAIT

GENUINE LOWE STAR

This is the best finished and one of the most popular trolling baits on the market. Has a highly nickel plated blade, gold tipped and beautiful feathered treble hollow point hook.

No. 1920—

Size hook	1/0	1	2
Length of blade, in.	2½	2¼	2
Per dozen	$18.70	14 80	14 80

Size hook	3	4
Length of blade, in.	1¾	1½
Per dozen	$11.50	11.50

ONE DOZEN IN A BOX

CELINA SPOON BAIT

FOR CASTING OR TROLLING

All hand made. Unusually free spinning and durable. The snap connections allow flies, hooks, etc. to be changed in a moment. Brass spoons, treble feathered hooks; brass barrel swivels.

Nos.	1701	1702	1703
Size hooks	1/0	2/0	3/0
Size spoons, in.	1¼×⅝	1⅝×¾	2×1 1/16
Per dozen	$3.70	4.00	4.30

THREE ON A CARD, FOUR CARDS IN A BOX.

Hibbard FLUTED BAIT

Finest quality blade, nickel convex, polished copper concave, mounted on grass barrel swivel and hollow point finely feathered treble hooks.

No. 1910 Hibbard —

Sizes	1	2	3	4	4½
Spoon, in. .	1	1⅛	1 1/16	1¼	1⅜
Per dozen	$3 35	3.35	3.35	4.25	4.25

Sizes ..:	4½	5	6	7	8
Spoon, in.	1⅜	2⅛	2 5/16	2 1/16	2 11/16
Per dozen	$4.25	5.85	5.85	7.60	7.60

"CRUSO" REGULAR FLUTED BAIT

Standard quality box swivel and high vex, red concave, blade, nickeled con- mounted on brass grade feathered treble hooks.

No. 1912—Cruso,

Sizes	1	2	3	4
Size spoon, in. ..	1	1⅛	1 1/16	1¼
Per dozen	$3.50	3.50	3.50	3 50

No. 1912—Size	4½	4⅝	5
Size spoon, in.	1⅝	1⅞	2⅛
Per dozen	$3 50	4.00	4.00

No. 1912—Sizes	6	7	8
Size spoon, in.	2 5/16	2 1/16	2 11/16
Per dozen ...	$4 50	4 50	4.80

ONE DOZEN IN A BOX

SPINNERS

SKINNER'S FLUTED

G. M. SKINNER'S high grade, nickeled blade, mounted on brass box swivel and feathered hollow point treble hooks.

Sizes	1	2
Spoon, in.	1	1⅛
No. 1911 Nickel, doz.	$4.00	4.00
No. 1921 Copper, doz.	4.00	4.00
No. 1931 Brass, doz.	4.00	4.00

Sizes	3	4
Spoon, in.	1 5/16	1½
No. 1911 Nickel, doz.	$4 00	4.00
No. 1931 Brass, doz.	$4 00	4.00
No. 1921 Copper, doz.	$4.00	4.00

Sizes	4½	4⅝
Spoon, in.	1⅝	1 11/16
No. 1911 Nickel, doz.	$4.80	4.80
No. 1921 Copper, doz.	4.80	4.80
No. 1931 Brass, doz.	4.80	4.80

Sizes	5	6
Spoon, in.	2⅛	2 5/16
No. 1911 Nickel, doz.	$6.40	6.40
No. 1921 Copper, doz.	6.40	6.40
No. 1931 Brass, doz.	6.40	6.40

Sizes	7	8
Spoon, in.	2 7/16	2 1/16
No. 1911 Nickel, doz.	$8.00	8.00
No. 1921 Copper, doz.	8.00	8.00
No. 1931 Brass, doz.	8.00	8.00

Sizes	9	12
Spoon, in.	3	3½
No. 1911 Nickel, doz.	$9.60	13.50
No. 1921 Copper, doz.	9.60	13.50
No. 1931 Brass, doz.	9.60	13.50

CASTING

Regular, fine quality fluted spoon, nickel plated convex, red concave, mounted on heavy double gut, improved reversible carriers, easy bearing.

No. 1F—Size 1 spoon, size 1/0 hook, per dozen $2 50
No. 2F—Size 2 Spoon, size 2 0 hook, per dozen $2.50

SKINNER'S CASTING

Nickel plated, fluted spoon, high grade sprout hook.

No. 11—Size 1 spoon, mounted on double gut, size 1½ hook, per dozen $3.20
No. 12—Size 2 spoon, mounted on gimp, size 2/0 hook, per dozen $3.20
No. 13—Size 3 spoon, mounted on gimp, size 3/0 hook, per dozen $3.20

ONE ON A CARD; ONE DOZEN IN A BOX

[illegible]'S WEEDLESS GANG HOOKS

The rear double hooks make a sure catch for short biters. By placing minnow in center of trailer and putting rubber band around minnow, you are sure of your strike.

No. 19—2/0 Carlisle hooks, with swivel, nickel plated gold tipped spoon, rear double hook, per dozen $5.80

ONE ON A CARD; ONE DOZEN IN A BOX

STANLEY'S PERFECTION WEEDLESS HOOKS

Size 4/0 hook, weighted.

No. 4—Without spoon, per dozen $7.40
No. 40—With spoon, per doz. $8.00

ONE ON A CARD; ONE DOZEN IN A BOX

STANLEY'S PERFECTION WEEDLESS HOOKS

No. 1—Without spinner, sizes 4/0 and 5/0 ..... per dozen $6.40
No. 2—With spinner, sizes 4/0 and 5/0 ..... per dozen $7.40
No. 2W—Weighted, with spinner on hook, size 4/0 only, per dozen $8.00

ONE ON A CARD; ONE DOZEN IN A BOX

Pork rind hook, size 4/0 hooks.

No. 5—Without spoon, per dozen $7.40
No. 50—With spoon on leader, per dozen $8.00

ONE ON A CARD, ONE DOZEN IN A BOX

Frog hook, sneck weighted.

No. 6—Without spoon, with sizes 4/0 and 5/0 hooks, per dozen $9.00
No. 60—With spoon, with sizes 4/0 and 6/0 hooks ....per dozen $9.60

ONE ON A CARD; ONE DOZEN IN A BOX

Fly, red body and wings, white tail, nickel plated spoon or spinner, weighted.

No. 8—With spinner on hook, per dozen $14.40
No. 90—With spoon on leader, per dozen $14.40

ONE ON A CARD; ONE DOZEN IN A BOX

WATERWITCH TRAILER CASTING SPOON

No. 011—With No. 1 nickel fluted spoon tied to a 1-0 sprout hook with No. 2 trailer with double gut loop,
per dozen $3.10

No. 012—With No. 2 nickel fluted spoon tied to a 2-0 sprout hook with No. 1 trailer with bronze cable loop,
per dozen $3.10

ONE ON A CARD
ONE DOZEN IN A BOX

RAINBOW PEARL CASTING SPOONS

No. 90R—The pearl blade used is of the very best and of great brilliancy, which when spinning will send out rays that attract the fish. The hooks are 3–0 Hollow Point Sprout, blued finish. The weed guard on the weedless is of the best piano wire, with brass cone. Can be used with pork rind, frog or minnows ...per dozen $3.40

DOZEN IN A BOX.
ONE ON A PERFORATED CARD. ONE

WORM GANGS

No. 63—Three No. 10 Hollow Point Sneck Hooks on single gut for attaching live worms, per dozen $1.60

ONE GANG ON A CARD; THREE CARDS ATTACHED IN A BOX

WEEDLESS TREBLE HOOKS

Sizes 1 and 1/0 are frequently used for attaching on minnow baits.

No. 318—Extra strong, hollow point, treble hooks with wire weed guards and nickeled cones, in sizes 3, 1, 1/0 and 3/0 .....per dozen $3.20

ONE ON A CARD; SIX CARDS CONNECTED; TWO DOZEN IN A BOX

WEEDLESS HOOKS

O'SHAUGHNESSY, imported hand forged, strong wrought, hollow point hooks, very strong, piano double wire weed guards, sizes 1/0, 3/0 and 5/0.

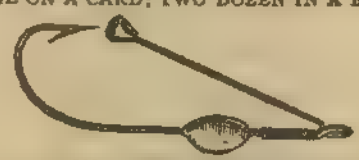
No. 131W CVB—Without Weight,
per dozen $1.50

No. 137W CVB—With Weight,
per dozen $1.90

No. 120W CVB—Extra strong, imported, hollow point Sprout hooks, piano wire weed guard with nickeled cone, ringed, sizes 2/0, 3/0, 4/0 and 5/0 .....**per dozen $1.50**

No. 121W CVB—Long shank Carlisle blue finish, weed guard is of best piano wire, brass cone, sizes 3/0, 4/0, 5/0 and 6/0 .....per dozen $1.50

ONE ON A CARD; TWO DOZEN IN A BOX

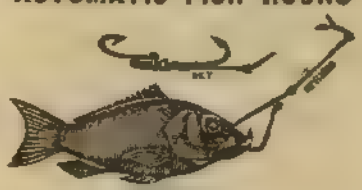


No. 125W CVB—Weighted, Extra strong, imported, hollow point Sprout hooks, piano wire weed guard with nickeled cone, ringed, sizes 3/0, 4/0 and 5/0,
per dozen $1.90

No. 126W CVB—Long shank Carlisle, blue finish, weighted, weed guard is of best piano wire, brass cone, sizes 3/0, 4/0, 5/0 and 6/0,
per dozen $1.90

ONE ON A CARD; TWO DOZEN IN A BOX

AUTOMATIC FISH HOOKS



GREER'S

The best fish hook on earth for sea, lake, and river fishing. No losing bait, nor coming home without your largest fish. No breaking loose nor tearing out. No springs to get out of order.

Nos.	151	153
Sizes	1/0	3/0
Per dozen	$1.60	3.80

MONARCH AUTOMATIC FISH HOOKS

Directions—To set the Monarch, spread the flat hooks until the tongue above the bait hooks into the notches of same. Bait the middle hook.

No. 250—The Monarch cannot be sprung by weeds or in casting. Fish are caught by even touching the bait,
per dozen $4 00

ONE ON A CARD; ONE DOZEN IN A BOX

HEDDON-STANLEY PORK RIND MINNOWS

This is positively the last word in Pork Rind Baits. Stanley type double spinner.

Range of colors is such as to make this a bait that can be used under any and all weather and water conditions.

Body made of pyralin, length overall 3½ in., six colors, three of which are scale finishes, two styles, weedless and plain without weed guards, w't each about ⅝ oz.

PLAIN

No. 70—All white, per dozen		$16.00
No. 72—Red and white, dozen		16.00
No. 74—All red, ...per dozen		16.00
No. 79P—Shiner scale, dozen		16 00
No. 09D—Green scale, dozen		16 00
No. 09M—Pike scale, per doz.		16 00

WEEDLESS

No. 70W—All white, per doz.	$20 00
No. 72W—Red and white, per dozen	20.00
No. 74W—All red, ..per dozen	16.00
No. 79PW—Shiner scale, per dozen	20.00
No. 09DW—Green scale, per dozen	20 00
No. 09MW—Pike scale, per dozen	20.00

ONE IN A BOX

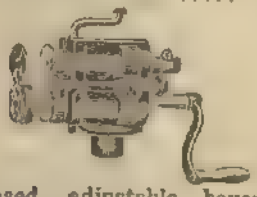
PEXTO TINNERS' MACHINES

TURNING

COLUMBIAN, solid frame, with two sets of faces, for 22 iron and lighter.

No. 542—Large, diam. of faces 3 in., with stand, w't 31 lbs., each $44 00

No. 541—Small, diam. of faces 2½ in., with stand, w't 25 lbs., each $40 00



Encased, adjustable boxes, with two sets of faces, for 24 iron and lighter.

No. 546—Large, diam. of faces 3 in., with stand, w't 28 lbs...each $58.00

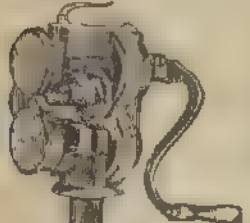
No. 545—Small, diam. of faces 2⅛ in., with stand, w't 23 lbs., each $54.00

Turning machines are used for turning the tops of vessels to receive wire.

WIRING

COLUMBIAN, for 22 iron and solid frame, lighter.

No. 525—Diam. of faces 3 in., with stand, w't 31 lbs. .....each $46.00



Encased adjustable boxes, for 24 iron and lighter.

Wiring machines follow the turning machines. They are intended for rolling sheet metal tightly around wire after its seat has been prepared by the turning machine.

No. 526—Diam. of faces 3 in., with stand, w't 28 lbs, ...each $60.00

BURRING

COLUMBIAN, solid frame, with extra upper face, for 22 iron and lighter.

Burring machines are used for creasing, edging rims of covers for pails, boilers, etc. and for preparing circular edges of bottoms and bodies of vessels for double seaming.

No. 577—Large, diam. of face 2½ in., with stand, w't 25 lbs...each $38.00

No. 576—Small, diam. of face 1⅞ in., with stand, w't 21 lbs...each $34.00

Encased, adjustable boxes, with extra upper face, for 24 iron and lighter.

Burring machines are used for creasing, edging rims of covers for pails, boilers, etc. and for preparing circular edges of bottoms and bodies of vessels for double seaming.

No. 580—Large, diam. of face 2½ in., with stand, w't 23 lbs. ..each $52.00

No. 579—Small, diam of face 1⅞ in., each $48.00

SETTING DOWN

COLUMBIAN, solid frame, for 24 iron and lighter.

Setting down machines follow the burring machines pressing the edge of bottom onto the flange of body in preparation for double seaming.

No. F556—With stand, for seams up to ⅞ in., w't approximately 23 lbs., each★ $48.00

SETTING DOWN

Improved with Adjustable Gauge.

Inclined position of both upper and lower faces allows work to be held up or down and seams to be started inward while setting down, facilitating the operation of double seaming.

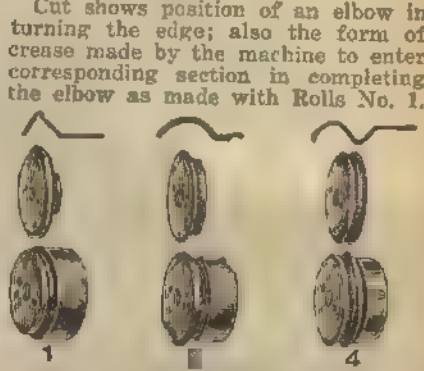
No. 562 can be fitted with pulley for power at extra cost.

No. F561—Light, for seams up to ⅝ in., capacity 24 iron and lighter, with stand, w't 31 lbs.★ each $56.00

No. F562—Heavy, for seams up to ¾ in., capacity 18 iron and lighter, with extra heavy stand, w't 100 lbs., each★ $110.00

COLUMBIAN, elbow edging machine, for 24 iron and lighter.

Cut shows position of an elbow in turning the edge; also the form of crease made by the machine to enter corresponding section in completing the elbow as made with Rolls No. 1.



Rolls type No. 1 produce V-shape edges on both elbow sections.

Rolls No. 3 and 4 are preferable for elbows riveted or grooved with loose joint. Faces can be used with and are readily adapted to either Columbia or Encased small turning machine.

Diameter of faces 2½ in.

No. F551—Columbian Elbow Edging Machine, with standard and one pair of rolls, w't each 25 lbs., each★ $40.00

Specify Type of Rolls Desired.

Ask for Special Tinners' Tools Catalogue Showing a More Complete Line than Shown Here.

★ Items Marked Thus ★ Are Shipped From Factory Only.

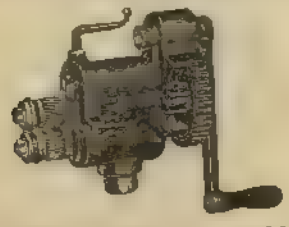
TINNERS' MACHINES

PEXTO CRIMPERS AND BEADERS

Connecting gears of machine cut steel, rolls of high grade steel, scientifically hardened. Adjustments are provided for regulating depth of crimp and bead.

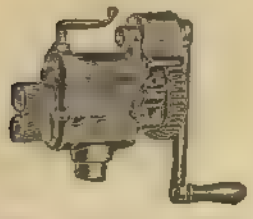
Designed for strength and rigidity and produce snug-fitting pipe joints that hold when put together.

Two speeds provided for, back geared for heavy stock and direct drive when lighter materials are used



Capacity—20 gauge iron and lighter, diameter beading rolls 1 29/32 in., diameter crimping rolls, 1 15/16 in., back gear, 3 to 1.

No. E585—Stove Pipe with crank screw, for depressing rolls, w't each 65 lbs. .....each $52.00



No. E591—Cornice Maker, diam. of rolls 1 13/16 in., back geared 3 to 1, w't each 65 lbs., each $50.00

CRIMPING

No. E285—Packham's for stove and conductor pipe, with standard, w't 24 lbs. .....each $24.00

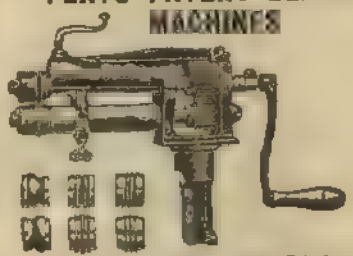
PEXTO PATENT CRIMPING AND BEADING MACHINES

For 26 Gauge and Lighter.

For crimping or beading stove pipe, elbows, furnace pipe, etc., construction throughout is exceedingly strong and rigid, and permits of easy and rapid adjustment, depression of rolls accomplished by foot treadle, contact of upper beading roll is adjusted by lever, which also gives an independent adjustment for raising upper beading roll, taking same out of contact with lower roll, if crimping only is desired, adjustment of this lever is affected by means of an eccentric device, handy and practically instantaneous in action. Application of this feature greatly increases simplicity, as operation of crimping alone can be performed without substituting blank collars for beading rolls. Crank adjustable to light or heavy work.

No. F602—With treadle, w't each 38 lbs.★ .....each $56.00

PEXTO PATENT BEADING MACHINES



For No. 24 Iron and Lighter.

Size of beads, Ogre ¾ in., Triple ⅜ in., Triple Coffee Pit ⅜ in., Single 5/16 in.

Beading or swaging machines are intended for stiffening and ornamenting pipe, bodies of pails, cans, boilers, etc.

No. E620—6 in. throat, with four pairs rollers and stand, w't 50 lbs., each $56.00

For No. 20 Iron and Lighter.

Illustration shows single beading rolls and supporting arm attached.

No. F617—13 in. throat, with three pairs rollers and stand, w't 140 lbs., each★ $110.00

STEEL CORNICE BRAKES

The Apron or Bending Leaf reinforced by angular shaped strengthening plate. Substantial truss rods provided for additional support and adjustment.

Five Formers, all sizes in general use for making moulding, furnished.

A Steel Angle Bar is bolted to apron to give additional leverage when bending extra heavy material.

Stop Gauges furnished free of cost.

The Clamping of material is done by means of an eccentric on each end.

When ordered with Eccentric Levers, connected brakes are so fitted without additional cost.

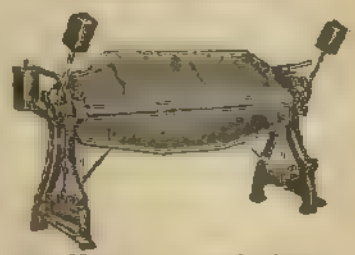
Set Screws provided on ends which move the upper jaw forward and back to accommodate heavy or light material and for sharp or rounding bends.

An Eccentric Bushing in lower part of connecting link allows for greater or less pressure on material.

The Angle Bar, as well as the special steel bar, is removable from the apron and narrow opposing members can then be formed. Apron edge is ¾ inch, from which ¾ inch is detachable.

No. F4—Forming edge 8 ft. 1 in. long, for cornice and other light work as well as ¾ in. and more, bends on No. 18 gauge, **complete with angle bar** and five formers, w't 1000 lbs.★ .....each $297.00

HARE'S PATENT FOUR LEAF CORNICE BRAKES



For No. 20 Iron and Lighter.

The bending leaf is properly balanced by weights, and is provided with a forcing bar for beding heavy iron.

Seven formers to be attached to the brake for making circular bends are furnished, sizes ⅜, 2½, 2, 1½, 1¼, 1¼ and 1 in.

No. F685—98 in., w't 3650 lbs., each★ .....$.....

Ask for Special Tinners' Tools Catalogue Showing a More Complete Line than Shown Here.

★ Items Marked Thus ★ are Shipped from Factory Only.

TINNERS' MACHINES

FOLDING MACHINES

STOW'S patent improved adjustable bar folder for No. 22 iron and lighter.

The gauge is operated by hand wheel in front of machine. Set screw in front at left holds gauge firmly in place and secures a fold or lock of uniform width the entire length. These machines form square joints or angles and turn sharp edges, also round edges for inserting wire. Locks ⅛ in. to 1 in. can be formed.

No. E62—20 in., w't 100 lbs., each $110.00

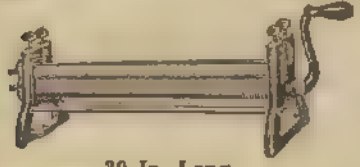
No. E63—30 in., w't 180 lbs., each $130 00

WRIGHT'S, 30 in., improved, for No. 24 iron and lighter.

This machine will turn locks of different widths on any length of sheet. May be used on material as thick as No. 24 gauge.

No. E1—Will turn locks ¼ and ⅜ in., w't 80 lbs. .....each $56.00

No. E12A—Will turn locks ⅛, ¼, ½ and ¾ in., w't 90 lbs., each $80.00



30 In. Long.

Will form 20 iron into 10 in. or 22 iron into 5 in. cylinders.

Grooves are cut in rolls to allow work being formed after wiring.

No. E357—2 in. rolls, w't 140 lbs., each $48.00

PEXTO FORMING MACHINE

Patent stove pipe formers, compensating gear, 30 in. long.

No. E374 will form 20 iron into 10 in., or 22 iron into 5 in. cylinders.

No. E373 will form 22 iron into 8 or 10 in. cylinders.

Gears are machine-cut steel and rolls are made of special rolled hard steel. Grooves are cut in rolls to allow forming of cylinders after wiring.

No. E373—2 in. rolls, w't 140 lbs., each $58.00

Will form 20 iron into 10 in., or 22 iron into 5 in. cylinders.

These machines are much more easily adjusted and can be set for forming any desired size of cylinder in much less time than is required to set others. They are made with Slip Rolls, so that small work can be readily taken from the end after it has been formed.

No. E382—Grannis', patent slip roll stove pipe former, with compensating gear, 2 in. rolls, 30 in. long, w't 150 lbs. .....each $72.00

EAVE TROUGH END FORMERS

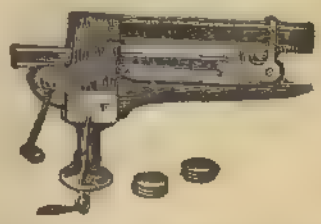
The Tool.

The Work.

No. 6—Bishop's, cast iron Trough, in.	4	4½	5
W't, lbs.	3½	4	5
Each $1.20	1.30	1.60	

For closing end of eave trough in corrugations as shown in illustration.

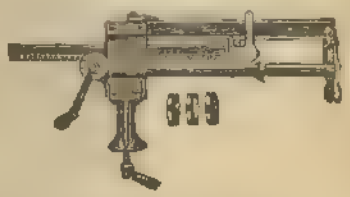
PEXTO BRASS MOUNTED GROOVING



With steel bar and milled horn, for No. 24 iron and lighter.

No. E502—20 in., three grooving rolls, one each ⅛, 5/32 and 7/32 in., with standard, w't 100 lbs.., each $64.00

IMPROVED PATENT GROOVING MACHINES



For No. 22 iron and lighter.

Grooving horn is reversible so that either the flat surface or one of the groves that are planned into the horn can be turned upward.

One smooth or flattening roll and three grooving rolls are furnished.

No. F507—30 in., rolls 5/32, ⅛ and ¾ in., w't 110 lbs.★ .....each $110.00

PEXTO IMPROVED MACHINE STANDARDS

Improved Machine Standards.

No. 975—For use with all except wiring machine, size of hole 1⅛ in., height over all from bench 9¾ in., w't each 10½ lbs. .....each $3.00

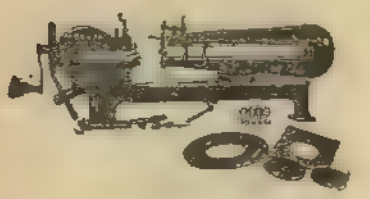
No. 976—Wiring machine, size of hole 1⅛ in., height over all from bench 9¾ in., w't each 11 lbs., each $3.00

Ask for Special Tinners' Tools Catalogue Showing a More Complete Line than Shown Here.

★ Items Marked Thus ★ are Shipped from Factory Only.

TINNERS' MACHINES

PEXTO RING AND CIRCULAR SHEARS



Intended for cutting circles or internal rings and irregular curves. In circular cutting the blanks are clamped between rubber covered discs by means of a quick acting, eccentric, lever device adjustable for exerting extreme uniform pressure to prevent the work from slipping and insuring more accurate cutting. The bed on which the Tail Piece slides is graduated in inches and fractions of inches for quick setting of the Tail Piece for the size circle to be cut. The angular position of Cutters allows for as clean cutting on the inside as on the outside of circle.

Nos.	F298	F299
Will cut circles, in	3½ to 22	3½ to 38
W't, lbs.	195	290
Each	$140.00★	$180.00★

WAUGH'S PATENT CIRCULAR SHEARS

For No. 22 Iron and Lighter.

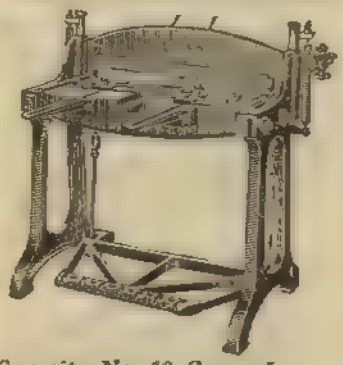
No. F278—Will cut circles from 2½ to 22 in., w't 125 lbs.★ each $110.00

Suitable for cutting circles, trimming or squaring tin plate, sheet iron, brass and copper.

A graduated scale is attached to the bed for the purpose of securing quick and accurate adjustment of the sliding arm.

They are fitted with quick-acting eccentric lever, which clamps material between discs with great rapidity and releases the blank instantly.

PEXTO SQUARING SHEARS



Capacity No. 18 Gauge Iron and Lighter.

No. E132A—Cuts 30 in., w't 540 lbs., each $190.00

No. E137A—Cuts 36 in., w't 650 lbs., each $260.00

Furnished with complete gauge equipment, one pair front arms. No. 137A has hold-down attachment.

BENCH SHEARS

Made of best materials, blades of crucible tool steel, useful in all metal working shops, tool rooms, garages. For cutting automobile brake bands, leather belting, strip steel.

No. F20—Length of blade, 3 in., capacity 12 gauge, w't each 24 lbs., each★ $30.00

HAND PUNCHES

No. 789—Capacity ¼ in. hole in 16 ga. iron with three punches and dies, ¼, 5/16 and ⅜ in. Length over all 8¼ in., depth of throat 1½ in., w't 3 lbs. ..... each $15.60

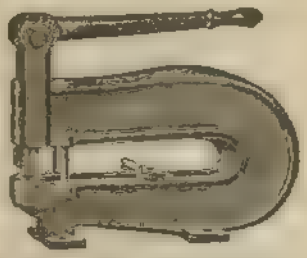
PEXTO COMBINATION SHEARS AND PUNCHES

These machines are suitable for both cutting and punching metal. They may be used for cutting ¼ inch iron and 5/16 and ⅜ inch narrow bars. The No. E678 will punch the center of a circle 5½ in. in diameter and the No. E679, 5½ in. Four Punches are put up with No. E678, viz., ¼, 5/16, ⅜ and 7/16 in. Five Punches are put up with No. E679, viz., ¼, 5/16, ⅜, 7/16 and ½ in.

No. F678—4½ in. cut, will punch ¼ in. iron, w't 105 lbs., each★ $72.00

No. F679—5½ in. cut, will punch 3-16 in. iron, w't 122 lbs., each★ $88.00

PEXTO SAMPSON PUNCHES



Will punch No. 9 iron with and No. 12 without, "stay bolts" and will center on 30 in. sheets without and on 7 in. sheets with them.

No. F675—Improved, bolt fastened, adjustable gauge depth of gap 15 in., 3 sets of dies and punches, ¼, 5/16 and ⅜ in., w't 125 lbs.★ ..... each $80.00

BENCH SHEARS

Made with compound lever principle, blades solid crucible tool steel, running full length of jaw.

No. F30—Total length 33 in., length of blade 8 in., length of cut 4½ in., capacity 12 gauge, w't each 16 lbs., each★ $38.00

★ Items Marked Thus ★ Are Shipped From Factory Only.

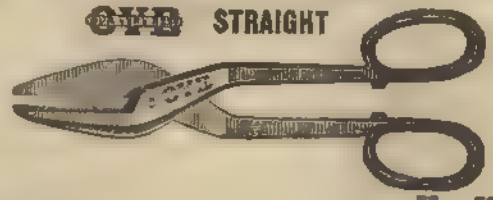
TINNERS' HAND SHEARS OR SNIPS

SHEAR OR SNIPS

Crocus Finished Blades, Gun Metal Handles, Steel Laid and of Superior Finish.

Snips are Forged from the Best Material Obtainable. They are Accurately Fitted and in Every Way Designed for the Workmen who Demand the Best to be had.

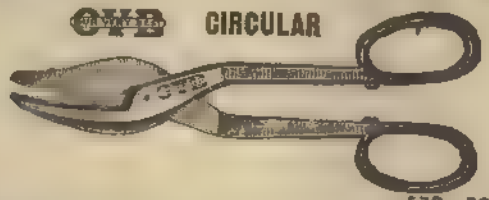
STRAIGHT



Nos.	57	58	59
Length, in.	14½	13½	12½
Cut, in	4	3½	3
W't, lbs.	2⅝	2¼	1⅞
Per pair	$4.50	3.60	3.10

Nos.	510	511	512	513
Length, in.	11	10½	10	8½
Cut, in.	2½	2¼	2	1⅝
W't, lbs.	1½	1	⅞	¾
Per pair	$2.90	2.20	1.80	1.60

CIRCULAR



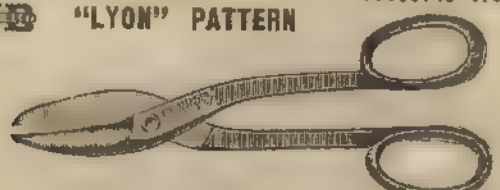
Nos.	570	580	590
Length, in.	14½	13½	12½
Cut, in	4	3½	3
W't, lbs.	2½	2⅜	1⅞
Per pair	$6.30	5.40	5.00

ROUNDED BACK

Will Cut Circles, Scrolls and Irregular Shapes.

Nos.	147	148	149
Length, in.	14½	13½	12½
Cut, in.	4	3½	3
W't, lbs.	4	3½	3
Per pair	$5.40	4.50	4.00

"LYON" PATTERN



Round Back, Very Sharp Points, Will Cut Circles, Scrolls and Irregular Shapes.

Nos.	27	28	29
Full length, in.	14	13	11½
Cut, in	3½	3	2½
W't, lbs.	1½	1⅛	1⅛
Per pair	$4.50	3.70	3.20

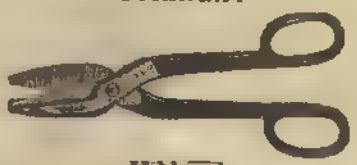
ALL OF ABOVE ONE PAIR IN A BOX

Hibbard SHEAR OR SNIPS

DROP FORGED STEEL LAID

Hibbard Snips are Forged from Highest Quality Material. They are Accurately Fitted and in Every Way Designed for the Workmen who Demand the Best to be had.

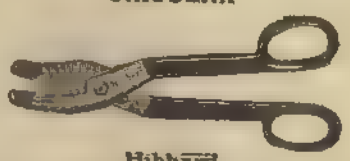
STRAIGHT



Hibbard

Nos.	37	38	39	40	41	42
Full length, in.	14½	13½	12½	11	10½	10
Cut, in.	4	3½	3¼	2½	2¼	2
W't, lbs.	2½	1⅞	1	1	¾	⅝
Per pair	$4.30	3.40	3.00	2.80	2.10	1.70

CIRCULAR



Hibbard

Will Cut Circles, Scrolls and Irregular Shapes.

Nos.	218	219
Full length, in.	13½	12½
Cut, in	3½	3
W't, lbs.	1¼	1
Per pair	$5.20	4.80

P. S. & W. CO.'S SHEARS

The P. S. & W. Co.'s Snips are Forged from the Best Norwegian Iron, are Steel Laid and Fully Warranted.

1819 ORIGINAL

Straight.

Nos.	6½	7	8	9	10	11	12	13
Full length, in.	15½	14½	13½	12	11	10½	8½	8
Cut, in.	4½	4	3½	3	2½	2¼	2	1½
Weights, lbs.	3½	2½	2⅛	1½	1	¾	½	½
Per pair	$6.00	5.00	4.00	3.50	3.20	2.20	2.00	1.80

CIRCULAR, Will Cut Circles, Scrolls and Irregular Shapes.

Nos.	70	80	90
Full length, in.	14½	13½	12
Cut, in.	3½	3½	3
W't, lbs.	2½	2	1⅝
Per pair	$6.00	5.00	4.00	3.50	3.20	2.40	2.00	1.80

ALL OF ABOVE ONE PAIR IN A BOX

Illustrations show left hand shears, which have the lower blade on left side—Left hand shears are generally used and are always sent unless otherwise specified.

TINNERS' SHEARS OR SNIPS

CRUSO STRAIGHT

No. 19—Cruso, solid forged steel, 12½ in. long, cut 8 in., w't per pair 1¾ lbs. .....per pair $1.80

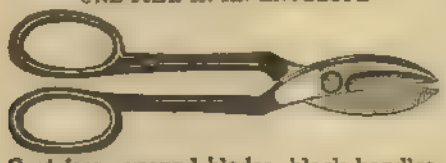
ONE PAIR IN AN ENVELOPE; FOUR PAIRS IN A BOX

HOUSEHOLD

No. 18—Cruso, solid forged steel, length 10 in., cut 2¾ in., w't per pair 1 lb., per pair $1.40

A good serviceable snip, suitable for general use, at a low price.

ONE PAIR IN AN ENVELOPE



Cast iron, ground blades, black handles.

No. 20—Length 11¾ in., cut 2¾ in., w't 2¾ lbs., each $0.50

ONE PAIR IN AN ENVELOPE

POCKET SNIPS

Solid forged steel, polished blade, length 7 in., cut 2 in., w't per pair ½ lb.

No. 514 CVB—Polished and blued handles, per pair $1.50

No. 214 Cruso—Japanned handles. ....per pair $1.30

ONE PAIR IN AN ENVELOPE; SIX PAIRS IN A BOX

Hibbard DENTAL OR JEWELERS

Japanned handles, nickel plated blades.

Nos.	21	22
Length, in.	6½	6½
Cut, in.	1½	2
W't, pair, lbs.	½	½
Per pair	$1.30	1.50

HALF DOZEN IN A BOX

COMPOUND LEVER SNIPS

SEARIGHT PATENT

Finest quality crucible steel tempered by the most approved process.

Nos.	108	110	112	114
Length, in.	8	10	12	14
Length cut, in.	1½	2½	3	3½
W't, pr., lbs.	¾	1½	2½	3
Per pair	$5.50	6.50	9.00	10.50

Has three times the power at the point as the ordinary snip and is but a trifle heavier.

HAWK'S BILL

Improved pointed curved hand shears.

Capable of cutting in sheet metal trimmings of any size and shape. Letters easily cut. Especially adapted for cutting off the bottoms of metal vessels and openings in pipes or cylinders.

No. 15—Pointed snips, blade 3 in., entire length 11¾ in., w't per pair 1½ lbs. .....per pair $6.00

ONE PAIR IN A BOX

CVB COMBINED SHEARS AND PIPE CRIMPERS

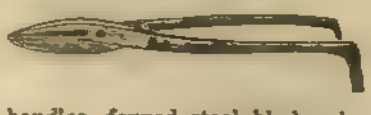
No. 91 CVB—Length 8 in., w't 1 lbs. ....per pair $4.50

Polished blades, gun metal handles, drop forged steel.

No. 92 CVB—Combined double cutting shear and pipe crimper, interchangeable parts, steel crimping jaws, length 12¾ in., actual cut 1¼ in., w't 2¼ lbs., per pair $6.00

ONE PAIR IN A BOX

BENCH

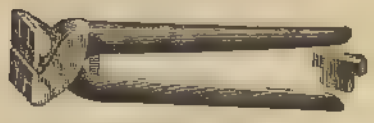


Japanned handles, forged steel blades, bent heels.

Nos.	00	0	1	2
Cut (catalog), in	11½	10½	9	8½
Capacity gauge iron	18	18	18	19
W't, lbs.	36	30	24	18
Per pair	$42.00	38.50	27.00	24.00

Nos.	4	5	6
Cut (catalog), in	7½	6½	5½
Capacity gauge iron	20	21	22
W't, lbs.	12	9	8
Per pair	$19.00	18.00	16.00

CUTTING NIPPERS

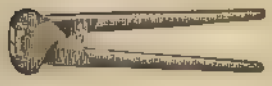


ACME, polished steel jaws.

Nos.	1	2
Lengths, in.	12	11
W't per doz.	24	21
Per dozen	$66.00	60.00
Extra Jaws, dozen prs.	$14.40	14.40

Nos.	3	4
Lengths, in.	10	8
W't per doz., lbs.	18	9
Per dozen	$54.00	48.00
Extra Jaws, dozen prs.	$14.40	14.40

ONE IN A PACKAGE



CAREW, forged tool steel jaws.

Nos.	1	2
Length, in.	14	12
W't per doz., lbs.	45	38
Per dozen	$105 60	87.00
Extra Jaws, dozen prs.	$25.20	24.00

Nos.	3	4
Length, in.	10	8
W't per doz., lbs.	24	18
Per dozen	$75.00	69.00
Extra Jaws, dozen prs.	$21.60	20.40

ONE IN A PACKAGE

TINNERS' SOLID PUNCHES

Cast steel, length 4½ to 5 in.

Nos.	0	1	2
Size, in.	9/32	1/4	7/32
Tinners' rivets, lbs.	12	10	8
Per dozen	$3.00	3.00	3.00

Nos.	3	4	5
Size, in.	5/16	5/32	1/8
Tinners' rivets lbs.	6	4	2
Per dozen	$3.00	3.00	3.00

Nos.	6	7
Size, in.	3/32	1/16
Tinners' rivets, lbs.	1	3/4
Per dozen	$3.00	3.00

ONE DOZEN IN A BOX

TINNERS' PRICK PUNCHES

No. 80—[illegible] high quality knurled pattern, polished head and taper ⅜ in. diam., 4 in. long, w't per doz. 1⅜ lbs., per dozen $3.50

ONE DOZEN IN A BOX

Polished point, length 4½ in.

No. 90—Forged steel, w't per doz. 1½ lbs. ..... per dozen $3.00

ONE DOZEN IN A BOX

TINNERS' HOLLOW PUNCHES

Forged steel.

Nos.	59	60	61
Diameter, in.	1/4	3/8	1/2
W't doz., lbs.	1½	3	4
Per dozen	$16.80	16.80	16.80
Nos.	62	63	64
Diameter, in.	5/8	3/4	7/8
W't, doz., lbs.	6	7½	8
Per dozen	$21.00	25.20	29.50
Nos.	65	66	67
Diameter, in.	1	1¼	1½
W't, doz., lbs.	10½	12	15
Per dozen	$36.00	40.50	45.00
Nos.	68	69	70
Diameter, in.	1¾	1¾	2
W't, doz., lbs.	18	25½	27
Per dozen	$54.00	63 00	72.00

¼ TO ⅝ IN., ONE DOZEN; ¾ TO 1¼ IN., ONE-HALF DOZEN 2 IN., ONE-THIRD DOZEN IN A BOX; BALANCE, LOOSE

TINNERS' LANTERN CHISELS

For cutting holes in circular work, ¼×5½ in.

No. 100—Cast steel, polished point, w't per doz. 2½ lbs. . per dozen $6.00

ONE DOZEN IN A BOX

Our Very Best for Fifty Years
Has Stood the Test

TINNERS' SCRATCH AWLS

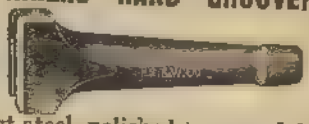
HURWOOD

No. 77—Length 7½ in., heavy cast steel tempered and polished point, shank running through handle, riveted and headed, beech handle, polished steel ferrule, w't per doz. 3½ lbs ..... per dozen $6.00

HALF DOZEN IN A BOX

No. 01—Ring Awl, solid steel, length 8½ in. ..... per dozen $6.00

TINNERS' HAND GROOVERS



Cast steel, polished tempered face.

Nos.	00	0	1	2
Groove, in.	7/16	3/8	5/16	11/32
W't doz., lbs.	16½	16½	15	15
Per dozen	$24.00	24.00	21.60	21.60
Nos.	3	4	5	
Groove, in.	9/32	7/32	5/32	
W't, doz., lbs.	12	12	10½	
Per dozen	$19.20	19.20	19.20	

HALF DOZEN IN A BOX

PEXTO RIVETING HAMMERS

PEXTO, solid forged steel, full polished selected hickory handles.

Nos.	1	2	3	4
Face, in.	1½	1	7/8	3/4
W't, doz., lbs.	15	12	9	6
Per dozen	$25.20	22.00	19.20	18.50

HALF DOZEN IN A BOX

PEXTO SETTING HAMMERS

PEXTO, solid forged steel, full polished selected hickory handles.

Nos.	1	2	3	4
Face, in.	1½	1	7/8	3/4
W't, doz., lbs.	15	12	8	6
Per dozen	$25.20	22.00	19.20	18.50

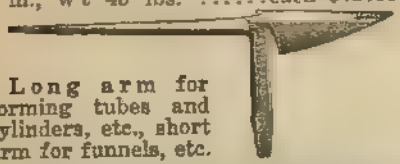
HALF DOZEN IN A BOX

TINNERS' TOOLS

WROUGHT IRON STAKES WITH POLISHED STEEL FACES

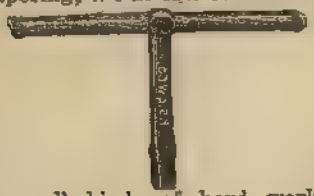
Used for beveled or square work.

No. E901—Beakhorn stake, round tapering end 16½ in., flat end 20×00 in., w't 45 lbs. .....each $48.00



Long arm for forming tubes and cylinders, etc., short arm for funnels, etc.

No. 925—Common Blowhorn, large end 9 in., small end 17½ in., both tapering, w't 10 lbs. ...each $26.00



For all kinds of hard work and double seaming.

No. E921—Double Seaming, large end 17 in., small end 12 in., w't 34 lbs. .....each $42.00

For forming tubes and cylinder creasing, etc.

No. 927—Creasing, with horn, round tapering end 9½ in., flat end 6½ in., w't 12½ lbs. .....each $26.00

For very small cylinders, etc.

No. 957—Needle case, flat end 8 in., small tapering end 10½ in., w't 4 lbs., each $13.00

For small tubes, rings, etc.

No. 956—Candle mould, small end 18 in., horn 8½ in., both arms round and tapering, w't 6½ lbs., each $16.00

WROUGHT IRON STAKES WITH STEEL FACE

Hatchet.

Nos.	943	944
Length of blade, in.	13	11
W't, lbs.	9	6
Each	$16.00	14.00

No. 936—Common square, face 2⅝×4½ in., w't 11 lbs. ...each $13.00

CAST IRON STAKES

Polished faces, size A, 6 in.; size B, 8½×2⅝×3½ in.; size C, 5½×4½ in.; size D, 5¾×4½×3¾ in.

No. E949—Double seaming, with 4 heads, round, square, oblong and oval, w't 110 lbs. .....each $36.00

Cast iron, polished face, for locking seams on conductor pipe.

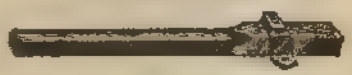
No. E971—Conductor, turned, large end 15 in., small end 11⅞ in. long, w't 30 lbs. .....each $18.00

HOLLOW MANDRELS

Cast iron, polished face, heavy clamps for attaching to bench.

No. E910—Entire length 3 ft. 4 in., flat part 9 in. long 6 in. wide, oval part 31 in. long, w't 60 lbs., each $18.00

PIPE MANDRELS



No. E65—Cast stove pipe, length 36 in., width 4½ in., w't 38 lbs., each $11.00

A low-priced mandrel for a dealer who does not have a regular tinshop.

BENCH PLATES

Cast iron, planed surface.

No. E981—37×8 in., w't 50 lbs., each $20.00

No. E982—30×8 in., w't 37 lbs., each $14.00

"HANDY" SEAMERS

Adjustable for seams of different widths up to ¾ in. Can be used where larger seamers would not be practical. As it is light it can be carried in tool kit or pocket.

No. 791—Japanned, length 7 in., width 3⅜ in. ....per dozen $48.00

RULES AND STRAIGHT EDGES

Back.

36 in. Long.

Laid off on one side with two rows of figures, the first like an ordinary steel square, by eights and inches up to three feet. The second is a line of circumferences divided into 113 equal parts; each of these divisions is again sub-divided into 8 equal parts, the large divisions representing an inch to a scale and sub-divisions an eighth of an inch. Therefore, against any diameter the circumference in this line to a scale in inches and eighths of inches can be found.

The reverse side of rule gives dimensions of measures and cans. The first two tables are for flaring measures. 1st. Liquid measures, 1 to 5 gal. 2d. Dry measures, 1 to 2 bu., giving diameter of top and bottom and height of each size and kind.

Third table is for cans with pitch or cone tops, 1 to 10 gal., giving diameter of top and body and compass marks for striking breast.

Fourth table is for flat top cans from 100 to 200 gal. (thirty-one different sizes), giving height and diameter.

Fifth table is for dry measure, from 1 qt. to 3 bu., giving height and diameter.

No. 5—Plain polished, w't 1¾ lbs., each $6.50

No. 95—Nickel plated, w't 1¾ lbs., each $8.00

MAGIC PATTERN RULES

Marked in circumference inches on the front and in inches and eighths on the back. The two slides have set screws into which trammel points are fastened. Particularly convenient for laying out elbow patterns.

No. 7—Lufkin's, nickel plated steel bar, length 4 ft. 7/16 in., square, with two slides, trammel points and flexible steel ribbon, with pattern chart mounted on linen, 19×23 in., hinged wooden case w't 7 lbs., each $26.00

TINNERS' RIVETS SETS

Hibbard, forged steel, hardened and tempered, forged finish.

Nos.	00R	0R	1R	2R
For rivets, lbs.	14	10&12	8	6
Each	$0.90	.90	.80	.80
Nos.	**3R**	**4R**	**5R**	
For rivets, lbs.	4&5	2½&3	1½&2	
Each	$0.70	.70	.50	
Nos.	**6R**	**7R**	**8R**	
For rivets, lbs	1½	1¼	⅞&1	
Each	$0.50	.50	.50	

HALF DOZEN IN A BOX

P. S. & W Co's forged steel, gun metal finish.

Nos.	00P	0P	1P	2P
For rivets, lbs.	14	10&12	8	6
Each	$1.30	1.30	1.10	1.10
Nos.	**3P**	**4P**	**5P**	
For rivets, lbs.	4&5	2½&3	1½&2	
Each	$0.90	.90	.70	
Nos.	**6P**	**7P**	**8P**	
For rivets, lbs.	1½	1¼	⅞&1	
Each	$0.70	.60	.60	

HALF DOZEN IN A BOX

Carry a line of goods upon which you can rely.

The dealer who carries H. S. B. & Co. Brands marks his store as a place where the better goods are sold.

A house with over sixty-eight years' experience stands back of our brands.

SOLDERING COPPERS

Forged sharp points.

Nos.	1-2	3-4
W't, pair, lbs.	¾	1
Per pair	$0.60	.85
Nos.	**1**	**1½**	**2**	**2½**
W't, pair, lbs.	1	1¼	2	2½
Per pair	$0.70	.90	1.10	1.30
Nos.	**3**	**4**	**5**
W't, pair, lbs.	3	4	5
Per pair	$1.50	2.00	2.50
Nos.	**6**	**8**	**10**
W't, pair, lbs.	6	8	10
Per pair	$3.00	4.00	5.00

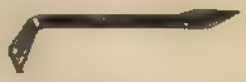
LOOSE

SOLDERING COPPER HANDLES

No. 1—Soft wood, wire bound, assorted, w't per doz. 2 lbs., per dozen $0.60

LOOSE

TINNERS' ROOFING AND PLUMBERS' SCRAPERS



Forged from the highest grade of steel, well tempered and finely finished.

No. 996—Solid steel, size 3/16×⅝×10 in., w't per doz. 2 lbs. .per dozen $9.00

HALF DOZEN IN A PACKAGE

Our Very Best for Fifty Years Has Stood the Test

TINNERS' TOOLS

FIRE POTS

Burner produces an intensely hot flame, free from smoke, will heat irons and a pot of metal at one time. Top section may be removed and open flame used.

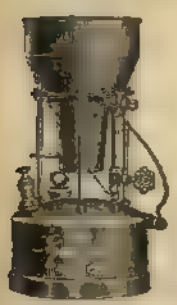
No. R50 [illegible]—Gasoline, heavy, welded steel tank, capacity 5 pts., fixed brass air pump, never leak type, positive needle valve, height 12 in., diam. at base 8½ in., top 6 in., w't 13 lbs. .....each $23.80

C and L.

Gasoline, seamless drawn steel tank with large funnel and filler, fixed brass pump, needle valve, fittings welded, not soldered. Heats irons and a pot of metal at same time. Top section may be removed and open flame used

Nos.	R1	R5
Capacity, pts.	7	5
Height, in.	13	13
Diam. at base, in.	9¾	8¼
Diam. at top, in.	7	6¼
W't, lbs.	11	10¼
Each	$26.00	23 80

ONE IN A BOX

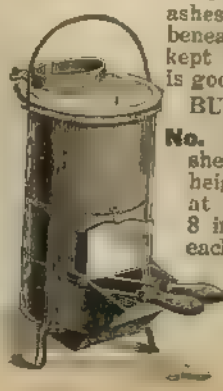


No. R21—C. and L., gasoline, seamless drawn steel tank, large funnel and filler, heavy uprights, large valve and heavy malleable top plate and one piece steel shield, burner and coils of extra heavy steel, needle point valve, automatic brass pump, height 17½ in., diam. at base 8¾ in., w't each 9¾ lbs. ..each $20 40

FIRE POTS

No. R3—Gem, gasoline, aluminum bronze, cast iron furnace, removable top, feed regulator, needle valve, all cast brass fittings, japanned wood handle, sliding drip cup, rubber pump bulb 21×7 in. sheet steel base, 10¾×4¾ in. sheet steel reservoir, w't 24 lbs. .....each $28.50

No. R15—Gasoline, seamless drawn steel tank, capacity 1 gal., brass air pump, needle valve, cast hood with opening for melting pot, cast "horse shoe" burner, w't 20 lbs..each $24.00



So constructed that ashes fall into pan beneath coal; fire is kept clear and draft is good.

BUTTLES Pattern

No. R76—Charcoal, sheet iron japanned, height 14 in., diam. at base 6 in., top 8 in., w't 32 lbs.. each $10.00

ONE IN A BOX

RUBBER BULBS

No. 45—For gasoline fire pots, w't ¼ lb. .....each $1.00

MELTING POTS

Fits any Make Furnace

No. 65—Size 5 in., cast iron with bail, w't each about 3¾ lbs., each $1.20

GAS FURNACES

DOUBLE BURNER, FOR NATURAL OR ARTIFICIAL GAS

Burner used gives an intense heat, makes no smoke and economizes time. Air blower not required when heating coppers.

No. R794—Sheet iron top, brick lined, arranged to receive two coppers, each $14.00

STANDARD WIRE GAUGES

No. 2—Cast steel, round, small gauges Nos. 6 to 36, w't per doz. each $28.80

No. 1—Cast steel, round, large, gauges Nos. 0 to 36, w't per doz. 2¼ lbs., per dozen $48.00

HALF DOZEN IN A BOX

The Pullman—Known All Over the World as the Perfect Davenport Bed

The Pullman is regarded as the highest attainment in the Davenport Bed idea. Never before have there been such beautiful patterns, such noble designs and such expert workmanship as shown in the present line of Pullman Davenport Beds.

The Pullman adds an extra room without increasing the rent. It gives double duty—a handsome davenport by day a comfortable bed at night.

Every family needs extra sleeping quarters in the home in case of emergency. Unexpected visitors come—a nurse may be necessary in any home at any time—friends may wish to remain over night—or it may be necessary to accommodate a neighbor, or a business friend.

Whatever the emergency or the occasion may be, a Pullman provides the extra room—the needed extra sleeping quarters

Some families may want to rent out a room because of present high rents. Some families may be moving to smaller apartments with fewer sleeping rooms—these are but SOME of the reasons for the immense popularity of the Pullman

The Pullman is in all respects the Perfect Davenport Bed

PULLMAN REVOLVING SEAT BED DAVENPORT

This magnificent Pullman is an over-stuffed in Tuxedo style. Birch mahogany, finish dull brown mahogany Deep upholstery, spring filled pillow arms, spring seat, loose cushions. Length over all, 94 in.; height from floor to top, 36 in.; depth of seat, 24 in.; width of arms, 10 in. Chair to match. Shipping weight—Davenport, 330 lbs; chair, 130 lbs.

Chair or Rocker			Davenport		
No. 323CE/2	E Grade, tapestry, velour or damask...	$128.00	No. 323E/2	E Grade, tapestry, velour or damask....	$272.00
No 323CG/2	G Grade, tapestry, velour or damask...	144.00	No 323G/2	G Grade, tapestry, velour or damask....	290.00
No. 323CK/2	K Grade, tapestry, velour or damask...	180.00	No 323K 2	K Grade, tapestry, velour or damask ...	332.00
No. 323CM/2	M Grade, tapestry, velour or damask...	200.00	No. 323M/2	M Grade, tapestry, velour or damask ..	370.00

25-lb. Mattress, $14.00 Extra

PULLMAN REVOLVING SEAT BED DAVENPORT

Birch mahogany, finish dull brown mahogany High grade deep upholstery, spring seat, loose cushions Length over all, 90 in ; height from floor to top, 38 in.; depth of seat, 23 in.; width of arms, 8 in. Chair to match. Shipping weight—Davenport, 280 lbs.; chair, 130 lbs.

Chair or Rocker			Davenport		
No 2993CE/2	E Grade, tapestry, velour or damask..	$108 50	No. 2993E/2	E Grade, tapestry, velour or damask...	$225.00
No 2993CG/2	G Grade, tapestry, velour or damask..	124.00	No. 2993G/2	G Grade, tapestry, velour or damask..	250.00
No 2993CK/2	K Grade, tapestry, velour or damask..	148.00	No 2993K/2	K Grade, tapestry, velour or damask...	290.00
No. 2993CM/2	M Grade, tapestry, velour or damask..	163.00	No 2993M/2	M Grade, tapestry, velour or damask...	316.00

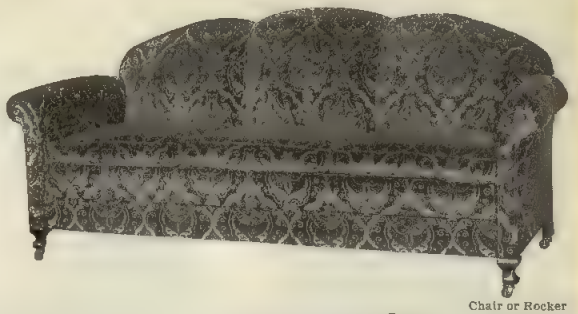
25-lb. Mattress, $14.00 Extra

SHIPPED FROM CHICAGO

Latest Styles in Genuine Pullman Davenport Beds

Pullman Revolving Seat Bed Davenport

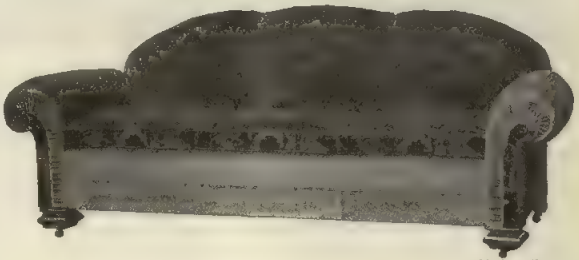
Overstuffed Queen Anne Style. Birch mahogany, finish dull brown mahogany. High grade deep upholstery. Spring seat and loose cushion. Length over all, 89 in.; height from floor to top, 39 in.; depth of seat, 21 in.; width of arms 7 in. Chair and rocker to match. Shipping weight—Davenport, 300 lbs.



	Davenport	Price	Chair or Rocker to Match
No 2990E/3	Davenport, E Grade, tapestry, velour or damask	$196.00	$ 88.00
No 2990G/3	Davenport, G Grade, tapestry, velour or damask	222.00	104.00
No 2990K/3	Davenport, K Grade, tapestry, velour or damask	262.50	125.00
No 2990M/3	Davenport, M Grade, tapestry, velour or damask	290.00	142.00

Pullman Revolving Seat Bed Davenport

Early English style. Birch mahogany, finish dull brown mahogany. High grade deep upholstery, spring seat, loose cushions. Length over all, 95 in.; height from floor to top, 36 in.; depth of seat, 24 in.; width of arms, 10 in. Chair and rocker to match.



	Davenport	Price	Chair or Rocker to Match
No 2998E/3	Davenport, E Grade, tapestry, velour or damask	$254.00	$128.00
No 2998G/3	Davenport, G Grade, tapestry, velour or damask	290.00	148.00
No. 2998K/3	Davenport, K Grade, tapestry, velour or damask	332.00	180.00
No. 2998M/3	Davenport, M Grade, tapestry, velour or damask	362.00	190.50

Pullman Revolving Seat Bed Davenport

Birch mahogany, finish dull brown mahogany. High grade deep upholstery, spring seat, loose cushions. Length over all, 88 in.; height from floor to top, 36 in.; depth of seat, 24 in.; width of arms, 8 in. Chair and rocker to match.

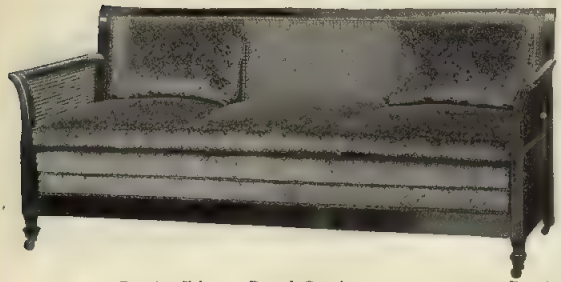
	Davenport	Price	Chair or Rocker to Match
No. 2910E/3	Davenport, E Grade, tapestry, velour or damask	$216.00	$118.00
No 2910G/3	Davenport, G Grade, tapestry, velour or damask	276.00	134.00
No. 2910K/3	Davenport, K Grade, tapestry, velour or damask	312.50	156.00
No. 2910M/3	Davenport, M Grade, tapestry, velour or damask	340.00	171.00

20-lb. Mattress, $8.00 Extra 25-lb Mattress, $11.00 Extra

Shipped F. O. B. Chicago Stock

Pullman—The Best in Davenport Beds

CHAIRS AND ROCKERS TO MATCH FOR COMPLETE SUITES. SHIPPED FROM CHICAGO.

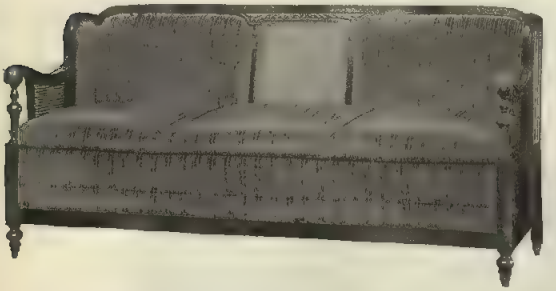


Pullman Revolving Seat Bed Davenport

Birch mahogany, finish dull brown mahogany. Cane panel back and end. High grade deep upholstery. Spring seat, loose cushions, square back pillows. Length over all, 80 in.; height from floor to top, 34 in.; depth of seat, 26 in.; width of arms, 3 in. Chair and rocker to match.

Tapestry, Velour or Damask Covering				
No. 2894E/5	Davenport.	E Grade.	Price....	$184.00
No. 2894G/5	Davenport.	G Grade.	Price....	203.00
No. 2894K/5	Davenport.	K Grade.	Price....	235.00
No. 2894M/5	Davenport	M Grade	Price ...	255.00

Tapestry, Velour or Damask Covering				
No. 2804CE/5	Chair or Rocker.	E Grade.	Price.	$64.50
No. 2804CG/5	Chair or Rocker.	G Grade.	Price.	68.25
No. 2804CK/5	Chair or Rocker.	K Grade.	Price.	77.00
No. 2804CM/5	Chair or Rocker	M Grade.	Price.	82.50

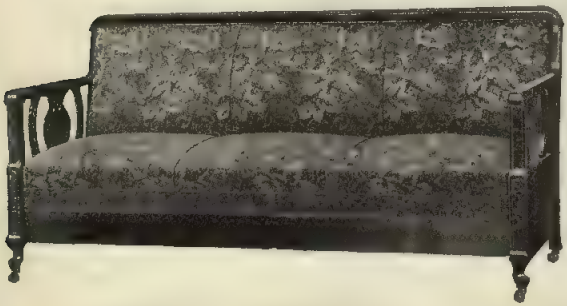


Pullman Revolving Seat Bed Davenport

William and Mary style. Cane panel in back and ends. Birch mahogany, finish dull brown mahogany. High grade deep upholstery, spring seat, loose cushions. Length over all, 78¼ in.; height from floor to top, 38½ in.; depth of seat, 23 in.; width of arms, 2⅛ in. Shipping weight—Davenport, 260 lbs.

Tapestry, Velour or Damask Covering				
No. 850E/5	Davenport	E Grade	Price	$222.00
No. 850G/5	Davenport.	G Grade.	Price.....	241.00
No. 850K/5	Davenport.	K Grade.	Price.....	274.00
No. 850M/5	Davenport.	M Grade.	Price.....	294.00

Tapestry, Velour or Damask Covering				
No. 850CE/5	Chair or Rocker.	E Grade	Price.	$94.00
No. 850CG/5	Chair or Rocker.	G Grade.	Price.	101.00
No. 850CK/5	Chair or Rocker.	K Grade	Price.	114.50
No. 850CM/5	Chair or Rocker	M Grade	Price.	122.50



Pullman Revolving Seat Bed Davenport

Queen Anne style. Birch mahogany, finish dull brown mahogany. Scrolled panel in ends, spring edge seat and spring back. Length over all, 56 in.; height from floor to top, 37 in.; depth of seat, 24 in.; width of arms, 2 in. Made also in short size. Shipping weight—Davenport, 260 lbs.

Tapestry, Velour or Damask Covering				
No 2532E/5	Davenport.	E Grade.	Price....	$141.50
No 2532G/5	Davenport	G Grade	Price....	151.00
No 2532K/5	Davenport.	K Grade	Price....	168.00
No 2532M/5	Davenport.	M Grade	Price....	176.75

20-lb. Mattress, $10.00 Extra

Tapestry, Velour or Damask Covering				
No 2532CE/5	Chair or Rocker.	E Grade.	Price.	$57.00
No. 2532CG/5	Chair or Rocker	G Grade	Price	62.50
No 2532CK/5	Chair or Rocker.	K Grade	Price.	70.50
No. 2532CM/5	Chair or Rocker.	M Grade	Price.	75.00

25-lb. Mattress, $14.00 Extra

Two Very Popular Pullman Suites

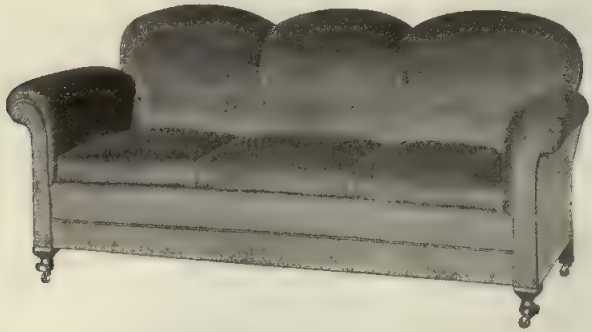
For every-day service, as well as attractiveness, these designs cannot be improved on. We know from experience they are sure to please.

PULLMAN REVOLVING SEAT BED DAVENPORT

Overstuffed club style Birch mahogany, finish dull brown mahogany High grade deep upholstery spring seat loose cushions. Length over all, 87 in.; height from floor to top, 37 in.; depth of seat, 22 in.; width of arms, 6½ in Chair to match. Shipping weight—Davenport, 280 lbs.; chair, 130 lbs.

	Club Style Davenport	
No. 394A/5	No. 2 genuine Spanish leather	$236.00
No. 394B/5	No. 2 genuine leather, blue	240.00
No. 394C/5	No. 1 genuine black or Spanish leather	260.00

	Chair or Rocker	
No. 394CA/5	Chair or Rocker to match	$104.00
No. 394CB/5	Chair or Rocker to match	106.00
No. 394CC/5	Chair or Rocker to match	120.00



PULLMAN REVOLVING SEAT BED DAVENPORT

Overstuffed Queen Anne style Birch mahogany, finish dull brown mahogany High grade deep upholstery, spring seat, loose cushions Length over all, 88 in , height from floor to top, 37¾ in , depth of seat, 23 in ; width of arms, 7 in. Chair to match. Shipping weight—Davenport, 280 lbs ; chair, 130 lbs

	Davenport	
No. 402A/5	No. 2 Spanish leather	$240.00
No. 402B/5	No. 1 black or Spanish leather	270.00
No. 402E/5	E Grade, tapestry, velour or damask	230.00
No. 402G/5	G Grade, tapestry, velour or damask	246.00
No. 402K/5	K Grade, tapestry, velour or damask	280.00
No. 402M/5	M Grade, tapestry, velour or damask	320.00

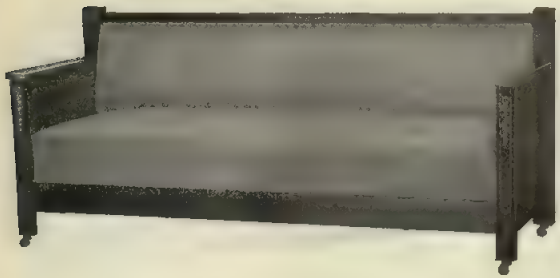
	Chair or Rocker	
	Chair or Rocker to match	$108.00
	Chair or Rocker to match	122.00
	Chair or Rocker to match	102.00
	Chair or Rocker to match	121.00
	Chair or Rocker to match	144.00
	Chair or Rocker to match	160.00

20-lb. Mattress, $8.00 Extra 25-lb. Mattress, $11.00 Extra

NOTE—ALL PRICES ARE SUBJECT TO CHANGE

Serviceable Pullmans in Genuine and Imitation Leather

SHIPPED FROM CHICAGO

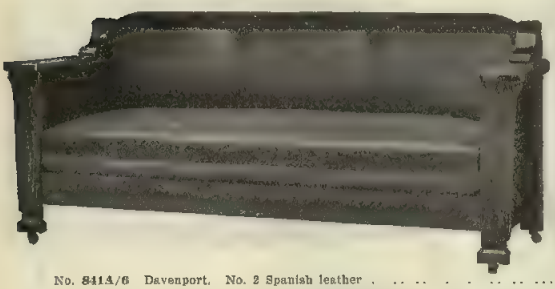


Pullman Revolving Seat Bed Davenport

Birch mahogany, finish dull brown; quarter-sawed oak, finish golden or fumed. Spring edge seat and spring back. Length over all, 81 in.; height from floor to top, 35 in.; depth of seat, 22 in.; width of arms, 3 in. Made also in short size. Chair and rocker to match.

No. 2546A/6 Davenport. Grade 55. Spanish muleskin $82.00
No. 2546B/6 Davenport. Grade 55. Blue muleskin 68.00
No. 2546CA/6 Chair or Rocker. Grade 55. Spanish muleskin $28.50
No. 2546CB/6 Chair or Rocker. Grade 55. Blue muleskin 20.00

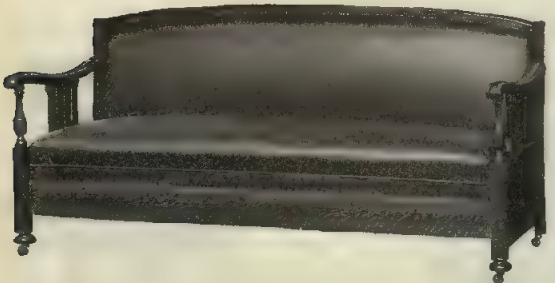
Muleskin is the highest grade imitation leather



Pullman Revolving Seat Bed Davenport

Arts and crafts style. Quartered oak veneered, finish golden or fumed. Panel ends, spring edge seat and spring back. Length over all, 87 in.; height from floor to top, 39 in.; depth of seat, 23 in.; width of arms, 6½ in. Made also Pullmanette size. Shipping weight. 280 lbs.

No. 841A/6 Davenport. No. 2 Spanish leather $124.50
No. 841B/6 Davenport. No. 1 black or Spanish leather 140.00



Pullman Revolving Seat Bed Davenport

Tudor style. Birch mahogany, finish dull brown; or solid quartered oak, finish golden or fumed. Spring edge seat and spring back. Length over all, 78 in.; height from floor to top, 38 in.; depth of seat, 23 in.; width of arms, 2 in. Chair or rocker to match. Shipping weight, 280 lbs.

No. 2542A/6 Davenport. No. 2 Spanish leather. $120.00
No. 2542B/6 Davenport No. 1 black or Spanish leather $142.50
No. 2542CA/6 Chair or Rocker. No. 2 Spanish leather $42.00
No. 2542CB/6 Chair or Rocker. No. 1 black or Spanish leather 51.00

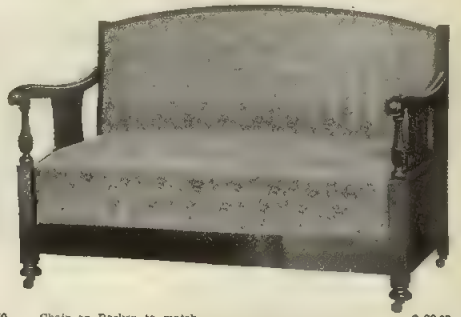
20-lb. Mattress, $8.00 Extra 25-lb. Mattress, $11.00 Extra

Shipped F. O. B. Chicago Stock

Pullmanette Suites

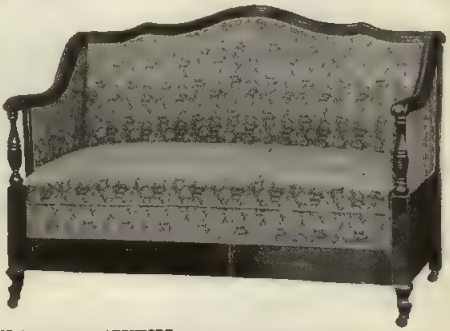
FULLMAN REVOLVING SEAT BED DAVENPORT

Tudor style. Birch mahogany, finish dull brown, or solid quartered oak, finished golden or fumed. Spring edge seat and spring back. Length over all, 56 in.; height from floor to top, 48 in.; depth of seat, 23 in.; width of arms, 2 in. Because to match. Shipping weight—Davenport, 360 lbs.; rocker, 80 lbs.



No. 3542A/7	Davenport, muleskin Spanish leather	$110.50
No. 3542B/7	Davenport, No. 2 genuine Spanish leather	135.50
No. 3542E/7	Davenport, E Grade, tapestry, velour or damask	128.50
No. 3542G/7	Davenport, G Grade, tapestry, velour or damask	140.00
No. 3542K/7	Davenport, K Grade, tapestry, velour or damask	168.00
No. 3542M/7	Davenport, M Grade, tapestry, velour or damask	178.50

	Chair or Rocker to match	$ 38.00
	Chair or Rocker to match	42.00
	Chair or Rocker to match	46.00
	Chair or Rocker to match	52.50
	Chair or Rocker to match	61.00

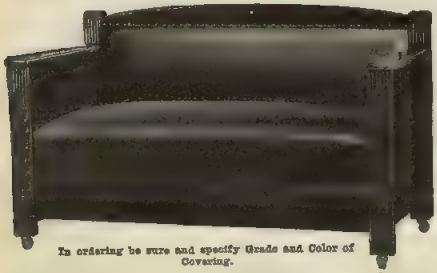


FULLMAN REVOLVING SEAT BED DAVENPORT

Queen Anne style. Birch mahogany, finish dull brown mahogany, or solid quartered oak, finish golden or fumed. Spring edge seat and spring back. Upholstered ends. Length over all 66¼ in.; height from floor to top, 39 in.; depth of seat, 23 in. Width of arms, 2⅛ in. Made also in long size. Rocker to match. Shipping weight—Davenport, 360 lbs.; rocker 80 lbs.

No. 3883A/7	Davenport, muleskin Spanish leather	$122.00
No. 3883B/7	Davenport, No. 2 genuine Spanish leather	146.00
No. 3883E/7	Davenport, E Grade tapestry, velour or damask	136.00
No. 3883G/7	Davenport, G Grade tapestry velour or damask	172.00
No. 3883K/7	Davenport, K Grade tapestry velour or damask	194.00
No. 3883M/7	Davenport, M Grade, tapestry, velour or damask	210.50

	Chair or Rocker to match	$ 55.00
	Chair or Rocker to match	62.50
	Chair or Rocker to match	70.00
	Chair or Rocker to match	90.00
	Chair or Rocker to match	96.00
	Chair or Rocker to match	100.00



In ordering be sure and specify Grade and Color of Covering.

No. 3601B/7	Davenport, black or Spanish muleskin	$ 98.00
No. 3601C/7	Davenport, Spanish No. 2 leather	104.00
No. 3601E/7	Davenport, E Grade, tapestry, velour or damask	108.00

Shipped F. O. B. Chicago Stock

20-lb. Mattress, $8.00 Extra

Adam Period Pullman Bed-Davenport Suite

Panel ends, spring edge seat and spring back. Davenport length, 60 in.; height, floor to top, 37½ in.; depth of seat, 23 in.; width of arms, 4¼ in.

Shipping weight. Davenport, 285 lbs. Chair and rocker, 175 lbs.

3601CB/7	Chair or Rocker, black or Spanish muleskin	$31.00
3601CC/7	Chair or Rocker, Spanish No. 2 leather	36.00
3601CE/7	Chair or Rocker, E Grade, tapestry, velour or damask	42.00

25-lb. Mattress $11.00 Extra

These Pullmans Add Another Room to Your Home

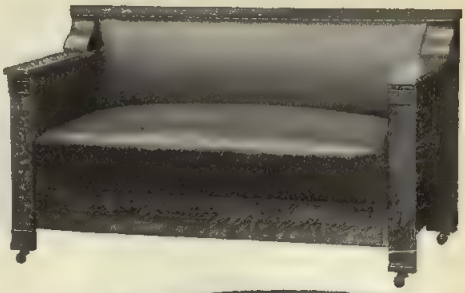
Pullman Revolving Seat Bed Davenport

Birch mahogany, finish dull brown, or solid quarter-sawed oak, finish golden or fumed. Panel ends, spring edge seat, spring back. Length over all, 60 in.; height from floor to top, 34 in.; depth of seat, 22 in.; width of arms, 4 in. Made also in the long davenport. Chair and rocker to match.

No. 3554/8 Davenport—

Muleskin, imitation Spanish leather	$ 79.00
No. 2 genuine Spanish leather	94.00
No. 1 genuine black or Spanish leather	110.00

Can also be supplied in E Grade Tapestry at same price as No. 2 Leather.



Pullman Revolving Seat Bed Davenport

Birch mahogany or solid quartered oak, finish golden or fumed. Panel ends, spring edge seat, spring back. Length over all, 60 in.; height from floor to top, 38 in.; depth of seat, 22 in.; width of arms, 4 in. Made also in long size. Chair and rocker to match.

No 3547/8 Davenport —

Muleskin, imitation Spanish leather	$ 85.00
No. 2 genuine Spanish leather	100.00
No. 1 genuine black or Spanish leather	116.00

Can also be supplied in E Grade Tapestry at same price as No. 2 Leather

Pullman Revolving Seat Bed Davenport

Birch mahogany, finish dull brown; solid quartered oak, finish golden or fumed. Panel ends, spring edge seat and spring back. Length over all, 61 in.; height from floor to top, 37 in.; depth of seat, 23 in.; width of arms, 4½ in. Made also in long size. Chair and rocker to match.

No 3550/8 Davenport—

Muleskin, imitation Spanish leather	$ 99.50
No 2 genuine Spanish leather	116.00
No. 1 genuine black or Spanish leather	133.00

Can also be supplied in E Grade Tapestry at same price as No. 2 Leather.

Pullman Revolving Seat Bed Davenport

Colonial style. Birch mahogany, finish dull brown, or solid quartered oak, finish golden or fumed. Panel ends, spring edge seat and spring back. Length over all, 60 in.; height from floor to top, 37 in.; depth of seat, 23 in.; width of arms, 4 in. Made also in long size. Chair and rocker to match.

No. 3561/8 Davenport—

Muleskin, imitation Spanish leather	$119.50
No. 2 genuine Spanish leather	138.00
No. 1 genuine black or Spanish leather	156.00

Can also be supplied in E Grade Tapestry at same price as No 2 Leather.

ALWAYS STATE UPHOLSTERING WANTED WHEN ORDERING

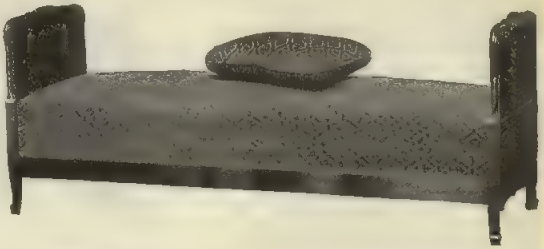
Day Beds Are Much in Favor

And by owning a genuine Pullman you have the advantage of a comfortable full size bed by merely revolving the seat. Without doubt the Pullman is the leading day bed on the market.

PULLMAN REVOLVING SEAT DAY BED

Birch mahogany, finish dull brown. Carved overlay on paneled ends, spring edge seat with separate floss filled pillow. Length over all, 77 in.; height from floor to top, 32 in.; width of seat, 27 in.; width of bed when open, 3 ft. 10 in

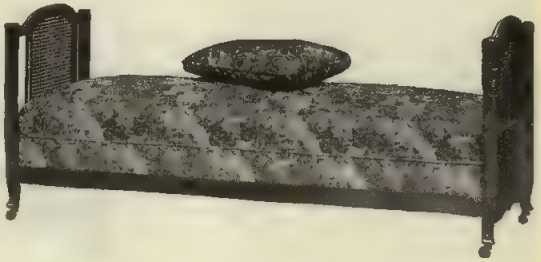
No. 4245D/9 Day Bed Grade D tapestry Price $102.00
No. 4245E/9 Day Bed Grade E, tapestry, velour or damask. Price.....$108.00
No 4245G/9 Day Bed. Grade G, tapestry, velour or damask Price..... 125.00
No. 4245K/9 Day Bed Grade K, tapestry, velour or damask Price.....$149.00



PULLMAN REVOLVING SEAT DAY BED

Birch mahogany, finish dull brown. Spring edge seat, with separate floss filled pillow. Length over all, 77 in ; height from floor to top, 32 in.; width of seat, 27 in.; width of bed when open, 3 ft. 10 in. Shipping weight, 260 lbs.

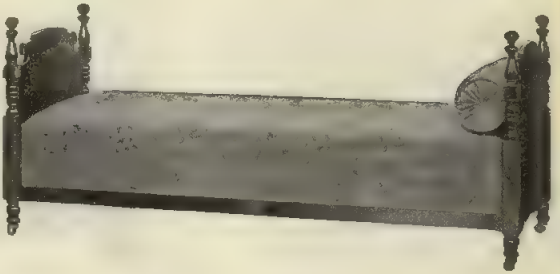
No. 4222D/9 Day Bed Grade D, tapestry. Price $115.00
No. 4222E/9 Day Bed Grade E, tapestry, velour or damask. Price.....$120.00
No 4222G/9 Day Bed Grade G, tapestry. velour or damask. Price.....$138.00
No. 4222K/9 Day Bed Grade K, tapestry, velour or damask Price.....$160.00



PULLMAN REVOLVING SEAT DAY BED

Colonial style. Birch mahogany, finish dull brown mahogany. Spring seat and separate bolster pillow. Length over all, 77 in.; height from floor to top, 33 in ; width of seat 29 in.; width of bed when open, 3 ft. 10 in. Shipping weight, 260 lbs.

No. 4224D/9 Day Bed. Grade D, tapestry Price $125.00
No. 4224E/9 Day Bed. Grade E, tapestry, velour or damask. Price.....$132.00
No. 4224G/9 Day Bed. Grade G, tapestry, velour or damask. Price.....$140.00
No. 4224K/9 Day Bed. Grade K, tapestry velour or damask Price.....$170.00



PULLMAN REVOLVING SEAT CHAISE LONGUE

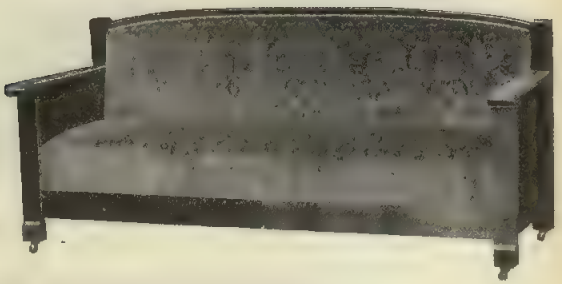
Louis XVI style. Birch mahogany, finish dull brown Cane panel in back and ends Pullman de luxe upholstery, with sunburst pillow and bolster. Length over all, 80 in.; height from floor to top, 35 in.; width of seat, 27 in.; width of bed when open, 3 ft. 10 in Shipping weight, 260 lbs.

No. 4605D/9 Chaise Longue. Grade D, tapestry Price $184.00
No 4605E/9 Chaise Longue Grade E, tapestry, velour or damask Price....$190.00
No 4605G/9 Chaise Longue Grade G, tapestry, velour or damask Price....$208.00
No. 4605K/9 Chaise Longue. Grade K, tapestry, velour or damask Price ...$230.00

20-lb. Day Bed Pad, Extra $8.00
25-lb Day Bed Pad, Extra $11.00

Shipped from Chicago

Exceptional Values in Genuine Pullman Suites



PULLMAN REVOLVING SEAT BED DAVENPORT

Birch mahogany, finish dull brown Spring edge seat and spring back Panel ends Length over all, 60 in.; height from floor to top, 37 in ; depth of seat, 23 in.; width of arms, 4 in. Made also in long size. Chair and rocker to match.

Davenport			Chair or Rocker		
No. 2581D/10	D Grade, tapestry	$ 90.00	No. 2581CD/10	D Grade, tapestry	$27.50
No. 2581E/10	E Grade, tapestry, velour or damask	101.00	No. 2581CE/10	E Grade, tapestry, velour or damask	30.00
No. 2581G/10	G Grade, tapestry, velour or damask	108.00	No 2581CG/10	G Grade tapestry, velour or damask	32.50
No. 2581K/10	K Grade, tapestry, velour or damask	114.00	No 2581CK/10	K Grade, tapestry, velour or damask	34.00

PULLMAN REVOLVING SEAT BED DAVENPORT

Italian style Birch mahogany, finish dull brown Spring edge seat and spring back Length over all, 81 in ; height from floor to top, 39 in . depth of seat, 23 in., width of arms, 3 in. Made also in short size Chair and rocker to match

Davenport			Chair or Rocker		
No 2571D/10	D Grade, tapestry	$121.00	No. 2571CD/10	D Grade, tapestry	$42.00
No 2571E/10	E Grade, tapestry, velour or damask	126.00	No 2571CE/10	E Grade, tapestry, velour or damask	45.00
No. 2571G/10	G Grade, tapestry, velour or damask	137.00	No 2571CG 10	G Grade, tapestry, velour or damask	51.00
No. 2571K/10	K Grade, tapestry, velour or damask	142.00	No. 2571CK/10	K Grade, tapestry, velour or damask	54.00

20-lb. Mattress, $8.00 Extra 35-lb. Mattress, $11.00 Extra

Shipped F. O. B. Chicago Stock

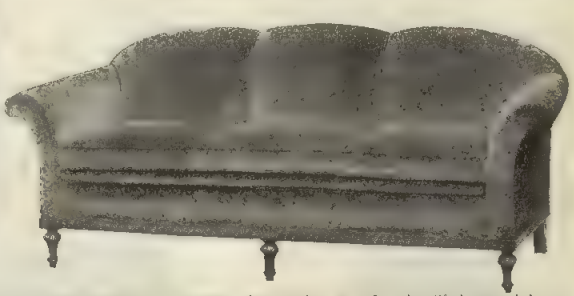
High Grade Overstuffed Suites

There is more deception in this kind of furniture than any other and for this reason we are showing but one manufacturer's line. After years of investigation and experience with different lines we offer this year what we know to be one of the best made, as well as designed series of suites on the market.

Here is a beautiful design. Surely no nicer living room suite could be wished for. It is one of the newest designs and exceptionally rich in appearance and indicative of good taste. Every line and every feature in it is handsome. Davenport is significant of comfort and luxury. Proven parts of this style have always been sought and recognized as the most desirable. It is exceptionally large, roomy and suitable for any home. Details—Extreme length, 86 in.; seat 18 in. high, 24 in. deep. Full spring construction. 168 springs in seat. Cushions removable. Weight of sofa, 200 lbs.; chair, 150 lbs.

		Tapestry Grade 6	Velour or Tapestry Grade 12	Velour of Mohair Grade 16
No. 100 /11	Sofa	$146.00	$174.00	$256.00
No. 100C/11	Chair	74.00	88.00	128.00

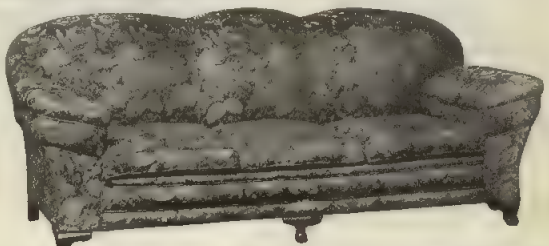
Rocker same price as chair. State kind and color of upholstery wanted.



The popularity of this suite right now is not a fad but will continue for the season, that anything that adds to beautify homes will be permanent. The inviting softness makes the suite the most comfortable to be found. We strongly recommend this number when a sofa of the finest quality, finish and design at the price consistent with its merits is desired. It is a piece of furniture that will continually invite admiration. With fancy fluted legs and a well defined border trimming. The finishes can be supplied in mahogany, walnut or golden oak. Details—Extreme length, 84 in., seat 17 in. high, 25 in. deep. Full spring construction. 160 springs in seat. Cushions removable. Weight, Sofa, 200 lbs. chair, 150 lbs.

		Tapestry Grade 6	Velour or Tapestry Grade 12	Velour of Mohair Grade 16
No. 102 /11	Sofa	Not made	$254.00	$300.00
No. 102C /11	Chair	Not made	138.00	154.00
No. 102FC/11	Fireside Chair, as shown above.	Not made	164.00	190.00

Rocker same price as chair. State kind and color of upholstering wanted.



A big massive and luxurious number. It is built for comfort and called commonly the original overstuffed living room suite. Substantially constructed and of the highest type of upholstering. This suite has proven to be much admired by many of our particular customers who insist on the latest styles at a moderate price. Details. Extreme length, 90 in., seat, 18 in. high, 26 in. deep. Full spring construction, including spring arms. 169 springs in seat. Chairs have 90 springs. Weight of sofa, 400 lbs.; chairs, 150 lbs. Loose removable cushions.

		Tapestry Grade 6	Velour or Tapestry Grade 12	Velour of Monair Grade 16
No. 4628 /11	Sofa	$189.00	$240.00	$320.00
No. 4628C 11	Chair	94.00	132.00	160.00

SPECIAL NOTE—Sofas covered on back with same material as upholstering **$30.00** to **$50.00** net extra. Birch mahogany finished feet are dipped unless otherwise ordered. All prices subject to change.

SOCKET WRENCHES

WALDEN-WORCESTER

Long Shank Brace Grinder Wrench. Some garage men prefer the brace grinder in place of short grinder VG3. Fork end flexible and will reach all valves including one under dashboard.

No.	Shank	Sweep	Length	Wt. each	Each
VG2	10 in	8 in.	18¾ in.	1½ lbs.	$0 95

Five in a carton.

Short Valve Grinder Wrench. The original wire handle valve grinder redesigned with ⅝" bar handle which swivels on cone bearing. The fork end fits the head perfectly.

No.	Length	Wt. each	Each
VG3	3¾ in.	½ lb.	$0.55

Five in a carton.

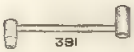
INTERCHANGEABLE STEEL SOCKETS

These sockets are machine made from the solid bar. Broaching depth is the thickness of the nut to be fitted, and broached ¼" over the size of the nut. Sockets are counter drilled making extreme bolt size depth of socket ½" more than the thickness of the nut. The outside diameter of the socket size and taper have been designed to insure strength and service conditions. The broached end is countersunk slightly to relieve the square edges and to allow more rapid placing of socket on bolt head. All sockets are heat treated to toughen them.

Socket Stock Nos. Square	Hex	Sizes Screws-Bolts-Nuts: Socket sizes	SAE nuts and cap screws	U. S. standard nuts	U. S. stand. cap screws	U. S. standard boll heads unfinished
114	214	⅛ in.	¼ in.	¼ in.	¼ in.	in.
116	216	½ in.	⅜ in.	¼ in.	⅜ in.	¼ in.
118	218	⅜ in.	⅜ in.	⅜ in.	⅜ in.	in.
	219	⅜ in.	in.	⅜ in.	in.	⅜ in.
120	220	⅝ in.	½ in.	in.	½ in.	in.
122	222	⅝ in.	in.	⅜ in.	in.	⅜ in.
124	224	¾ in.	½ in.	in.	½ in.	in.
	225	¾ in.	in.	⅜ in.	in.	in.
	226	⅞ in.	in.	in.	⅝ in.	in.
128	228	⅞ in.	⅝ in.	½ in.	⅝ in.	½ in.
	230	⅞ in.	⅝ in.	in.	in.	in.
	231	⅞ in.	in.	⅝ in.	in.	⅝ in.
132	232	1 in.	⅞ in.	in.	¾ in.	in.
	234	1⅛ in.	¾ in.	⅝ in.	in.	⅝ in.
136	236	1⅛ in.	in.	in.	⅞ in.	in.
140	240	1¼ in.	⅞ in.	¾ in.	1 in.	¾ in.

No.	Wt. each	Each
114 to 118	¼ lb.	$0 40
120	¼ lb.	.45
122	¼ lb.	.50
124	½ lb.	.55
128	½ lb.	.65
132	½ lb.	.75
136	½ lb.	.80
140	½ lb.	.80
214 to 222	¼ lb.	.40
224 and 225	½ lb.	.45
226 to 230	½ lb.	.50
231 and 232	¾ lb.	.60
234 to 240	¾ lb.	.65

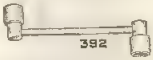
Five in a carton.



Double End Offset Wrench. Socket sizes ⅝" and ½".

No.	Length	Wt. each	Each
391	8 in.	¾ lb.	$0.80

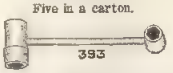
Five in a carton.



Double End Offset Wrench. Socket sizes ⅞" and 1 1/16".

No.	Length	Wt. each	Each
392	9¼ in.	1¼ lbs.	$1.10

Five in a carton.



Quadruple Socket Offset Wrench. Socket sizes 1/16", 1 1/16", 33/64", ¾".

No.	Length	Wt. each	Each
393	10½ in.	1¾ lbs.	$1.80

Five in a carton.

L Type Wrench 8" x 8". Socket sizes ¾" and ⅞".

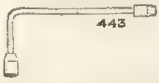
No.	Wt. each	Each
394	1½ lbs.	$0 85

Five in a carton.

L Type Wrench 4" x 4". Socket sizes ½" and 9/16".

No.	Wt. each	Each
395	1 lb.	$0.70

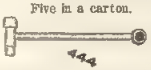
Five in a carton.



L Type Wrench 9 1/16" x 4 1/16". Socket sizes 5/8" and 11/16".

No.	Wt. each	Each
443	1¼ lbs.	$0.80

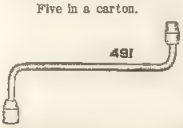
Five in a carton.



Triple Socket Offset Wrench. Socket sizes ½", 9/16" and 5/8".

No.	Length	Wt. each	Each
444	9 in.	1 lb.	$0.85

Five in a carton.



Double End Offset Wrench. Socket sizes 9/16" and ¾".

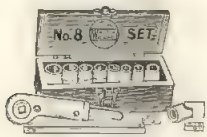
No.	Length	Wt. each	Each
491	10½ in.	1½ lbs.	$0.80

Five in a carton.

SOCKET WRENCHES

WALDEN-WORCESTER

NO. 8 INTERCHANGEABLE SOCKET WRENCH SETS



Assortment particularly selected to fit Ford cars.

No. 516 9" Ratchet Wrench.

No. 1139—9" Extension Bar

No. 1102—Universal Joint.

No. 1109—Plug Connections (two).

7 Sockets—Hexagonal $\frac{1}{2}$, $\frac{7}{16}$, $\frac{5}{8}$, $\frac{11}{16}$, $\frac{3}{4}$, $\frac{7}{8}$, $\frac{15}{16}$.

1 Socket—Square $\frac{5}{16}$.

Set No.	Box size	Wt. per set	Per set
8	10$\frac{7}{16}$ x 4 x 2$\frac{5}{8}$	7 lbs.	$10 00

One set in a handsome hardwood case

NO. 26 INTERCHANGEABLE SOCKET WRENCH SETS

This set is similar in every respect to the No. 27 Set except that it does not contain the series of square sockets. It is especially well adapted for use in service stations, garages and repair shops, on all classes of automotive work.

No. 716—12" Ratchet Wrench.

No. 1135—5" Extension Bar.

No. 1139—9" Extension Bar.

No. 1105—Combination T and Offset Handle.

No. 1102—Universal Joint.

No. 1107—Brace Wrench.

No. 1108—Brace Top.

No. 1109—Plug Connectors (two).

No. 1110—Socket Connector.

16 Hex. Sockets—$\frac{7}{16}$, $\frac{1}{2}$, $\frac{9}{16}$, $\frac{5}{8}$, $\frac{11}{16}$, $\frac{3}{4}$, $\frac{13}{16}$, $\frac{7}{8}$, $\frac{15}{16}$, $\frac{1}{1}$, 1, 1$\frac{1}{16}$, 1$\frac{1}{8}$, 1$\frac{1}{4}$.

5 Open End Wrenches.

Set No.	Box size	Wt. per set	Per set
26	16 x 10$\frac{1}{2}$ x 2$\frac{7}{8}$	19$\frac{1}{4}$ lbs.	$21.00

One set in a handsome hardwood case.

NO. 16 INTERCHANGEABLE SOCKET WRENCH SETS

A most desirable socket wrench set for owner's use and for general service where the purchase of the larger No. 27 set would not be warranted

No. 516—9" Ratchet Wrench.

No. 1139—9" Extension Bar

No. 1102—Universal Joint.

16 Sockets—Hexagonal $\frac{7}{16}$, $\frac{1}{2}$, $\frac{9}{16}$, $\frac{11}{32}$, $\frac{5}{8}$, $\frac{13}{16}$, $\frac{3}{4}$, $\frac{29}{32}$, $\frac{15}{16}$, $\frac{7}{8}$, $\frac{1}{16}$, $\frac{31}{32}$, 1, 1$\frac{1}{16}$, 1$\frac{1}{8}$, 1$\frac{1}{4}$.

Set No.	Box size	Wt. per set	Per set
16	12 x 5 x 2$\frac{5}{8}$	11 lbs.	$14.50

One set in a handsome hardwood case.

NO. 27 INTERCHANGEABLE SOCKET WRENCH SETS

A complete, heavy duty socket wrench set for use by mechanics or millwrights in service station, garage or general factory and mill service.

No. 716—12" Ratchet Wrench.

No. 1135—5" Extension Bar.

No. 1139—9" Extension Bar.

No. 1105—Combination T and Offset Handle.

No. 1102—Universal Joint.

No. 1107—Brace Wrench.

No. 1108—Brace Top.

No. 1109—Plug Connectors (two).

No. 1110—Socket Connector.

16 Hex. Sockets—$\frac{7}{16}$, $\frac{1}{2}$, $\frac{9}{16}$, $\frac{11}{32}$, $\frac{5}{8}$, $\frac{13}{16}$, $\frac{3}{4}$, $\frac{29}{32}$, $\frac{15}{16}$, $\frac{7}{8}$, $\frac{1}{16}$, $\frac{31}{32}$, 1, 1$\frac{1}{16}$, 1$\frac{1}{8}$, 1$\frac{1}{4}$.

11 Square Sockets—$\frac{5}{16}$, $\frac{7}{16}$, $\frac{1}{2}$, $\frac{9}{16}$, $\frac{5}{8}$, $\frac{11}{16}$, $\frac{3}{4}$, $\frac{7}{8}$, 1, 1$\frac{1}{8}$, 1$\frac{1}{4}$.

5 Open End Wrenches.

Set No.	Box size	Wt. per set	Per set
27	16 x 10 x 2$\frac{7}{8}$	25 lbs.	$27.00

One set in a handsome hardwood case.

SOCKET WRENCHES

WALDEN-WORCESTER

HEAVY DUTY OFFSET SOCKET

Our new 4200 series of heavy duty offset wrenches meets a demand for an improved type of offset wrenches.

The deep sockets allow for full thickness of the nut or bolt head, also sufficient depth to permit the bolt to extend through the nut.

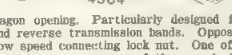
The handles are long and heavy permitting a mechanic to start any bolt without using a length of pipe.

The sockets are designed for maximum of strength and minimum of clearance required.

No.	Socket size	S.A.E. nuts and cap screws	U.S. stand. nuts	U.S.S. cap screws	Size handle	Weight each	Each
4228	⅞	1	½	⅝	⅝x10 in	1⅞ lbs	$1.10
4230	1⅛	⅞	⅝	⅝x10 in	1⅛ lbs	1.10
4231	1⅛		⅝	⅝x10 in	1⅛ lbs	1.30
4232	1	1⅛	¾	1⅛x12 in	1⅝ lbs	1.40
4234	1⅛	⅞	⅝	1⅛x12 in	2 lbs	1.65
4236	1⅛		⅞	1⅛x12 in	2 lbs	1.80
1238	1⅛			1⅛x12 in	2½ lbs	1 95
4240	1¼	⅞	¾	1	⅝x15 in	3 lbs	2.20
4242	1⅛				¾x15 in	3½ lbs	2.30
4244	1⅜			1⅛	⅝x15 in	3½ lbs	2.50
4246	1⅛	1	⅞		⅞x18 in	4⅜ lbs	2.75
4248	1½			1¼	⅞x18 in	4⅜ lbs	3.00
4250	1⅛				⅞x18 in	5½ lbs	3.00
4252	1⅝	1⅛	1		⅞x18 in	5½ lbs	3.30
4254	1⅛				⅞x18 in	6 lbs	3.50
4256	1¾				1 x20 in	7¼ lbs	3.50
4258	1⅛	1¼	1⅛		1 x20 in	7¼ lbs	3.85
4260	1⅞				1 x24 in	9 lbs	4.10
4264	2	1⅝	1¼		1 x24 in	9½ lbs	4.40

One in a package

RATCHET

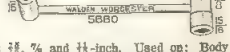


⅜-inch hexagon opening. Particularly designed for use on the Ford brake and reverse transmission bands. Opposite end ⅛-inch for use on slow speed connecting lock nut. One of the most valuable tools to an owner on account of the ease in taking up bands.

No.	Length	Wt. each	Each
4564	9 in	½ lb	$1.00

Five in a carton.

TRIPLE SOCKET OFFSET



Socket sizes ⅞, ⅞ and 1⅛-inch. Used on: Body bracket, front radius rod, front spring perch, front spring hanger, radius rod, rear hub nut, rear spring clip, rear spring hanger, rear wheel to brake drum, spindle bolt, spindle connecting rod. Truck: Brake support, rear axle housing split, rear spring hanger.

No.	Length	Wt. each	Each
5880	10½ in	1¾ lbs	$1.30

Five in a carton.

CONNECTING ROD

Fits all connecting rod cap nuts. Includes the fourth connecting rod. This is an original design, the first wrench made to reach the fourth connection without removing the engine from the car.

No.	Length	Wt. each	Each
5810	11 in	1 lb	$0 60

Five in a carton

SPEED

Shank 11¼ inches. Long shank brace socket wrenches are used as speed tools in assembling and dismantling cars. Are most efficient when used on a series of the same sized nuts as on cylinder heads. These tools are big time savers, and are considered indispensable in garages where they have been tried.

No.	Size	Sweep	Length	Wt. each	Each
6014	⅞ in	8 in	19¼ in	1½ lbs	$0.95
6016	½ in	8 in	19¼ in	1½ lbs	.95
6018	⅜ in	8 in	19¼ in	1½ lbs	.95
6019	⅝ in	8 in	19¼ in	1½ lbs	.95
6020	⅝ in	8 in	19¼ in	1¾ lbs	.95
6022	¾ in	8 in	19½ in	1¾ lbs	.95
6024	¾ in	8 in	19½ in	1¾ lbs	.96
6025	⅞ in	8 in	19¼ in	2 lbs	.96
6026	⅛ in	8 in	19¼ in	2 lbs	.95
6028	⅞ in	8 in	19¼ in	2 lbs	.95

Five in a carton

BRACE SPEED

Short Shank (5-inch)—Socket size, ½-inch.

Used on: Crank case lower cover, differential drive gear, muffler, rear axle housing, steering tube flange

No.	Shank	Sweep	Length	Wt. each	Each
6064	5 in	8 in	13⅜ in	1¼ lbs	$0 95

Five in a carton

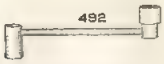
Long Shank (20-inch)—Socket size ⅜-inch

No.	Shank	Sweep	Length	Wt. each	Each
6218	20 in	8 in	28 in	2 lbs	$1.20

Five in a carton.

SOCKET WRENCHES

WALDEN-WORCESTER



Double End Offset Wrench. Socket sizes $\frac{11}{16}$" and $\frac{13}{16}$".

No.	Length	Wt. each	Each
492	10 in.	1 lb.	$1.10

Five in a carton.

Double End Offset Wrench. Socket sizes $\frac{5}{8}$" and $\frac{11}{16}$".

No.	Length	Wt. each	Each
493	8¼ in.	1¼ lbs.	$0.80

Five in a carton.

Offset Wrench. Socket size ½".

No.	Length	Wt. each	Each
494	5⅛ in.	⅜ lb.	$0.50

Five in a carton.

Offset Wrench. Socket size $\frac{7}{16}$".

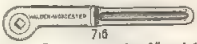
No.	Length	Wt. each	Each
499	5⅛ in.	½ lb.	$0.50

Five in a carton.

Double End Box Type Wrench. Socket sizes 1¼" and 1⅜".

No.	Length	Wt. each	Each
495	10 in.	1 lb.	$0.90

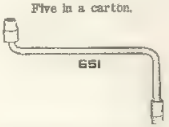
Five in a carton.



Ratchet Wrenches—½" square opening 9" and 12" lengths. The special type of pawl reduces tension in backing up wrench also always gives positive smooth action. The ratchet action is reversed by turning over the wrench eliminating complicated reversing mechanism.

No.	Length	Wt. each	Each
516	9 in.	1½ lbs.	$2.75
716	12 in.	2 lbs.	3 30

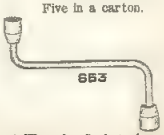
Five in a carton.



Double End Offset Wrench. Socket sizes $\frac{7}{16}$" and $\frac{1}{2}$".

No.	Length	Wt. each	Each
651	10 in.	¾ lbs.	$0.80

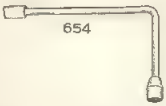
Five in a carton.



Double End Offset Wrench. Socket sizes ⅞" and ¾".

No.	Length	Wt. each	Each
653	11 in.	1¼ lbs.	$0.85

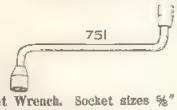
Five in a carton.



L Type Wrench 10" x 6". Socket sizes ½" and $\frac{13}{16}$".

No.	Wt. each	Each
654	1 lb.	$0 80

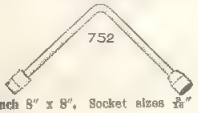
Five in a carton.



Double End Offset Wrench. Socket sizes ⅝" and $\frac{11}{16}$".

No.	Length	Wt. each	Each
751	11¾ in.	1 lb.	.$0.80

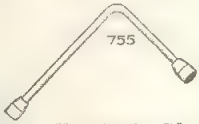
Five in a carton.



L Type Wrench 8" x 8". Socket sizes $\frac{13}{16}$" and $\frac{15}{16}$".

No.	Wt. each	Each
752	1 lb.	$0.80

Five in a carton.



L Type Wrench 10" x 7". Socket sizes ⅝" and ¾".

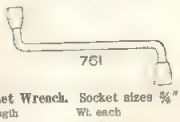
No.	Wt. each	Each
755	1¼ lb	.$0 80

Five in a carton.

L Type Wrench 4" x 4". Socket sizes ½" and $\frac{7}{16}$".

No.	Wt. each	Each
756	½ lb.	$0.70

Five in a carton



Double End Offset Wrench. Socket sizes ⅝" and ⅝".

No.	Length	Wt. each	Each
761	10½ in.	1 lb.	$0.80

Five in a carton.

Double End Offset Wrench. Socket sizes 1-$\frac{1}{16}$" and 1".

No	Length	Wt. each	Each
762	10¾ in	1½ lbs.	.$1 35

Five in a carton

SOCKET WRENCHES

WALDEN-WORCESTER

NO. 40 DISPLAY AND STOCK SETS

A display and stock board, a silent salesman. The eight numbers shown are the eight best selling socket wrenches on the market. All tools which are necessary for general garage service, particularly on Ford cars. All owners doing their own repair work need these tools. A small outlay by the dealer an assured quick turnover. The hooks, board and wrenches all packed in one box quickly set up for business and requires only space three feet nine inches by one foot.

Board size, 3 ft. 9 in. x 1 ft.

5	1420	$1.10	$ 5.50
3	1620	.75	3.75
5	2418	.90	4.50
5	2718	.65	3 25
5	3620	80	4.00
5	5660	1.30	6.50
5	5810	.60	3.00
5	7018	1.00	5.00
40 wrenches			$35.50

Set No. Wt. per set Per set

40 .....70 lbs $35.50

One set in a wooden box, with display board.

NO. 80 DISPLAY AND STOCK SETS

These free Display Boards have wooden backs, the front is of sheet metal handsomely lithographed in black and golden rod, the hooks are held by nut and check nut and there is no possibility of the board warping out of shape. An ornament to any store and a valuable sales producer.

5	VG2	$0.95	$ 4 75
5	VG3	.55	2.75
5	1018	2.50	12 50
5	1020	2.50	12.50
5	1620	.75	3.75
5	1831	1.20.	6.00
5	2418	90	4 50
5	2718	.65	3.25
5	2720	.65.	3.25
5	3822	.70	3.50
5	4564.	1 00	5.00
5	5660.	1.30	6.50
5	5810	.60	3.00
5	6018	.95	4.75
5	6020.	.95	4.75
5	6064.	.85	4.25
80 Wrenches with display board		Total	$35.00

Size of Board, 6 ft. x 2 ft.

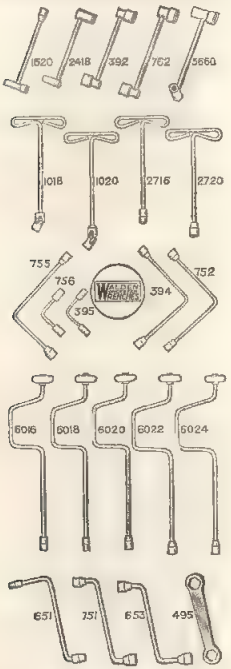
Set No. Wt. per set Per set

80 ..... 103 lbs $35.00

One set in a wooden box, with display board.

SOCKET WRENCHES
WALDEN-WORCESTER

NO. 23 GARAGE SERVICE SETS

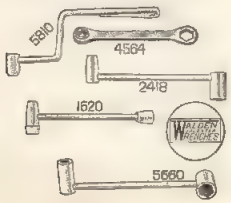


Consists of 23 wrenches, some with two or three socket sizes, which make possible 38 different combinations.

Set No.	Wt. per set	Per set
23	.35 lbs.	$23.00

One set in a wooden box

NO. 57 FORD CAR SETS



Set No.	No. wrenches	Wt. per set	Per set
57	5	5½ lbs	$4.55

One set in a cardboard box

NO. 20 DISPLAY AND STOCK SETS

A new silent salesman carrying five each of four sizes of an entirely new design of Brace Socket Wrenches.

The boards are all metal, handsomely lithographed and will hang on the wall or post—they take up little space, 5 ft. 9 inches x 1 ft.

5	1520	$1.10	$ 5.50
5	1522	1.10	5.50
5	1524	1.10	5.50
5	1528	1.10	5.50
40 wrenches			$22.00

Complete, with display board.

Asst. No.	Wt. per set	Per set
20	.65 lbs.	$22.00

One set in a wooden box.

NO. 100 STEEL OPEN END WRENCH SETS

Thin stamped wrenches are most useful in many places. Special steel used to give strength and wearing qualities. Sizes are 1" x ⅞, ¾ x ⅝, ½ x ⅜.

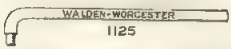
Set No.	No. wrenches	Wt. per set	Per set
100	5	1½ lbs.	$1.50

One set in a cardboard box.

(Sold in sets only)

SOCKET WRENCHES
WALDEN-WORCESTER

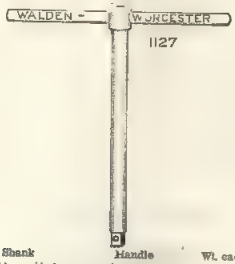
OFFSET HANDLE



No.	Length	Wire	Wt. each	Each
1125	12 in	½ in.	1¼ lbs.	$0.80

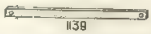
Five in a carton.

TEE HANDLE



No.	Shank	Handle	Wt. each	Each
1127	10½ x ½ in.	12 x ⅛ in.	1¾ lbs.	$1.40

Five in a carton.

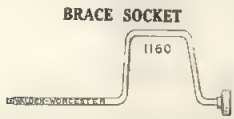


Extension Bars, also Shanks, for Combination Tee and offset handle No. 1105. Bars have ball friction on either end to retain sockets and other parts in engagement.

No.	Size	Wt. each	Each
1135	5 in.	⅛ lb.	$0.50
1139	9 in.	¾ lb.	.60

Five in a carton.

BRACE SOCKET



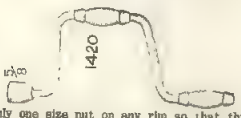
Long Shank. A considerably heavier speed wrench than our 6000 series. Extra sweep allows more leverage for use with large size sockets.

No. 1160—

Shank	Length	Wire	Sweep	Wt. each	Each
10½ in.	20 in.	⅝ in.	12 in.	2¼ lbs.	$1.65

Five in a carton.

BRACE RIM



There is only one size nut on any rim so that this solid handle tool fills all requirements (no loose socket to be misplaced).

No.	Size	Length	Wt. each	Each
1420	⅝ in.	13½ in.	1¼ lbs.	$1.10
1422	⅞ in.	13 in.	1¼ lbs.	1.10
1424	⅝ in.	13 in.	1¼ lbs.	1.10
1426	⅞ in.	13½ in.	1½ lbs.	1.10
1428	⅞ in.	13½ in.	1½ lbs.	1.10

Five in a carton.

TIRE AND RIM

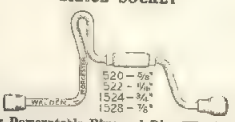
A new wrench for tire and rim service. A very substantial brace made of ⅝" wire 12" sweep. On shank of brace is a holder for five interchangeable sockets which are held by ball friction so that sockets may not drop off. Sockets include all standard sizes. Any socket may be replaced from regular stock (our Nos. 220, 222, 224, 226, 228). The longer shank on brace provides ample clearance for all standard tires and rims.

No. 1451 -Quintet.

Shank	Length	Wire	Sweep	Wt. each	Each
5 in.	13¾ in.	⅝ in.	12 in.	3¾ lbs.	$3.50

One wrench complete with five sockets in a carton.

BRACE SOCKET



For Demountable Rims and Disc Wheels

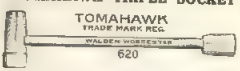
The loop on the handle is the grip for extra leverage in releasing and final tightening. The lesser throw on the brace gives more speed on account of lesser hand travel. It combines advantages of our offset and speed wrenches. The shank on this wrench is five inches long providing extra clearance for use on practically all disc wheels.

A desirable wrench for other uses than tires and wheels in garage service.

No.	Size	Sweep	Length	Wt. each	Each
1520	⅝ in.	7 in.	15 in.	2¼ lbs.	$1.10
1522	⅞ in.	7 in.	15 in.	2¼ lbs.	1.10
1524	¾ in.	7 in.	15 in.	2¼ lbs.	1.10
1528	⅞ in.	7 in.	15 in.	2¼ lbs.	1.10

Five in a carton.

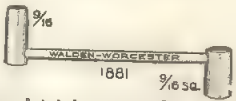
TOMAHAWK TRIPLE SOCKET



Socket sizes, ⅝ and ⅞-inch. This is the original Triple Socket Wrench, trademark "Tomahawk," having ⅛-inch rod connecting the two sockets. Used on: Axle housing, brake shoe support, crank case lower cover, cylinder head, dash bracket to dash, differential drive gear, drive shaft roller bearing, motor support (front), muffler, water cylinder inlet connection, and water cylinder outlet connection.

No.	Length	Wt. each	Each
1620	9½ in.	1 lb.	$0.75

Five in a carton



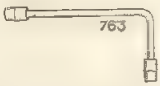
Socket sizes, ⅞-inch hexagon and ⅞-inch square. Used on: Crank shaft bolt, piston pin, locking screw, running board, running board to fender.

No.	Length	Wt. each	Each
1881	9 in.	1 lb.	$1.20

Five in a carton.

SOCKET WRENCHES

WALDEN-WORCESTER



L Type Wrench. 9½" x 4¼". Socket sizes ½" and $\frac{9}{16}$".

No.	Wt. each	Each
763	1 lb.	$0 80

Five in a carton.

L Type Wrench. 6¼" x 6¼". Socket sizes $\frac{7}{16}$" and ½".

No.	Wt. each	Each
852	¾ lb.	$0 80

Five in a carton

Universal Joint Tee Handle Wrenches. The tee handle socket wrench of rigid type has been a favorite of years' standing. The "Tee-Flex" series has the added advantage of operating in difficult and seemingly impossible places gained by the use of a universal joint built integral with the tool and toughened by the proper heat treatment

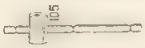
No	Size	Length	Wt. each	Each
1016	½ in.	12¾ in	1¼ lbs.	$2.50
1018	$\frac{11}{16}$ in.	12⅝ in	1¼ lbs.	2 50
1020	⅝ in.	13¼ in	1¼ lbs	2 50
1022	$\frac{13}{16}$ in.	13 in.	1½ lbs.	2.50
1024	¾ in.	13 in	1½ lbs.	2.50
1028	⅞ in.	13½ in	1⅝ lbs	2.50

Five in a carton.

Universal Joints are solid steel full machined finish used in combination with ratchet wrench extension bars and sockets working successfully at 45 degree angle.

No.	Wt. each	Each
1102	¾ lbs	$1.80

Five in a carton.



Combination Tee and Offset Handle. This number covers the handle only as illustrated. If complete tool is wanted, order No. 1104.

No.	Length	Wt. each	Each
1105	8 in.	½ lb.	$0.60

Five in a carton.

Combination Tee and Offset Handle Wrench with extension. The shank or extension bar (1135) is removable. The ball friction on both ends to couple combination parts or sockets.

No.	Length	Handle	Wt. each	Each
1104	6 in.	8 in.	1 lb.	$1.10

Five in a carton.

BRACE WRENCH

Brace Wrench. For use with various sockets and combination parts. Ends of brace are provided with ball friction to hold parts in engagement.

No.	Length	Sweep	Wt. each	Each
1107	9¾ in.	10 in.	1½ lbs.	$1.20

Five in a carton.

BRACE TOP

Brace Top a pressed steel handle, working on cone bearing and provided with socket end to fit brace wrench and various combination parts. Valuable auxiliary with extension bar ratchet wrench and socket on overhead work—millwrights particularly will appreciat this attachment and combination

No.	Wt. each	Each
1108	¼ lb	$0.60

Five in a carton.

PLUG CONNECTOR

Square bar connector, with ball friction on each end for coupling combination parts.

No.	Wt. each	Each
1109	1¾ oz.	$0.35

Five in a carton.

SOCKET CONNECTOR

Round socket with ½-inch square hole for coupling combination parts.

No.	Wt. each	Each
1110	¾ lb	$0.35

Five in a carton.

HEAVY DUTY WRENCHES

Popular types of wrench handles with interchangeable sockets are many times the desirable wrench equipment.

Recognizing this demand and also the necessity for heavier style of tools the following numbers are stock items.

These handles are usable with all interchangeable parts in our regular sets and sockets, our series Nos. 100 and 200.

BRACE SOCKET

No. 1114—

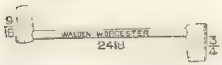
Shank	Length	Wire	Sweep	Wt. each	Each
2½ in	12 in.	⅝ in.	12 in	2 lbs.	$1.40

Five in a carton.

SOCKET WRENCHES

WALDEN WORCESTER

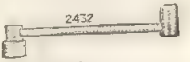
DOUBLE END OFFSET



Socket sizes, ⅞-inch and ¾-inch. Used on: Brake and reverse support, brake shoe support, clutch pedal support, crank case arm, crankshaft bearing nut, crankshaft rear bearing bolt, dash bracket to dash, differential case, fan bracket, front fender iron, front spring clip, inlet and exhaust clamp radiator support, spindle bolt nut, steering post bracket, steering yoke clamp, universal ball cap, On truck. Rear axle housing (front), rear axle housing (rear).

No.	Length	Wt. each	Each
2418	9 in.	1 lb.	$0.90

Five in a carton.



Socket sizes, 1-inch and ¾-inch.

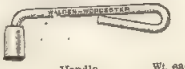
No.	Length	Wt. each	Each
2432	11¼ in.	1½ lbs	$1.15

Five in a carton.

TEE AND OFFSET HANDLE SOCKET

Wire handle construction and machine turned sockets make it possible to produce an equally well made and serviceable tool at much less cost than usual drop forged wrenches. Sockets are steel, machine turned from solid bar and broached accurately to size. Wire handles are proper size and class of material to guarantee service. Sockets are so fastened to the wire they will not turn or loosen.

OFFSET SOCKET



No.	Size	Handle	Wt. each	Each
2514	⅜ in.	7 in.	¾ lbs.	$0.55
2516	½ in.	7 in.	¾ lbs.	.55
2518	⅝ in.	7 in.	¾ lbs.	.55
2519	¾ in.	7 in.	¾ lbs.	.55
2520	⅝ in.	7 in.	¾ lbs.	.55
2522	⅞ in.	7 in.	¾ lbs.	.55
2524	¾ in.	7 in.	¾ lbs.	.55
2525	⅛ in.	7 in.	¾ lbs.	.55
2526	1⅛ in.	7 in.	¾ lbs.	.55
2528	⅞ in.	7 in.	¾ lbs.	.55

Five in a carton.

SHORT SHANK TEE HANDLE

No.	Size	Handle	Shank	Wt. each	Each
2614	7/16 in.	6 in.	6 in.	1 lb.	$0.60
2616	½ in.	6 in.	6 in.	1 lb.	.60
2618	9/16 in.	6 in.	6 in.	1 lb.	.60
2619	⅝ in.	6 in.	6 in.	1 lb.	.60
2620	11/16 in.	6 in.	6 in.	1 lb.	.60
2622	¾ in.	6 in.	6 in.	1 lb.	.60
2624	13/16 in.	6 in.	6 in.	1 lb.	.60
2625	⅞ in.	6 in.	6 in.	1 lb.	.60
2626	15/16 in.	6 in.	6 in.	1 lb.	.60
2628	1 in.	6 in.	6 in.	1 lb.	.60

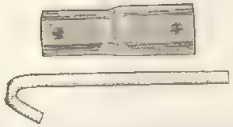
Five in a carton.

LONG SHANK TEE HANDLE

No.	Size	Handle	Shank	Wt. each	Each
2714	7/16 in.	6 in.	12 in.	1 lb.	$0.65
2716	½ in.	6 in.	12 in.	1 lb.	.65
2718	9/16 in.	6 in.	12 in.	1 lb.	.65
2719	⅝ in.	6 in.	12 in.	1 lb.	.65
2720	11/16 in.	6 in.	12 in.	1¼ lbs.	.65
2722	¾ in.	6 in.	12 in.	1¼ lbs.	.65
2724	13/16 in.	6 in.	12 in.	1¼ lbs.	.65
2725	⅞ in.	6 in.	12 in.	1¼ lbs.	.65
2726	15/16 in.	6 in.	12 in.	1¼ lbs.	.65
2728	1 in.	6 in.	12 in.	1¼ lbs.	.65

Five in a carton.

DOUBLE END SPARK PLUG

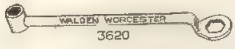


Pressed steel. Case hardened—two sizes in one. 1/64-inch over size of spark plug, which prevents stretching and gives better outside clearance where plugs set in port plugs or deep in block.

No.	Socket sizes	Lgth. of socket	Lgth. of handle	Wt. each	Each
2961	7/8-1⅛ in.	4½ in.	6¾ in.	¾ lb.	$0.45
2963	7/8-1 in.	4½ in.	6 in.	¾ lb.	.45
2967	7/8-1⅛ in.	4½ in.	6¾ lb.	¾ lb.	.45
3187	1⅛-1⅛ in.	4½ in.	6¾ in.	¾ lb.	.45

Five in a carton.

SPARK PLUG AND CYLINDER HEAD

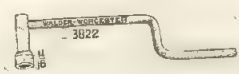


Socket sizes, 1⅛ and ⅝-inch. The 1⅛-inch hexagon type opening has been so designed as to fit down squarely on the spark plug which is not true, using usual claw or open end type.

The ⅝-inch socket has been shaped to make it possible to take all cylinder head cap screws, even the two under the dash on latest models. Used on: cylinder head, spark plug, water cylinder inlet, water cylinder outlet.

No.	Length	Weight each	Each
3620	11 in.	1 lb.	$0.80

Five in a carton.



Socket size 11/16-inch hexagon. Used on fly wheel cap screws, heretofore considered an impossible place for a socket wrench. An ugly place made accessible.

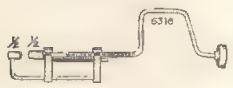
No.	Length	Length of shank	Wt. each	Each
3822	12 in.	2½ in.	¾ lb.	$0.70

Five in a carton.

SOCKET WRENCHES

WALDEN WORCESTER

NUT AND BOLT SPEED



A one-man tool. The extension socket holds either the nut or bolt head while the operator spins it off. Extension arm is adjustable for different bolt lengths

No.	Size	Lgth. ext.	Lgth. closed	Wt. each	Each
6316	½ in.	22¾ in	19 in	2½ lbs.	$3.00
6318	⅝ in.	22¾ in.	19 in.	2½ lbs.	3.00

Five in a carton

DOUBLE POWER SPEED

An entirely new design in speed wrenches. The lesser throw gives more speed (less hand travel). The loop on handle is the grip for extra leverage in releasing and final tightening.

No.	Size	Sweep	Length	Wt each	Each
7014	⅓ in	.6 in.	19¾ in.	2 lbs.	$1.00
7016	½ in	.6 in.	19¾ in.	2 lbs	1.00
7018	⅝ in	6 in.	19¾ in.	2 lbs.	1.00
7019	¾ in.	.6 in	19¾ in	2 lbs.	1.00
7020	⅝ in.	7 in.	19¾ in	2½ lbs.	1.00
7022	1 in.	7 in.	19¾ in.	2½ lbs.	1.00
7024	¾ in.	.7 in.	19¾ in.	2½ lbs.	1.00
7025	⅞ in.	7 in	19¾ in.	2½ lbs.	1.00
7026	1⅛ in.	7 in.	19¾ in.	2½ lbs.	1.00
7028	⅞ in.	7 in.	19¾ in.	2½ lbs	1.00

Five in a carton

WALDEN WORCESTER SOCKET WRENCH SERVICE AND OWNERS SELECTIONS

Suggested selections of stock tools which are especially adapted for use on the various makes of cars. The selections are grouped in two classes; the tools as listed being recommended for service station and garage mechanic's use, while the numbers prefixed by an asterisk represent the most useful tools for the car owner.

PASSENGER CARS

Buick	Cadillac	Chalmers	Chandler	Chevrolet	Cleveland	Cole	Dodge
St'k No.	St'k No.	St'k No.	St'k No.	St'k No.	St'k No.	St'k No	St'k No.
392	x394	x395	392	232	394	x395	394
†443	x395	494	394	x391	x396	443	395
†x444	x751	x761	x396	x392	491	x492	x444
495	x762	x762	x444	x393	495	x494	x651
x653	1022	1018	491	x394	x653	653	x653
†762	x5660	1022	494	x395	x751	752	x654
1018	6018	2522	495	494	762	763	762
1024	6020	2716	x653	1104	1016	1018	854
†2432	6022	2718	762	01516	1018	1024	1016
2716	6218	2720	1018	2418	1024	2619	1018
2718		2722	1024	2716	2418	2724	2418
†x5660		x5660	2418	2718	2724	6022	2716
6016		6016	2716	2720	x5660	6064	5660
6018		6018	x5660	2722	6016	6218	6014
6020		6022	6016	6016	6024		6016
6218		6024		6018			6018
				6024			6022
							6024
							6026
(4) (6)	(51-61)	(C-36)	(1920-1923)	(FB & 490)	(1920-1923)	(1921-1923)	(1921-1923)

Dort	Durant	Earl	Essex-Hudson	Ford and Fordson	Franklin (a)	Gardner	Haynes
St'k No.	St'k No.	St'k No.	St'k No	St'k No.	St'k No.	St'k No.	St'k No.
116	†x395	x395	392	VG-2	394	x396	395
122	751	752	x395	VG-3	x395	x756	444
232	x752	x761	491	494	494	762	495
x395	†x761	x1620	494	762	x653	1020	752
495	1018	2720	x653	1018	x755	x5660	x755
716	1020	x5660	x751	1020	756	6016	x762
752	1022	6018	755	x1620	1016	6018	1020
755	2724	6024	756	1881	01516	6024	1022
x761	†x5660		762	x2418	1620		1620
762	6016		1016	2718	2716		2418
1013	6018		1024	2720	2718		2718
1020	6024		1028	3620	6016		2728
1104	6025		2716	3822	6018		x5660
1139			2718	x4564	6019		6016
x2418			2722	x5660			6018
2716			2724	x5810			6024
2718			2725	6018			
x5660			x5660	6020			
6016			6016	6022			
6018			6018	6064			
6024			6024	6218			
			6025	6316			
			6026	6318			
			6028				
11-15 17-17A	6) A-22 6) B-22	(1922-1923)	1919-1923)		(1917-1922)	(1922)	55 & 75)

WALDEN-WORCESTER SOCKET WRENCH SERVICE

PASSENGER CARS

Hudson-Essex	Hupmobile	Jewett-Paige	Jordan	Liberty	Lincoln	Marmon
St'k No.	St'k No.	St'k No.	St'k No.	St'k No.	St'k No.	St'k No.
392	2725	x395	x394	x395	x395	x395
x395	x5660	x755	x395	494	x761	442
491	6016	762	494	495	762	x495
494	6018	1016	495	751	1020	495
x653	6024	1018	499	755	x1620	x755
751	6025	1020	653	x761	2418	756
x755	6026	x1620	752	762	2525	762
756	6028	5660	762	1020	2716	1018
762		6016	1020	1620	2718	1020
1016		6024	x1620	2718	x5660	1024	x1620
1024			2418	2728	6018	2716	2720
1028			x5660	x5660	6020	x5660	6016
2716			6016	6016		6018	6018
2718			6018	6018		6020	6020
2732			6020	6020		6022	6064
2724						6064	
(1922-23)		(R-1920-1923)	(18-22-1922)	(M1921-1923)	(1920-1922)	

Maxwell	Mitchell	Nash	Oakland	Overland	Oldsmobile Car		Packard & Truck
St'k No.	St'k No.	St'k No.	St'k No.	St'k No.	St'k No.	St'k No.	St'k No.
†395	x395	x395	495	x761	392	6016	x395
x491	495	494	762	x762	‡x395	6018	494
†x492	x653	751	1018	x763	493	6020	495
x493	761	x761	1020	1018	494	6022	499
x494	762	762	x1620	1020	†653	6024	x653
x495	1020	1016	x2418	1620	756	6028	751
†762	x1620	1018	x5660	2718	†x761	6064	752
†x1620	2724	1020	6016	x5660	††x762		755
2716	x5660	1024	6018	6016	1016		756
2718	6016	1620	6022	6018	1020		761
2720	6020	x5660		6020	‡1620		x762
5660	6064	6016		6064	‡†2418		1018
6016		6024			2716		1024
6018					2718		x1620
6020					2720		x2418
					††x5660		2716
							2720
							5660
							6016

Paige & Jewett	Peerless	Pierce-Arrow Cars & Trucks	Reo Car and Trucks	Rickenbacker	Star	Studebaker	Willys-Knight	Winton
St'k No.	St'k No.	St'k No.	St'k No.	St'k No.	St'k No.	St'k No.	St'k No.	St'k No.
x394	†x395	x395	112	x394	392	394	x751	x395
x395	494	491	120	x395	494	†x395	x752	x444
494	†495	x494	x395	x444	752	491	755	x653
495	x653	495	495	499	756	495	x756	x762
499	755	651	553	762	762	x752	x761	1018
653	762	x653	751	2418	1016	x761	762	1024
752	1018	756	762	6016	1018	762	1620	x5660
762	1020	761	1104	6018	1020	x552	2718	6016
1020	1024	x762	2418	6020	x1620	1024	x5660	6018
x1620	†x1620	1018	x2432		x2418	1620	6016	6022
2418	x2432	1020	2519		6020	†2418	6018	
x5660	2525	1028	2716			2716		
6016	†2619	x1620	x5660			2724		
6018	2718	2418	6016			†x5660		
6020	2720	2716	6022			6016		
	†5660	2718	6024			6018		
	6016	2720				6022		
	6018	x5660				6024		
	6019	6016						
	6020							

TRUCKS

Autocar	Commerce	Federal	Fordson	G. M. C.	International
St'k No.	St'k No.	St'k No.	St'k No.	St'k No.	St'k No.
122	762	394	350	392	395
128	1018	395	351	394	493
226	1024	494	852	395	495
228	1109	756	853	495	653
231	1620	761	854	653	762
232	2418	1018	855A	751	1016
240	2716	1024	855B	756	1018
392	2718	1620	856	762	1020
394	6016	5660	01516	1018	1024
395	6018	6016		1024	1620
492	6024	6018		1620	2418
716	6028	6020		2418	2716
751		6024		2720	2718
				5660	5660
				6016	6016
				6018	6018
					6019
				6022	6022
				6028	6024
					6064

Mack	Oldsmobile Truck	Republic	Selden	Stewart	Vim	White
St'k No.	St'k No.	St'k No.	St'k No.	St'k No.	St'k No.	St'k No.
395	392	392	394	392	395	395
495	395	394	395	395	494	495
755	493	395	491	494	755	756
756	494	494	494	495	756	762
762	653	495	495	651	762	1028
1016	756	653	756	752	1024	1620
1018	761	762	762	755	2418	5660
1020	762	1028	1024	761	5660	6016
1024	1016	1620	1028	762	6016	6018
1028	1020	2418	1620	1020	6018	6020
1620	1620	5660	2418	1024	6020	6028
5660	2418	6016	5660	1028	6024	6218
6018	2716	6018	6016	1620		
6020	2718		6018	2418		
6024	2720		6020	2525		
	5660		6024	5660		
	6016			6016		
	6018			6018		
	6020			6020		
	6022			6022		
	6024			6024		
	6028			6026		

TINNERS SNIPS

★DIAMOND EDGE

Blades Made of 100 Point Carbon Steel, Carefully Tempered and Welded to the Inside of the Blade; Handles Made of 25 Point Carbon Steel Oxidized Non-Rusting; Handles will not Bend in Use; Work Easy and Open Full Width of Cut without Straining the Hand.

STRAIGHT

Nos.	DE32	DE31	DE10	DE9	DE8	DE7
Cut, inches	2	2⅛	2½	3	3½	4
Length, inches	8½	10	11¼	12½	13	14¼
Weight per Pair, lbs.	1⅛	1¼	1⅜	2¼	2¾	3½
Per Pair	$1 70	2 00	2.60	2 90	3 40	4.30

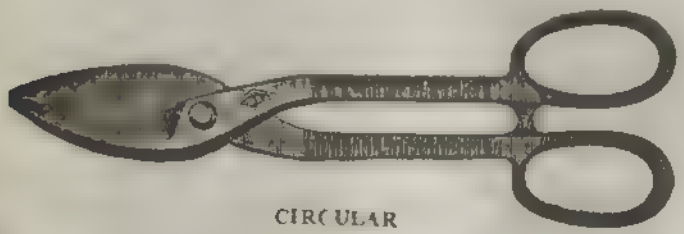
One Pair in an Envelope; Two Pair in a Wood Box

BUFFALO PATTERN

Blades Shaped for Straight or Circular Work

Nos.	DE20	DE19	DE18	DE17
Cut, inches	2½	3	3½	4
Length, inches	11¼	12¼	13	14½
Weight per Pair, lbs.	1¾	2¼	2¾	3⅛
Per Pair	$3 40	3.80	4 20	5 00

One Pair in an Envelope; Two Pair in a Wood Box



CIRCULAR

Nos.	DE119	DE118	DE117
Cut, inches	3	3½	4
Length, inches	12¼	13	14¼
Weight per Pair, lbs.	2¼	2¾	3⅛
Per Pair	$4 60	5.00	5.80

One Pair in an Envelope; Two Pair in a Wood Box

★BRIDGE

STRAIGHT

All Steel; Tempered Blades; Black Japanned Handles

Per Pair

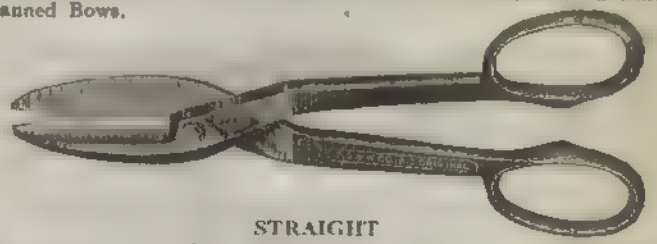
No. B8½—3¼ inch Cut; Length 13 inches; Weight per Pair 1¾ lbs. $2.20

One Pair in an Envelope; Two Pair in a Box

TINNERS SNIPS

PECK STOW & WILCOX

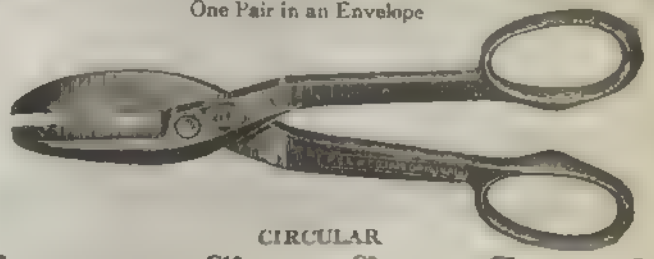
Forged from Best Quality Norway Iron, Steel Laid, Polished Blade, Japanned Bows.



STRAIGHT

Nos.	10	9	8	7	6
Cut, Inches	2½	3	3½	4	4¼
Length, Inches	11	12	13½	14¼	15⅝
Weight per Pair, lbs.	1	1½	2	2¼	3¼
Per Pair	$3 55	3 90	4 45	5 55	6.70

One Pair in an Envelope

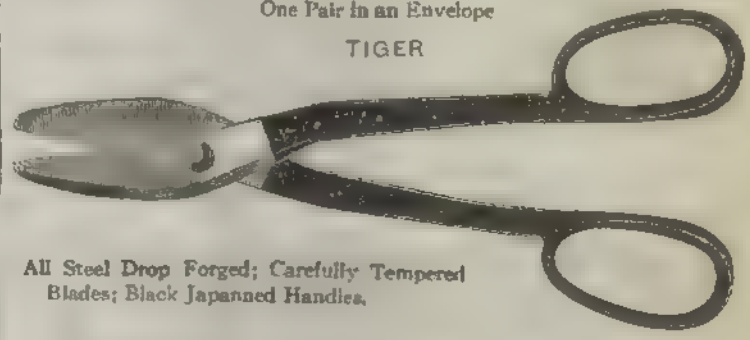


CIRCULAR

Nos.	C10	C9	C8	C7
Cut, Inches	2½	3	3½	4
Length, Inches	11	12	13½	14¼
Weight per Pair, lbs.	1	1¼	2	2¼
Per Pair	$5 55	6 10	6.70	7.80

One Pair in an Envelope

TIGER



All Steel Drop Forged; Carefully Tempered Blades; Black Japanned Handles.

Per Pair

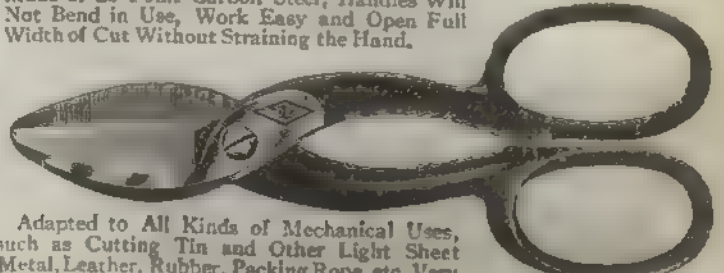
No. T12—3¼ inch Cut; Length 12 inches; Weight per Pair 1¼ lbs. $2.20

One Pair in an Envelope

SPECIAL SNIPS

★DIAMOND EDGE

Blades Made of 100 Point Carbon Steel Carefully Tempered; Handle Made of 25 Point Carbon Steel; Handles Will Not Bend in Use, Work Easy and Open Full Width of Cut Without Straining the Hand.



Adapted to All Kinds of Mechanical Uses, such as Cutting Tin and Other Light Sheet Metal, Leather, Rubber, Packing Rope, etc. Very Useful to Mechanics and Automobilists. Convenient for Pocket or Tool Kit

Per Pair

No. DE35—Polished Blades; Japanned Handles; Length of Cut 2 inches, Length Over All 7 inches; Weight per Doz. 6 lbs. $2.00

Half Dozen in a Box

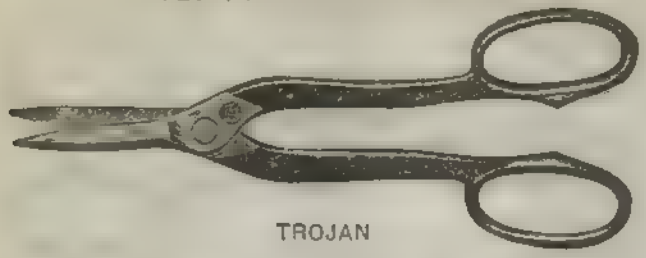
THE "HAND" OF SNIPS

There is Considerable Confusion Regarding the Meaning of Right and Left Hand Snips. Left Hand Means that the Work is at the Left of the Snips Cutting and the Scraps at the Right; We Show Only Snips with Left Hand Cut, as they are Invariably Used by Right Hand Men, and are Always Sent Right Hand Snips are Specially Ordered.

Standard Bench Snips, However, are always Furnished Right Hand Cut, that is the Lower Blade is on the Right Side of the Shears.

TINNERS SNIPS

PECK, STOW AND WILCOX



TROJAN

For Curves and Irregular Shapes. Will Cut Sheet Metal, Pasteboard, Mica, Linoleum, Veneering, etc. Just the Thing for Scroll and Cornice Work

Per Pair

No. 79—3 inch Cut; Length Over All 12¾ inches; Forged Steel Japanned Handles; Weight per Pair 1¾ lbs.... ....$5.70

One Pair in a Box

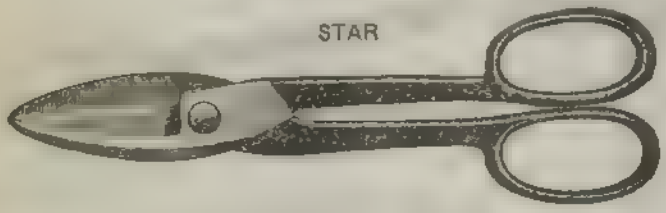
*ALLCUT

A Convenient Snip for Tool Kits. Fitted Exactly Like a Regular Shear. Will Cut Paper, Poultry Netting Tin, Sheet Metals and Heavy Fabrics Equally Well. Adapted to Use of Tinners, Plumbers, Electricians and Home Mechanics.

Per Dozen Pair

No. 222—2¾ inch Cut. Length Over All 10¼ inches; Steel Laid Blades, Highly Finished; Malleable Iron Handles; Black Japanned; Weight per Pair 1 lb... .....$25 00

One Pair in a Box



STAR

Cast Iron, Ground Blades; Japanned Handles

Per Dozen Pair

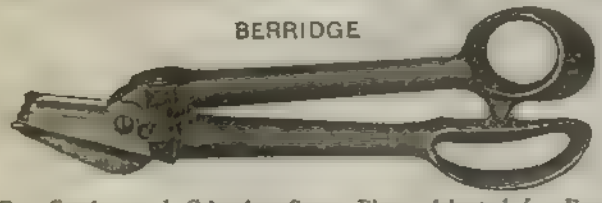
No. 2—2½ inch Cut; Length Over All 10 inches; Weight per Dozen Pair 13 lbs.....$11.50

No. 3—3 inch Cut; Length Over All 12 inches; Weight per Dozen Pair 17 lbs..... 13.50

Half Dozen Pair in a Box

STOVE PIPE SNIPS

BERRIDGE



For Cutting and Crimping Stove Pipe; Adapted for Round or Circular Work.

Each

No. 2B—2 inch Cast Steel Blade, Japanned Iron Handles; Length Over All 13 inches; Weight Each 2¼ lbs. $6 20

Loose

TINNERS TOOLS

*DIAMOND EDGE

NIPPERS

Reversible

A Powerful Tool for Cutting Nails, Wire, Music Wire, etc. Will Stand Hard Usage; Tool Steel Jaws are Dovetailed into Head and are Reversible; Dead Black Forge Finish Handles and Head; Polished Steel Cutter.

Nos.	DE6	DE8	DE10	DE12	DE14
Length, inches	6	8	10	12	14
Weight per Dozen, lbs.	9	12	24	30	47
Each	$2.70	3.30	3.80	4.00	4.70

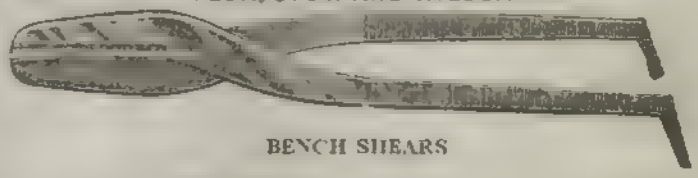
Two in a Box

EXTRA CUTTERS

Nos.	DEX6	DEX8	DEX10	DEX12	DEX14
For Nippers No..	DE6	DE8	DE10	DE12	DE14
Weight per Pair, ounces	2	2½	3	4	5
Per Pair	$0 90	1 10	1.40	1.50	2.00

Loose

PECK, STOW AND WILCOX



BENCH SHEARS

Always Furnished Right Hand Cut, that is, the Lower Blade on is on the Right Side of Shears.

Nos.	6	5	4
Length Cut, inches	6	7	8
Entire Length, inches	25	27	30
Will Cut Iron, Gauge Nos.	22	21	20
Weight per Pair, lbs.	8	9	12
Per Pair	$15.75	18 80	19 85

Nos.	2	1	0	00
Length Cut, inches	8¾	9	10½	12
Entire Length, inches	34	37	41	44
Will Cut Iron, Gauge Nos.	22	20	18	16
Weight per Pair, lbs.	18	23	28	36
Per Pair	$24.35	26.90	38.55	42.15

Loose

ELBOW BENCH SHEARS

Per Pair

✣ No. 31—4 inch Cut; will Cut No. 18 Iron; Weight per Pair 25 lbs. $17.95

✣ No. 32—Extra Heavy; 6 inch Cut; will Cut No. 14 Iron; Weight per Pair 25 lbs..... 33 70

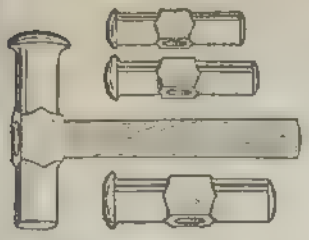
✣ No. 33—Double Extra Heavy; 7½ inch Cut; will Cut No. 12 Iron; Weight per Pair 47 lbs..... 47 35

Loose

TINNERS SHEARS WILL NOT CUT CUSTARD PIE, BUT THEY ARE MIGHTY USEFUL AND HANDY WHEN IT COMES TO CUTTING STRIP STEEL AND THE LIKE.

Items Marked ✣ Not Carried in Stock; Can Only Be Furnished by Shipping Direct From Factory.

TINNERS TOOLS
PECK, STOW & WILCOX



RAISING HAMMERS
With Hickory Handle

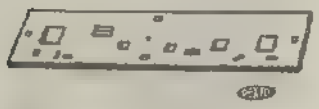
For All Kinds of Raised Work; Cast Steel, Japanned; Polished Faces.

Nos.	4	3	2	1
Weight Each, lbs.	1¾	2¼	3¾	5
Size Head, inches	6⅞x1½	6¾x1¾	7¾x2⅛	7¾x2⅜
Each	$5.00	6 50	8 00	12 70

Per Dozen

✣**Extra Handles** for Raising Hammers; Hickory, Plain Finish ... $7 10

Loose



BENCH PLATES

Cast Iron, Polished; with Socket Holes to Receive All Stakes, Swedges, Formers, Etc.

Nos.	982	981	980
Size, inches	30x8	37x8	48x12
Weight Each, lbs.	37	50	91
Each	$15 40	22 00	33 00

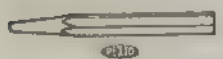
Loose

SCRATCH AWLS

Per Dozen

No. 01—Solid Steel, with Ring; Twisted Shank; Length 8½ inches; Weight per Dozen 1 lb ... $5 50

One Dozen in a Box

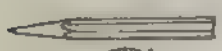


SOLID PUNCHES

Cut Shows Full Size of Holes

	0	1	2	3	4	5	6	7	8
Nos.	0	1	2	3					
Size in 32nds	9	8	7	6					
Wt. per Doz., lbs.	2	1⅝	1¼	1¼					
Per Dozen	$4.80	3.00	3.00	3.30					
Nos.			5	6	7	8			
Size in 32nds			4	3	2	1			
Weight per Dozen, lbs.			1⅛	1⅛	1	¾			
Per Dozen			$3.30	3.30	3.30	3.30			

One Dozen in a Box



PRICK PUNCHES

Per Dozen

No. PSP—Cast Steel, Japanned; Square Shank; Length 5 inches; Weight per Dozen 1½ lbs ... $3.30

One Dozen in a Box

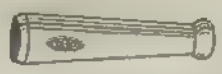
HOLLOW PUNCHES
Forged Steel

Japanned Polished Edges; Average Length 5½ inches

Size, inch	¼	5/16	⅜	½	⅝	¾
Weight Each, lbs.	⅛	¼	¼	⅜	½	⅝
Each	$1.50	1.50	1 50	1.50	1 90	2 30
Size, inches	⅞	1	1⅛	1¼	1⅜	1½
Weight Each, lbs.	¾	⅞	1	1¼	1½	1¾
Each	$2.60	3.00	3.40	3.80	4.10	4 50

Loose

TINNERS TOOLS
PECK, STOW & WILCOX

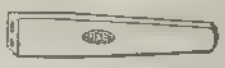


HOLLOW PUNCHES
Wrought Shank

Japanned; Polished Edges; Average Length, 5½ inches

Size, Inches	1¾	2
Weight Each, lbs	2	2¼
Each	$5.30	6 00

Loose



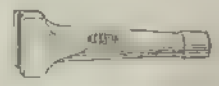
RIVET SETS AND HEADERS

Forged Steel; Gun Metal Finish; Perfectly Tempered

Cut Shows Full Size of Holes

	00	0	1	2	3	4	5	6	7	8
Nos.		00	0	1	2	3	4	5	6	7
For Iron Rivets, lbs.		14	10&12	8	6	4&5	3	2	1	½
For Copper Rivets, Nos.			5	6	7	8	9	10	11	12
Weight Each, ozs.		14	12	9	8	7	6	5	4	3
Each		$1 40	1 40	1 10	1 10	.90	.90	.90	.60	.60
Nos.	8	9	10	11	12	13	14	15	16	
For Iron Rivets, lbs.	2½&3	1½&2	1½	1¼	1&1	¾	½	⅜	¼	
For Copper Rivets, Nos.	9	10	12	13	14	15	16	17	18	
Weight Each, ozs.	6	5	4	4	3	2	2	1	1	
Each	$0.90	.90	90	.60	.60	.60	.60	.60	.60	

Half Dozen in a Box



HAND GROOVERS

Forged Steel; Natural Finish; Round Shank

Nos.	00	0	1	2	3
Groove, inches	7/16	⅜	5/16	11/32	9/32
Weight Each, lbs.	1⅝	1½	1¼	1⅛	1
Each	$1 85	1 85	1 70	1 70	1.60
Nos.	4	5	6	7	8
Groove, inches	¼	3/16	5/32	⅛	1/16
Weight Each, lbs.	⅛	¾	⅝	½	⅜
Each	$1 60	1 60	1 60	1.60	1.60

Loose

SQUARE HEAD STAKES
Wrought Iron with Steel Faces

Adapted for all Square Work

Each

No. 936—Common Square; Size of Face 4½x2⅝ inches; Weight Each 11 lbs ... $13 65

✣**No. 939**—Small Square; Size of Face 2⅜x1½ inches; Weight Each 3 lbs ... 10 50

✣**No. 938**—Large Square; Size of Face 5½x3 inches, Weight Each 14 lbs ... 18 90

Loose

ROUND HEAD STAKES

Used for Light Work, Riveting Handles on Covers, etc.

Each

No. 985—Diameter of Head 3½ inches; Length Over All 12½ inches; Weight Each 9½ lbs ... $4.70

Loose

Items Marked ✣ Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory

TINNERS TOOLS

PECK, STOW & WILCOX

HATCHET STAKES

For Forming Seams on the Edges of a Sheet; Generally Used where Folder is inconvenient.

Nos.			
Blade Inches	16	13	11
Weight Each, lbs	14	8½	6
Each	$18 90	16.80	14.70

Loose

CREASING STAKES

With Horn

The Horn is Used for Forming Tubes, Cylinders, etc.

Each

No. 927—Length of Horn 8½ inches, of Flat End 6½ inches; Weight Each 11 lbs. $27.30

Loose

NEEDLE CASE STAKES

With One Round and One Square Arm. For Forming Lightest and Smallest Tubes, Rings, etc.

Each

No. 957—Length of Horn 10½ inches, of Flat End 8 inches; Weight Each 4 lbs. $13 65

Loose

CANDLE MOULD STAKES

With Both Arms Round and Tapering

For Forming Small Cylinders, Tubes, Rings, etc.

Each

No. 956—Length of Small End 18 inches, of Horn 8½ inches; Weight Each 6½ lbs. $16 80

Loose

Wrought Iron with Steel Faces

DOUBLE SEAMING STAKES

With Both Arms Round; Flat Face; Beveled Ends.

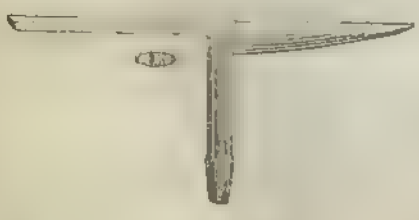
For Small Vessels; Cans, etc.

Each

No. 921—Length of Large End 17 inches, Small End 13 inches; Weight Each 34 lbs. $44 10

No. 922—Length of Each End 11 inches; Weight Each 20 lbs. .. 35 40

Loose



BEAKHORN STAKES

One Flat Arm and One Round Tapering Arm.

For Round, Square or Beveled Work.

Nos.	901	†904
Square Arm, in.	21½	19
Round Arm, in.	16½	14
Wt., Each lbs.	47	27
Each	$50.40	44 10

Loose

TINNERS TOOLS

PECK, STOW & WILCOX

Wrought Iron with Steel Faces

CONDUCTOR STAKES

For Locking Seams on Conductor Pipe; with Both Arms Round.

Each

No. 971—Length of Large End 15 inches, of Small End 11½ inches; Weight Each 35 lbs. $18 90

Loose

BLOWHORN STAKES

With One Long Tapering Arm and One Oval Faced Tapering Arm.

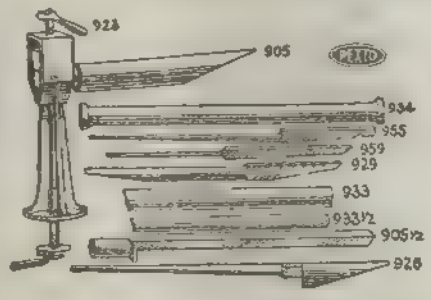
The Long Tapering Arm for Forming Tubes, Cylinders and Similar Articles; the Short Arm for Forming Coves, etc.

Each

No. 926—Length of Small End 17½ inches, of Large End 9 inches; Weight Each 19 lbs. $27 30

Loose

UNIVERSAL STAKE HOLDERS AND STAKES



Stakes Can be Used in any Desired Position, Without Marring the Bench

Per Set

†No. 904—Complete Set as Listed Below, with Stake Holder; Weight per Set 85 lbs. $132 30

One Set in a Wood Box

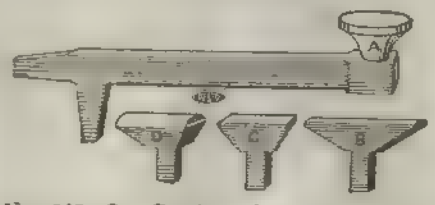
Stakes for Above Sets

	Each
†No. 923—Stake Holder; Weight 21 lbs.	$11.35
†No. 905—†No. 905½—Beakhorn; Weight 47 lbs. (2 pieces)	41.60
†No. 926—Blowhorn; Weight 10 lbs.	18 20
†No. 929—Creasing; Weight 8 lbs.	11 40
†No. 934—Double Seaming; Weight 10 lbs.	18 90
†No. 933—†No. 933½—Conductor; Weight 16 lbs. (2 pieces)	15.10
†No. 956—Candle Mould; Weight 4½ lbs.	11.80
†No. 959—Needle Case; Weight 4 lbs.	9.50

Extra Parts	Each
†No. 933—Large End for Conductor; Weight 31 lbs.	$8.40
†No. 933½—Small End for Conductor; Weight 16 lbs.	8 40
†No. 905½—Flat End for Beakhorn; Weight 16 lbs.	22 90
†No. 905—Round End for Beakhorn; Weight 10 lbs.	22.90
†Screw and Bolt for Stakeholder; Weight 9 ozs.	1.50
†Nut for Stakeholder; Weight 10 ozs.	.90

Loose

STAKE HOLDERS AND STAKES



Double Seaming

With Four Different Shaped Heads

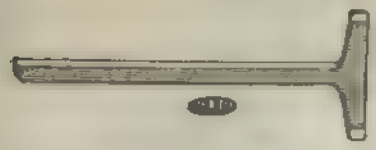
Per Set

No. 949—Set Consists of a 22x4 inch Square Arm, One 6 inch Round Head with Flat Face, One 5¾x1 inch Oblong Head with Round Face, One 5x4¾ inch Square Head with Flat Face, and One 9½x3 inch Oblong Head with Oval Face, Weight per Set 85 lbs. $37 80

One Set in a Wood Box

Items Marked † Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory

TINNERS TOOLS
PECK, STOW & WILCOX



MANDREL STAKES

With Oval Face on One Side, Flat Face on Reverse Side. Lengths Given Do Not Include Head.

Nos.	†960	960½	961	†962
Length, inches	60	40	34	27
Weight Each, lbs.	175	57	44	37
Each	$40 00	25 20	21 00	18 80

Loose

HOLLOW MANDRELS

Secured to Bench in Such a Manner that it Can be Swung to any Desired Position and Fastened.

No.	910
Length, inches	11
Oval Part, inches	2
Flat Part, inches	6
Weight Each, lbs.	5
Each	$18.00

Loose

ADAMS
STOVE PIPE MANDRELS

With Heavy Band Clamp for Attaching to Bench. This Mandrel will be Found Very Handy, Especially in Small Shops.

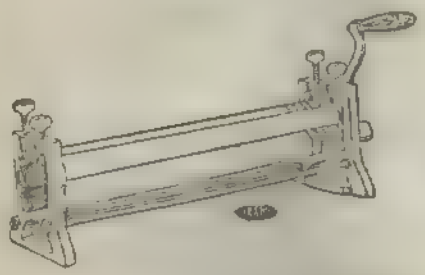
Each

No. A—Cast Iron Polished Face; Length Over All 36 inches; Width 4½ inches; Weight Each 40 lbs. **$12 00**

No. A2—Unpolished, Otherwise Same as Above; Weight Each 40 lbs. **10.00**

One in a Wood Box

PECK, STOW & WILCOX
STOVE AND TIN PIPE FORMING MACHINES
STOW'S PATTERN



Turned Steel Rolls; Smooth and Free From Imperfections; Cast Iron Frame, Japanned.

For Stove Pipe

No.	367
Diameter Rolls, inches	2
Length Rolls, inches	30
Weight Each, lbs	150
Each	$50 40

For Tin Pipe

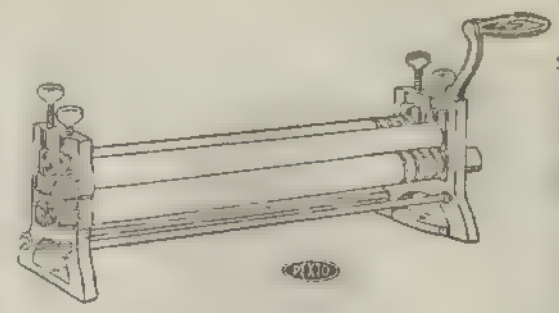
Nos.	†359	†361
Diameter Rolls, inches	1½	1
Length Rolls, inches	20	12
Weight Each, lbs	54	24
Each	$14 00	37 80

For Cans

Nos.	†355	†356
Diameter Rolls, inches	2	2
Length Rolls, inches	37	40
Weight Each, lbs	150	100
Each	$58 80	67 20

One in a Wood Box

TINNERS TOOLS
PECK, STOW & WILCOX
STOVE AND TIN PIPE FORMING MACHINES
STOW'S PATENT



With Compensating Gears. Gears Run Smoothly, Regardless of Thickness of Metal, Without Danger of Slipping or Breaking. Corners can be Formed from DXXX Tin as Small as 2½ inches and from X Tin as Small as 2¼ inches Diameter

For Stove Pipe

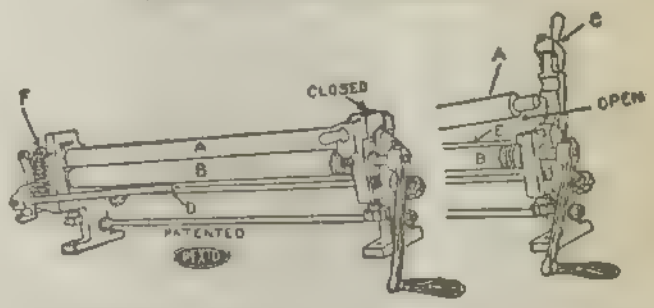
Nos.	373	†372
Diameter Rolls, inches	2	2
Length Rolls, inches	60	37
Weight Each, lbs	175	117
Each	$60 00	39 30

For Tin Pipe

No.	†380
Diameter Rolls, inches	1½
Length Rolls, inches	37
Weight Each, lbs.	53
Each	$54 00

One in a Wood Box

PATENT SLIP ROLL FORMERS



New Original Pexto Features are Embodied in These Forming Machine Patterns that Place Them in a Class by Themselves. They are Greatly Improved Over Our Old Slip Roll Pattern Forming Machines and Those Which the Present Market Offers. A Careful Study of the Illustration Shows the Time and Steps Saved Through Being Able to Perform All Operations at One End of the Machine, the Convenient End Where the Crank is Fitted. Without Necessitating the Changing of Positions the Sheet to be Formed is Placed Between the Gripping Rolls (A) and (B). The Cylinder Formed, Open Latch (C), Then by Means of Lever (D) raise Upper Gripping Roll (A) and Slip the Formed Cylinder From the Roll (A). It will be Readily Seen that all Operations are Performed at the Crank End of the Machine—a Pexto innovation that Can be Well Appreciated by the Mechanic Who Has Operated the Old Pattern Slip Roll Former. Rolls (A) and (E) are Adjusted with Knurled Screws, and Once Adjusted They Cannot Slip. The Gears (F) are Steel, Machine Cut, Running More Smoothly Than Cast Iron Gears Without Danger of Slipping or Breaking with Whatever Thickness of Metal is Used.

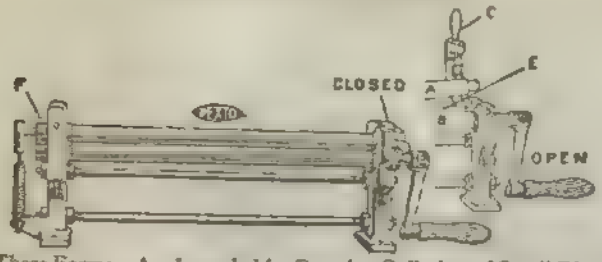
The Roll Raising Mechanism in These Machines is so Balanced that the Roll (A) is Easily Lifted with a Slight Pressure on the Lever (D). The Latch (C) is Released and Closed with one Movement, and is Self-Locking.

Nos.	382A	381A	0381A	396A	400A
Diameter Rolls, inches	2	2	2	2½	2½
Length Rolls, inches	31	37	43	37	31
Gripping Rolls, Open, inches	½	½	½	½	½
Weight Each, lbs.	165	180	200	350	300
Each	$75.00	82.00	90.30	198.00	182 00

Items Marked † Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory

TINNERS TOOLS

PECK, STOW & WILCOX
PATENT SLIP ROLL FORMERS

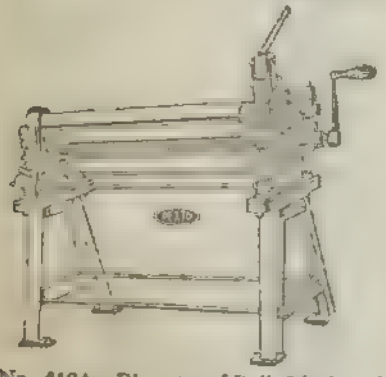


These Formers Are Intended for Forming Cylinders of Small Diameters and are an Improvement Over Our Old Slip Roll Tin Pipe Forming Machines and Those Which the Present Market Offers. All Operations are Performed at One End of the Machine—the Convenient End, Where the Crank is Fitted.

After the Cylinder is Formed the Latch (C) When Opened Permits the Upper Roll (A) to Raise Automatically. The Formed Cylinder Can then be Removed from the Roll (A) Without Distorting It. The Latch (C) when the Roll (A) is Returned to Closed with One Movement and is Self-Locking. Rolls Bored Out and Fitted with Knurled Screws and Once Adjusted They Cannot Slip. The Gears Are Steel Wrought

Nos.	0350	0384A
Diameter Rolls, in Ins.	3	4
Length Rolls, in Ins.	16	24
Weight Each, in lbs.	90	97
Each	$50 40	52 00

One in a Box



HEAVY SLIP ROLL FORMERS

Back Geared; Compensating Gears; For 14 Gauge Iron and Lighter. Three Revolutions of Crank to One Revolution of Rolls. Regularly Furnished with Crank on Each End.

Each

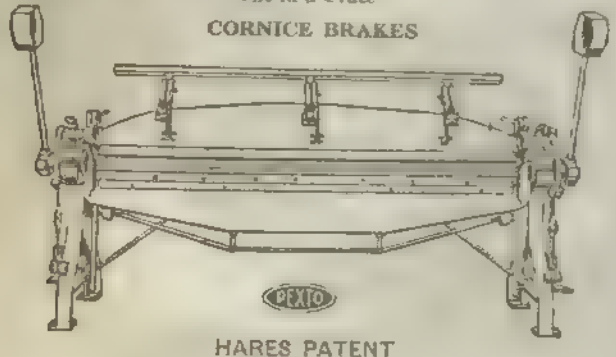
No. 418A—Diameter of Rolls 3 inches; Length 49½ inches, Weight Each 660 lbs. $297 00

NOTE—Above Machine, with Legs, Additional, Each 35 20

✣Pulleys—Above Machine with Loose and Tight and Loose Pulleys for Power Specify R. P. M., Additional 44.00

One in a Crate

CORNICE BRAKES



HARES PATENT
Four Leaf

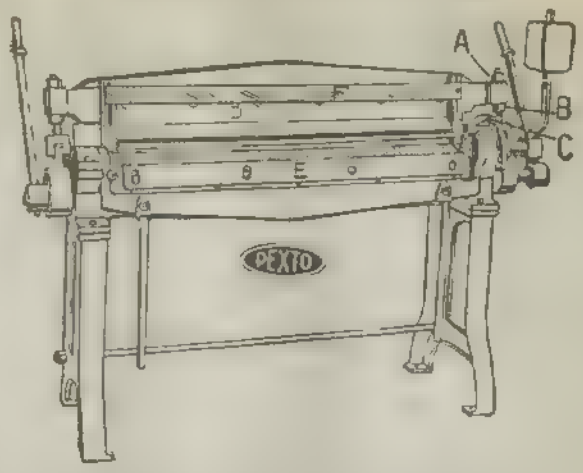
Bending Leaf is of Special Steel, and Properly Balanced by Two Weighted Levers. The Steel Bending Blades, on Right Leaf, will Bend Any Angle Wanted; Has Attachment or Fourth Leaf for Making Circular or Semi-Circular Forms; Brake is Especially Adapted for Ventilating and Cornice Work; for Forming Gutters, Valleys, etc. Guaranteed to Bend No. 18 Iron, Perfectly Straight In Entire Length. One Forming Bar and Seven Formers;

✣No. [illegible]
Weight about 1,000 lbs. $1177.00

One in a Crate

TINNERS TOOLS

PECK, STOW & WILCOX
COMBINATION BRAKE AND FOLDER



Cast Iron, with Steel Bending Blade; For 16 Gauge Iron and Lighter; Will Form Open and Closed Locks from ⅜ inch in Width, on No. 24 Iron, to 1¾ inch in Width, on No. 16 Iron; Furnished with Seven Formers, for Making Circular, and Semi-Circular Bends in Cornice Work; Viz.: 3 [illegible], 2, 1¾, 1½, 1¼ and 1 inch.

Each

✣**No. 93**—Length 42 inches, Clamping Jaws Open 1¾ inches; Weight Each 950 lbs. $539 00

One in a Crate

ROOFING FOLDERS

Solid Oak, Natural Finish; Steel Edge; Iron Carrying Handle. For Seam Tin Roofing.

Improved, With Gauge

	Each
No. 113 [illegible] Weight Each 14 lbs.	$14 00
No. 123—30 inches Long. Weight Each 15 lbs.	16.50

Loose

ROOFING FOLDERS

Solid Oak, Natural Finish; Steel Edge; Iron Carrying Handle. For Flat Seam Tin Roofing.

Common, Without Gauge

	Each
No. 13C—20 Inches Long, Weight Each 10 lbs.	$12 10
No. 33C—30 inches Long, Weight Each 12 lbs.	14 30

Loose

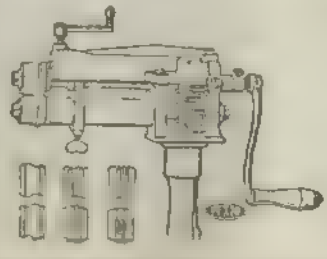
HANDY SEAMERS

As the Name Implies, a Handy Seamer; Useful Where a Larger Seamer Would Not be Practical; Light Enough to be Carried in Tool Kit, or Pocket.

Per Dozen

No. 791—Size Over All 7¼x3½ inches; Size of Blade 3½x¾ inches; For Seams ⅛ to ¼ inches; Weight Each 1 lb. $52.80

Loose



BEADING MACHINES
STOWS PATENT

With Interchangeable Parts

Will Bead Material Up to and Including 26 Gauge.

Each

No. 620 [illegible] Size of Beads, One, ¾ inch, Triple, [illegible] Double, ½ inch, Single, ¼ inch, Weight Each 35 lbs. $58.80

One in a Box

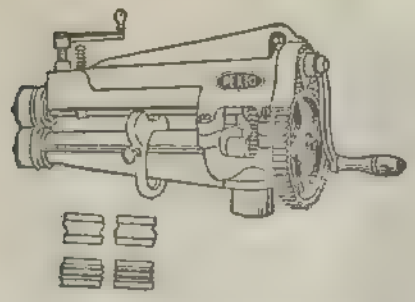
Items Marked ✣ Not Carried in Stock, Can Only be Furnished by Shipping Direct from Factory

TINNERS TOOLS

PECK, STOW & WILCOX

BEADING MACHINES

STOW'S PATENT



With Interchangeable Parts

Has Guide Rest in Front on which the Article Rests while the Bead is Formed; Each Machine is Equipped with 3 Pairs of Rollers and Rotary Stand; will Bead 20 Gauge Iron.

Nos.	617B	†619B
Length, inches	13	7¾
Ogee Bead, inches	1	⅞
Triple Bead, inches		⅞
Single Bead, inches		⅝
Weight Each, lbs	117	87
Each	$115 50	94 50

One in a Box

EXTRA PARTS

	617B	619B
†For Machine, Nos.	$12 60	12 60
†Rollers, per Pair	16 80	16 80
†Crimping Rolls, per Pair	10 50	10 50
†Guide Rests, Each	42 00	42 00
†Stands		

Loose

COMMON ROOFING TONGS

Used to Turn Seams and to Draw the Two Strips of Tin Together Before Cleating. Each Size Turns but One Size of Seam. Made of Steel, Japanned; 24 inches Long, 17 inch Clamps.

Cut Shows One Pair. A Set Consists of Two Pair.

Per Pair

No. 771—Turns 1 inch Seams $10 00

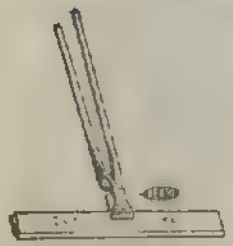
No. 771¼—Turns 1¼ inch Seams 10 00

No. 771½—Turns 1½ inch Seams 10 00

Average Weight per Pair 9 lbs.

Loose

IMPROVED ROOFING TONGS



STOW'S

These Tongs are Adjustable; a Single Pair Will Turn Five Different Widths of Seams, They Are Not, Therefore, Sold in Sets; Made of Steel, Japanned.

Per Pair

No. 773—Turns Seams ½, ¾, 1, 1¼ and 1½ inches; Length 25½ inches; Length of Clamps 18½ inches, Weight per Pair 8½ lbs. $18.00

Each

†Extra Blades for Above; Weight Each 2¼ lbs.
†Extra Bolts for Above; Weight Each 1½ ozs.
†Extra Screws for Above; Weight Each 1 oz.

Prices on Application

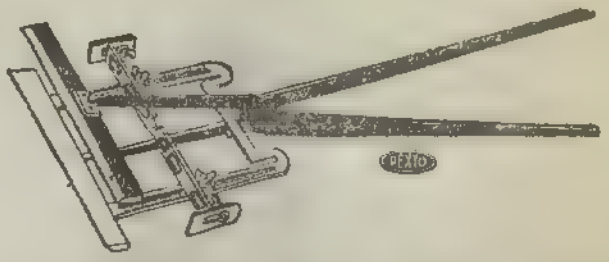
Loose

TINNERS TOOLS

PECK, STOW & WILCOX

ROOFING TONGS

REESE PATENT



With Adjustable and Removable Gauge. Suitable for Edging and Bending Any Kind of Sheet Metal up to 22 Gauge; Steel Clamps, Japanned; Adjusted by Thumb Screw and Sliding Gauge

Per Pair

No. 775—Adjustable to Turn Edges from ½ to 10 inches; Length 36 inches; Width of Clamps 14 inches; Weight per Pair 11¾ lbs $20.00

Loose

ROOFING DOUBLE SEAMERS

Used in Places Where Seaming Tongs Would be Inconvenient.

Two Pair to Match, Make One Set. Cast Steel; Japanned.

A Set Consists of Two Pair; Cut Shows One Pair.

Per Set of Two Pair

No. 745—Size of Faces 1x1¼ inches $6.30

No. 746—Size of Face 1¼x1½ inches 6.80

Loose; Weight per Set 19 lbs

Single Pair One Half Above Price

GUTTER TONGS

For Turning Up Gutter, etc. Steel Clamps, Malleable Iron Handles, Japanned; Suitable for Iron or Steel up to 22 Gauge.

Per Pair

No. 777—Length 37 inches, Width of Clamps 13 inches, Weight per Pair 10 lbs. $10 00

Loose

DOUBLE SEAMERS

BURRITT'S

Japanned Malleable Iron, Hollow Tubed Iron Handles and Malleable D Handle. Wid Double Seam Hips and Ridges, Can be Used by Either Hand or Foot Power. When Shipped They are Packed for Use

One or Two Pair

No. 742—With Gauge; to Follow 1 and 1¼ inch Locks, Length Over All 30 inches; Width of Blade ¼ to 2 inches; Weight Each 21 lbs. $45.00

No. 742½—With Wide Gauge; to Follow 1¼ and 1½ inch Locks; Length Over All 29¼ inches; Width of Blade 3½ inches. Weight Each 24 lbs. 45.00

One in a Box

Items Marked † Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory

TINNERS TOOLS

PECK, STOW & WILCOX

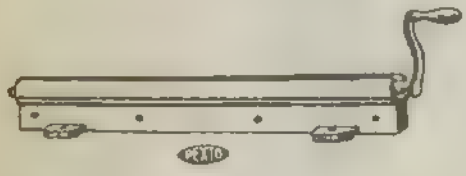
GUTTER BEADERS

Gutter Beaders are Intended for Forming a Bead on the Edges of Gutters. This Machine is so Constructed that it can be Easily Adjusted to be Used with Rods from 3/8 to 7/8-inch in Diameter. The Thickness of the Metal is Determined by the Size of the Rod. It has a Gauge or Stop on the Left-hand End, so that after Adjusting the Jaws and Setting the Gauge for the Size of the Rod to be Used, the Jaws can be Easily Opened to Remove the Work and Rod, and then Closed in Exactly the Same Position as when the Bead was Formed, so that the Operator can Form any Number of Beads of Exactly the Same Size. The Jaws are Adjusted by a Hand Wheel with Rack and Pinion, which Adjusts Both Ends of the Movable Jaw.

Each

No. 700—Length 31 inches; Diameter of Rod 3/8 to 7/8 inch; Weight Each 75 lbs. $42.00

One in a Box



The Jaws on these Machines do not Open for the Purpose of Removing Rod and Work. The Rod is Enclosed, and They are Adapted for the Size Rod Ordered.

Nos.	708	709
Length	42	31
Diameter Rod, inch	1/2 to 5/8	3/8 to 3/4
Weight, lbs.	27	27
Each	$31.50	21.00

One in a Box

GUTTER RODS

For Gutter Beaders Shown Above; Made of Steel.

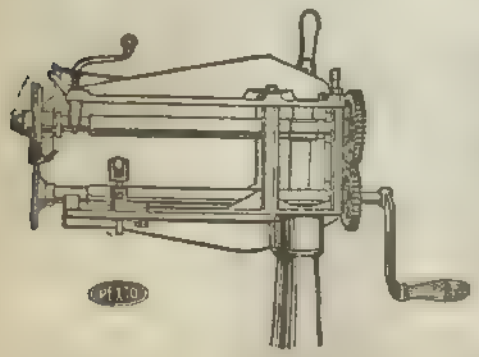
Each

No. R709—Length 36 inches; Diameter 3/8 to 3/4 inch; Weight Each 4 1/4 lbs. $8 40

+No. R708—Length 45 inches; Diameter 1/2 to 5/8 inch; Average Weight Each 8 lbs. 12 60

Loose

Diameter of Rod Wanted Must Invariably be Given, or Orders Cannot be Filled.



DOUBLE SEAMING MACHINES

MOORE PATENT

With Stand

For General Purposes; Adapted to Metals up to No. 26 Gauge. The Only Machine that will Double Seam Coffee Pots.

Each

No. 644—For Heavy Metal; Length 1[illegible] inches; Diameter of Face 4 1/2 inches; Weight Each 50 lbs. $115 50

+No. 646—For Coffee Pots; Length 10 inches; Diameter of Face 2 1/4 inches. 105 00

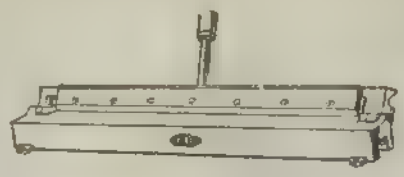
One in a Wood Box

TINNERS TOOLS

PECK, STOW & WILCOX

SHEET IRON FOLDERS

STOW'S IMPROVED



These Machines can Only be Used in Turning Flat Sheets.

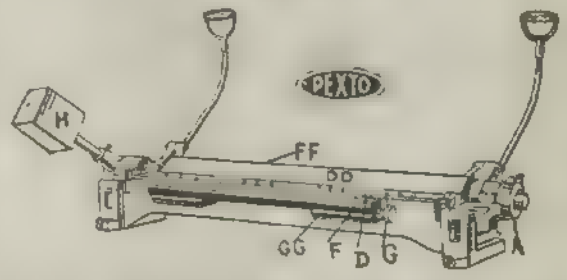
Iron Bottom; Will Turn Locks from 3/16 to 3/4 inch Wide; the Gauge is Moved by Sliding Endwise and is Always on a Line Parallel with the Edge of the Folding Plate.

Each

No. 10A—Length 30 inches; Adapted to Metals up to 26 Gauge; Weight Each 58 lbs. $56.70

+No. 15—Length 42 inches; Adapted to Metals up to 26 Gauge; Weight Each 175 lbs. 84.00

One in a Wood Box



Bar Folders; Stoves, Adjustable. Will Form Open or Closed Locks from 1/8 to 1 1/2 inches; Also Adapted to Turning Edges for Wiring. Will take Material up to 20 Gauge; Machines Leaving Factory are Adjusted for J. C. Tin; or 29 Gauge Metal.

Each

+No. 55A—Length 37 inches; Weight Each 365 lbs. $209 00

One in a Box

SHEET IRON FOLDERS

CHAMPION

Gauge is Adjustable to Form Locks from 3/16 to 1/2 inch Wide; the Fold is Completed Against a Round Steel Rod, Insuring a Lock of Uniform Width the Entire Length; this Rod also Protects the Edge of the Frame and can be Replaced at Small Expense.

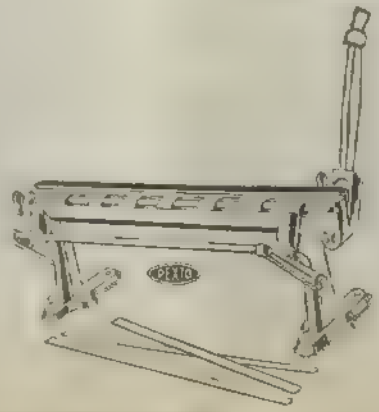
This Machine is Gradually Superseding all Other Makes on Account of its Great Strength and Durability; No. 13 has a Handle at Each End.

Each

+No. 11A—Length 33 inches; Adapted to Metals up to 26 Gauge; Weight Each 100 lbs. $67 20

+No. 13—Length 42 inches; Adapted to Metals up to 24 Gauge; Weight Each 120 lbs. 102.50

One in a Wood Box



SHEET IRON FOLDERS

WRIGHT PATENT

Gauge is Adjustable to Form Locks 3/16 and 5/16 inch Wide. This Machine is Intended for Ordinary Work only; it Answers all General Purposes in the Average Shop.

Each

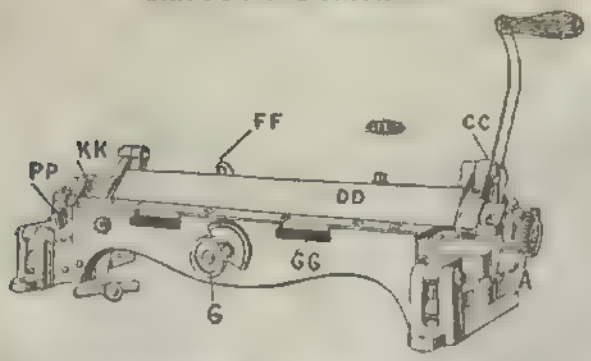
+No. 0—Length 42 inches; Adapted to Metals up to 22 Gauge; Weight Each 100 lbs. $105.00

No. 1—Length 30 inches; Adapted to Metals up to 24 Gauge; Weight Each 75 lbs. 58.80

One in a Box

Items Marked + Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory

TINNERS TOOLS
PECK, STOW & WILCOX
BAR FOLDING MACHINES

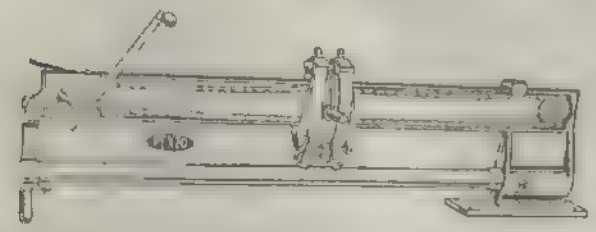


With Turn Locks from 2½ to 5 Inch Wide, Nos. 152 and 154 are Adapted to Metal [illegible] Gauge; No. [illegible] will Turn Locks on 20 Gauge Metals. [illegible] Moved by Hand Wheel in the Center and Fastened [illegible] Ends of Frame, the Movement of the Gauge is Instantaneous [illegible] Adjustable for Fractions of Inches.

	Each
✣No. 62A—Length 20 inches; Weight Each 80 lbs.	$115 50
✣No. 63A—Length 30 inches; Weight Each 155 lbs.	136 50

One in a Wood Box

GROOVING MACHINES



Improved Automatic; More Rapid than the Ordinary Groover, in that Operator Does Not have to Change His Position in Inserting and Removing Work from the Machine; Has Adjustable Stop on Upper Bar for Work [illegible] Not Less than 2 inches in Diameter; Adapted to Metal Not Heavier than 24 Gauge.

	Each
✣No. 518A—Will Groove Work up to 30 inches [illegible] Set of Grooving Rolls, One Each 3/16, 7/16, and [illegible] and Two 5/16 inch Also One Flattening Roll; Weight Each 200 lbs.	$136 50

One in a Box

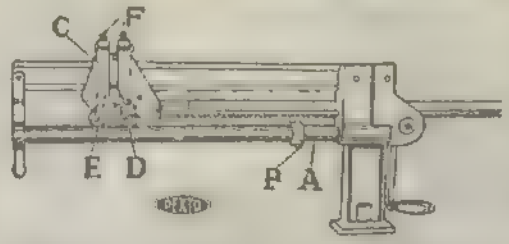
CRIMPING AND BEADING MACHINES

With [illegible] for Depressing Rolls. Contact of Upper Beading Roll is Adjustable by a Lever; Lever Also has an Independent Adjustment for Raising Upper Beading Roll, and Taking Same Out of Contact with Lower Roll, when Crimping Only is Desired, thus Obviating the Necessity of Substituting Blank Collar for Beading Rolls; Capacity, 24 Gauge Iron and Lighter; Crank is Adjustable to Suit Light or Heavy Work.

	Each
✣No. 602—Complete with Standard and Foot Treadle, Like Cut; Weight Each 38 lbs.	$58.80

One in a Box

TINNERS TOOLS
PECK, STOW & WILCOX
GROOVING MACHINES



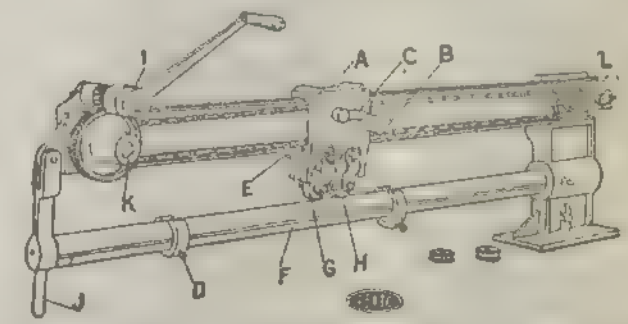
These Machines are Constructed for General Grooving and Have an Improvement [illegible] Operation. Lower Bar or Horn (A) is Reversible, so that Either the Flat Surface of One of the Grooves Which is Planed into the Horn can be Turned Upward, Permitting for the Locating of Seams on the Inside or the Outside of the Work. The Seam is Put on the Inside of Work by Means of Flat Roll which Presses the Seam into One of the Grooves Planed in the Horn, Outside Grooving is Done in the Usual Manner by Using the Grooved Rolls on Flat Surface of Horn. An Adjustable Stop Collar (B) is Fitted on Lower Horn (A) to prevent work Slipping while Being Grooved

An Improved Feature will be Found in the Carriage (C) which Holds Flattening Roll (D) and Grooving Roll (E). The Flattening Roll (D) Runs Idle on the Outward Run and the Grooving Roll (E) Runs Idle on the Backward Run. In other Words, Both Rolls do Not Press on the Seam at the Same Time, which Makes for Easy Grooving. The Old Style Flattening Spring and Rod for Tension are Not Used, the Tension Being Secured through a More Simple Arrangement at (F), which Permits for Greater Uniformity in the Seams Grooved and Eliminates Frequent Spring Breakage

Nos.	506-A	507-A
Length Grooving Horn, inches.	[illegible]	[illegible]
Weight Each, lbs.	[illegible]	[illegible]
Each	$105 00	115 50

One in a Box

GROOVING MACHINES



The Trained Eye of a Mechanic is Not Necessary to Claim for These New [illegible] Masterpiece Machine for Grooving and Flattening the Seams in Sheet Metal Work. The More Important Principles Embodied in the Construction of this Machine are Original, Making for a Greatly Serviceable and Convenient Machine for Light as well as Heavy Work

[illegible] Grooving Carriage for Many Years [illegible] Taking [illegible] and Coasting Cut [illegible] Rotating Knob [illegible] When so Engaged the Carriage [illegible] Forward by the Handle (B) for Lightning Grooving on Light Material. The Position of Hand Crank (I) offers a Direct-acting Motion. Fitting the Crank (I) in the Large Gear (K), the Machine Becomes Back Geared for Greater Ease when Grooving Heavy Iron. Pressure of the Grooving Roll (G) and Flattening Roll (H) is Secured Through Eccentrics and which are Quickly and Easily Adjusted Through a Turn of Knobs (E). The Flattening Roll (H) Runs Idle on the Outward Run and the Grooving Roll (G) Idle on the Backward Run. The Two Rolls do Not Press the Seams at the Same Time, Therefore Easy Grooving is Assured. Lower Bar (F) is Reversible, so that Either the Flat Surface or One of the Grooves which is Planed into the Horn can be Turned Upward, Permitting for the Locating of Seams on the Inside or the Outside of the Work. The Stop (D) is Steel and Prevents Work Slipping while the Grooving is Taking Place.

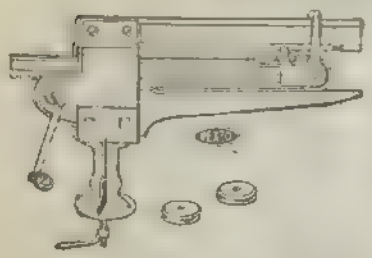
The Combination of Features Described Offers an All-around Grooving Machine for Light and Heavy Work up to 30 inches and No. 20 Gauge. The Big, Busy Shop Cannot Afford to be Without One.

	Each
No. 520—Will Groove Work 36 inches; Weight Each 410 lbs.	Price on Application

One in a Box

Items Marked ✣ Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory

TINNERS TOOLS
PECK, STOW & WILCOX



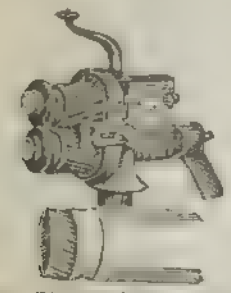
PATENT BRASS MOUNTED GROOVER

With Steel Bar and Milled Horn

Adapted to Locking Seams on Metals up to 24 Gauge, Complete with Three Grooving Rolls. Sizes 1/8, 5/32 and 7/32 inch.

	Each
✣No. 502A—Length 20 inches; Weight 7 8 lbs.	$67.20

One in a Box



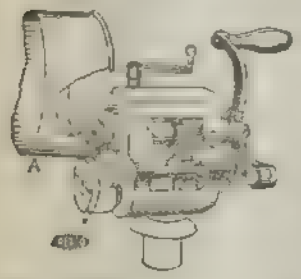
PACKHAM

STOVE PIPE CRIMPERS AND BEADERS

Adapted to Metals up to 22 Gauge

	Each
No. PC With Standard; Spiral Beading and Crimping Rolls, Weight Each 27 lbs.	$30 00

One in a Box



PECK, STOW & WILCOX

ELBOW EDGING MACHINES

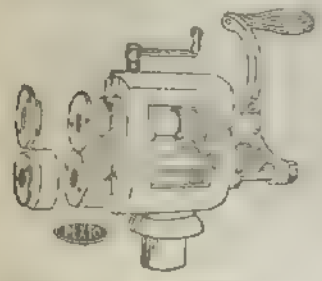
STOW'S COLUMBIAN

Saves One-Third of the Time of the Operator in Putting Elbows Together. Forms Both the Crease and Bead for Uniting the Two Sections

	Each
No. 551—Machine with Standard; Weight Each 25 lbs.	$42 00

One in a Box

✣Extra Rolls or Faces; Weight per Pair 1 lb. ..... Price on Application



TURNING MACHINES

STOW'S COLUMBIAN

Used in Preparing Vessels for Wiring and in Putting Stove Pipe Elbows Together. Each Size of Machine Has Two Sets of Rolls Adapting Them to Two Sizes of Wire Most Commonly Used, Adapted to Metals up to 24 Gauge

Nos.	Style	Weight Each, lbs.	Each
541	Small; With Standard	30	$42 00
541½	Small; Without Standard	10	27 00
542	Large; With Standard	30	46 20
542½	Large; Without Standard	20	31 10

Extra Faces for Small or Large Machines..... Price on Application

One in a Box

TURNING MACHINES

STOW'S ENCASED

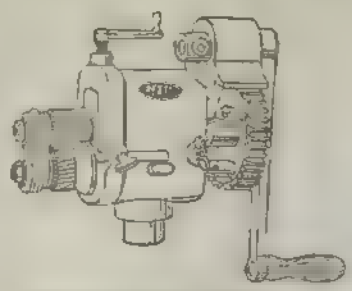
With Adjustable Faces and Interchangeable Parts Gearing Entirely Protected.

Nos.	Weight Each, lbs.	Each
545	7	$56 70
545½	4	34 70
546	9½	60 90
546½	6	38 80

Extra Faces for Small Machines ..... Price on Application

One in a Box

TINNERS TOOLS
PECK, STOW & WILCOX

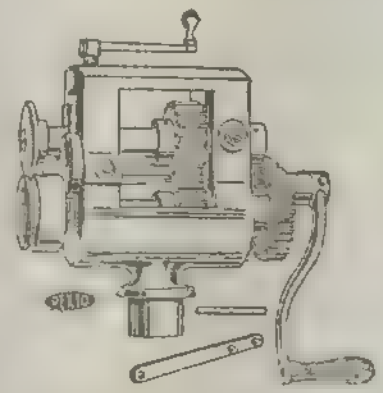


STOVE PIPE CRIMPERS AND BEADERS

Two Collars are Furnished to Substitute for Beading Rolls when Crimping Only is to be Done; Adapted to Metals up to 22 Gauge.

	Each
No. 585A—With Standard; Spiral Rolls; Weight Each 45 lbs.	$54 60
✣No. 586A—With Standard; Straight Rolls; Weight Each 45 lbs.	54 60
✣No. 587A—With Foot Lever; Spiral Rolls; Weight Each 55 lbs.	75 60

One in a Box



TURNING AND WIRING MACHINES

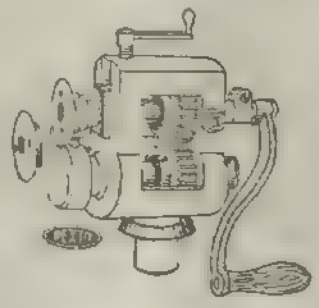
Complete with Standard Illustrated [illegible] Machine, Combined [illegible] Machine, Set of 18 Gauge Iron Rolls, and 10 [illegible] Wire Rolls for Turning, Each Set Turning Rolls for 3/16 inch Wire and 20 Gauge Iron.

	Each
✣No. 0547—Complete with Standard; Diameter of Roll 3¼ inch; Ratio of Gearing 2 to 1; Weight Each 115 lbs.	$94 50

One in a Box

EXTRA ATTACHMENTS

	Per Pair
✣Regular Turning, Wiring and Burring Rolls	$14 70
✣Elbow Edging Rolls	13 70
	Each
✣Extra Regular Gauges	$ 6 30
✣Apron Gauges for Elbows, Edging Rolls	16 80
✣Foot Treadle Attachment in Place of Crank Screw	31 50
✣Circular Flang in Attachment	84 00



BURRING MACHINES

Used for Turning Up Edges on Vessels, after which they are Finished on the Setting Down Machine.

STOW'S COLUMBIAN

Lid Frame, Face Pass Over Seams, Without Straining.

Complete With Extra Upper Face

Nos.	Style	Weight Each, lbs.	Each
576	Small; With Standard	21	$35.70
576½	Small; Without Standard	11	33.60
577	Large; With Standard	26	40 00
577½	Large; Without Standard	16	37 80

Upper Faces; for Large and Small Machines; Weight Each 2 ozs. ... Price on Application

Lower Faces; for Large and Small Machines; Weight Each 3 ozs. ... Price on Application

One in a Box

Items Marked ✣ Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory

TINNERS TOOLS

PECK, STOW & WILCOX

BURRING MACHINES

STOW'S ENCASED

Adjustable Boxes and Interchangeable Parts; Gearings are Fully Protected.

Complete with Extra Upper Face

Nos.	Style	Weight Each, lbs.	Each
579	Small, With Standard	20	$50 40
579½	Small; Without Standard	10	48 30
580	Large; With Standard	24	54 60
580½	Large; Without Standard	14	52 50

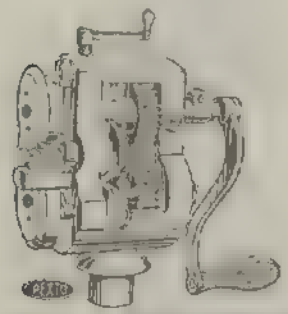
Upper Faces; for Large and Small Machines: Weight Each 2 ozs. **Price on Application**

Lower Faces; for Large and Small Machines: Weight Each 3 ozs **Price on Application**

One in a Box

WIRING MACHINES

Used for Rolling the Sheet Metal Tightly Around the Wire After Its Seat Has Been Prepared by the Turning Machine; Adapted to Metals Up to 24 Gauge.



STOW'S COLUMBIAN

Solid Frame, Interchangeable Parts Faces Pass Over Seams without Straining Forming Roll Gauge "Pro" Not Furnished Unless Specified.

	Each
No. 525 A Machine, With Standard; Weight Each 53 lbs.	$48 30
No. 525½A Machine, Without Standard; Weight Each 43 lbs.	46 20

✣**Upper or Lower Roll With Arbor;** Weight Each 2 lbs. **Price on Application**

One in a Box

STOW'S ENCASED

Adjustable Boxes and Interchangeable Parts; Gearings are Fully Protected.

Forming Roll Gauge "Pro" Not Furnished Unless Specified.

	Each
No. 526 —Machine, With Standard; Weight Each 30 lbs.	$63 00
No. 526½—Machine, Without Standard; Weight Each 20 lbs.	60 90

✣**Upper or Lower Roll With Arbor;** Weight Each 2 lbs. **Price on Application**

One in a Box

SETTING DOWN MACHINES
STOW'S COLUMBIAN

Used to Fasten the Bottoms on Vessels After the Edges have Been Turned on the Burring Machine.

	Each
✣**No. 556**—With Standard; Weight Each 22 lbs.	$50 40

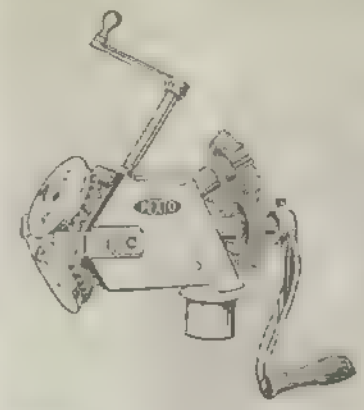
One in a Box

EXTRA PARTS

	Each
✣Upper Rolls	Prices on Application
✣Lower Rolls	
✣Lower Journal Plates	

TINNERS TOOLS

PECK, STOW & WILCOX



SETTING DOWN MACHINES
IMPROVED

For No. 18 Iron and Lighter

	Each
No. 562—Setting Down Machine with Standard; Weight Each 100 lbs.	$58 80

One in a Box

MACHINE STANDARDS

For Small Machines

	Each
No. 975—Small Plain; for All Except Wiring Machines; Weight Each 11 lbs.	$3.70

Loose

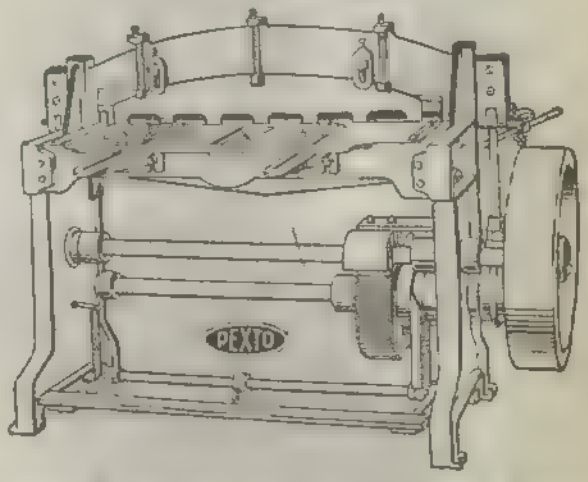
MACHINE STANDARDS

For Wiring Machines

	Each
No. 976—With Horn; for Wiring Machines; Weight Each 11½ lbs.	$3 70

Loose

SQUARING SHEARS



Capacity 14 Gauge [illegible] Capacity with Hold-down Attachments, One Pair Each, 25½ inch, and 12½ inch Front Arms; and Complete Gauge Equipment.

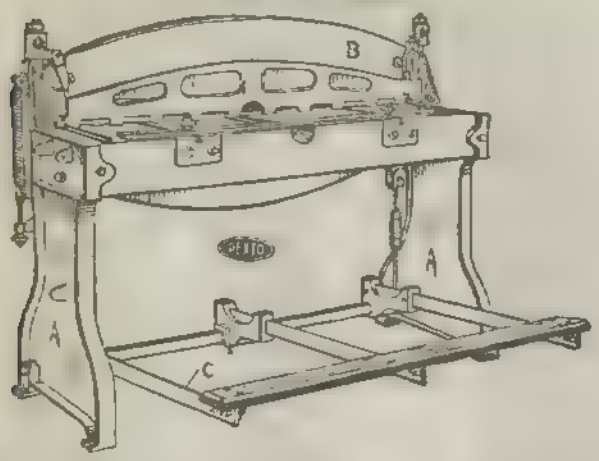
	Each
✣**No. 223**—Length Cutting Blades 53½ inches; Length Rear Gauge 30 inches; Width Bed Plate 12½ inches; Fly Wheel Six 24x4½ inches; Weight 225 lbs.; Speed 240 R. P. M., Ratio of Gearing 4 to 1; Weight of Shear Complete 1 815 lbs.	$900 00

Regularly Shipped on Skids; If Wanted Crated or Boxed, Cost of Such Packing will be Added to Invoice.

Items Marked ✣ Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory

TINNERS TOOLS

SQUARING SHEARS

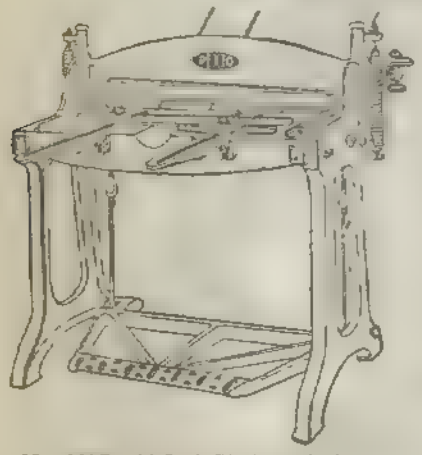


No. 16 Gauge is as Heavy as we Recommend Cutting with a Foot Power Squaring Shears. Iron of Heavier Gauges Should be Cut with a Squaring Shears Arranged for Power Drive. These Heavy Patterns can be Depended Upon to Cut with a Nicety up to their Full Rated Capacity Solid Cast Iron Legs (A) a well Proportioned Gate (B) that Holds the Upper Cutting Blade, and a Steel Extension Treadle (C) are Features which Make Them Desirable for the Shop where a Heavy Foot Power Squaring Shears is Used.

Nos.	0230B	0236B	0240B	0252B
Length Cutting Blades, inches	30	36	42	52
Depth Gap in Housings, inches	25¼	25¼	25¼	25¼
Length Front Arms, inches	30	30	30	30
Width Bed Plate, inches	12½	12½	12½	12½
Weight Each, lbs	790	920	960	1000
Each	$236.00	$262.00	$440.00	$572.00

Note: Shipped Crated Regularly; If Wanted Boxed an Extra Charge Will be Made Covering Boxing; Shipped from Cleveland, Ohio.

SQUARING SHEARS



Capacity: 18 Gauge Iron and Lighter Furnished Regularly with Gauge; without Side Tables.

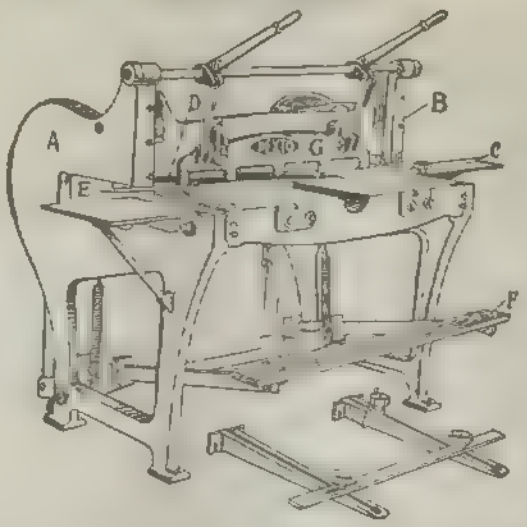
	Each
✣No. 122B—22 Inch Blade; 12½ Inch Arms; Complete with Top; Weight Each 375 lbs	$168 00
One in a Crate	
✣No. 132B—31 Inch Blade, 19 Inch Arms; Complete with Top; Weight Each 540 lbs	199 50
One in a Crate	
✣No. 137B—36½ Inch Blade, 25¼ Inch Arms, Without Top Weight Each 650 lbs	273 00

Note: Shipped Crated Regularly; If Wanted Boxed an Extra Charge Will be Made Covering Boxing Shipped from Cleveland, Ohio,

If Wanted with Side Table, add $8 40

TINNERS TOOLS

SQUARING SHEARS

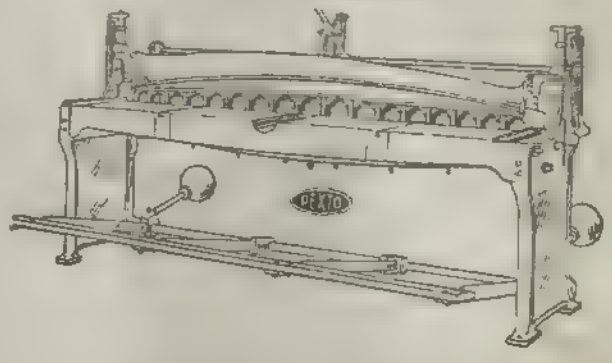


These New Patterns Embody Every Improvement for a Well-balanced, Easy-operating Shears. Housings (A) and (B) have a Gap of 18 Inches for Permitting the Cutting of Sheets from ½ inch to the Full Depth of the Gap in Housings. The Slitting Gauge (C) Facilitates the Slitting of Sheets of Longer Length than the Cutting Blades (D) and (E). The First Cut Made, the Slitting Gauge (C) Secures Proper Alignment of the Successive Cuts. The Treadle (F) is Steel and Extensible. The Lever Holddown (G) Presses the Sheet with Security for Insuring an Accurate and Clean Cut. Used as a Regular Squaring Shears, They will Cross-cut Sheets at Any Point Desired and of Full Width, According to the Length of Shears Used.

Nos.	XC36	XC42	XC52
Length Cutting Blades, inches	36	42	52
Depth Gap in Housing, inches	18	18	18
Length Front Arms, inches	26½	26½	26½
Length Rear Gauge Arms, inches	24	24	24
Width Bed, inches	14	14	14
Weight Each, lbs	1600	1700	1900
Each	$550 00	635 00	781 00

Note: Shipped Crated Regularly; If Wanted Boxed an Extra Charge Will be Made Covering Boxing; Shipped from Cleveland, Ohio.

SQUARING SHEARS



For Cornice or Other Work, where Shears of Great Capacity are Desired; Fitted with Automatic Back Gauge, which is Operated by a Lever from Front of Shears; Will Cut 18 Gauge Iron in Strips from ¾ to 20 inches in width.

	Each
✣No. 191—97 inch Blade; Front Arms 22 inches; Rear Gauge Arms 25 inches; Rear Gauge 94 inches in Length; Bed Plate 18 inches in Width; Weight Each 2,900 lbs	$1045.00

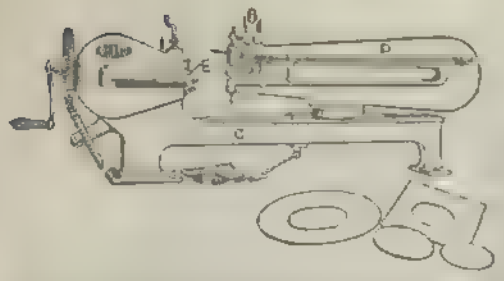
Note: Shipped Crated Regularly; If Wanted Boxed an Extra Charge Will be Made Covering Boxing; Shipped from Cleveland, Ohio.

Items Marked ✣ Not Carried in Stock, Can Only be Furnished by Shipping Direct from Factory

TINNERS TOOLS

PECK, STOW & WILCOX

CIRCULAR SHEARS



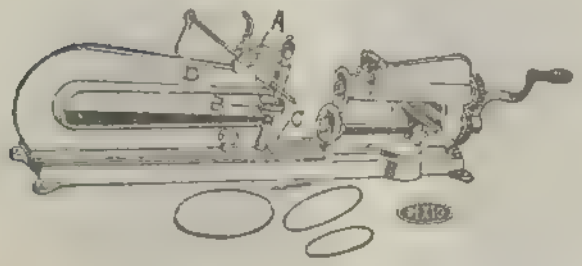
For Use on Bench; for Cutting Circles, Rings, and Irregular Curves; Capacity 20 Gauge Iron and Lighter.

Each

†No. 298—Will Cut Circles from Blanks 3¼ to 22 inches Square; Will Cut Rings from 3¼ inches, Inside Diameter to 22 inches, Outside Diameter; Weight Each 195 lbs. $147.00

One in a Box

ROTARY SHEARS



WAUGH'S PATENT

Bevel, Square and Circular Shear

This Machine is Exceptionally Easy to Operate and Adjust; the Frame Bearing the Discs can be Removed and a Squaring Attachment Substituted by which Metals can be Slit, Cut Square or at any Desired Bevel.

For Light Material Operated by Hand

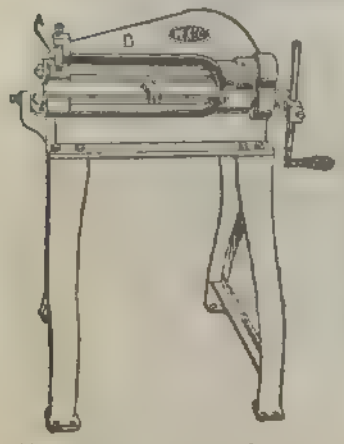
Will Cut any Square or Bevel under 20 inches Can be Instantly Changed to Cut Circles; Adapted to Metals up to 22 Gauge.

Each

†No. 278—Will Cut Circles 2¾ to 22 inches; Weight Each 125 lbs. $115 50

One in a Box

SLITTING SHEARS



For Slitting Iron, used in Cornice, Furnace and Ventilation Work, etc. Will Cut Circles and Irregular Curves on a Scribed Line; Cutters Forged from Special High Grade Tool Steel, Hardened and Tempered, and have Two Cutting Edges, Making them Reversible; Crank is Adjustable to Different Leverages, Bearings are Adjustable to Take Up Wear; Cutting Head Mounted on Heavy Cast Iron Legs; Capacity 16 Gauge Iron and Lighter.

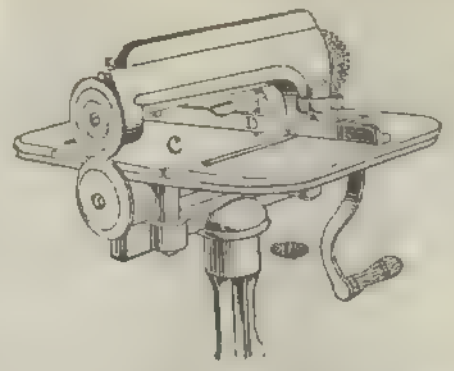
Each

†No. 255A—Diameter of Cutters 3½ inch; Depth of Throat 19 inches; Size of Table 20x8 inches; Weight Each 325 lbs. $154 00

One in a Box

TINNERS TOOLS

PECK, STOW & WILCOX



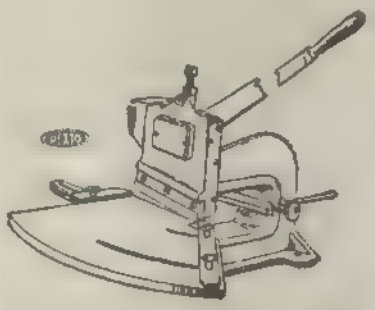
SLITTING SHEARS

Improved; Exceedingly Solid and Compact; All Adjustments Easily Made; Capacity 20 Gauge Iron and Lighter; Will Cut Strips as Narrow as ⅛ inch.

Each

†No. 250A—Diameter of Cutters 3⅛ inch; Depth of Throat 10⅛ inches; Weight Each 100 lbs. $94 50

One in a Box



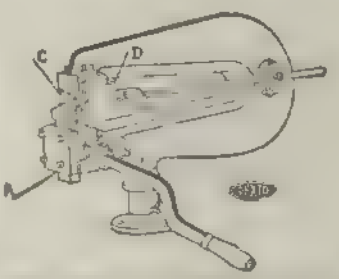
SLITTING AND BENCH SHEARS

For Variety of Work, Surpass All Other Shears; Especially Adapted for Range Manufacturers; Car Shops, Automobile Plants, and All Shops where a Variety of Straight and Irregular Cutting is Made; Capacity, 18 Gauge Iron and Lighter.

Each

†No. 248A—5½ inch Blade; Depth of Throat 10 inches; Size of Table 12x15 inches; Weight Each 165 lbs. $142 80

One in a Box



SCROLL SHEARS

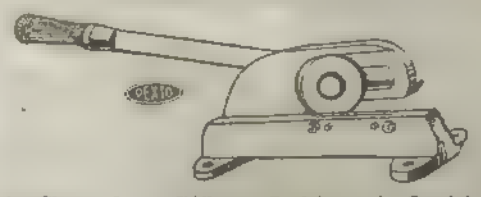
Will Cut Circles, Ovals, Ogees, etc., Adapted for Cutting from Center of Sheet; Mounted on Standard, which Screws to Bench, and is Adjustable to Any Angles; Upper Blade Can be Adjusted for Wear; Capacity, 20 Gauge Iron and Lighter.

Each

†No. 269A—4 inch Blade; Depth of Throat 12 inches; Weight Each 100 lbs. $124 50

One in a Box

CONTINUOUS ROLLING CUTTER SHEARS



In these Shears the Power Travels with the Cutter; They are Operated by a Pinion Lever Engaging in a Rack and Cutting with the Forward Roll of the Disc; the Disc is Reversible and Can be Changed to 6 Different Positions; the Straight Cutter Blade is Double Edged; the Motion of the Disc is about 1-3 of its Circumference; Pieces May be Cut Out of Sheet Metal Without Leaving Cross Marks.

Each

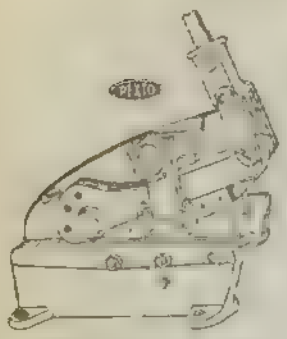
†No. 294—Will Cut 20 Gauge Iron; Length 12½ inches; Weight Each 4 lbs. $16 80

No. 295—Will Cut 16 Gauge Iron; Length 12½ inches; Weight Each 11 lbs. 23 10

One in a Box

Items Marked † Not Carried in Stock, Can Only be Furnished by Shipping Direct from Factory

TINNERS TOOLS
PECK, STOW & WILCOX



SLITTING SHEARS

These Shears are Commended for the Slitting of Sheets, Length or Crosswise, with Ease up to Their Full Rated Capacity. They are Patterned so as to Allow Sheets to Pass Freely, and Proportioned so as to Obtain the Greatest Strength and Durability. They are Furnished with or without Rod Cutting Attachment.

It Must be Remembered that the Service a Lever Shears will Give Depends Greatly on the Care Exercised in Keeping Up the Adjustments Provided for the Blades and in Keeping the Blades Sharp.

Each

No. 0296—10 inch Blades; Length Cutting [illegible] Weight Each 185 lbs..... $120 00

AUTO BRAKE LINING SHEARS

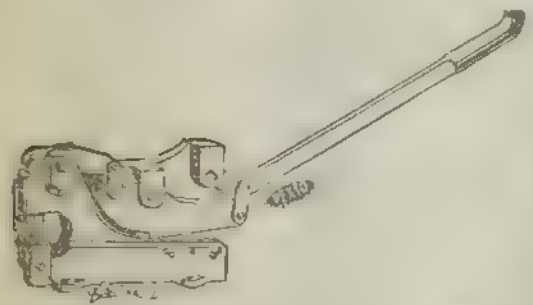
Every Auto Accessory [illegible] and Garage Should [illegible] of These Shears for Cutting Brake Lining. Will Cut 3/8 inch Lining and Smaller

Each

+No. 252—3½ inch Blade; 10½ inch Bed; Length Over All 18 [illegible] Height 6¾ inches; Weight Each 17 lbs $21 00

+No. 253—Same as Above, Except for Cutting 3/32 inch Iron or Steel and Lighter..... 21 00

Loose



COMBINED SHEARS AND PUNCHES

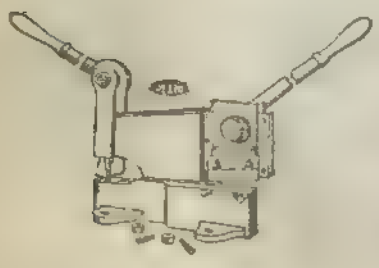
[illegible] Machine [illegible] for Both Cut[illegible] and Punch[illegible] Will Cut ⅛ inch Iron, and ¼ and ¼ inch Narrow Bars

Each

No. 678 [illegible] will Punch ⅛ inch Iron and to the Center [illegible] complete with 4 Punches; Sizes ⅛, ¼ [illegible] Weight Each 100 lbs $75 60

+No. 679 [illegible] Punch Iron and to the Center [illegible] inch Circle; Complete with Five Punches, Sizes ⅛, ¼, ¼, ¼ and ⅜ inch; Weight Each 120 lbs... 92 40

Loose



COMBINED SHEARS AND PUNCH
SAMPSON

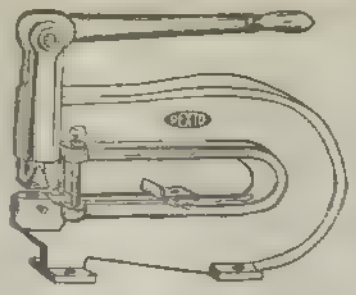
The Extra Heavy Punch Supplies a Demand for Which we Have Had Many Inquiries. We Guarantee It to Do Work as Represented and Its Capacity is Not Overstated. Will Cut Bar [illegible] ¼x1½, ⅜x¾, ½ inch Square and Punch Center of Circle [illegible] Diameter

Each

+No. 883 Shear and Punch; 6 inch [illegible] Will [illegible] Iron, and will Cut No. 8 Sheet Iron [illegible] Complete with Three Punches [illegible] inch; Also Furnished with Lever [illegible] Weight 400 lbs $294 00

Loose

TINNERS TOOLS
PECK, STOW & WILCOX



MACHINE PUNCHES
IMPROVED SAMPSON
With Adjustable Gauge

Made of Cast Iron; with Wrought Iron Links; Fastened to Bench with Bolts; when Large Sheets are to be Punched the Stay Bolts are Removed.

Each

No. 675—Depth of Gap 15 inches; will Punch No. 9 Iron and to the Center of 7 inch Sheets, when Stay Bolts are in Place; will Punch No. 12 Iron and to the Center of 30 inch Sheets with Stay Bolts Removed; Complete with 3 Sets of Dies and Punches, Sizes ⅛, ¼ and ¼ inch; Weight Each 95 lbs..... $94 00

Loose

HAND PUNCHES

WIZARD

The Wizard Hand Punch Works Like Magic, it is Powerful in Action, and Drop Forged from Steel. Excluding the Punch and Die, Only Two Parts are Used in its Construction. No Links to Spring, No Rivets to Split or Stick. No Pins, Small Screws and Other Parts to Become Easily Worn or Lost.

To Remove the Punch, Take Out the Easy-Working Knurled Head Screw. The Die is Slotted and Has a Screw Thread, Easily Removed with the Ordinary Screw Driver. A Simple Gauge is Fitted and which is Adjusted Through Turning Knurled Head

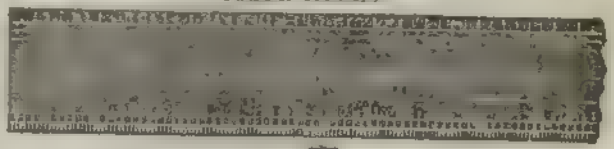
The Wizard is Guaranteed to Withstand the General Hard Usuage which a Hand Punch Usually Undergoes. An Actual Test will Prove the Advantages Gained by the Use of this Little Tool.

Each

No. 789—Depth of Throat 1⅜ inches; Capacity ¼ inch Hole in No. 18 Gauge Iron and Lighter; Length Over All 8¼ inches; Weight Each 3 lbs..... $17.60

One in a Box

STEEL RULES



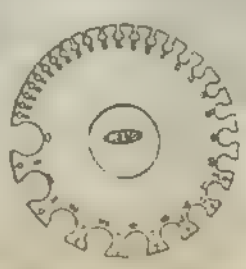
On the Front Side the Upper Line is the Ordinary Rule Graduated in ⅛ inches; the Lower Line Shows Circumferences; the Reverse Side Gives Valuable Information Regarding Sizes of Cans, Measures, Pails, Etc., Liquids and Dry Measures in Quarts, Gallons and Bushels.

Each

No. 101—Polished Steel; Yellow Enamel Markings; Length 36 inches; Weight Each 1⅜ lbs.... $6 90

No. 107 Nickel Plated Steel; White Enamel Markings; Length 36 inches; Weight Each 1⅜ lbs.... 8 50

Each Rule Wrapped in Paper



WIRE GAUGES
English Standard

Round Polished Cast Steel for Brass and Copper Wire and Sheet Metals.

Each

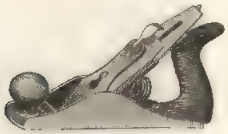
No. 1—Large; Diameter 3 inches; Numbers Run from 7 to 36; Weight Per Dozen 3 lbs. $3 80

No. 2—Small; Diameter 2⅜ inches; Numbers Run from 6 to 36; Weight Per Dozen 1½ lbs..... 3 10

Half Dozen in a Box

Items Marked ✱ Not Carried in Stock. Can Only be Furnished by Shipping Direct from Factory

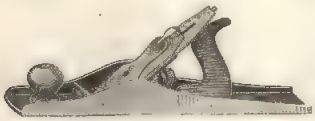
BLOCK PLANES



Black enameled cast iron frames. Finely varnished rosewood handle and knob.

Smooth

No.	Bottom	Length	Size cutter	Wt. each	Each
8S	Smooth	7 in.	1⅝ in.	3½ lbs.	$ 5.00
8S	Smooth	8 in	1¾ in.	3¾ lbs.	5.30
8SC	Corrugated	8 in.	1¾ in	3½ lbs.	5.50
84	Smooth	9 in	2 in	4⅛ lbs.	5.50
84C	Corrugated	9 in	2 in	3¼ lbs	5.80
84½	Smooth	10 in	2⅜ in	4½ lbs.	6 40
84½C	Corrugated	10 in.	2⅜ in.	4¾ lbs	6 70



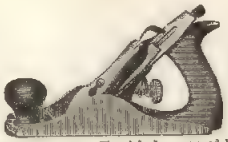
Jack

No.	Bottom	Length	Size cutter	Wt. each	Each
85	Smooth	14 in	2 in	4½ lbs.	6.40
85C	Corrugated	14 in.	2 in.	4½ lbs	6.70
85½	Smooth	15 in.	2¼ in	5 lbs.	7.50
85½C	Corrugated	15 in.	2¼ in	5 lbs.	8.00
	Fore				
86	Smooth	18 in	2⅜ in	7 lbs	8.50
86C	Corrugated	18 in.	2⅜ in	7 lbs	9.00
	Jointer				
87	Smooth	22 in	2⅜ in.	7½ lbs	10.00
87C	Corrugated	22 in.	2⅜ in.	7½ lbs	10.50
88	Smooth	24 in	2⅜ in	9¼ lbs	11 80
88C	Corrugated	24 in	2⅜ in	9¼ lbs	12.40

Japanned Trimmings

No.	Length	Size cutter	Wt. each	Each
89½	6 in.	1¾ in.	1½ lbs.	$2.80
815	7 in.	1¾ in.	1¾ lbs.	3.00

BAILEY



Japanned cast iron frames. Varnished rosewood handle and knob. Polished caps. Tempered, polished tool steel cutters.

Smooth

No.	Bottom	Length	Size cutter	Wt. each	Each
1	Smooth	5½ in	1¼ in	1¼ lbs	$ 4.10
2	Smooth	7 in.	1⅝ in.	2½ lbs.	5.40
3	Smooth	8 in	1⅝ in	3 lbs.	5.70
3C	Corrugated	8 in	1⅝ in	3 lbs	5 90
4	Smooth	9 in	2 in.	4 lbs.	6.00
4C	Corrugated	9 in	2 in.	4 lbs.	6.30
4½	Smooth	10 in.	2⅜ in.	5 lbs.	6.90
4½C	Corrugated	10 in.	2⅜ in	5 lbs	7.20

Jack

No.	Bottom	Length	Size cutter	Wt. each	Each
5	Smooth	14 in	2 in.	5 lbs.	6.90
5C	Corrugated	14 in	2 in.	5 lbs.	7.20
5½	Smooth	15 in.	2¼ in.	7 lbs.	8.20
5½C	Corrugated	15 in.	2¼ in.	7 lbs.	8.60
	Junior Jack				
5½	Smooth	11½ in.	1¾ in.	4 lbs.	6.40
	Fore				
6	Smooth	18 in.	2⅜ in	8 lbs	9.40
6C	Corrugated	18 in.	2⅜ in	8 lbs	9.80
	Jointer				
7	Smooth	22 in.	2⅜ in.	8 lbs	10.60
7C	Corrugated	22 in.	2⅜ in.	8 lbs.	11.10
8	Smooth	24 in.	2⅜ in.	9¾ lbs.	12.70
8C	Corrugated	24 in.	2⅜ in.	9¾ lbs	13.30

One in a cardboard box.

Japanned Trimmings

No.	Length	Size of cutter	Wt. each	Each
9½	6 in.	1⅝ in.	1½ lbs.	$3.00
15	7 in.	1⅝ in.	1⅝ lbs	3.40

One in a cardboard box.

Nickel Trimmings

No.	Length	Size of cutter	Wt. each	Each
16	6 in.	1⅝ in.	1½ lbs	$3.60
17	7 in	1⅝ in.	1⅝ lbs.	4.00

One in a cardboard box.

BLOCK PLANES

KNUCKLE JOINT

Nickel Trimmings

Japanned top. Polished face and sides. The throat can be quickly opened or closed for fine or coarse work by a movement of the cam lever at nose.

No.	Length	Size cutter	Wt. each	Each
818	6¼ in.	1⅝ in.	1⅝ lbs.	$3.50

One in a cardboard box

BAILEY

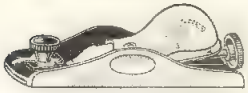
Nickel Trimmings

With screw, lever and throat adjustments.

No.	Lgth. over all	Size cutter	Wt. each	Each
18	6 in.	1⅝ in.	1½ lbs.	$4.30
19	7 in.	1⅝ in.	1⅝ lbs.	4.20

One in a cardboard box.

KNUCKLE JOINT—LOW ANGLE



Nickel Trimmings

No.	Lgth. over all	Size cutter	Wt. each	Each
865	7 in.	1½ in.	1½ lbs.	$3.50

One in a cardboard box.

STANLEY

Nickel Trimmings

No.	Length	Size of cutter	Wt. each	Each
65	7 in.	1⅝ in.	1½ lbs.	$4.40

One in a cardboard box.

LOW ANGLE—ADJUSTABLE THROAT

Nickel Trimmings

No.	Length	Size cutter	Wt. each	Each
860	6 in.	1⅛ in.	1¼ lbs.	$3.10

STANLEY

With screw adjustment, 12 degree angle. Adjustable throat

Nickel Trimmings

No.	Length	Size of cutter	Wt. each	Each
60	6 in.	1⅝ in.	1⅛ lbs.	$3.50

Japan Trimmings

No	Length	Size of cutter	Wt. each	Each
60½	6 in	1⅝ in	1¼ lbs	$3.30
65½	7 in.	1⅝ in	1½ lbs.	3.60

One in a cardboard box.

LOW ANGLE—NON-ADJUSTABLE THROAT

STANLEY

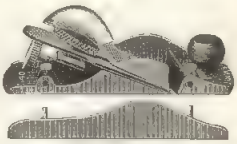
Nickel Trimmings

No.	Length	Size of cutter	Wt. each	Each
61	6 in	1⅝ in	1¼ lbs.	$3.60

One in a cardboard box.

RABBET AND BLOCK

STANLEY



Nickel Trimmings

With screw adjustment. Right side detachable to change to rabbet cutter, set on a skew.

No.	Size cutter	Lgth. over all	Wt. each	Each
140	1⅝ in.	7 in.	1⅛ lbs.	$4.10

One in a cardboard box.

IRON BLOCK PLANES

STANLEY

Japanned cast iron frames. Tempered and polished steel cutters. Toy size. With handle.

Not Adjustable

No.	Length	Size cutter	Wt. each	Each
100	3½ in.	1 in.	½ lb.	$0.80

One in a cardboard box.

Toy Size.

Not Adjustable

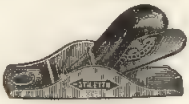
No.	Length	Size cutter	Wt. each	Each
S101	3½ in.	1 in.	⅝ lb.	$0.60

Six in a cardboard box.

STANLEY

No.	Length	Size cutter	Wt. each	Each
101	3½ in.	1 in.	⅝ lb.	$0.65

One in a cardboard box.



Not Adjustable

No.	Length	Size cutter	Wt. each	Each
S102	5½ in.	1¼ in.	⅞ lb.	1.10

One in a cardboard box.

STANLEY

Not Adjustable

No.	Length	Size cutter	Wt. each	Each
102	3½ in.	1⅝ in.	⅞ lb.	$1.15

Adjustable

No.	Length	Size cutter	Wt. each	Each
S103	5½ in.	1¼ in.	1 lb.	$1.50

STANLEY

Adjustable

No.	Length	Size cutter	Wt. each	Each
103	5½ in.	1⅝ in.	1 lb.	1.60

One in a cardboard box.

STANLEY

Adapted for manual training use. With screw adjustment.

No.	Length	Size of cutter	Wt. each	Each
205	5½ in.	1⅝ in.	1⅞ lbs.	$2.10

One in a cardboard box.

Not Adjustable

No.	Length	Size cutter	Wt. each	Each
S110	7½ in.	1¾ in.	1¼ lbs.	$1.50

STANLEY

Not Adjustable

No.	Length	Size of cutter	Wt. each	Each
110	7½ in.	1⅝ in.	1½ lbs.	$1.60

STANLEY

Adjustable

No.	Length	Size of cutter	Wt. each	Each
120	7 in.	1⅝ in.	1¾ lbs.	$2.50

One in a cardboard box

Adjustable

No.	Length	Size cutter	Wt. each	Each
S220	7 in.	1⅝ in.	1⅝ lbs.	$2.10

One in a cardboard box.

STANLEY

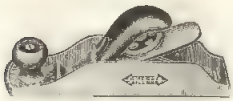
Adjustable

No.	Length	Size of cutter	Wt. each	Each
220	7⅛ in.	1⅝ in.	1½ lbs.	$2.40

One in a cardboard box

BLOCK PLANES

DOUBLE END



Not Adjustable

No.	Length	Size cutter	Wt. each	Each
S130 ..	8 in	1⅝ in.	1¾ lbs ..	.$2.20

One in a cardboard box.

Not Adjustable

No.	Length	Size of cutter	Wt each	Each
130 . .	8 in . . .	.1⅝ in.	2 lbs.. .	$2 .1

One in a cardboard box

With Screw Adjustment

No.	Length	Size of cutter	Wt. each	Each
131	.....8 in.. . .	. 1⅝ in.....,1¾ lbs		.$3 90

One in a cardboard box.

Note—Nos. 130 and 131 have 2 slots and 2 cutting seats. They can be used as block planes, or, by reversing the position of the cutter be used as a bull nose plane, cutting into corners or places difficult to be reached with any other plane

GAGE SELF-SETTING

Self-setting feature lies in the fact that the plane iron if taken out to be honed or sharpened goes back in exactly the same position as before removal. Likewise the plane cap, when taken out to allow removal of cutter, goes back in same position

Smooth

No.	Length	Size cutter	Wt. each	Each
64	.....9 in.....2 in.....3 lbs...			.$7 00

Jack

65	.....15 in.....2 in.....4¼ lbs.....			$8.00

Fore

66 ...	18 in...	2¼ in .	5¾ lbs .	$10.50

One in a cardboard box.

IRON BED ROCK

SMOOTH

Japanned cast iron frames. Varnished rosewood handles and knobs. Polished caps. Tempered and polished tool steel cutter. Screw and lever adjustments. Designed so that the entire bottom or face on frog rests solidly on seat of frame, and can be adjusted for wide or narrow throat openings.

No.	Length	Size cutter	Wt. each	Each
602	.....Smooth	7 in.. .1⅝ in.	....2¼ lbs	$ 5.80
603	Smooth	8 in.....1⅝ in..	.3½ lbs	6 20
603C	.. ..Corrugated	8 in... 1⅝ in	4½ lbs	6 70
604	. Smooth . ..	9 in. 2 in.	4½ lbs.	7 00
604C	Corrugated	9 in 2 in	4½ lbs	7 10
604½	.. . Smooth	10 in 2⅜ in	5 lbs	7 80

SMOOTH BOTTOM

Jack

No.	Length	Size cutter	Wt each	Each
605	....Smooth ...	14 in 2 in	5¾ lbs	7.80
605C	Corrugated	14 in. 2 in	5¾ lbs	8.30
605½	Smooth .....15 in....	2¼ in....	6⅝ lbs....	8.90
605½C	.Corrugated . . .15 in...	.2¼ in....	6⅝ lbs...	9.40

Fore

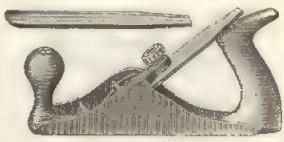
606	...Smooth , ...18 in.....2⅜ in.....7½ lbs....			10.20
606C	. Corrugated ....18 in.....2⅜ in.....7½ lbs....			10.70

Jointer

607	.....Smooth .....22 in.....2⅜ in. .8¾ lbs.			11 70
607C	.....Corrugated ....22 in.. 2⅜ in. . 8¾ lbs ..			12 20
608	.....Smooth .....24 in.....2⅜ in.....9¾ lbs.			13.80
608C	... .Corrugated .. 24 in. .2⅜ in . .10¾ lbs.			14 60

One in a cardboard box.

IMPROVED SCRUB



Iron stock. Japanned trimmings. Single iron, with the cutting edge rounded, and is particularly adapted for roughing down work before using a jack or other plane

No.	Length	Cutter	Wt. each	Each
40	.....9½ in.	1⅝ in	2½ lbs	$3 50

MISCELLANEOUS PLANES

STANLEY

CARRIAGE MAKERS RABBET

For heavy framing in mining work, carriage or wagon building or work of similar nature.

No.	Cutter	Lgth. over all	Wt. each	Each
10½	2⅛ in.	9 in.	3 lbs.	$7.40
10	2⅛ in.	13 in.	4½ lbs.	9.00

One in a cardboard box.

LOW ANGLE

This plane is especially adapted for use in cutting across grain on heavy work. The cutter is adjustable and set at an angle of 12 degrees. Adjustable throat. Varnished rosewood handle and knob.

No.	Cutter	Lgth. over all	Wt. each	Each
62	2 in.	14 in.	3⅝ lbs.	$7.80

One in a cardboard box.

ADJUSTABLE CIRCULAR

By means of the graduated scale on the gears, the flexible steel face can be easily shaped to any required arc, either concave or convex, by turning the knob on the front of the plane.

No.	Cutter	Lgth. over all	Wt. each	Each
113	1¾ in.	10 in.	4 lbs.	$10 30

One in a cardboard box

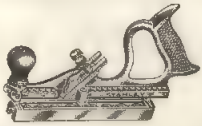
VICTOR CIRCULAR

This is a more recent and improved design. The face is fastened at each end to the plane body, and adjusted by a screw at the center. Nickel plated.

No.	Cutter	Lgth. over all	Wt. each	Each
20	1¾ in.	10 in.	4 lbs.	$12.50

One in a cardboard box

SWINGING FENCE MATCH



Has two plow cutters of the same width, and one extra wide cutter. The fence in one setting exposes two cutters for cutting the tongue, and, when reversed, leaves only one exposed for cutting the groove. On thicker boards than the plane works on center, the extra wide cutter is substituted for groove cutter when cutting tongue. Nickel plated. Rosewood knobs.

No.	Cuts grooves	On boards	Centers on	Wt. each	Each
48	⅛ in.	¾ to 1¼ in.	⅞ in.	3¾ lbs.	$7.40
49	⅛ in.	½ to ¾ in.	½ in.	2⅝ lbs.	7.80

One in a cardboard box.

DOUBLE END MATCH

Provided with both tongue and groove irons. With one side a tongue can be cut, and by reversing ends the plane will cut a groove to fit. The tonguing tools are made wider on one side for use on thicker stuff than the plane will tongue and groove in the center.

No.	Cuts groove	On boards	Centers on	Wt. each	Each
148	¼ in.	⅝ to 1 in.	⅞ in.	2⅝ lbs.	$6.20

One in a cardboard box.

DOVETAIL TONGUE AND GROOVE

Cuts both tongue and groove for dovetail work. Four cutters are furnished with each plane, three of which are for cutting grooves of different sizes and one for cutting tongues of any size. Complete instructions for operating accompany each plane. Nickeled.

No.	Length	Wt. each	Each
444	9 in	6½ lbs.	$15.20

One in a cardboard box.

PIANO MAKERS EDGE

A useful tool for piano makers and all cabinet workers, for trimming inside work where space prevents the use of any other plane. Screw adjustment.

No.	Cutter	Lgth. over all	Wt. each	Each
97	2¼ in.	10 in.	3¾ lbs.	$6.30

One in a cardboard box

MISCELLANEOUS PLANES

STANLEY

BULL NOSE RABBET

Japanned trimmings. Not adjustable

No.	Cutter	Length over all	Wt. each	Each
75	1 in.	4 in.	¾ lb.	$1.10

One in a cardboard box.

CABINET MAKERS RABBET

Plane will lie perfectly flat on either side and can be worked either right or left hand. Has adjustable throat and handy grip Nickel plated. With screw adjustment

No.	Cutter	Lgth. over all	Wt. each	Each
90	1 in.	4 in	1 lb	$5.40

One in a cardboard box.

Nickel plated. With screw adjustment.

No.	Cutter	Lgth. over all	Wt. each	Each
92	¾ in.	5½ in.	1¾ lbs.	$5 50

Nickel plated. Without screw adjustment.

No.	Cutter	Lgth. over all	Wt. each	Each
93	1 in.	6½ in.	1¾ lbs.	$6.50
94	1¼ in.	7½ in.	2 lbs.	7 50

One in a cardboard box

Note No. 92 planes are designed for fine cabinet work where extreme accuracy is required. The sides and bottom being square with each other, the plane will lie perfectly flat on either side, and can be used right or left.

SIDE RABBET

Used for side rabbeting and trimming dadoes, moulding and grooves of all kinds. The reversible nose piece gives the tool a form by which it will work close into the corners

No.		Cutter	Lgth. over all	Wt. each	Each
98	Right hand	⅛ in.	4 in.	⅛ lb.	$3.00
99	Left hand	⅛ in.	4 in.	⅛ lb.	3 00

One in a cardboard box.

EDGE TRIMMING

For trimming or smoothing the edge of boards for a square or close fit. The cutter works on a skew. Wood blocks of various bevels may be attached enabling the user to make a slanting cut. Japanned

No	Cutter	Length over all	Wt. each	Each
95	⅞ in	6 in	1¼ lbs	$2 60

One in a cardboard box

RABBET AND FILLETSTER

The arm to which the fence is secured can be screwed into either side of the stock, thus making a superior right or left hand fillet-ster, with adjustable spur and depth gauge. Remove the arm to which the fence is secured, making a handled rabbet plane, and with two seats for the cutter, so that the tool can be used as a bull-nose rabbet if required

No	Cutter	Length over all	Wt. each	Each
78	1½ in.	8½ in.	3 lbs.	$4.70

One in a cardboard box.

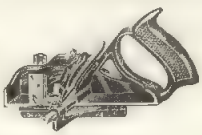
IMPROVED RABBET

Will lie perfectly flat on either side, and can be used right or left hand equally well, while planing into corners or up against perpendicular surfaces Fitted with a depth gauge. Improved rabbet and spur, permitting using across grain. With spur cutter

No.	Cutter	Length over all	Wt. each	Each
190	1½ in	8 in.	2¾ lbs	$4 20
191	1¾ in	8 in	2¼ lbs.	3 90
192	1 in	8 in	2 lbs	3 60

One in a cardboard box

SKEW CUTTER, FILLETSTER AND RABBET



Tempered and polished tool steel cutters. Equipped with a fence which can be attached to either side of the plane so that it can be used either right or left hand.

No	Cutter	Lgth. over all	Wt. each	Each
289	1¾ in	8½ in.	4 lbs.	$5.50

One in a cardboard box.

MISCELLANEOUS PLANES

STANLEY

RABBET AND FILLETSTER

Adjustable fence slides under the bottom, regulating the width of cut. Fitted with two spurs, one on each side, and it also has an adjustable depth gauge. Cutter is adjustable endwise.

No.	Cutter	Lgth. over all	Wt. each	Each
278	1 in	6¾ in	2 lbs.	$4.40

One in a cardboard box.

IMPROVED DADO

Cutter is set on a skew. Fitted with adjustable depth gauge and two adjustable spurs.

No. 39—

Cutter	Length over all	Wt. each	Each
¼ in	8 in	2 lbs	$4.10
⅜ in	8 in	2 lbs	4 30
½ in	8 in	2 lbs	4 50
⅝ in	8 in	2¼ lbs	4.80
¾ in	8 in	2½ lbs	5.00
⅞ in	8 in	2½ lbs	5 20
1 in	8 in	2½ lbs	5 50

One in a cardboard box.

DADO FILLETSTER AND MATCHING

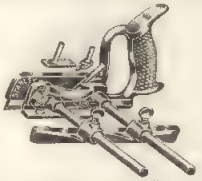
Skew cutters are the feature of this plane. It consists of a main stock carrying a spur, a depth gauge and a slitting cutter, a sliding section carrying a spur and forming an extra sole for the plane and a fence (rosewood face) which can be set for either plow or filletster work. It has a rosewood knob and handle. Nickel plated.

The cutters comprise 8 plow and dado bits, 3/16, ¼, 5/16, ⅜, ½, ⅝, ⅞ and 1¼ inches; a 1½-inch filletster cutter; a ¼ inch tonguing tool and a slitting cutter.

No.	Length	No. cutters	Wt. each	Each
46	10½ in.	11	5¾ lbs.	$15.10

One in a cardboard box.

COMBINED BEADING AND MATCHING



By adjustment of the fence, center beading can be done up to 5 inches from the edge of a board. Except for working across the grain the spurs need not be used. The cutters comprise 7 plow and dado bits, ¼, 5/16, ⅜, 7/16, ½, ⅝ and ⅞-inch; 7 beading tools, ⅛, 3/16, ¼, 5/16, ⅜, ⅝ and ½-inch, and a ¼-inch tonguing tool.

Nickeled stock and fence.

No.	Lgth. over all	Wt. each	Each
50	9½ in	4 lbs.	$11.70

One in a cardboard box.

OPEN THROAT ROUTER

For surfacing the bottom of grooves or other depressions parallel with the general surface of the work. Open throat. Bottom designed so that an extra wooden bottom of any size desired can be screwed on, enabling routing on large openings. Nickeled.

No.	Cutter	Lgth. over all	Wt. each	Each
71	¼, ½ in.	7½ in.	2⅝ lbs.	$5.60

CLOSED THROAT ROUTER

Same as No. 71, but with closed throat.

No.	Length	Cutter	Wt. each	Each
71½	7½ in.	¼-½ in.	2⅛ lbs	$4 40

One in a cardboard box.

UNIVERSAL HAND BEADERS

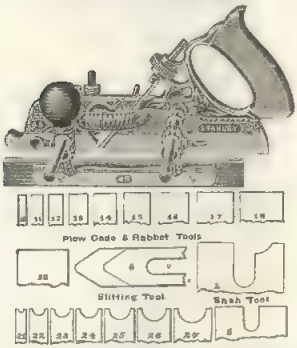
For beading, reeding or fluting straight or irregular surfaces and for light routing. With each beader are furnished a square gauge for straight work and an oval gauge for curved work. Also furnished eight cutters sharpened at both ends as follows: 6 single beads, 1/8, 3/16, ¼, 5/16, ⅜ and ½ inches; 2 fluting tools, 7/16 and ¾ inches; 4 reeding tools (2 beads 7/16-inch, 3 beads ¼-inch and 3 beads ½-inch, and 4 beads ½-inch), 2 routers ⅜ and ¼-inch, and a ⅝-inch blank, which latter cutter the owner can file up as he desires. Curved handles.

No.	No. of cutters	Wt. each	Each
66	8	1⅜ lbs.	$2 30
			Each
Extra cutters or blanks			$2.60

One in a cardboard box.

PLANES

STANLEY FORTY-FIVE



This plane combines a main stock and a sliding section so arranged that cutters of different width can be used. Each plane is fitted with adjustable fence or guide and a depth gauge, and also with spurs for use in working across the grain. This plane can be used right or left hand.

This plane embraces (1) beading and center beading plane; (2) rabbet and fillstster; (3) dado; (4) plow; (5) matching plane, (6) sash plane, and (7) a superior slitting plane.

Each plane has 7 beading tools, 1/8, 5/32, 3/16, 1/4, 5/16, 3/8, 7/16 and 1/2-inch, 10 plow and dado bits, 1/8, 5/32, 3/16, 1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4 and 7/8-inch, a sash tool, a match tool, slitting and fillstster tool

Nickel plated .Complete with 21 tools, bits, etc.

No.	Wt each	Each
45	9½ lbs	$31 60

One in a steel box

NOSING TOOLS

For Plane No. 45

Nosing tool, 1¼ inches (attachment same as hollows and rounds).

No	Each
5	$2.70
Extra cutters	1.50

One in a box

REEDING TOOLS

For Plane No. 45.

Size of beads either 1/8, 5/32 or ¼-inch

No. beads	Each
2	$0.70
3	1.00
4	1.30
5	1 60

In ordering, always state size and number of beads wanted.

HOLLOWS AND ROUNDS

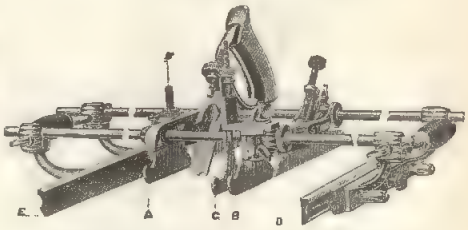
For Plane No. 45.

Order only by numbers.

No.	Width cutter	Works circles	Wt. per pair	Per pair
6	1/2 in	¾ in.	1¾ lbs	$3.50
8	5/8 in	1 in.	1¾ lbs	3 50
10	¾ in.	1¼ in.	2 lbs	3 80
12	1 in	1½ in	2¼ lbs	3 80
				Each
Extra cutters				$1 50

One pair in a box.

STANLEY FIFTY-FIVE



Can be used for all lines of work covered by a full assortment of so-called fancy planes.

The 52 cutters are arranged in 4 separate cases

This plane consists of:

A main stock (A) with 2 set screws of tranverse sliding arms a depth gauge (F) adjusted by a screw, and a slitting cutter with stop.

A sliding section (B) with a vertically adjustable bottom.

The auxiliary center bottom (C) is to be placed in the front of the cutter, as an extra support, or stop, when needed. This bottom is adjusted both vertically and laterally

Fences (D) and (E). Fence D has a lateral adjustment by means of a screw for extra fine work. The fences can be used on either side of the plane and the rosewood guides can be tilted to any desired angle, up to 45 degrees, by loosening the screws on the face. Fence E can be reversed for center beading wide boards.

An adjustable stop to be used in beading the edges of matched boards is inserted on left hand side of sliding section (B)

Nickel plated, with 52 tools, bits, etc.

No.	Wt each	Each
55	15 lbs	$46 50

One in a steel box

PLANE HANDLES

FORE OR JOINTER

Plain finish beechwood. To fit fore or jointer planes.

No.	Wt. per doz.	Per doz.
F. J.	3 lbs	$4 70

One dozen in a cardboard box.

JACK

Plain finish beechwood. To fit jack planes

No.	Wt. per doz.	Per doz.
J.	3 lbs	$2 90

One dozen in a cardboard box.

PLANE HANDLES

STANLEY

Polished rosewood. To fit Bailey's Plane No. 2.

No.	Wt per doz.	Per doz.
2	2 lbs	$6 50

One dozen in a cardboard box

Polished rosewood. To fit Bailey's Planes Nos. 3 and 4.

3	2 lbs	$6 50

One dozen in a cardboard box

Polished rosewood. To fit Bailey's Planes Nos. 4½, 5, 5½, 6 7 and 8

No.	Wt per doz	Per doz.
5	2 lbs	$6.50

One dozen in a cardboard box.

Polished beechwood. To fit Bailey's Planes Nos. 26 to 37 and Stanley's Nos. 127, 129 and 132.

No.	Wt per doz.	Per doz.
26	2 lbs	$3.40

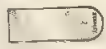
One dozen in a cardboard box.

PLANE IRONS

FOR BLOCK PLANES

—Stiletto—, STANLEY AND BAILEY

Adjustable



Non-Adjustable

No.	Width	Wt doz	Per doz.
1B	1 in	1 lb	$ 3 25
2B	1¾ in	1¼ lbs	3 70
3B	1⅞ in	1¾ lbs	6.00
4B	1⅝ in	1½ lbs	7 20
5B	1⅝ in	1½ lbs	8 40
6B	1¾ in	1¾ lbs	9.50
7B	2 in	2½ lbs	15 20

One half dozen in a box

FOR "GAGE" IRON AND WOOD PLANES

No	Width	Wt doz	Per doz
1G	1¾ in	1¾ lbs	$12 00
2G	2 in	2½ lbs	14 40
3G	2¼ in	3 lbs	15.60
4G	2½ in	3½ lbs	18 00

One-half dozen in a box.

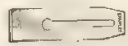
PLANE IRONS

FOR ADJUSTABLE IRON OR WOOD PLANES

In Ordering, Specify for Iron or Wood Planes

SINGLE

—Stiletto—, Bailey and Bed Rock



No	Width	Wt doz.	Per doz
1S	1¼ in	1¼ lbs	$ 3 40
2S	1⅝ in	2 lbs	10 80
3S	1¾ in	2¼ lbs	12 00
4S	2 in	2¾ lbs	12 00
5S	2⅛ in	3⅛ lbs	12.00
6S	2¼ in	3½ lbs	14.40
7S	2⅜ in	4 lbs	14.40
8S	2⅝ in	4⅜ lbs	15 60

One-half dozen in a box

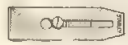
Backs Ground Sharp

No. 5S— Width	Wt doz.	Per doz
1½ in	4⅜ lbs	$ 9.50
1⅝ in	5 lbs	9 70
1¾ in	5¼ lbs	9 90
1⅞ in	5½ lbs	10.70
2 in	6 lbs	11 30
2⅛ in	6⅜ lbs	11 70
2¼ in	6¾ lbs	13.30
2⅜ in	7¼ lbs	14 70
2½ in	8½ lbs	15 50
2⅝ in	12 lbs	17.30

One half dozen in a box.

DOUBLE

—Stiletto—, Bailey and Bed Rock



No	Width	Wt doz.	Per doz
1D	1¼ in	2½ lbs	$14.40
2D	1⅝ in	3¼ lbs	15 60
3D	1¾ in	4½ lbs	18.00
4D	2 in	5¼ lbs	20.40
5D	2⅛ in	6¼ lbs	20 40
6D	2¼ in	7 lbs	22 80
7D	2⅜ in	7½ lbs	24.00
8D	2⅝ in	8 lbs	26 40

One dozen in a cardboard box

Backs—Ground Sharp

No. 6D Width	Wt doz.	Per doz.
1 in	5 lbs	$18.00
1¼ in	6 lbs	18.00
1⅜ in	6¾ lbs	18 00
1½ in	7 lbs	18.20
1⅝ in	7¼ lbs	18.20
1¾ in	7⅝ lbs	18.80
1⅞ in	8½ lbs	20.00
2 in	9½ lbs	20 60
2⅛ in	10 lbs	21 40
2¼ in	11 lbs	23 40
2⅜ in	12 lbs	25 60
2½ in	12¾ lbs	27.20
2⅝ in	13½ lbs	29 60

One-half dozen in a box.

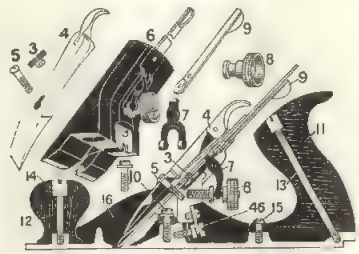
PLANE IRONS USED ON Stilletto, STANLEY, BAILEY AND BED ROCK PLANES

Stilletto or Stanley Plane No.	Size iron	Plane iron No.
1	1¼ in	1S or 1D
2	1⅝ in.	2S or 2D
3	1¾ in	3S or 3D
3C	1⅞ in.	3S or 3D
3½	1⅞ in.	1G
4	2 in.	4S or 4D
4C	2 in	4S or 4D
4½	2 in	2G
4½C	2⅛ in	7S or 7D
5	2 in	7S or 7D
5C	2 in	4S or 4D
5½	2 in	2G
5½C	2⅛ in	7S or 7D
6	2⅜ in	7S or 7D
6C	2⅜ in	7S or 7D
6½	2¼ in	3G
7	2⅜ in	7S or 7D
7C	2⅜ in	7S or 7D
7½	2½ in	4G
8	2⅝ in	8S or 8D
8C	2⅝ in	8S or 8D
9	2 in	4S or 4D
9½	1⅝ in	4B
9¾	1⅝ in	4B
10	2⅛ in	5S or 5D
10¼	2⅛ in	5S or 5D
10½	2⅛ in.	5S or 5D
11	2⅜ in	7S or 7D
15	1⅝ in	4B
15½	1⅝ in	4B
16	1⅝ in	4B
17	1⅝ in	4B
18	1⅝ in	4B
19	1⅝ in	4B
20	1¾ in	3S or 3D
21	2⅜ in	7S or 7D
22	1⅞ in	3S or 3D
G22	1¾ in	1G
24	2 in	4S or 4D
25	1⅞ in	3S or 3D
26	2 in	4S or 4D
G26	2 in	2G
27½	2⅛ in	6S or 6D
G27¼	2¼ in	3G
28	2⅜ in	7S or 7D
G28	2¼ in	3G
G30	2¼ in	3G
G31	2⅜ in	4G
32	2⅜ in	8S or 8D
35	2 in	4S or 4D
G35	2 in	2G
36	2⅜ in	7S or 7D
G36	2½ in	3G
37	2⅝ in	8S or 8D
60	1⅜ in	2B
60½	1⅜ in	2B
61	1⅜ in	2B
62	2 in	7B
63	1⅝ in	4B
64	2 in.	7B
64 Spec	2 in	8B
65	1⅝ in	4B
65½	1⅝ in	4B
100	1 in	1B
101	1 in	1B
102	1⅜ in.	3B
103	1⅜ in	3B
110	1⅝ in	5B
113	1⅜ in	3S or 3D
120	1⅝ in	4B
130	1⅝ in	5B
131	1⅝ in	4B
140	1⅝ in	6B
203	1⅜ in	2B
220	1⅝ in	4B
602	1⅝ in	2S or 2D
603	1¾ in	3S or 3D
603C	1¾ in	3S or 3D
604	2 in.	4S or 4D
604C	2 in	4S or 4D
604½	2⅜ in	7S or 7D
604½C	2⅜ in	7S or 7D
605	2 in	4S or 4D
605C	2 in	4S or 4D
505½	2¼ in	6S or 6D
605½C	2¼ in	6S or 6D
606	2⅜ in	7S or 7D
606C	2⅜ in	7S or 7D
607	2⅜ in	7S or 7D
607C	2⅜ in	7S or 7D
608	2⅝ in	8S or 8D
608C	2⅝ in	8S or 8D

PARTS FOR PLANES

In ordering, care should be taken to always give the number of the plane for which the part is wanted.

BAILEY IRON PLANES

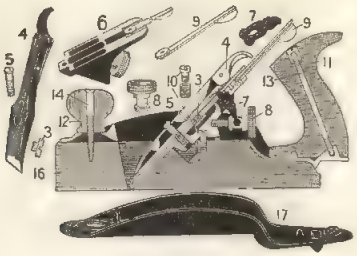


No.	Name of part	No. of Plane	1 2	3 3c	4 4c	4½ 4½c	5 5c	5½ 5½c	6 6c	7 7c	8 8c
3	Cap screw		$0 10)								
4	Lever cap		50)								
5	Lever cap screw		10)								
6	Frog complete		70)								
7	Y adjusting lever		10)								
8	Adjusting nut		.20)								
9	Lateral adjusting lever		.20)			For all numbers					
10	Frog screw		10)								
11	Plane handle		40)								
12	Plane knob		30)								
13	Handle bolt and nut		.20)								
14	Knob bolt and nut		.20)								
15	Plane handle screw						10	.10	10	10	.10
16	Plane bottom		1.70	2.00	2 00	2.40	2.40	2 40	3 30	4 70	5.70
46	Frog adjusting screw		.10	.10	.10	10	10	.10	10	10	10

Add 10 per cent for corrugated bottoms.

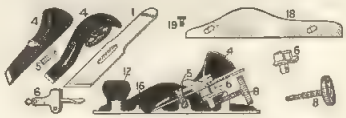
PARTS FOR PLANES

BAILEY WOOD PLANES



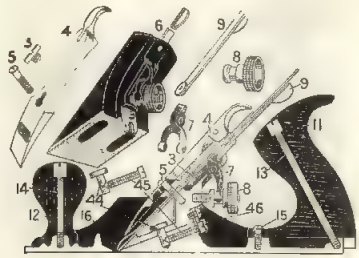
No.	Name of part	No. of Plane	22	24-25 35	26	27½	26	31	32	36	37
3	Cap screw		$0.10)								
4	Lever cap		.40)								
5	Lever cap screw		.10)								
6	Frog complete		.60)								
7	Y adjusting lever		.10)			For all numbers					
8	Adjusting nut		.20)								
9	Lateral adjusting lever		.20)								
10	Frog screw and bushing		.20)								
11	Plane handle			20	20	20	.20	.20	.20	.20	.20
12	Plane knob		.20	.20	.20	.20	.20	.20	.20	.20	.20
13	Handle bolt and nut			20	20	.20	.20	.20	.20	.20	.20
14	Knob screw		.10	10	10	10	.10	.10	.10	.10	.10
16	Plane bottom		.80	.80	1 00	1.00	1.40	1.60	1.70	1.00	1.40
17	Top casting		.40	40	40	.40	.40	.40	.40	.40	.40

STANLEY BLOCK PLANES



No.	Name of part	No. of Plane	100 101	102 103	110	120	130	131	140	203	220
1	Single plane iron										
4	Lever cap		.80	10. .20	.20	.20	20	.20	.20	.20	.20
5	Lever cap screw							.10	.10	.10	.10
6	Frog complete					.30		.30	.20	.20	.20
8	Adjusting nut							20	.20	.20	.20
12	Plane knob				.20	.20	.20	.30	.30	.30	.30
16	Plane bottom		20	40	.50	60.	70	1 40	1.50	.50	.60
18	Detachable side								.50		
19	Side screw, pair								.20		

PARTS FOR PLANES

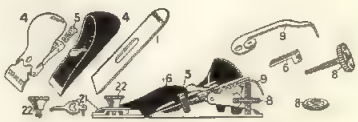


BED ROCK PLANES

No	Name of part	No. of Plane	602	603 603c	604 604c	604½ 604½c	605 605c	605½ 605½c	606 606c	607 607c	608 608c
3	Cap screw		$0.10)								
4	Lever cap		60)								
5	Lever cap screw		.10)								
6	Frog complete		1.00)								
7	Y adjusting lever		.10)								
8	Adjusting nut		.20)	For all numbers							
9	Lateral adjusting lever		.20)								
11	Plane handle		.40)								
12	Plane knob		.30)								
13	Handle bolt and nut		20)								
14	Knob bolt and nut		.20)								
15	Plane handle screw					10.	.10	.10.	.10	.10	.10
16	Plane bottom		2 20.	2 50.	2.50	3 00.	3 00.	3 20.	4 40	6.20.	7.00
44	Frog pin		.20.	.20	.20.	.20	.20	20	.20.	.20.	.20
45	Frog clamping screw		.10.	.10	.10.	.10.	.10.	.10.	10.	10.	.10
46	Frog adjusting screw		.10	.10	10.	10.	.10.	.10.	10	10	.10

Add 10 per cent for corrugated bottoms.

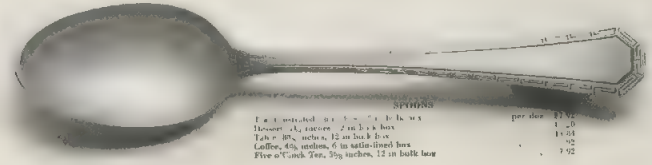
BAILEY AND STANLEY BLOCK PLANES



No.	Name of part	No. of Plane	9½ 9¾	15 15½	16 17	18 19	60 60½	62	63	65	65½
1	Single plane iron		See page on Plane Irons Only								
4	Lever cap		.20	.20	.30	.40	.30.	30	.30.	40	20
5	Lever cap screw		.10.	.10	.10	.10	.10.	.10	.10.	.10.	.10
6	Frog complete						.20.	.20.	.20.	20	.20
7	Adjusting lever		.10.	.10	10	.10					
8	Adjusting nut		.20.	.20.	.30.	.20.	.20	.20.	.20.	.20.	20
9	Lateral adjusting lever		.20.	.20	.20.	.20.					
11	Plane handle		.50.	.50				.60.			
16	Plane bottom		1 40	1.50	1.50	1.50	1.20	3.50.	1.00.	1.50	1.50
21	Eccentric plate		.20	.20	20	.20	.20.	20.	.20.	.20	.20
22	Finger rest knob		.20	.20	.20.	.20	20	.30.	.20.	.20.	.20

THE ATHENA

The Athena Pattern, in "1835 R. Wallace" Heaviest Silver Plate, embodies the strength, grace and beauty that was characteristic of the Greece of by-gone days. The simple, harmonious lines, in combination with refined ornamentation, give the pattern an atmosphere of quality that is borne out in practical use. The finish is bright.



SPOONS

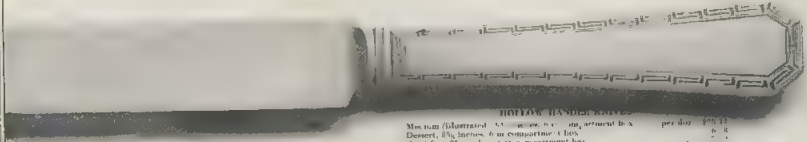
	per doz.
Dessert, 7¼ inches, 12 in box	$ 9.00
Tea, 6⅛ inches, 12 in box	6.50
Coffee, 4⅝ inches, 6 in satin-lined box	4.84
Five o'Clock Tea, 5⅝ inches, 12 in box	9.00
	7.92

FLAT HANDLE FORKS

	per doz.
Medium, 7⅞ inches, 12 in box	$15.00
Dessert, 7¼ inches, 12 in box	13.00
Tea, 6¼ inches, 12 in box	11.00

SOLID HANDLE FORKS

	per doz.
Medium, 7⅞ inches, 6 in packed box	$ 24.00
Dessert, 7⅜ inches, 6 in packed box	12.00

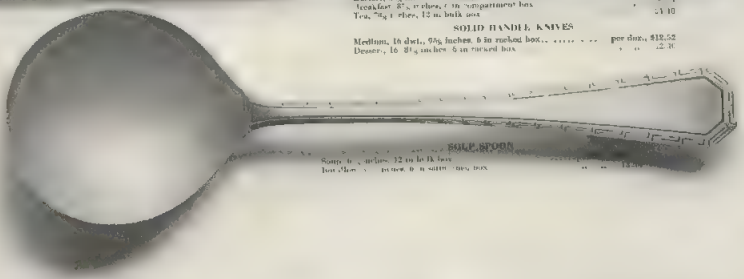


HOLLOW HANDLE KNIVES

	per doz.
Medium (illustrated), 9¾ inches, 6 in assorted box	$16.00
Dessert, 8⅝ inches, 6 in compartment box	14.00
Steak for, 8⅝ inches, 6 in compartment box	14.00
Tea, 7⅝ inches, 12 in bulk lot	24.00

SOLID HANDLE KNIVES

	per doz.
Medium, 10 dwt., 9⅞ inches, 6 in packed box	$12.50
Dessert, 10 dwt., 8¼ inches, 6 in packed box	12.00



SOLID SPOONS

Soup, 8 inches, 12 in box	$ 24.00
Bouillon, 5 inches, 6 in satin-lined box	12.00

Illustrations actual size

Gilding 25 per cent extra

1847 ROGERS BROS.

RETAIL PRICE CARD WITH EACH SET

ANNIVERSARY PATTERN ILLUSTRATED

NO CHARGE FOR THIS CHEST

Anniversary Gift Set for Price of the Silverplate Alone

No. 4722/1	26-Piece Anniversary Set . $29.38	No. 4722/3	With Flat Handle Forks . . $32.50
6	Tea Spoons	No. 4722/5	With Modeled Handle Knives (Ambassador) 30.84
6	Table Spoons	No. 4722/9	With Hollow Handle Knives and Flat Handle Forks 40.84
6	Embossed Solid Handle Dinner Knives		
6	Embossed Solid Handle Dinner Forks		
1	Sugar Shell		
1	Butter Knife		

Twenty-six Pieces in Blue Silk Velvet Lined Chest

BE

6-6-22

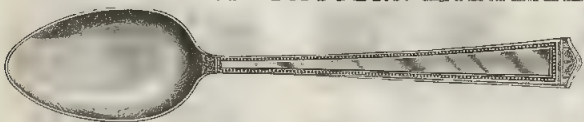
INTERNATIONAL SILVER CO.

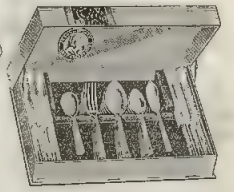
"1847" ROGERS BROS. TABLE FLATWARE

"ANNIVERSARY" PATTERN

Exquisite pattern in gray finish. The latest design of this well known and famous make.

Unlimited Guarantee





Spoons

Tea Spoons—
J6400—½ doz. in box ... Doz. $4.40
Dessert Spoons—
J6401—½ doz. in box ... Doz. $8.50
Table Spoons—
J6402—½ doz. in box ... Doz. $8.80
Soup Spoons
J6408—Round bowl ½ doz. in blue velvet lined box. Doz. $9.40

Knives and Forks

Medium Forks
J6404—Flat handle. ½ doz. in box ... Doz. $8.80
Medium Knives
J6163—Solid handle. ½ doz. in box ... Doz. $5.80
J6486—Hollow handle. ½ doz. in flannel roll ... Doz. $13.80
J6407 Hollow handle, stainless blades. ½ doz. in flannel roll ... Doz. $15.00
Knife and Fork Set—
J6418 6 hollow handle knives 6 flat handle forks in box ... SET (12 pcs.) $11.30

Fancy Pieces

Butter Spreaders—
J6405—½ doz. in blue velvet lined box ... Doz. $7.20
Salad Forks—
J6409 ½ doz. in blue velvet lined box ... Doz. $8.80
Butter Knife—
J6410 Each in blue velvet lined box ... Each, 89c
Sugar Shell—
J6411 Each in blue velvet lined box ... Each 79c
Iced Tea Spoons—
J6412 ½ doz in blue velvet lined box ... Doz $7.10
Cold Meat Fork—
J6413 Each in blue velvet lined box ... Each, $1.17
Berry Spoon—
J6414—Each in blue velvet lined box ... Each, $1.80
Gravy Ladle—
J6415—Each in blue velvet lined box ... Each, $1.40
Tomato Server—
J6416—Each in blue velvet lined box ... Each, $2.00
Pie Server—
J6417—Hollow handle. Each in blue velvet lined box ... Each, $2.87

Anniversary Sets

Anniversary 26 Pc. Set—Velvet lined chest free, 6 dinner knives, 6 flat handle dinner forks, 6 tea spoons, 6 table spoons, 1 sugar shell, 1 butter knife. Each in 13x10½ velvet lined display box.

J6419—With solid handle knives. SET (26 pcs.), $15.58

J6420—With hollow handle knives. SET (26 pcs.) $19.58

"OLD COLONY" PATTERN

FRENCH gray handles bright finish bowls and tines. Beveled edged handles. A design that appeals to buyers of fine silverware.

Unlimited Guarantee

SPOONS

Tea Spoons
J6232—½ doz. in lined box ... Doz $4.40
Dessert Spoons—
J6233—½ doz. in lined box. Doz. $8.50
Table Spoons—
J6234—½ doz. in lined box ... Doz $8.80
Iced Tea Spoons—
J6242—½ doz. in blue velvet lined box ... Doz. $7.10
Soup Spoons—Round bowl
J6247—½ doz. in blue velvet lined box ... Doz. $9.40
Berry Spoon—
J6245—Each in blue velvet lined box. Each, $1.80
Knife and Fork Set—
J6304—6 hollow handle knives, 6 flat handle forks. Idea in box ... Doz. $11.30
Anniversary 16 Pc. Salad or Dessert Set—Salad spoon and 1 salad fork with olive wood bowl. 1 pie or ice cream server, 1 cheese server, 6 ice cream forks, 6 individual salad forks.
J6235—Each set in 13x10½ velvet lined display box ... SET (16 pcs.) $16.78

KNIVES AND FORKS

Medium Knives—
J6233—Solid handle (16 dwt.) ½ doz. in box ... Doz $5.80
J6230—Hollow handle. ½ doz. in roll ... Doz $13.80
Medium Forks—
J6239 Solid handle (16 dwt.) ½ doz. in box ... Doz. $5.80
J6232 Flat handle. ½ doz in box ... Doz $5.80
J6231—Hollow handle. ½ doz. in roll ... Doz $13.80

FANCY PIECES

Butter Spreaders—
J6240—½ doz. in blue velvet lined box ... Doz $7.20
Salad Forks—
J6241 ½ doz. in blue velvet lined box ... Doz. $8.80
Sugar Shell—
J6243—Each in blue velvet lined box. Each, 79c
Butter Knife—
J6244—Each in blue velvet lined box ... Each, 89c
Cake Fork—
J6246 Each in blue velvet lined box ... Each, $1.17
Cold Meat Fork
J6246—Each in blue velvet lined box ... Each, $1.17
Gravy Ladle—
J6247 Each in blue velvet lined box ... Each, $1.40

Anniversary 26 Pc. Set—Velvet lined chest free, 6 dinner knives, 6 flat handle dinner forks, 6 tea spoons, 6 table spoons, 1 sugar shell, 1 butter knife. Each in 13x10½ velvet lined display box.

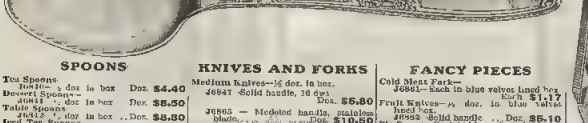
J6236—With solid handle knives. SET (26 pcs. $16.58

J6231—With hollow handle knives. SET (26 pcs.) $19.58

"AMBASSADOR" PATTERN

Beautiful gray finish. This is the most popular pattern of this famous make and is being extensively advertised.

Unlimited Guarantee



SPOONS

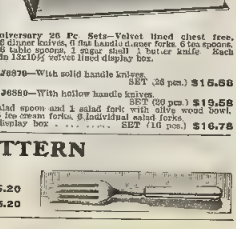
Tea Spoons
J6813—½ doz. in box ... Doz. $4.40
Dessert Spoons—
J6814—½ doz. in box ... Doz. $8.50
Table Spoons
J6815—½ doz. in box ... Doz. $8.80
Iced Tea Spoons
J6821—½ doz. in blue velvet lined box ... Doz $7.10
Coffee Spoons—
J6834—½ doz in blue velvet lined box ... Doz $4.40
Orange Spoons—
J6371—½ doz in blue velvet lined box. Doz. $5.50
Bouillon Spoons—
J6870 ½ doz. in blue velvet lined box ... Doz. $5.20
Soup Spoons—
J6843—½ doz. in blue velvet lined box ... Doz $9.40
Berry Spoon
J6839—Each in blue velvet lined box. Each, $1.80
Olive Spoon—
J6803—Each in blue velvet lined box. Each, $1.00
Baby Spoons—
J6826—Bent handle. Each in blue velvet lined box. Each 60c
Children's Set—Fork and spoon in velvet lined box
J6808—Knife, fork, spoon Set, $1.80

KNIVES AND FORKS

Medium Knives—½ doz. in box.
J6847 Solid handle, 16 dwt. ... Doz. $5.80
J6805 — Modeled handle, stainless blade ... Doz. $10.50
J6883—Hollow handle. ... $3.80
J6874 — Hollow handle stainless blade ... Doz. $15.00
Medium Forks—½ doz. in box.
J6846—Flat handles ... Doz. $8.80
Knife and Fork Sets—
J6846—6 solid handle knives, 6 flat handle forks in box ... SET (12 pcs.) $7.30
J6844—6 hollow handle knives, 6 flat handle forks in box ... SET (12 pcs.) $11.30
J6845—6 hollow handle dessert knives, 6 flat handle dessert forks in box ... SET (12 pcs. $11.00
Carving Set—Each set in blue velvet lined box ... Each $3.00
J6867—2 pieces, small size carving knife and fork ... Set, $5.00

FANCY PIECES

Cold Meat Fork—
J6861—Each in blue velvet lined box. Each $1.17
Fruit Knives—½ doz. in blue velvet lined box ... Doz. $5.10
J6853 Solid handle ... Doz. $5.10
Pie Server—Each in blue velvet lined box
J6878—Hollow handle...Each, $2.87
Sugar Shell—
J6862—Each in blue velvet lined box. Each, 89c
Butter Spreaders—
J6860—½ doz. in blue velvet lined box. ... Doz $7.20
Anniversary 16 Pc. Salad or Dessert Set—1 salad spoon and 1 salad fork with olive wood bowl, 1 pie or ice cream server, 1 cheese server, 6 ice cream forks, 6 individual salad forks.
J6863—Each set in 13x10½ velvet lined display box ... SET (16 pcs.) $16.78

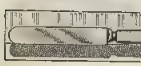


Anniversary 26 Pc. Sets—Velvet lined chest free, 6 dinner knives, 6 flat handle dinner forks, 6 tea spoons, 6 table spoons, 1 sugar shell, 1 butter knife. Each in 13x10½ velvet lined display box.

J6870—With solid handle knives. SET (26 pcs.) $15.58

J6880—With hollow handle knives. SET (26 pcs.) $19.58

"1847" ROGERS BROS. PLAIN PATTERN



XS triple plated, solid handles

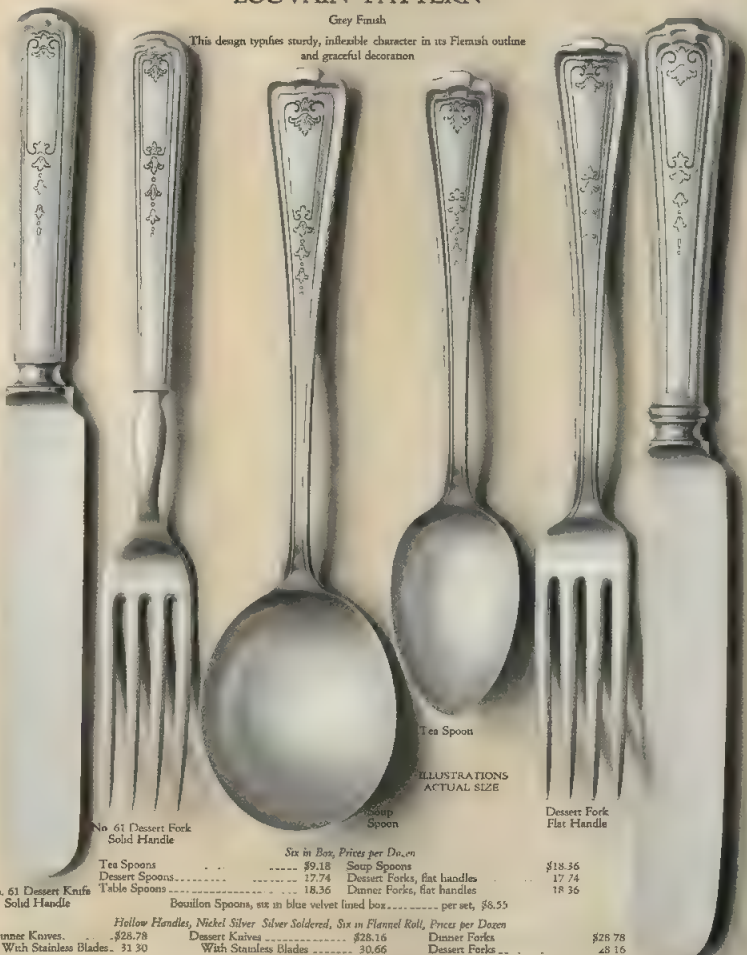
J6302—Medium knife, 16 dwt. ½ doz. in box ... Doz $5.20
J6303—Medium fork, 16 dwt. ½ doz. in box ... " 5.20

1847 ROGERS BROS.

LOUVAIN PATTERN

Grey Finish

This design typifies sturdy, inflexible character in its Flemish outline and graceful decoration



Six in Box, Prices per Dozen

Tea Spoons	$9.18	Soup Spoons	$18.36
Dessert Spoons	17.74	Dessert Forks, flat handles	17 74
Table Spoons	18.36	Dinner Forks, flat handles	18 36

Bouillon Spoons, six in blue velvet lined box ..... per set, $8.55

Hollow Handles, Nickel Silver Silver Soldered, Six in Flannel Roll, Prices per Dozen

Dinner Knives	$28.78	Dessert Knives	$28.16	Dinner Forks	$28 78
With Stainless Blades	31 30	With Stainless Blades	30.66	Dessert Forks	28 16

Solid Handles, Six in Rocked Box, Prices per Dozen

Dinner Knives, No. 61 ..$12.10 Dessert Knives, No. 61..$11 68 Dinner Forks, No. 61..$12.10 Dessert Forks, No. 61..$11 68 Dessert Knife Hollow Handle

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6-6-22

INTERNATIONAL SILVER CO.

1847 ROGERS BROS.

QUEEN ANNE PATTERN

Burnished. In Grey Finish when so ordered

The dignity, beauty and freshness of design in every line are combined in a manner which is very pleasing

Six in Box, Prices per Dozen

Tea Spoons	$9.18	Soup Spoons	$18.36
Dessert Spoons	17.74	Dessert Forks, flat handle	17.74
Table Spoons	18.36	Dinner Forks, flat handle	18.36

Bouillon Spoons, six in blue velvet lined box ..... per set, $8.55

Hollow Handles, Nickel Silver, Silver Soldered, Six in Flannel Roll, Prices per Dozen

Dinner Knives	$28.78	Dessert Knives	$28.16	Dinner Forks	$28.78	Breakfast Knives	$28.58
With Stainless Blades	31.30	With Stainless Blades	30.66	Dessert Forks	28.16		

Solid Handles, Six in Racked Box, Prices per Dozen

Dinner Knives, No. 60 ..$12.10 Dessert Knives, No. 60 ..$11.68 Dinner Forks, No. 60 ..$12.10 Dessert Forks, No. 60 ..$11.68

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1847 ROGERS BROS.

LOUVAIN PATTERN

Six in Box, Prices per Dozen

	B5+700.	Tea Spoons	$9.18	B5+703.	Soup Spoons		$16.36
	B5+701.	Dessert Spoons	17.74	B5+704.	Dessert Forks, flat handles		17.74
Dessert Knife Solid Handle	B5+702.	Table Spoons	18.36	B5+705.	Dinner Forks, flat handles		18.36
	B5+706.	Bouillon Spoons, six in blue velvet lined box, per set, $12.35					

Hollow Handles, Nickel Silver, Silver Soldered, Six in Flannel Roll, Prices per Dozen

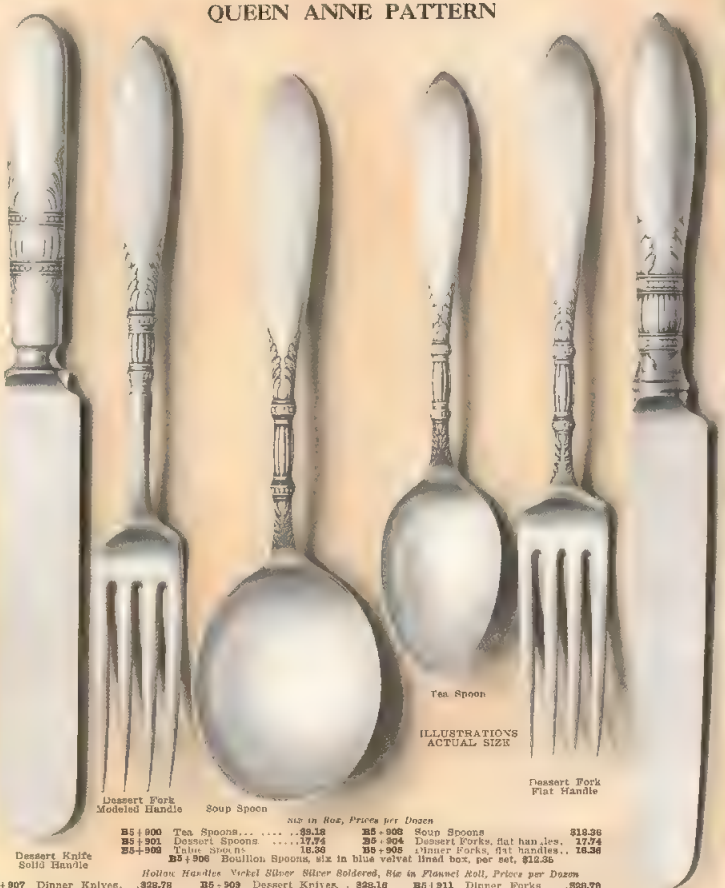
B5+707.	Dinner Knives.	$26.78	B5+709.	Dessert Knives.	$28.16	B5+711.	Dinner Forks... $26.78
B5+708.	With Stainless Blades.	31.90	B5+710.	With Stainless Blades	30.66	B5+712.	Dessert Forks 28.16
						B5+713.	Breakfast Knives 28.58

Solid Handles, Six in Racked Box, Price per Dozen

B5+714.	Dinner Knives	$12.10	B5+716.	Dinner Forks	$12.10	B5+717.	Dessert Forks $11.66
B5+715.	Dessert Knives.	11.66					

INTERNATIONAL SILVER CO.

QUEEN ANNE PATTERN



Six in Box, Prices per Dozen

B5+900	Tea Spoons	$8.18	B5+903	Soup Spoons	$12.36
B5+901	Dessert Spoons	17.74	B5+904	Dessert Forks, flat handles	17.74
B5+902	Table Spoons	15.36	B5+905	Dinner Forks, flat handles	16.36

B5+906 Bouillon Spoons, six in blue velvet lined box, per set, $12.36

Hollow Handles Nickel Silver Silver Soldered, Six in Flannel Roll, Prices per Dozen

B5+907	Dinner Knives	$28.78	B5+909	Dessert Knives	$28.16	B5+911	Dinner Forks $28.78
B5+908	With Stainless Blades	31.30	B5+910	With Stainless Blades	30.66	B5+912	Dessert Forks 26.16

Solid Handles, Six in Racked Box, Prices per Dozen

B5+913	Dinner Knives	$12.10	B5+915	Dinner Forks	$12.10	B5+916	Dessert Forks $11.68
B5+914	Dessert Knives	11.68					

Prices on Application

1847 ROGERS BROS.
SILVERWARE

AMBASSADOR
A WORTHY REPRESENTATIVE OF A DISTINGUISHED LINE

26-PIECE FAMILY ASSORTMENT
Oak Chest with drawer, cloth lined, containing:

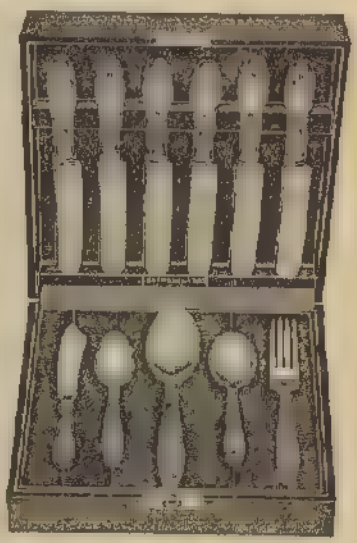
6 tea spoons
6 table spoons
6 solid handle medium knives
6 spoon handle medium forks
1 sugar shell
1 butter knife.

No. 79—Ambassador pattern, per assortment $34.56

Ambassador .....per dozen

Tea Spoons $8.80 | Dessert Spoons $17.00 | Table Spoons $17.60 | Dessert Forks $17.00 | Medium Forks $17.60

ONE HALF DOZEN IN A BOX



26-PIECE FAMILY ASSORTMENT
Leatherette Chest, velvet lined, containing:

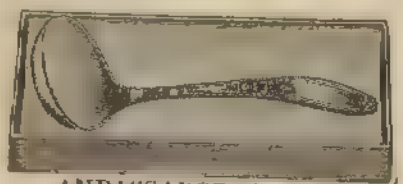
6 hollow handle medium knives
6 spoon handle medium forks
6 tea spoons
6 table spoons
1 sugar shell
1 butter knife

No. 80—Ambassador pattern, per assortment $42.56

SUGAR SHELLS

Ambassador .....per dozen $18.80

ONE IN A LINED BOX



AMBASSADOR LADLES

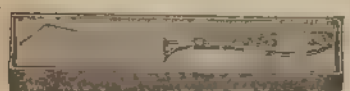
Cream .....per dozen $25.60
Gravy .....per dozen 33.60
Medium .....per dozen 104.00

ONE IN A LINED BOX

CHEESE SERVER
Hollow Handle.

Ambassador .....per dozen $37.60

ONE IN A LINED BOX



BUTTER KNIVES

Ambassador .....per dozen $21.28

ONE IN A LINED BOX

3-PIECE CARVING SET, Hollow Handles

Ambassador .....per set $18.80

ONE SET IN A LINED BOX

PICKLE FORK, Short Handle

Ambassador .....per dozen $20.00

ONE IN A LINED BOX

1847 ROGERS BROS.
SILVERWARE

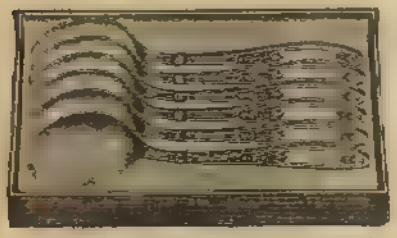
AMBASSADOR

A BEAUTIFUL, DIGNIFIED DESIGN IN GREY FINISH
Prices on Application

BOUILLON SPOONS
Ambassador ....per dozen *$16.40*
HALF DOZEN IN A LINED BOX

PIE SERVER, Hollow Handle.
Ambassador ....per dozen *$68.80*
ONE IN A LINED BOX

COLD MEAT FORK
Ambassador ....per dozen *$28.00*
ONE IN A LINED BOX



ROUND BOWL SOUP SPOONS
Ambassador ....per dozen *$18.80*
HALF DOZEN IN A LINED BOX

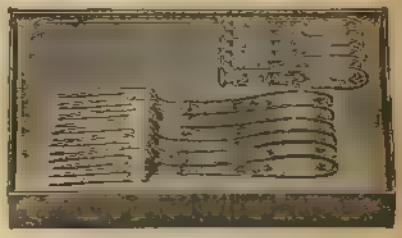
INDIVIDUAL SALAD FORKS
Ambassador ....per dozen *$17.60*
HALF DOZEN IN A LINED BOX

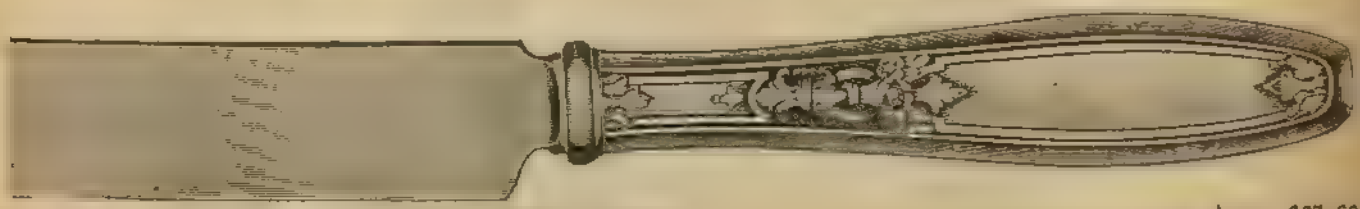
OYSTER FORKS
Ambassador ....per dozen *$11.60*
HALF DOZEN IN A LINED BOX

ICED TEA SPOONS
Ambassador ....per dozen *$14.20*
HALF DOZEN IN A LINED BOX

BUTTER SPREADERS, Flat Handles
Ambassador ....per dozen *$14.40*
HALF DOZEN IN A LINED BOX

BERRY SPOONS
Ambassador ....per dozen *$43.20*
ONE IN A LINED BOX

3-Piece Child's Set, Solid Handles.
No. 116—Ambassador,
per dozen sets *$43.20*
ONE SET IN A LINED BOX

Solid Handle MEDIUM KNIVES and spoon Handle MEDIUM FORKS.
No. 2024—Ambassador,
per set *$14.60*
ONE SET IN A LINED BOX



No. 2020—Ambassador—Hollow Handle	**Medium Knives**	per	dozen	*$27.60*
No. 2021—Ambassador—Hollow Handle	**Medium Forks**	per	dozen	*27.60*
No. 2022—Ambassador—Hollow Handle	**Dessert Knives**	per	dozen	*27.00*
No. 2023—Ambassador—Hollow Handle	**Dessert Forks**	per	dozen	*27.00*

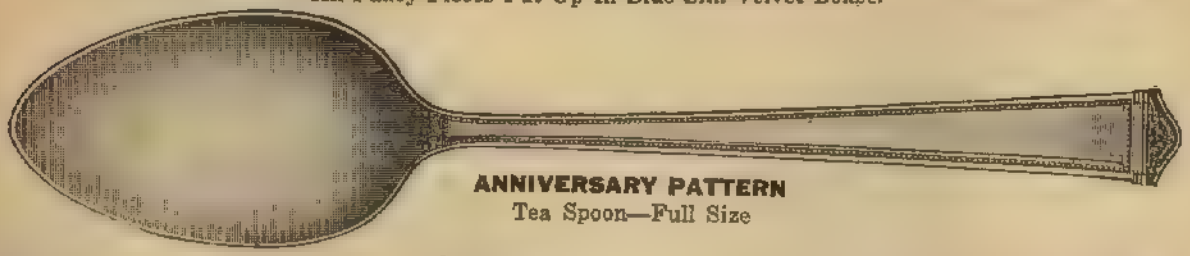
HALF DOZEN IN A BOX

1847 ROGERS BROS.

ANNIVERSARY PATTERN

1847 Rogers Bros. Platinum Finish

All Fancy Pieces Put Up In Blue Silk Velvet Boxse.



ANNIVERSARY PATTERN
Tea Spoon—Full Size

Tea Spoons .....per dozen *$8.80*
Dessert Spoons .....per dozen *17.00*
Table Spoons .....per dozen *$17.60*

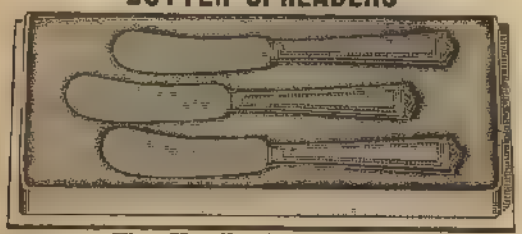
Soup Spoons .....per dozen *$17.60*
Medium Forks—Spoon Handle .....per dozen *17.60*
Dessert Forks—Spoon Handle .....per dozen *17.00*

HALF DOZEN IN A PASTEBOARD BOX

COFFEE SPOONS

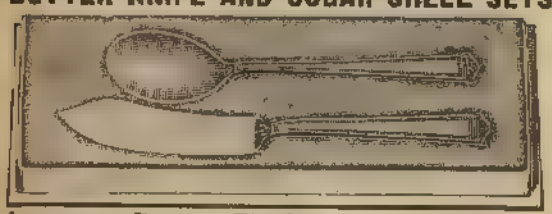
Anniversary—Platinum Finish .....per dozen *$8.80*
HALF DOZEN IN A VELVET LINED BOX

BUTTER SPREADERS



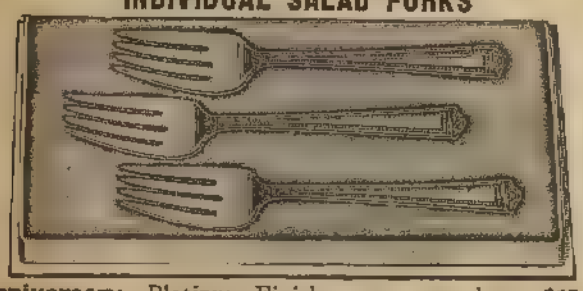
Anniversary—Flat Handle, Platinum Finish,
per dozen *$14.40*
HALF DOZEN IN A VELVET LINED BOX

BUTTER KNIFE AND SUGAR SHELL SETS



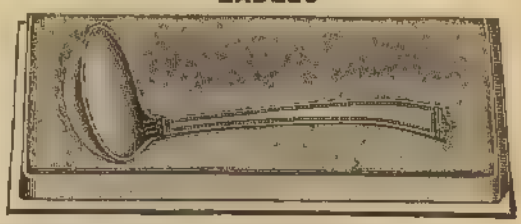
Anniversary—Platinum Finish .....per doz sets *$40.08*
ONE SET IN A VELVET LINED BOX

INDIVIDUAL SALAD FORKS



Anniversary—Platinum Finish .....per dozen *$17.60*
HALF DOZEN IN A VELVET LINED BOX

LADLES



Anniversary Cream Ladles—Platinum Finish,
per dozen *$25.60*
Anniversary Gravy Ladles—Platinum Finish,
per dozen *33.60*
Anniversary Soup Ladles—Platinum Finish,
per dozen *104.00*
ONE IN A VELVET LINED BOX

H. H. PIE OR ICE CREAM SERVER

Anniversary—Platinum Finish .....per dozen *$68.80*
ONE IN A VELVET LINED BOX

COLD MEAT FORK

Anniversary—Platinum Finish .....per dozen *$28.00*
ONE IN A VELVET LINED BOX

BERRY SPOON

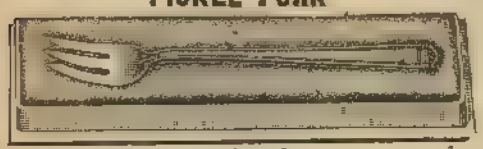
Anniversary—Platinum Finish .....per dozen *$43.20*
ONE IN A VELVET LINED BOX

1847 ROGERS BROS.

In Blue Silk Velvet Lined Boxes.

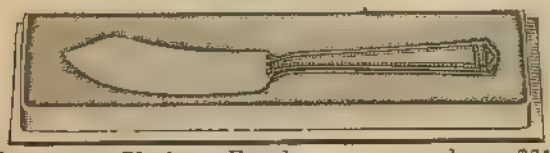
ANNIVERSARY
PATTERN
Platinum Finish

PICKLE FORK



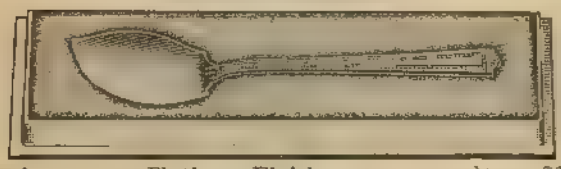
Anniversary—Platinum Finish .....per dozen *$20.00*
ONE IN A VELVET LINED BOX

BUTTER KNIFE



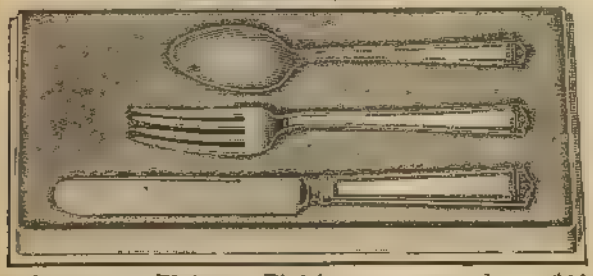
Anniversary—Platinum Finish .....per dozen *$21.28*
ONE IN A VELVET LINED BOX

JELLY SERVER



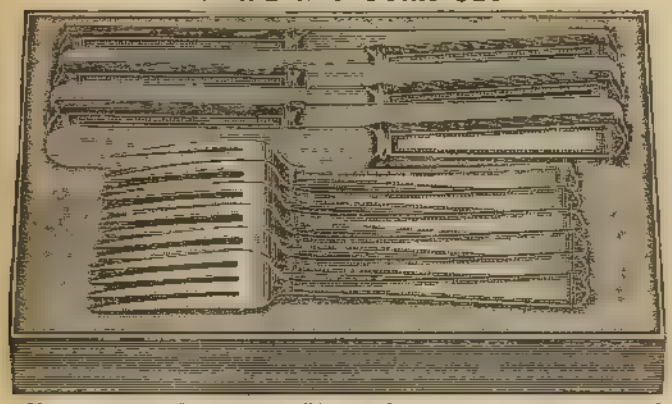
Anniversary—Platinum Finish .....per dozen *$24.00*
ONE IN A VELVET LINED BOX

CHILDRENS SETS



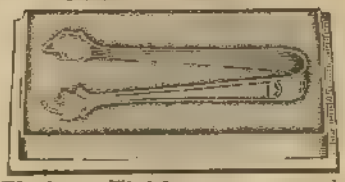
Anniversary—Platinum Finish . . . . per dozen *$43.20*
ONE SET IN A VELVET LINED BOX

KNIFE AND FORK SET



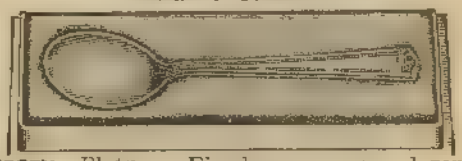
No. 2036 Anniversary—Hollow handle medium knife and flat handle medium fork set, Platinum Finish, per set *$22.60*
No. 2037 Anniversary—Hollow handle dessert knife and flat handle dessert fork set, Platinum Finish, per set *$22.00*
No. 2030—Anniversary—Hollow handle medium knives, per dozen *$27.60*
No. 2032—Anniversory—Hollow handle dessert knives, per dozen *$27.00*
KNIVES AND FORKS, ONE SET IN A CLOTH LINED BOX
KNIVES ONLY, ONE DOZEN IN A BOX

SUGAR TONG



Anniversary—Platinum Finish ..... per dozen *$27.20*
ONE IN A VELVET LINED BOX

SUGAR SPOON



Anniversary—Platinum Finish . . . . per dozen *$18.80*
ONE IN A VELVET LINED BOX

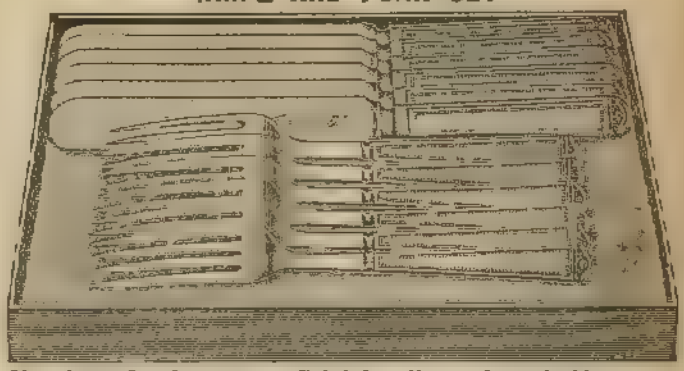
OYSTER FORKS

Anniversary—Platinum Finish .....per dozen *$11.60*
HALF DOZEN IN A VELVET LINED BOX

ORANGE SPOONS

Anniversary—Platinum Finish .....per dozen *$11.20*
HALF DOZEN IN A VELVET LINED BOX

KNIFE AND FORK SET



No. 2038 Anniversary—Solid handle medium knife set, Platinum Finish .....per set *$11.60*
No. 2039—Anniversary—Solid handle dessert knife and fork set, Platinum Finish .....per set *$11.20*
No. 2031 Anniversary—Hollow handle medium forks, per dozen *$27.60*
No. 2033 Anniversary—Hollow handle dessert forks, per dozen *$27.00*
KNIVES AND FORKS, ONE SET IN A CLOTH LINED BOX;
FORKS ONLY, ONE DOZEN IN A BOX

SPARK PLUGS

"AC" TITAN QUALITY SPARK PLUGS

Nationally advertised spark plugs of well known dependable quality. Factory equipment on many of the cars listed below.
Quantity prices apply on solid or assorted styles

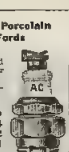
"A C" Plug and Porcelain Special for Fords

4K8145—(Metric 1075) Special plug designed and built specially for Ford motor, ½ in. thread, patented carbonproof construction

	Each
	$0.49
Lots of 10,	.44
" 100,	.42
" 500,	.41

4K8146—Porcelain for 4K8145 plug.

	Each
Lots of 100,	$0.22
"	Each. $0.21



4K8142—½ in. long. Regular.

	Each
	$0.65
Lots of 10,	.58
" 100,	.56
" 500,	.54

4K8135—¾ in. regular.

	Each
	$0.65
Lots of 10,	.58
" 100,	.56
" 500,	.54

4K8137—1½ in. long

	Each
	$0.65
Lots of 10,	.58
" 100,	.56
" 500,	.54

4K8143—⅞ in., Special, Dodge factory equipment.

	Each
	$0.65
Lots of 10,	.58
" 100,	.56
" 500,	.54

4K8139—½ in., long body.

	Each
	$0.65
Lots of 10,	.58
" 100,	.56
" 500,	.54

4K8144—Monroe

	Each
	$0.65
Lots of 10,	.58
" 100,	.56
" 500,	.54

4K8148—S. A. E., regular.

	Each
	$0.65
Lots of 10,	.58
" 100,	.56
" 500,	.54

4K8138—S. A. E., long.

	Each
	$0.65
Lots of 10,	.58
" 100,	.56
" 500,	.54

4K8141—S. A. E., extra long.

	Each
	$0.65
Lots of 10,	.58
" 100,	.56
" 500,	.45

ORDER GOODS AS YOU NEED THEM—and often. Fight, fight, FIGHT for the turn.

"A C" Spark Plugs for All Cars—Each, 65c
(Except 4K8145 for Fords. Each, 49c)

APPERSON	4K8175	HAYNES 55	4K8139
APPERSON—6 & 8	4K8140	HAYNES 75	4K8187
AUBURN	4K8135	HAYNES To 1921	4K8140
BRISCOE	4K8145	HUDSON To 1921	4K8147
BUICK	4K8177	HUPMOBILE	4K8175
BUICK 35	4K8136	JACKSON	4K8135
CADILLAC	4K8136	JEFFERY	4K8135
CASE	4K8195	JEWETT	4K8135
CHALMERS	4K8136	JORDAN	4K8135
CHANDLER	4K8139	JUSSEL	4K8147
CHEVROLET	4K8137	LINCOLN	4K8135
CLEVELAND	4K8135	LOCOMOBILE	4K8140
COLE	4K8136	MARMON	4K8140
DANIELS	4K8135	MAXWELL	4K8135
DAVIS	4K8135	MERCER	4K8137
DODGE	4K8143	MITCHELL	4K8140
DORRIS	4K8135	MOLINE KNIGHT	4K8135
DORT	4K8146	MOLINE KNIGHT and later	4K8134
DURANT—4	4K8138	MOON	4K8134
DURANT—6	4K8139	NASH—1918-19	4K8135
ELCAR	4K8136	NATIONAL	4K8135
ELGIN	4K8141	OAKLAND	4K8138
FORD	4K8145	OAKLAND—To 1918	4K8135
FRANKLIN	4K8138	OLDSMOBILE -8	4K8135
GARDNER	4K8134	OLDSMOBILE—six	4K8138
GRANT	4K8133	OVERLAND	4K8136
HAYNES	4K8139	PACKARD	4K8135
HAYNES	4K8187	PAIGE	4K8135
HAYNES To 1921	4K8140	PEERLESS	4K8135
HILDSON To 1921	4K8147	PIERCE ARROW	4K8135
HUPMOBILE	4K8175	REO To 1919	4K8138
JACKSON	4K8135	ROAMER	4K8135
JEFFERY	4K8135	RICKENBACHER	4K8133
JEWETT	4K8135	R & V KNIGHT	4K8135
JORDAN	4K8135	SAXON	4K8138
JUSSEL	4K8147	SCRIPPS-BOOTH	4 4K8137
LINCOLN	4K8135	SCRIPPS-BOOTH	6 4K8140
LOCOMOBILE	4K8140	SHERIDAN	4K8137
MARMON	4K8140	STANDARD—8	4K8140
MAXWELL	4K8135	STEARNS-KNIGHT	4K8140
MERCER	4K8137	STEPHENS	4K8137
MITCHELL	4K8140	STEVENS-DURYEA	4K8139
MOLINE KNIGHT	4K8135	STUDEBAKER 1920 and later	4K8140
MOON	4K8134	STUTZ	4K8140
NASH—1918-19	4K8135	TEMPLAR	4K8140
NATIONAL	4K8135	VELIE	4K8138
OAKLAND	4K8138	WESCOTT	4K8175
OAKLAND—To 1918	4K8135	WHITE	4K8139
OLDSMOBILE -8	4K8135	WILLYS-KNIGHT	4K8139
OLDSMOBILE—six	4K8138	YELLOW CAB	4K8135

FREE—"AC" Spark Plug "QUICK SELLER"

On every order for 50 "AC" Titan spark plugs, when requested, we will ship FREE this attractive counter case size 11½x16½ in. Case contains chart showing instantly the spark plug suitable for any car. Every dealer needs one. Order 50 "AC" Titan plugs and get this case FREE!

"SPLITDORF" GREEN JACKET SPARK PLUGS

Ruby India mica used exclusively as core insulation, covered with porcelain "Green Jacket," plug will still fire if porcelain is broken, extra heavy sparking points, leakproof, two piece and can be easily taken apart and cleaned fully guaranteed. Quantity prices apply on solid or assorted styles.

4K7948—(Mfrs. P144) ⅜ in., regular.

	Each
	$0.58
Lots of 100,	.56

4K7941—(Mfrs P163), ⅜ in., 18, S. A. E., standard.

	Each
	$0.58
Lots of 100,	.56

4K7942—(Mfrs P170). Special, ⅜ in., for Fords.

	Each
	$0.50
Lots of 100,	.48

4K7944—(Mfrs. P734). ⅜ in., 18, long, heavy hex.

	Each
	$0.58
Lots of 100,	.56

4K7945—(Mfrs. P195) ⅜ in., 18, long.

	Each
	$0.58
Lots of 100,	.56

4K7947—(Mfrs. P735) ⅜ in., 18, long body

	Each
	$0.58
Lots of 100,	.56

"SPLITDORF" GREEN JACKET PLUGS FOR ALL CARS

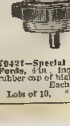
	Plug No.	Each
BUICK	4K7944	$0.58
CADILLAC	4K7941,	.58
CHALMERS	4K7941	.58
CHANDLER	4K7947	.58
CHEVROLET	4K7945	.58
COLE	4K7945	.58
DODGE	4K7947	.58
DORT	4K7941	$0.58
FORD	4K7942	.50
FRANKLIN	4K7945	.58
HAYNES	4K7947	.58
HUDSON (To 1920)	4K7941	.58
HUPMOBILE	4K7941	.58
MAXWELL	4K7941	.58
MOON	4K7941	$0.58
OAKLAND	4K7945,	.58
OLDSMOBILE	4K7945	.58
OVERLAND, models 80-81-83	4K7942	.58
OVERLAND, models 85-90	4K7940,	.58
PACKARD	4K7941	$0.58
PEERLESS	4K7941	.58
STUDEBAKER (To 1919)	4K7942	.58
STUDEBAKER (1920 and later)	4K7941,	.58
WILLYS-KNIGHT	4K7947,	.58

"BOYCE" MOTO-METERS

Attach to radiator caps. Accurately register condition of engine. Red field in thermometer tube gives warning. 1 in box.

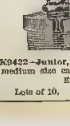
4K9420—Midget, 4 in. for small cars. Maxwell, Chevrolet, Briscoe, etc.

	Each
Lots of 10,	$2.62
"	2.45



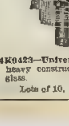
4K9421—Special Model for Fords, 4 in. includes black rubber cap of highest grade.

	Each
	$3.00
Lots of 10,	2.80



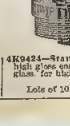
4K9422—Junior, 5¼ in., for medium size cars.

	Each
	$3.75
Lots of 10,	3.50



4K9423—Universal, 5½ in., heavy construction beveled glass.

	Each
	$5.63
Lots of 10,	5.25



4K9424—Standard, 6 in. high gloss enameled, beveled glass, for high priced cars.

	Each
	$7.60
Lots of 10,	7.00

4K9425—De Luxe, silver plated case, 3¾x5¼ in., complete with "Schlaich" lock.

	Each
	$11.25
Lots of 10,	10.50

SPARK PLUGS

"AC" TITAN QUALITY SPARK PLUGS

Nationally advertised spark plugs of well known dependable quality. Factory equipment on many of the cars listed below.
Quantity prices apply on solid or assorted styles

"A C" Plug and Porcelain Special for Fords

4K8145—(Mfrs. 1078) Special plug designed and built specially for Ford motor, ⅝ in. thread, patented carbonproof construction

	Each
Lots of 10	$0.50
" 100	.44
" 500	.42
" 500	.41

4K8146—Porcelain for 4K8145 plug. Each, $0.22
Lots of 100, Each $0.21

4K8142—½ in. long

	Each
Lots of 10	$0.55
" 100	.50
" 500	.54

4K8153—⅝ in., regular.

	Each
Lots of 10	$0.65
" 100	.58
" 500	.54

4K8137—⅝ in., long.

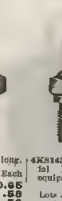
	Each
Lots of 10	$0.65
" 100	.58
" 500	.54

4K8163—⅝ in., special Dodge factory equipment.

	Each
Lots of 10	$0.65
" 100	.58
" 500	.54

4K8136—⅞ in., long body.

	Each
Lots of 10	$0.65
" 100	.58
" 500	.54



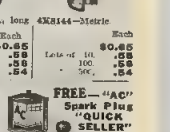
4K8144—Metric

	Each
Lots of 10	$0.65
" 100	.58
" 500	.54

"A C" Spark Plugs for All Cars—Each, 65c
(Except 4K8145 for Fords, Each, 49c)

APPERSON	4K8135	HAYNES 55	4K8139
APPERSON—6 & 8	4K8140	HAYNES 75	4K8137,
AUBURN	4K8137	HAYNES 11-1921	4K8140
BRISCOE	4K8135	HUDSON Twin-Six	4K8135
BUICK	4K8137	HUPMOBILE	4K8137
BUICK—35	4K8136	JACKSON	4K8135
CADILLAC	4K8135	JEFFERY	4K8135
CASE	4K8135	JEWETT	4K8135
CHALMERS	4K8135	JORDAN	4K8135
CHANDLER	4K8140	KISSEL	4K8137
CHEVROLET	4K8137	LINCOLN	4K8137
CLEVELAND	4K8135	LOCOMOBILE	4K8140
COLE	4K8135	MARMON	4K8140
DANIELS	4K8135	MAXWELL	4K8135
DAVIS	4K8135	MERCER	4K8135
DODGE	4K8143	MITCHELL	4K8140
DORRIS	4K8135	MOLINE KNIGHT	4K8137
DORT	4K8135	MOON	4K8135
DURANT 4	4K8139	NASH—1918-19	4K8139
DURANT—6	4K8140	NATIONAL	4K8135
ELCAR	4K8135	OAKLAND	4K8139
ELGIN	4K8141	OAKLAND To 1918	4K8135
FORD	4K8145	OLDSMOBILE—8	4K8135
FRANKLIN	4K8138	OLDSMOBILE 486	4K8139
GARDNER	4K8135	OVERLAND	4K8138
GRANT	4K8135	PACKARD	4K8135
		PAIGE	4K8135
		PEERLESS	4K8135
		REO—To 1919	4K8138
		ROAMER	4K8135
		ROCKENBACHER	4K8143
		S. & V. KNIGHT	4K8135
		SAXON	4K8138
		SCRIPPS-BOOTH	4K8137
		SCRIPPS-BOOTH—6	4K8140
		SHERIDAN	4K8137
		STANDARD—8	4K8140
		STEARNS KNIGHT	4K8140
		STEPHENS	4K8137
		STEPHENS DEBUTANTE	4K8170
		STUDEBAKER 1919 and later	4K8140
		STUTZ	4K8140
		TEMPLAR	4K8140
		VELIE	4K8135
		WESCOTT	4K8135
		WHITE	4K8139
		WILLYS KNIGHT	4K8139
		YELLOW CAB	4K8135

FREE—"AC" Spark Plug "QUICK SELLER"



Get one free for 50 "AC" Titan 4-pk. Trays when requested. We will ship PRETTY attractive counter case, size 11½x10¼ in. Case contains chart showing instantly the spark plug suitable for any car. Every dealer needs one.
Order 50 "AC" Titan plugs and get this case FREE!

4K8140 S A E regular.

	Each
	$0.65
Lots of 10	.58
" 100	.56
" 500	.54

4K8135 S A E long.

	Each
	$0.65
Lots of 10	.58
" 100	.56
" 500	.54

4K8141 S A E extra long.

	Each
	$0.65
Lots of 10	.58
" 100	.56
" 500	.45

ORDER GOODS AS YOU NEED THEM—and often. Fight, fight, FIGHT for the turn.

"SPLITDORF" GREEN JACKET SPARK PLUGS

Ruby India mica used exclusively as core insulator, covered with porcelain. Green Jacket, your mail or line if porcelain is broken, extra heavy sparking points leakproof, two piece and can be easily taken apart and cleaned, fully guaranteed. Quantity prices apply on solid or assorted styles.

4K7940 (Mfrs. P151) ⅛ in. regular

	Each
	$0.58
Lots of 100,	.56

4K7941 (Mfrs P150) ⅛ in. 18 S A E standard

	Each
Pair,	$0.58
Lots of 100	.56

4K7942 (Mfrs P170) ⅛ in. Fords

	Each
	$0.50
Lots of 100,	.48

4K7944 (Mfrs P784) ⅞ in. 18 long heavy bez.

	Each
	$0.58
Lots of 100,	.56

4K7945 (Mfrs P193) ⅞ in., 18 long

	Each
	$0.58
Lots of 100,	.56

4K7947 (Mfrs. P785 ¾ in., 18 long body

	Each
	$0.58
Lots of 100,	.56

"SPLITDORF" GREEN JACKET PLUGS FOR ALL CARS

	Plug No.	Each		Plug No.	Each		Plug No.	Each		Plug No.	Each
BUICK	4K7944	$0.58	DORT	4K7941	$0.58	MOON	4K7941	$0.58	PACKARD	4K7941	$0.58
CADILLAC	4K7941	.58	FORD	4K7942	.50	OAKLAND	4K7945	.58	PEERLESS	4K7941	.58
CHALMERS	4K7941	.58	FRANKLIN	4K7946	.58	OLDSMOBILE	4K7945	.58	STUDEBAKER (To 1919)	4K7942	.58
CHANDLER	4K7947	.58	HAYNES	4K7947	.58	OVERLAND, models 79-80-81-85	4K7942	.58	STUDEBAKER (1920 and later)	4K7943	.58
CHEVROLET	4K7945	.58	HUDSON (To 1930)	4K7941	.58	OVERLAND, models 8333-90	4K7940	.58	WILLYS-KNIGHT	4K7947	.58
COLE	4K7941	.58	HUPMOBILE	4K7941	.58						
DODGE	4K7947	.58	MAXWELL	4K7941	.58						

"BOYCE" MOTO-METERS

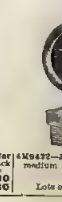
Attach to radiator caps. Accurately register condition of engine. Red field in thermometer tube gives warning if in box.

4K9420—Midget, 4 in. for aeroplanes, Maxwell, Chevrolet, Briscoe, etc.

	Each
	$2.62
Lots of 10,	2.45

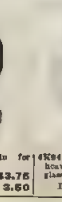
4K9421—Special Model for Fords 4 in. includes black rubber cap of highest grade.

	Each
	$3.00
Lots of 10,	2.80



4K9422—Junior, 5¼ in. for medium size cars.

	Each
	$3.75
Lots of 10,	3.50



4K9423—Universal, 6½ in. heavy construction, beveled glass.

	Each
	$5.63
Lots of 10,	5.25

4K9424—Standard, 6 in. high nickel mounted, beveled glass, for high priced cars.

	Each
	$7.50
Lots of 10,	7.00

4K9425—De Luxe, silver plated case 3¼x5¼ in., complete with Schlage lock.

	Each
	$11.25
Lots of 10,	10.50

AUTO SUPPLIES

COMBINATION SPOTLIGHTS AND TROUBLE LAMPS

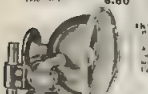
4K8... Auto Ray," body ... black enamel ... lense, switch in ... Each, $2.95

4K8... Delta ... bo... $3.15

4K8231 ... lens ... rubber ... with ... 1 in box. Each, $3.85

ANDERSON'S "AUTO-REELITES"

4K8... Anderson's Auto-... Each ... $6.75 6.60



4K8... Model ... Each ... $6.75 6.50

"Dandy" Junior Spotlight—For all cars

Well made and attractively finished throughout. Use this as a leader.

4K8301 Single shell reflector and body combined—brass lamp and ... Each bulb and 6 ft. cord, 1 in box **$2.45**

"BEACON" STOP LIGHT

4K8... Each ... $1.88

MIRROSCOPES

Mirror ... ward Type ... finish mirror ... 1 in box

4K8... Each ... $1.25

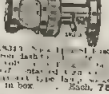
4K8... Wheels ... Each ... $1.50

Windshield Steel rod and hook, black enameled, nickel trim around mirror, clamps on windshield rod, adjustable to any position. 1 in box with parts.

4K8236—4 in mirror. Each ... 55c

4K8237— ... Each ... 70c

"BULL PUP" DASH LAMP

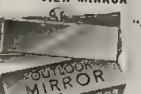


4K8... Nickel ... finish ... 1 in box Each, 75c

DASH AND TROUBLE LAMP

4K8317 Nickel steel body ... Each ... $1.75

"OUTLOOK" REAR VIEW MIRROR



Barrel rolls, clear flawless, backed with silver, instantly adjusted to any direction without set screw, held firmly in position by permanent tension of nickel plated holder. Each in carton.

For Sedans and Coupes—

4K9... ... Each ... $2.25

Lots of 6, Each ... 2.00

4K9264—3x10 in. Each ... $2.42

Lots of 6, Each ... 2.33

For Open Cars—

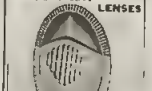
4K9... ... in., with special brackets ... Each, $2.25

Lots of 6, Each ... 2.00

4K9266—3x10 in., with special brackets. Each, $2.42

Lots of 6, Each ... 2.33

"VIOLET RAY" LENSES



Hitch glass, absorb all glare rays, excellent driving light, ... a distinctive appearance to ... the car. 1 pr. in carton

4K9090—8 in. ... Pr. $2.25

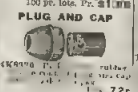
4K9091—8½ ... Pr. 2.00

4K9093—8½ ... 12 pr. lots ... Pr. 2.00

4K9097—9¾ ... 25 pr. lots ... Pr. 1.80

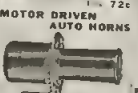
4K9099—9¾ ... 100 pr. lots. Pr. $1.60

PLUG AND CAP



4K9... Pl... rubber ... Each ... 72c

MOTOR DRIVEN AUTO HORNS



Patented ... with ... silver ... enamel finish ... type. High grade ... motor, patented lever bar with riveted anvil prevents ... Guaranteed ... 1 year ... 1 in box

4K8301 ... Each ... $3.50

4K9015 ... Each ... $4.25

"KINGSTON" CARBURETORS

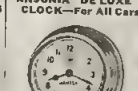
Prevent imperfection, dirt and water coming from tank into motor. Sediment ... chamber, ... float needle valve ... interfering with operation. Fine strainer ... three times ... forces of low quality gasoline. Fully guaranteed. 1 in box.

4K9246—For Chevrolet ... Each, $9.33

4K9244—For Maxwell, all models ... Each, $8.50

4K9245—For 1917 and later model Dodge cars ... Each, $10.50

"ANSONIA" DE LUXE CLOCK—For All Cars



4K9420 ... ... in ... ...

AC "TITAN" SPARK PLUGS

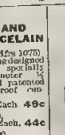
Quantity price applies solid or assorted

FORD SPECIAL SPARK PLUG AND PORCELAIN

4K8145—(Mfrs. 3075) Special plug designed and built specially for Ford motor. ½ in. thread patented carbon proof construction. Each **49c**

Lots of 10, Each, **44c**
" 100, Each **42c**
" 500, Each, **41c**

4K8140— Porcelain for 1K8145 plug. Each **22c**
Lots of 100 Each **21c**



4K8139—⅜ in. long. Each **65c**
Lots of 10 **58c**
" 100 **56c**
" 500 **54c**

4K8135—⅜ in. regular. Each **65c**
Lots of 10 **58c**
" 100 **56c**
" 500 **54c**

4K8179—⅜ in long body. Each **65c**
Lots of 10 **58c**
" 100 **56c**
" 500 **54c**

4K8140—⅜ in. regular. Each **65c**
Lots of 10 **58c**
" 100 **56c**
" 500 **54c**

4K8142 Long ½ Each **65c**
Lots of 10, **58c**
" 100, **56c**
" 500, **54c**

4K8144—Reg. Metric, suitable for all cars using Metric Posts. Each **65c**
Lots of 10, **58c**
" 100, **56c**
" 500, **54c**

4K8145—S. A. E. ex. Long. Each **65c**
Lots of 10, **58c**
" 100, **56c**
" 500, **54c**

4K8148—Factory equipment on all Dodge cars. Each **65c**
Lots of 10, **58c**
" 100, **56c**
" 500, **54c**

4K8138—Long S. A. E. Each **65c**
Lots of 10, **58c**
" 100 **56c**
" 500, **54c**

"A C" PLUGS FOR EVERY CAR

Passenger Cars	Number
Apperson—1918 to 1921	4K8140
Buick—except 36	4K8137
Buick—model 36	4K8135
Cadillac	4K8135
Case	4K8135
Chalmers	4K8135
Chandler—1918 to 1921	4K8139
Chevrolet	4K8137
Cleveland	4K8135
Cole	4K8135
Commonwealth	4K8140
Davis	4K8135
Daniels	4K8140
Dort	4K8135
Dodge	4K8145
Essex	4K8144
Haynes	4K8140
Hudson—Up to 1921	4K8136
Hudson—1921	4K8144
Hupmobile	4K8135
Jackson	4K8135
Kissel kar	4K8139
Lafayette	4K8138
Liberty	4K8135
Maxwell	4K8135
Marmon	4K8140
McFarland	4K8141
Mitchell—1917 to 1921	4K8140
Mitchell—To 1917	4K8136
Monroe	4K8140
Nash—To 1920	4K8138
Nash—1920-21	4K8141
National	4K8135
Oakland 26-50	4K8135
Oakland	4K8138

Passenger Cars	Number
Oldsmobile—To 1918 and 8 cyl	4K8135
Oldsmobile—6 cyl	4K8138
Packard	4K8135
Paige	4K8135
Premier—1916-21	4K8138
Premier—Up to 1916	4K8135
Reo	4K8142
R. & V. Knight	4K8135
Saxon	4K8138
Scripps-Booth—6 cyl	4K8138
Scripps-Booth Four	4K8137
Standard Knight	4K8135
Sheridan	4K8137
Stearns Knight—To 1917	4K8135
Velie	4K8138
Willys-Knight	4K8139

Commercial Cars	Number
Acme	4K8135
Ajax	4K8135
Available	4K8137
Chevrolet	4K8137
Dependable	4K8138
Diamond T	4K8135
Federal	4K8135
Grant-Bernstein	4K8135
Hall	4K8135
Menomony	4K8135
Old Reliable	4K8135
Oldsmobile	4K8137
Packard	4K8135
Reo	4K8142
Republic	4K8138
Sandow	4K8135
Vim	4K8135

Also we can furnish "A C" spark plugs for any car not listed above.

"SPLITDORF" GREEN JACKET SPARK PLUGS

Ruby Insla mica used exclusively as core insulation, covered with porcelain "Green Jacket," plug will still fire if porcelain is broken, extra heavy sparking points, leak proof, two piece anti-gas shell. Quantity price applies solid or assorted. Can be easily taken apart and cleaned, full guaranteed.

4K7942

4K7940

4K7941

4K7945

4K7944

4K7947

4K7942 (Mfrs. P-179) **Ford Special,** etc. ⅛ in. long also for use in Fordson Tractors, Overland Model 79, 80, 81 and 82 and Studebaker Models prior to 1920. Each **$0.50**
Lots of 100, " **.48**

4K7940 (Mfrs. P 144. **For Overland** 4, also models 83-3 and 90. ⅛ in. standard, for use in any automobile taking standard ⅛ in. plug. Each, **$0.58**
Lots of 100, " **.56**

4K7941 (Mfrs. P-183) **For Dodge,** etc. ⅛ in. standard also for use in

Buick
Chalmers
Cole
Dort
Hudson Models to 1921
Hupmobile
Jordan
King
Lafayette
Lexington
Maxwell
Mercer
Packard
Peerless
Pierce-Arrow
Studebaker Models after 1919
Stutz
Westcott

Each, **$0.68**
Lots of 100, " **.56**

4K7945 (Mfrs. P-185) **For Oakland,** etc. ½ in 18 long also used in Lozier, Maryland and Nash after 1918. Each **$0.58**
Lots of 100 **.56**

4K7944 (Mfrs. P-181) **For Buick** etc. ⅛ in. 18 spi. Used in Buick cars, also Chevrolet models after 1918. Each **$0.68**
Lots of 100, " **.56**

4K7947 (Mfrs. P-186) **For Chandler,** etc. ⅛ 18 long body special also used in Cleveland, Parland, Inverstar, Oldsmobile 8 and Stephens Durso. Each, **$0.58**
Lots of 100, " **.56**

"BETHLEHEM" SPARK PLUGS

Factory equipment on Ford and Studebaker cars

4K7987—¼ in thread, special for Ford Cars, also suitable for Fordson tractors, Overlands, Studebakers, 1919, and earlier and any car taking a spark plug with a standard ½ in. thread 1 in. Each, **29c**

4K7988—Porcelain for special Ford Plug 4K7987 Each, **21c**

4K7989—¾ in. thread, special for 1920 and later models Studebaker cars, also suitable for any car taking a spark plug of a standard ¾ in. thread 1 in. Each **39c**

The store with the big "overstocks" is generally the store with the most "outs."

"MAZDA" AUTO BULBS

Note: Be sure to give correct voltage and style of base. S. C. means Single Contact, D. C. indicates Double Contact. Specify name of cars, models and years. All bulbs packed ten in a carton.

Double Contact

Single Contact

G-6 DIAM. 3/4"

G-8 DIAM. 1"

Mazda No.	Base	Use	Voltage	C. P.	Type	Each
4K8700 - 51	S. C.	Rear & Dash 3 in series	3-4	2	G6	$0.16
4K8701	6S	D. C.	5-6	2	G6	.16
4K8702 - 53	S. C.	Rear & Dash	5-6	2	G6	.16
4K8703	6S	D. C.	6-8	2	G6	.16
4K8704	6S	S. C.	12-16	2	G6	.16
4K8705 - 68	D. C.		12-16	2	G6	.18
4K8706 - 81	S. C.	Bidelight	6-8	4	G6	.18
4K8707 - 82	D. C.		6-8	4	G6	.18
4K8708 - 1129	S. C.	Headlight	6-8	21	S11	.27
4K8709 - 1130	D. C.		6-8	21	S11	.27
4K8710 - 1160	D. C.	"	6-8	32	S11	.42
4K8711 - 1154	S. C.	"	6-8	32	S11	.42
4K8712 - 1158	D. C.	"	6-8	32	S11	.42
4K8713 - 1156	D. C.	"	6-8	32	S11	.42
4K8714 - 1141	S. C.	"	12-16	21	S11	.30
4K8715 - 1142	D. C.	"	12-16	21	S11	.30
4K8716 - 1145	S. C.	"	18-24	32	S11	.50
4K8717 - 1146	D. C.	"	18-24	32	S11	.50

HEADLAMP AND DIMMER BULB
For Ford Cars

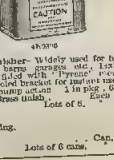
						Each
4K8718—1158	D. C.	Headlight & Dimmer in one Bulb	6-8	4-21	S11	$0.33

						Each
4K8712—1158	D. C.	Headlights	6	18	S11	$0.27
4K8713—1156	D. C.	"	6	27	S11	.30
4K8714—1141	S. C.	"	12-16	21	S11	.30
4K8715—1142	D. C.	"	12-16	21	S11	.30
4K8716—1145	S. C.	"	18-24	32	S11	.50
4K8717—1146	D. C.	"	18-24	27	S11	.50

"PYRENE" FIRE EXTINGUISHER AND LIQUID

Approved by National Board of Underwriters. Insurance companies allow 15 per cent on cans carrying "Pyrene."

4K8993

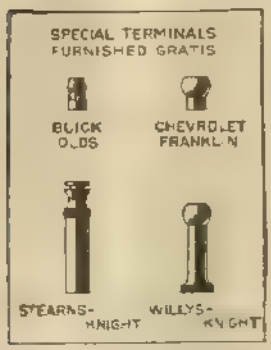


4K8996

1 qt. Extinguisher—Widely used for household protection, barns, garages, etc. Red brass. 1 qt. size filled with "Pyrene" mounted on black enameled bracket for instant use by turn of handle pump action. 1 in pipe. 6 lbs. Each **$8.00**
4K8993—Brass finish " **7.50**
Lots of 6, "

Liquid 1 qt. can for refilling. Cap. **$1.20**
4K8998—1 can in pkg. Lots of 6 cans, " **1.12**

SPECIAL TERMINALS FOR A-C PLUGS



We are prepared to supply at no additional charge, special terminals for AC Plugs as shown. These will be supplied only when so ordered at time of shipment.

AC QUICK SELLER

FREE

A high grade, well made attractively finished sales cabinet. It takes up little counter space yet keeps stock at your finger tips.

A chart gives complete information as to the proper plug for every type of motor. Enables you to see at a glance when your stock of plugs is getting low, so that you can reorder before running out. A complete tie-up with AC National advertising. Ask our salesman or write us how you can secure one free.

Large size, holds 140 Plugs, 18 in., high 14½ in., wide.

Junior size, holds 50 Plugs, 11½ in., high, 10¾ in., wide.

Hibbard Hardware for Hard-Wear

SPARK PLUGS

RAJAH

Insulation—Highest grade imported hard fire porcelain of special pattern, securely packed, which insures against firing through. The new clip terminal does away entirely with the necessity for either thumb screw, nut or other device for attaching or securing wire or cable to spark plug.

No. 5266—½ in. porcelain, per box of 12 ..... **$13.92**

No. 5267—½ in., S. A. E. porcelain, per box of 12 ..... **$13.92**

No. 5269—Porcelains, extra, per box of 12 ..... **$7 68**

KINGSTON Mica

These plugs are made from mica of best obtainable grade and are recognized as the standard of all mica plugs.

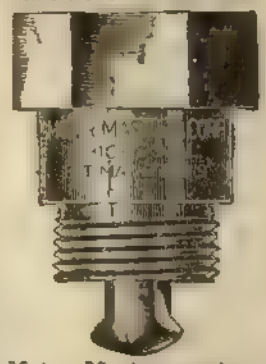
No. 5300—½ in. . . per box of 10 **$10.00**

No. 5301—½ in. S. A. E., per box of 10 ..... **$10.70**

SPARK PLUG BRUSHES

No. 5354—Presco, wire bristles, hair tuft, 2 tempered thin flat steels, per dozen **$2.40**

MOTOR MASTERS



The Motor Master creates a vapor field directly at spark plug points which explodes instantly when spark occurs.

Easily installed. Just screw spark plug into Motor Master and then screw Motor Master into cylinder. No moving parts. Lasts forever. Made to fit every car.

Made of polished brass, Approx. Wt., per Master 4 oz.

No. 5357—Set of 4 to fit ½ in. Spark Plugs ..... per set *$5.00*

No. 5358—Set of 4 to fit ½ in. Spark Plugs ..... per set *$5.00*

No. 5359—Set of 6 to fit ½ in. Spark Plugs ..... per set *$7.50*

ONE SET IN A BOX

SPARK PLUG WRENCHES

Pressed steel, double end, removable handle, will not crack or spread when in use. For ½ and ½ in. plugs, length 4 in

No. 6473—453 Openings 29-32 and 31-32 in., w't per doz. 7½ lbs., per dozen **$6.96**

No. 6474—455—Openings 29-32 and 1 1-32 in., w't per doz 7½ lbs., per dozen **$6.96**

ONE IN A CARTON

FOR FORD CARS

Wrench to fit spark plugs on Ford cars. Satin-nickel finish. Duplicate of Ford No. 2335.

No. 6475—635—Length 10 in., w't per doz. 6 lbs., per dozen **$13.60**

HALF DOZEN IN A CARTON

A. C. TITAN SPARK PLUGS

ONE PIECE OF TYPE CONSTRUCTION

No. 5153—78LT Long ¼ Titan: Regular equipment on Buick since 1908, on all Chevrolet models, Haynes Model 75, 1920 Kissel Kar, Samson Tractors, Olds Trucks,
per box of 10 .....$11.60

No. 5157 18MT - Regular Metric Titan (Carbon-proof Type): Regular equipment on all Essex cars and on Hudsons since 1921. (Plain Porcelain type): Equipment on Wills Sainte Claire, box of 10 ..$11.60

No. 5187 12ACI—Regular ½ AC two-piece. Regular equipment on the following tractors: Boring, Dart, Lauson, Stockton, Tioga. This two-piece plug is also made in ¼ in. Long and ⅞ in. Long, furnish on request, per box of 10 $13.20

No. 5155—SAET—SAE regular: equipment on Apperson, Daniels, Durant 6, Locomobile, Marmon, Mitchell, Stearns - Knight, Studebaker and other cars,
per box of 10 .....$11.60

No. 5149—78DT—Dodge Titan: Used for regular equipment on every Dodge Brothers car made to date, Cunningham and Rickenbacker,
per box of 10 .....$11.60

No. 5148—SAENT — Extra Long SAE Titan: Regular equipment on Nash 6 since 1920, on Nash 4, Dort, Elgin and McFarlan.
per box of 10 .....$11.60

No. 5156— SAELT — Long SAE Titan: Regular equipment on Nash until 1920, Durant 4, Oakland, Oldsmobile 6, and Saxon,
per box of 10 ....$11.60

No. 5154—78LBT—¾ in. Long Body Titan: Regular equipment on Chandler, Willys-Knight, Moreland Trucks, Robinson Fire Trucks, Titan Trucks,
per box of 10 .....$11.60

SPECIAL FOR FORDS

No. 5159—1075—Spring terminal clip permits wire to be instantly detached and reconnected while motor is running. Patented CARBON PROOF porcelain. Saw tooth edges attain sufficient heat to burn oil deposits,
per dox of 10 .....$8 80

CORES ONLY.

No. 5160—Porcelain for No. 5159 Spark Plug, w't per box 1 lb.,
per box of 10 .....$4.40

No. 5161 — 12LT — Long ¼ Titan: Regular equipment on Reo for eight years,
per box of 10 ..... $11 60

No. 5158—12RCP—¼ Regular Carbon Proof: Regular equipment on Overland Four, and Studebaker up to 1920, per box of 10 $11.60

No. 5152—78AT—Regular ⅝ Titan: Equipment on 170 makes of cars, trucks, tractors, etc., including such prominent manufacturers as Cadillac, Case, Chalmers, Cleveland, Cole, Dort, Hudson up to 1921, Hupmobile, Jewett, Kissel Kar, Lafayette, Liberty, Maxwell, National, Olds 8, Paige-Detroit, Pilot, Westcott, Yellow Cab,
per box of 10 .....$11.60

APPROX. W'T PER DOZ. 3¾ LBS. ONE IN A BOX.

TEN IN A CARTON

BENCH VISES

ABERNATHY RAPID ACTION

Especially Suitable for Manual Training and Technical School Equipment.

ROLLER NUT SCREW STYLE

These Vises have but ONE part in addition to the elements of an old style, slow acting screw vise, and that is the "Roller," which is a large substantial casting, Practically impossible to put out of order even by abuse. They have no springs whatever, but depend upon the weight of the "Rollers" for their action, and this is a Permanent factor.

So constructed that it is absolutely impossible for the nut section to rise or the screw to spring out of engagement.

The "Roller" is a practically balanced cylinder containing a tapered dovetail mortise into which a nut section is removably fitted; the "Roller" simply hangs upon the screw, and due to its weight and the resulting frictional contact between these two parts the "Roller" rolls in whichever direction the screw is turned.

Made of the very best quality gray iron castings, well machined and nicely finished, with cold rolled steel slides; with an extra smooth and ccurately milled steel screw and with the highest grade of phosphor bronze hobbed nut, of more than usual length, which insures strength and long wear.

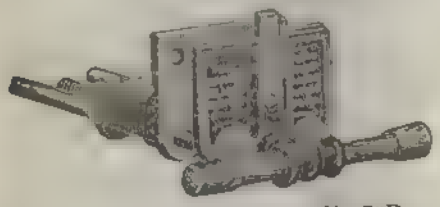
Standard Cabinet and Pattern Makers Roller Nut Screw Style

No. 80 — Each

No. 80—Jaws 10 inches Long; 4 inches Deep; Opening 12 inches; Weight 26 lbs. **$10 00** 10 00

No. 80D—With Adjustable Dog, otherwise same as No 80.. **20 00** 10 50

One in a Box



For Manual Training Schoolland Home Shop. Tail Vise Equipment Roller Nut Screw Style

No. 70D — Each

No. 70—Jaws 7 inches Long; 4 inches Deep; Opening 9 inches; Weight 20 lbs. **$15 20** 8 00

No. 70D—With Adjustable Dog; otherwise same as No 70 **16 20** 8 50

One in a Box

CLUTCH STYLE
Manual Training School Special

Made of the very best quality of gray iron castings, well machined and nicely finished with cold rolled steel sides.

Clutch No. 20

This Vise is instantaneous in adjustment; that is, the handle being in a vertical position, the front movable jaw may be drawn or pushed to any desired adjustment by a single motion.

The compression feed is three-fourths of an inch for each revolution of the handle, and if it is so desired the front jaw may be fed the whole length of its adjustment by a continuous turning of the handle, but approximately a one-fourth turn of the handle is all that is necessary to clamp an article for any ordinary purpose. The front jaw may also be pushed to an adjustment regardless of the position of the handle, which is often a convenience and a further saving of time.

The entire manipulation of this vise is accomplished by the handle alone, and all wearing parts are located under the bench, where they are protected from knocks and dirt.

Each

No. 20—Jaws 10 inches Wide; 3 inches Deep; Opening 9 inches; Weight 28 lbs. **$15 20** 8 00

No. 20D—With Adjustable Dog; otherwise same as No. 20.. **16 20** 8.50

One in a Box

Extras for Abernathy Bench Vises

Maple Facings for any size, Extra **$1.00**

Larger opening for any size, for each additional 3 inches **1.00**

BENCH VISES

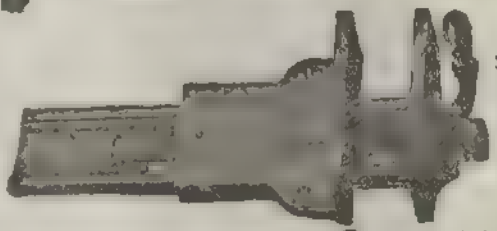
SHELDON
QUICK ACTING

Especially Suitable for Use in Manual Training Schools and where Subject to Heavy and Sudden Strains

Heavy Gray Iron Frame and Jaws, Deep Forged Steel Rack with Carefully Milled Teeth; the Section of Upper Frame, which Engages Rack is Also Made of Deep Forged Steel and Milled Teeth. The Handle and Cam are Malleable Iron; Finished with Olive Green Paint, the Face and Upper Edges of Jaws Polished.

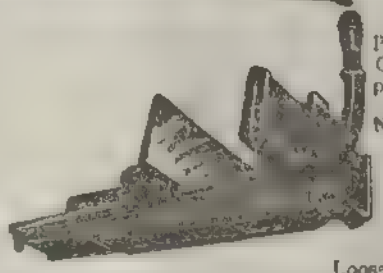
Each

No 3—Jaws 7⅛x3 inches; Jaws Open 8¼ inches. Length Over All 16 inches with Steel Dog in Outer Jaw, which, when Working in Connection with Bench Stop, Form a Clamp for Work on Top of Bench; Weight 23¼ lbs. . **$15 40** 7.00



Each

No. 4—Jaws 7¼x 2⅜ inches; Jaws Open 8½ inches; Length Over All 16 inches; Wt. 23 lbs **$13 20** 6.00



Jaws of this Vise are Milled and Polished on Ends, Edges and Inner Grip, giving a very Attractive Appearance

Each

No. 6—Jaws 3⅛x8¼ in; Jaws open 11¼ in; Length over all 21½ in; Steel Dog in the Front Jaw gives Vise an exceptionally large Range of Gripping efficiency; Weight 32½ lbs. **$19 80** 9.00

Loose

RICHARDS-WILCOX

Especially Suitable for Use in Manual Training Schools and Where Subject to Heavy and Sudden Strains.

Instantaneous Adjustment. Continuous in Action. Phosphor Bronze Nut Operates Entire Length of Screw. No Pawls, Racks or Triggers to Break or Wear. Nut is Relieved and Completely Disengaged When Pressure on Work is Removed by Slight Reverse Movement of Handle. When Pressure is Applied it Causes the Nut to Engage and Lock Screw Firmly. Screw is Cut with Single Thread Four to One Inch Hence has Double the Power or Pressure of Vises havig Screw Cut with Double Thread. Cold Rolled Steel Guides, Gray Iron Jaws with Working Surfaces Ground and Fnished. Special Design of Ribs on Jaws Secures Minimum Deflection or Spring Under Pressure, as Well as Minimum Weight.

Head or Side Vise

Each

No. 430'1—Jaws 7x4 in.; Jaws open 10 in.; Screw, 1 inch in Dia., 4 Threads to the inch, Length over all 17 in; Wt. 29½ lbs **$13 20** 6.00

No. 430'2 Jaws 10x5 in; Jaws open 12 in, Screw 1 in. in Dia., 4 Threads to the in, Length over all 21 in; Weight 40½ lbs. **15 90** 7 20

Loose

Tail Vise With Brass Stop in Front Jaw Each

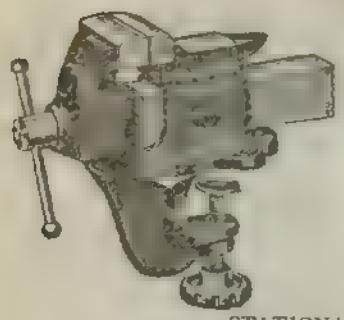
No. 430,1S—Jaws 7x4 in; Jaws open 10 in; Screw 1 in. in Dia., 4 Threads to the In; Length over all 17 in; With Brass Dog in Front Jaw; Wt. 30 lbs. . . **$14.60** 6.80

No. 430,2S—Jaws 10x5 in; Jaws open 12 in; Screw 1 in. in Dia., 4 Threads to the inch; Length over all 21 in; With Brass Dog in Front Jaw; Weight 40 lbs. **17 20** 7.80

Loose

BENCH VISES

MODERN



A Sturdy [illegible] Wine Color Enamel, Extra Heavy, Cast Iron Body; Polished Jaws and [illegible]; Steel [illegible] Down Permanently.

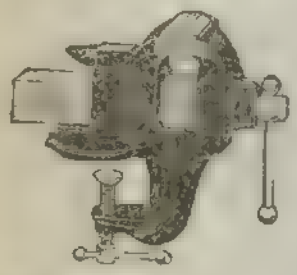
STATIONARY BOTTOM
To Clamp
Plain Iron Jaws

Nos.	M741	M742	M743
Width of Jaw, inches	1¼	1¾	2
Spread of Jaws, inches	2⅛	2¼	2¼
Weight Each, lbs.	3¼	3¾	4
Each	$2 20	2 50	3 00
Nos.	**M744**	**M745**	**M746**
Width of Jaw, inches	2¼	2½	3
Spread of Jaw, inches	2⅛	2½	3
Weight Each, lbs.	4	6	10
Each	$3 70	4.20	6.60

One in a Cardboard Box

VICTOR JERSEY

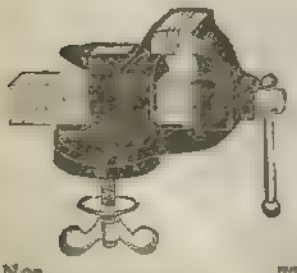
[illegible] Machinist's Vise with Loose Malleable Iron Nut [illegible] to Work Smooth and Easy; Jaws [illegible] are Together on the Face [illegible] Cast Iron Body, Faced Jaws; Slide and Screw Ext. Steel Sliding Bar.



STATIONARY BASE
Steel Faced Jaws, Welded

Nos.	761	762	763
Width of Jaws, inches	1¼	1¾	2
Length Closed, inches	5⅜	5¾	6
Weight Each, lbs.	3	3¼	3½
Each	$2 80	3.20	3.70
Nos.	**764**	**765**	**766**
Width of Jaws, inches	2¼	2½	3
Length Closed, inches	6¼	7	8¾
Weight Each, lbs.	4	5	8½
Each	$4 30	5.20	7.50

Loose



SWIVEL BASE
Steel Faced Jaws

Nos.	772	773	774	775	776
Width of Jaws, inches	1¾	2	2¼	2½	3
Length Closed, inches	5¾	8¼	6½	7	8¾
Weight Each, Lbs.	3	3½	4½	5½	9½
Each	$3.20	3.70	4.40	5.50	7.50

Loose

BENCH VISES

VICTOR JERSEY

No12

ASSORTMENTS
With Display Stands

Cast Iron Standards, Black Painted with Silver Gray Lettering; Maple Ring and Base Board.

Dimensions:—Spread at Base 13x12⅜ inches; Height 31 inches closed.

Per Assortment
No. BX12—Twelve Vises and Stand; Weight 64 lbs. $45.00

Nos.	741	742	743	744	745	746	761	763	772
Quantity	2	2	2	1	1	1	1	1	1

One Assortment Complete in a Case

EMPIRE

STATIONARY BASE

These Vises are made entirely of Steel and every Part Guaranteed against Breakage; Defective Parts Replaced Free of Charge.

Hardened and Polished Steel Jaw Faces; Japanned Steel Body; Polished Slide Bar and Screw Head; Polished Steel Sliding Handle Bar.

Nos.	E25	E30	E35	E40
Jaw, in.	2½	3	3½	4
Jaw Open, in	3¾	4	4½	5
Wt. each, lbs.	7	10	15	22
Each	$5.00	6.00	8.00	10.00
	7.60	9.20	12.20	15.20

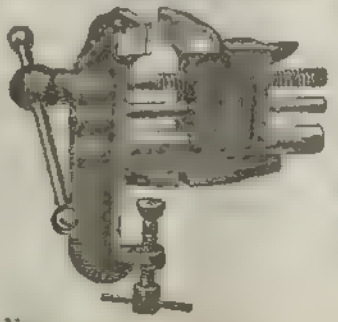
LUTHER

Made of Good Quality Material; all Heavy and Well Braced; Jaws are Made of Steel and Travel on Steel Guides; Impossible for Them to Become Sprung or Get Out of Alignment. The Feed is Arranged so that a Very Tight Grip can be Secured; Is Broad and Rigid; Can be Fastened to Block or Bench. Handle, Guides, Jaws and Screws are all of Steel, no Weak Places where these Vises can Wear Out.

Cast Steel with Steel Guides and 3 inch Steel Jaws, 5 inch Extension

Each
No. V70—Weight 14 lbs. $3.70

Loose



Cast Steel with Steel Guides

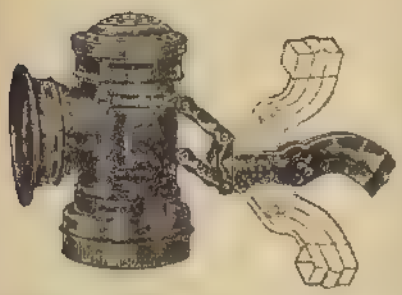
Nos.	V17	V20
Width of Jaws, inches	1¼	2
Extension of Jaws, inches	2¼	2½
Weight, lbs.	3½	5
Each	$2.60	3.60

Nos.	V22	V25	V30
Width of Jaws, inches	2¼	2½	3
Extension of Jaws, inches	2¾	3¼	4½
Weight, lbs.	7	9½	14½
Each	$4.60	6.30	8.70

Loose

BICYCLE LAMPS

OIL



No. 1640—Light Weight, brass, full nickel plated, height 6 in., 2½ in. lens, burning capacity 10 hrs., side lights green and ruby jewels, w't per doz. 12 lbs., Burns kerosene oil, per dozen $23 70

ONE IN A BOX

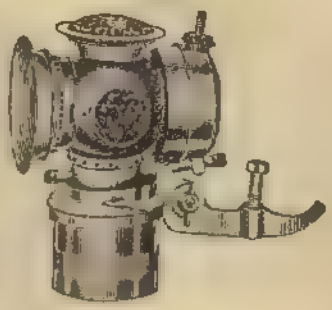
ACETYLENE GAS

No. 1641—Search-light, brass, full nickel plated, automatic in action, will not jar out, height 8 in., 2½ in lens, w't per doz. 24 lbs., per dozen $70.70

ONE IN A BOX

Our Very Best is the Very Best.

ACETYLENE GAS



Can also furnish Universal type bracket if desired at the same price.

No. 1642—Solar, made from heavy gauge sheet brass. Embodies the wick feed system of water control which has proven the best automatic system of gas generation known. All parts such as water valve, wick tube, burner socket, nuts, etc. are made from brass tubing or rod and interchangeable. Lamp is 7 in. high, has removable aluminum reflector, double convex lens 2⅜ in. in diameter, ground and polished, 1½ in. ruby and green side glasses. Heavily nickeled and polished. Projects an intense white light 100 feet ahead. Supplied regularly with Shipp bracket, as shown in cut. This bracket is attached to the handle bar and is adjusted by removing the bolt in handle bar stem using the bolt that comes with the bracket. W't per doz 25½ lbs. . . per dozen $72 00

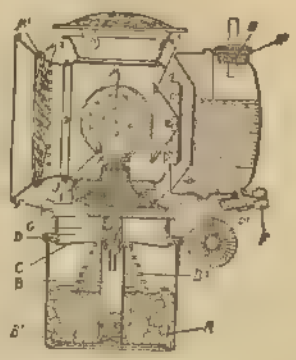
ONE IN A BOX

CARBIDE BURNERS

No. 1639—Fish tail flame, for lamps using large size lava tips, fits all standard bicycle lamps, w't, doz. 2 oz., per dozen $1.20

LOOSE

REPAIRS FOR NO 1642 SOLAR ACETYLENE GAS LAMPS



In ordering repair parts, please refer to cross section cut.

Nos.	Name of Part.	Per doz.
F2B	Screen tube	$4.10★
F2B1	Screen tube plate	2.00★
F2B2	Carbide spring	4.10★
F2C	Washer plate	2.00★
F2C1	Washer plate nut	2.00★
F2D	Rubber washer	2.00★
F2E	Fibre wick	2.00★
F2F	Wick tube cap	2.00★
F2F1	Wick tube	4.10★
F2G	Water valve	8.20★
F2G1	Water valve washer and nut	1.35★
F2H	Filler cap	2.00★
F2H1	Filler cap washer	.60★
F2I	Tip holder	2.00★
F2J	Tip	2.00★
F2K	Ratchet screw	3.00★
F2L	Reflector	4.10★
F2M	Jewel—red or green	3.00★
F2M1	Lens doors	6.00★
F2M2	Lens	5.40★
F2N	Bracket complete	10.00★
F2O	Bracket side R. H	3.00★
F2O1	Bracket side L. H.	3.00★
F2P	Clamp thumb screw	3.00★
F2Q	Clamp thumb screw nut	1.35★
F2R	Carbide tank	8.20★
F2S	Ratchet screw thumb nut	1.35★
F2T	Pivot bolt	2.00★
F2U	Pivot bolt nut	1.35★

★ Items Marked Thus ★ Are Shipped From Factory Only.

UNION CARBIDE

Prices on Application

No. F2.

No. F10.

"HALF-INCH" is specially selected and specially sized for use in automobile generators, bicycle lamps, motorcycle generators, hunters' lamps, fishing lamps, camping lamps, watchmen's dark lanterns' steam boiler inspection lamps, hand lanterns and numerous other small pieces of portable Acetylene apparatus designed for the use of Carbide of this size.

Because of its high gas yield, special selection, uniform size, freedom from dust, and its uniform quality, is most economical and satisfactory for use in apparatus for which this size of Carbide is adapted.

Each can is equipped with a compression top which can easily be replaced in position, so that the Carbide remaining in the can will be thoroughly protected from air and moisture.

Will keep indefinitely if protected from air and moisture.

No. 2—In 2 pound cans .....per case $.....

No. F10—In 10 pound cans★ .....per case .....

24 TWO-POUND CANS; 6 TEN POUND CANS IN A CASE WE DO NOT BREAK CASES OF TEN POUND CANS

No. F25.

No. F100.

"MINERS LAMP" is specially selected and perfectly adapted for use in miners' lamps

Because of its high gas yield, special selection, uniform size, freedom from dust, and its uniform quality, is the most economical and satisfactory Carbide for use in miners' lamps.

Packed in substantial sheet steel drums.

This very convenient 25-pound drum enables the dealer to get Carbide into the hands of the miner in an unbroken package, with no labor—no scooping, weighing or wrapping—and with no loss of Carbide from spilling or exposure.

No. F25—In 25 pound drums★ .....per 100 lbs. $.....

No. F100—In 100 pound drums★ .....per 100 lbs. .....

4 TWENTY-FIVE POUND DRUMS IN A CASE WE DO NOT BREAK CASES

Prices on other sizes of carbide not listed above can be had on application

BICYCLE BELLS

No. 1660 Hibbard—2¼ in., nickel plated and polished, wrought steel gong, bevel beading, push button, continuous alarm, w't per doz. 6½ lbs, per doz. ..$9.72

ONE DOZEN IN A BOX

No. 1661 Hibbard—2 in., nickel plated electric rotary alarm, bell metal gong, handsomely ornamented with fleur-de-lis design, bevel bead, w't per doz. 6 lbs., per dozen $8 64

ONE DOZEN IN A BOX

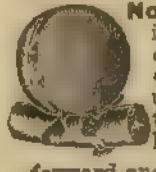
HIBBARD nickel plated and polished, rotary electric alarm, bevel beaded, wrought steel gong.

Nos.	1662	1663
Size, in.	2	2¼
W't, doz., lbs.	2½	3¾
Per dozen	$4.80	5.50

ONE DOZEN IN A BOX

No. 1664—Bronko, 3 in., nickel plated and polished bell metal gong, rotary electric alarm, operated by a lever, fastened to handle bar by lock clamp, w't per doz. 8 lbs., per dozen $15.36

ONE IN A BOX

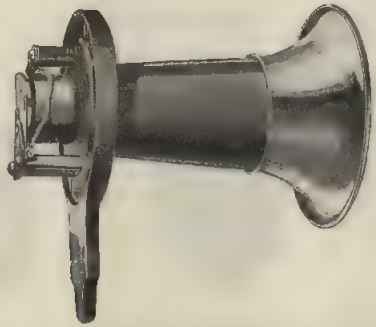


No. 1665—Hibbard, 2½ in., heavily nickel plated and polished, wrought steel continuous ringing chime, rotary electric alarm, alarm continuous during forward and backward action of the lever, w't per doz. 6½ lbs., per dozen $10.80

ONE IN A BOX

★ Items Marked Thus ★ Are Shipped from Factory Only.

AUTOMOBILE HORNS



ADAMS-BAGNALL

Sterling Silver Contacts Phosphor Bronze Main Spring Will Never Rust Nor Change Tension Hard Steel Diaphragm. Will Never Buckle Steel is Especially Selected and Heat Treated to Insure Molecular Stability Pin Riveted to Diaphragm—Not Soldered. No Exposed Binding Posts or Screws. No Loose Wire Leads from Coils. No Soldered Connections in the Horn to Vibrate Loose. Novel Method of Adjustment.

	Each		
No. M1AB—Black and Brass, also Black and Nickel	**$8.50**	---	---

Weight, each, about 4¼ pounds

KLAXON

Possesses the True Warning Note Loud, Abrupt, Penetrating It is Invariably Heard and Instantly Recognized as Meaning Automobile Danger It Never Fails to Get the Right Results. Is Operated by Means of a Push Button—From Six to Eight Volt Storage Battery. Its Note is Instantaneous and Entirely Independent of the Running of the Car.

	Each		
No. L—Long Projector	**$65.00**	----	----
No. S—Short Projector	**65.00**	----	----
No. C—Bulb Horn	**90.00**	----	----
No. MD—Swivel Bracket for Motor Boats	**65.00**	----	----

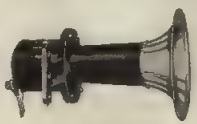
Weight, each, about 18 pounds.

KLAXET

Slightly Smaller than the Klaxonet, Operating on Exactly the Same Principle. High Grade and Thoroughly Efficient.

	Each		
No. L	**$21.00**	---	---

Weight, each, about 6 pounds.

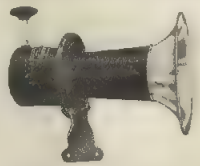


KLAXONET

Smaller than the Klaxon, but Operates on the Same Principle. Produces the True Klaxon Warning Note—Higher in Pitch, Lower in Volume. Can be Satisfactorily Operated on Four to Six Dry Cells.

	Each		
No. L—Long Projector	**$35.00**	----	----
No. S—Short Projector	**35.00**	----	----
No. C—Bulb Horn	**53.00**	----	----
No. MD—Swivel Bracket for Motor Boats	**35.00**	----	----

Weight, each, about 10 pounds

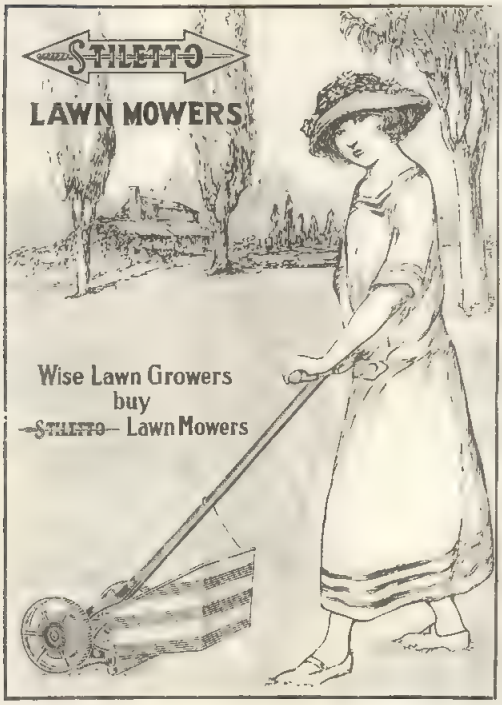


HAND KLAXON

Operates on the Klaxon Principle, Except that the Cam Wheel is Rotated by a Train of Gears Rather than an Electric Motor. These Gears Attain a High Speed by Simply Pressing Down the Push Rod Complete in Itself—No Outside Power is Necessary Designed Especially for Use on Cars Not Electrified

	Each		
No. L—Long Projector	**$18.00**	---	---
No. S—Short Projector, with Special Attaching Clamp for Motorcycles	**18.00**	---	---

Weight, each, about 7 pounds.


STILETTO
LAWN MOWERS
Wise Lawn Growers
buy
STILETTO Lawn Mowers

SPARK PLUG BRUSHES

Per Dozen

No. 89—Combination Steel Wires and Bristles, Fine Carbon Scrapers in Socket of Handle; Length, 7 inches; Weight per Dozen, 1¼ lbs..... **$4 00**

One Dozen in a Box

IGNITION GAUGES

AIRCO

You Can Instantly Detect Faulty Spark Plugs, Short Circuits and Leaks in the High-Tension Wiring. Faulty Spark Plugs, Short-Circuits, Leaking High-Tension Wires are Troubles with Which Every Motorist is Familiar.

By Using the Airco Ignition Gauge All These Troubles Can Be Instantly Located. It is Only Necessary to Hold the Gauge on the Plug or Run It Along the Wires.

There is No Danger in Using the Airco Ignition Gauge—Shocks are Impossible.

The Gauge is Simplicity Itself—It Is Instantly Ready for Use, No Wires Have to be Connected. It Fits the Vest Pocket and is Practically Indestructible.

The Airco Ignition Gauge Consists of a Hard Rubber Insulating Shell Into Which is Packed a Glass Tube of Neon, One of the Rarest of the Gases in the Air. When the Metal Cap, Which Seals One End of the Gauge is Brought into Contact with a Spark Plug or High Tension Electric Current, the Neon Becomes Luminous, Visualizing Accurately the Condition of that Part of the Ignition System Being Tested.

Per Dozen

No. AG—Weight, per Dozen, 2 lbs. **$18 00** 12 00

One Dozen on a Counter Display Card, Five Dozen in a Carton

WESTINGHOUSE SPARK-C

Spark C is Made of the Best Materials and Has No Parts Requiring Replacement. Continual Use is Not Liable to Exhaust.

Spark C Tells You Instantly if You Have an Open Circuit in High Tension Cable, Leaky Distributor, Defective Coil or Magneto or if Spark Plug is Fouled, Cracked Porcelain or Spark Gap too Small and Many Other Tests.

Per Dozen

No. SC—Length Over All, 7¼ inches; Weight per Dozen, ½ lb..... **$26 40** 18.00

One Dozen in a Counter Display Box

TRANSFORMERS

VAN KERR

For Pleasure Cars, Tractors, Motorcycles and Gas Engines.

DOES YOUR MOTOR PUMP OIL? DON'T WORRY.

Van Kerr Transformers Cure the Troubles Which are Due to This Condition. Their Patented Figure of Construction Allows the Current of Electricity to be Broken in the Open Air Without Danger of Igniting Any Vapors Under the Hood. The More Combustible Spark so Produced Burns Every Particle of Oil and Gas, Giving Greater Power and Leaving No Carbon. The Van Kerr Method of Ignition Eliminates the Necessity of Reboring Cylinders and Installing New Piston Rings, and Instantly Removes the Difficulty Caused by Motors Pumping Oil.

Per Set

No. K4—Complete Set of 4 for Four Cylinder Car..... **$2.40** 2 00
No. K6—Complete Set of 6 for Six Cylinder Car..... **3.00** 2.50

One Set in a Box; Weight 8 ozs.

Display Board Furnished Free Upon Request When 12 or More Sets are Ordered.

FLOWER VASES

Individuality is Embodied in this Graceful Hexagonal Design. Two Important Points of Construction, the Non-splash Effect at the Top of the Vase and the Anti-Rattle Feature at the Tip of the Bracket, Which Holds the Vase Absolutely Rigid Over the Roughest Roads.

Each

No. 106—6½ inches High; Weight Each, ½ lb.....**$2 50**

No. 108—8½ inches High; Weight Each, 1 lb..... **3.00**

One in a Box

Ornamental in Appearance and is Furnished so That the Glass Part Can Easily be Removed from the Holder and Placed Back Into Position Without the Least Inconvenience.

Complete with Screws for Attaching.

Each

No. 1707—7 inch Vase; Weight Each, ¾ lb.....**$3 20**

No. 1709—9 inch Vase; Weight Each, 1¼ lbs.... **4 50**

One in a Box

Beautiful in Design and Workmanship. The Non-splash Feature at the Top of the Vase, Prevents Water from Splashing Out, as the Car is Driven Over the Roughest Roads.

All Metal Parts Made of Brass in Silver Finish.

Each

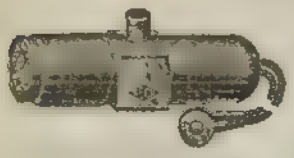
No. 2707—7 inch Vase; Weight Each, ¾ lb.....**$6 00**

No. 2709—9 inch Vase; Weight Each, 1¼ lbs.... **7.00**

One in a Box

CIGAR LIGHTERS

SECO



An All Purpose Cigar Lighter. Attaches to Battery, Complete with 6 feet of Silk Cord and Plain Terminals.

Each

No. 5—With 6 Volt Tip; All Nickel Plated; Weight Each, 1½ lbs. **$4.50**
Twelve in a Box

FLUSH TYPE

A Cigar Lighter Which is Always Ready and Yet Out of the Way. Lighter is Attached to a Reel Equipped with 4 feet of Duplex Silk Cord.

Each

No. 15FR—With 6 Volt Tip; All Nickel Plated; Weight Each, ½ lb **$10.00**
One in a Box

SURFACE TYPE

Very Easy to Attach.
Lighter is Attached to a Reel Equipped with 4 feet of Duplex Silk Cord.

Each

No. 15SR—With 6 Volt Tip; All Nickel Plated; Weight Each, ½ lb. **$11.00**
One in a Box

AUTO ASH TRAYS

With Match Box: Removable Glass Container in Ash Receiver, and Patented Match Box from Which Matches Cannot Spill. Top Cover on Ash Receiver so Ashes Will Not Blow Out.

Each

No. 1705—All Nickel Plated; Weight Each, 5 ozs..... **$8.00**
One in a Box

AUTO ASH TRAYS

The Most Practical and Sanitary Accessory for the Auto. It Keeps Your Car Free From Ashes at All Times. To Remove Ashes, Simply Unscrew Cup from Base. Made of Brass, Nickel Plated. The Glass Insert in Cup is Enameled in Red, Blue, Yellow or Green.

Each

No. 1003A—Size, 2¼x3½ inches; Ash Tray and Metal Box Holder; Weight Each, 5 ozs. **$3.50**
One in a Box

Each

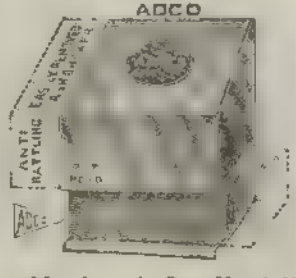
No. 1003—Size 4x4½ inches; Ash Tray Complete with Cigar Rack and Match Box Holder; Weight Each, 8 ozs..... **$5 50**
One in a Box

Combination Ash Receiver, Matchbox Holder and Cigar Rest for Enclosed Car Use—a Smoker's Necessity from the Standpoint of Convenience and Safety. A Highly Desirable Portable Feature is Obtained Through the Use of Two Slender Fastening Pins Attached to the Back of the Bracket. These Pins Hook Into, but Do Not Harm the Upholstery, Permitting the Receiver Being Instantly Placed for Use from Any Seat in the Car. For Permanent Attachment, Screws are Furnished.

Solid Brass Construction Throughout, Handsomely Nickel Plated. Ash Cup is Detachable for Cleaning Purposes—Very Sanitary.

Each

No. 100—Weight Each, 5 ozs..... **$3.50**
One in a Box



A Very Useful Accessory for any Automobile. Can be Quickly Attached to the Instrument Board, and is Always Handy. It is Made of Brass, Heavily Nickel Plated and Beautifully Polished. An Ornament on Any Car.

The Ash Drawer is Held Firmly with Spring Arrangement, so as Not to Rattle, and Permits Ashes to be Easily Removed. Match Box Can be Quickly Inserted, and is Always Ready for the Driver to Strike a Match with One Hand While He is Steering His Car with the Other

Comes Complete, with One Box of Matches and Necessary Screws for Attaching

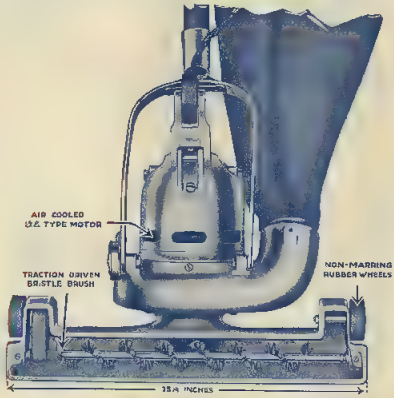
Each

No. 58—Weight Each, 4 ozs..... **$1.40**
One in a Box

Aladdin VACUUM CLEANER

The Wonder Cleaner

The greatest electric vacuum cleaner value in America—and we know them all. A high grade cleaner at a price that beats all others. It's a wonderful trade winner. Made by the largest manufacturer of electric vacuum cleaners in the world.



FREE Dealers' Helps

We will furnish a quantity of attractive 8 page folders, a display card and a newspaper electro to help you sell "Aladdin" Vacuum Cleaners. Ask for these FREE Dealers' Helps when you order.

Following Are a Few of Its Distinctive Features:

(1) **REVOLVING SPIRAL BRISTLE BRUSH**—Loosens the embedded dirt and sweeps up all lint, ravelings and surface litter.

(2) **G. E. TYPE MOTOR**—Air-cooled, no belts or cogs, fan forces air through motor and cools it during actual operation. This is a great point of superiority in the "Aladdin" motor.

(3) **TWILL BAG**—Handsome blue bag of fine-cut twill, air and dust tight. Slide on clamp—simply pull the clamp off the end of bag, empty it and slide the clamp on. A quarter turn fastens the bag onto cleaner by a bayonet lock—a quarter turn back and it is released for emptying.

(4) **NOZZLE ADJUSTMENT**—Cleaning nozzle can be raised and lowered by turning adjusting screw over the rear caster.

(5) **ALL ALUMINUM BODY**—All castings of highly polished aluminum.

(6) **PISTOL GRIP HANDLE**—Equipped with switch for instant starting and stopping.

(7) **FLEXIBLE COVERED CORD**—20 ft. long. When cleaner is not in use cord can be folded onto metal guides on handle.

(8) **NON-MARRING RUBBER CASTERS.**

(9) **EXTRA WIDE TAPERED NOZZLE**—13½ in. long, 1¾ in. wide, tapered so that it gets into the corners of rooms and stairs. It is unnecessary with the "Aladdin" to make a separate job of cleaning out-of-the-way places.

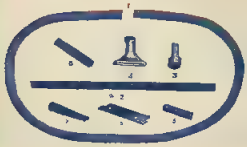
1H6900—110 volts, single phase motor, alternating or direct current.

1 in case 13 lbs. Each, **$28.50**

Lots of 3. Each, **$27.50**

Complete set of instructions for assembling and operating the "Aladdin" included with each cleaner

ATTACHMENT SET



1. Suction coupling.
2. Blower coupling.
3. 8 ft. of corrugated hose.
4. Long extension handle.
5. Short fiber handle.
6. Furniture nozzle.
7. Flexible rubber nozzle.
8. Floor plate.

1H8655—1 set in box, 4 lbs ....SET (8 pcs.) **$6.50**

THE TRADE MARK KNOWN IN EVERY HOME

UNIVERSAL

LANDERS, FRARY & CLARK, NEW BRITAIN, CONN., U.S.A.

ELECTRICAL APPLIANCES

These goods are well and favorably known all over the world. A big national advertising campaign makes selling easy for the merchants who display them. FREE dealers' helps on request.

All are for 110 volts alternating or direct current and have cord and plugs, guaranteed for 1 year

De Luxe Iron

1H3286—(Mfrs. 9101). "Universal" roundheel (De Luxe), 6 lbs., full nickel plated, electric thermocell, nichrome heating element, shaped rubberoid handle, toggle switch, with stand, gold and black cord. 1 in box.

Each, **$5.25**
Lots of 6, " **4.87**

Reversible Toaster

1H3716—"Universal," reversible type, 7 in. high, full nickel plated, patented easy swinging bread rack, cool fiber handles and feet. 1 in box.

Each, **$5.40**
Lots of 3, " **5.20**

4 Heat Grill

1H3147—"Universal," 4 heats, 8 in diam., 5¾ in. high, full nickel plated steel, fiber feet, 3 pans, ½, 1¼ and 2 in deep, ebonized wood handles, boils, broils, fries, toasts, cooks 2 things at once. 1 in carton, 5 lbs.

Each, **$8.75**
Lots of 3, " **8.13**

Loving Cup Percolator

1H5087—"Universal," loving cup pattern, 15½ in high, 9 cups, nickel plated copper body, ebonized handles. 1 in box.

Each, **$17.43**
Lots of 3, " **16.75**

Curling Iron

1H3303—"Universal," 10 in. long, 6 in rod, ⅝ in diam., nickel plated, 4 in. black enameled handle, swivel detachable connector plug. 1 in box.

Each, **$4.38**
Lots of 3, " **4.06**

Heating Pad

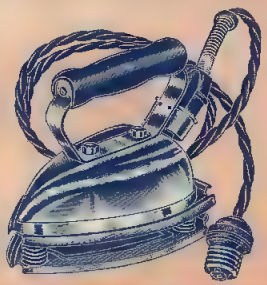
1H3304—"Universal," 12x15, 3 heats, controlled by switch on cord, thermostatic control makes overheating impossible, covered with grey elderdown, removable muslin slip, temperature will not fluctuate. 1 in box.

Each, **$7.00**
Lots of 3 " **6.50**

Percolator Set

1H5088—"Universal," 4 pieces, nickel plated, 9 cup, loving cup pattern percolator, 16½ in. high, gold lined colonial creamer and sugar, 12x18 colonial tray. 1 set in box, 16 lbs.

SET (4 pcs.) **$30.63**



"Universal" Roundheel Electric Iron

A popular number that should be included in every stock. Our price is right.

1H3290—(Mfrs 909). "Universal," roundheel, 6 lbs., full nickel plated, latest developments in electric iron, nichrome wire heating element, ebonized handle with reversible heatproof spring stand. 1 in box.

Each, **$4.73**
Lots of 6, " **4.39**

Aladdin VACUUM CLEANER

The Wonder Cleaner

The greatest electric vacuum cleaner value in America—and we have examined them all. A high grade cleaner at a price that beats all others. It's a wonderful trade winner. Made by the largest manufacturer of electric vacuum cleaners in the world.

FREE FOLDERS

We will furnish a quantity of attractive 8-page folders which will help you sell "Aladdin" cleaners. Ask for these FREE folders when you order

Following Are a Few of Its Distinctive Features:

(1) **REVOLVING SPIRAL BRISTLE BRUSH**—Loosens the embedded dirt and sweeps up all lint, ravelings and surface litter

(2) **G. E. TYPE MOTOR**—Air-cooled, no belts or cogs, fan forces air through motor and cools it during actual operation. This is a great point of superiority in the "Aladdin" motor

(3) **TWILL BAG**—Handsome blue bag of finest twill, air and dust tight. Slide on clamp—simply pull the clamp off the end of bag, empty it and slide the clamp on. A quarter turn fastens the bag onto cleaner by a bayonet lock—a quarter turn back and it is released for emptying.

(4) **NOZZLE ADJUSTMENT**—Cleaning nozzle can be raised and lowered by turning adjusting screw over the rear caster.

(5) **ALL ALUMINUM BODY**—All castings of highly polished aluminum.

(6) **PISTOL GRIP HANDLE**—Equipped with switch for instant starting and stopping.

(7) **FLEXIBLE COVERED CORD**—20 ft. long. When cleaner is not in use cord can be folded onto metal guides on handle.

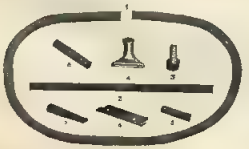
(8) **NON MARRING RUBBER CASTERS.**

(9) **EXTRA WIDE TAPERED NOZZLE**—13½ in. long, 1⅞ in. wide, tapered so that it gets into the corners of rooms and stairs. It is unnecessary with the "Aladdin" to make a separate job of cleaning out-of-the-way places.

1H6900—110 volts, single phase motor, alternating or direct current. 1 in case, 12 lbs.

Lots of 3, Each, **$25.75** Each, **$26.50**

ATTACHMENT SET



Suction coupling.
Blower coupling.
8 ft. of corrugated hose.
Long extension handle.
Short extension handle.
Nozzle brush.
Furniture nozzle.
Flexible rubber nozzle.
Floor plate.

1H6655—1 set in box, 4 lbs.... SET (9 pcs.) **$6.50**

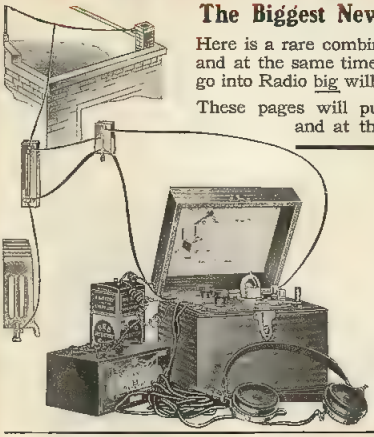
COMPLETE SET of instructions for assembling and operating the "Aladdin" included with each cleaner.

COMPLETE RADIO SETS

The Biggest New Thing for Home Entertainment

Here is a rare combination—an article that runs into big money and at the same time sells like hot cakes. The merchants who go into Radio big will be mighty glad they did.

These pages will put you into the radio business completely and at the lowest prices in America.



"AERIOLA SR." RECEIVING SET

This "Aeriola" is being advertised all over the country by the Radio Corporation of America.

1H7929—"Aeriola Sr." Complete with parts for operating. The only receiver on the market that does not require a storage battery. A dry cell is used to light the tube. This set will receive stations broadcasting on wave lengths of 100 to 500 meters and excellent results are obtained at distances of 75 miles. Under favorable conditions static as several hundred miles away can be heard. The operation is very simple, turning one lever is all that has to be done to hear concerts, weather reports, etc. This outfit includes one extra battery. Outfit consists of

Model RF "Aeriola Sr." Vacuum Tube Receiving Set. (As listed on nearby page under 1H6693 at $48.75 each.)
1 set 2,000 ohm Headphones
1 WD-11 Acoustic Detector Tubes
1 complete Antenna Set, consisting of Wire, Lightning Arrester, Ground Clamp, etc.
2 1½ volt "Red Seal" Dry Batteries.
1 only 22½ volt variable "B" Battery.

Set, **$52.50**

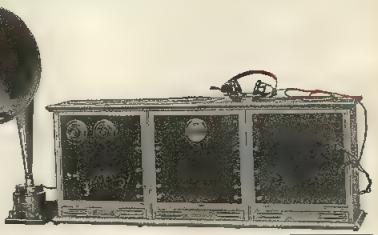
COMPLETE DEMONSTRATION OUTFIT
With "Magnavox" Loud Speaker

Merchants, as well as their customers, who have bought this set, find it exceeds all that is claimed for it.

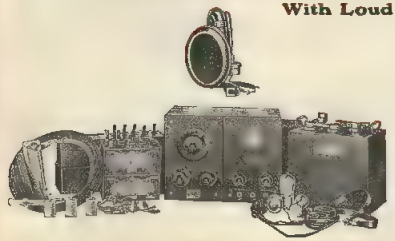
1H2384—A complete 3 unit set with loud speaker that can be used with the best results for either store demonstration purposes or home use. Will receive stations broadcasting on wave lengths of 160 to 1,000 meters. At distances of 350 miles with loud speaker brings in broadcasting stations loud enough to be heard at a considerable distance. With the telephones stations 800 miles away can be heard. There are one solid oak, waxed gray finish cabinets that fit into a top and bottom frame giving the appearance of one unit. Batteries are placed inside, cabinet. Set is 33 in. long, 14 in. high and 10 in. deep. Outfit consists of

1 Tuner Detector Unit
1 Cabinet for Storage Battery
1 Two Stage Amplifier Unit
1 "Magnavox" Loud Speaker
1 set 2,000 ohm Head Phones.
1 V V 200 Detector Tube.
1 V V 201 Amplifier Tube
1 V V 202 5 Watt Amplifier Tube.
1 six v. 16 Ampere Storage "A" Battery
2 22½ volt variable "B" Batteries
2 45 volt variable "B" batteries
1 complete Antenna Set, consisting of wire, lightning arrester, ground clamp, etc.
1 Set "Radio" Window Streamers.

Set, **$165.00**



"WESTINGHOUSE RC" COMBINATION SET
With Loud Speaker



There is no better set for all-around broadcasting reception purpose than this superior product of the Radio Corporation of America. It is a scientific triumph of the Westinghouse engineers.

A complete receiving set that gives results unequaled by any medium priced set on the market. The receiver is made by the Westinghouse Electric Co. and is so simple to operate that any beginner can secure perfect results. Will receive stations broadcasting on wave lengths of 150 to 700 meters, ocean, market reports etc. can be heard at distances of 470 to 500 miles. The parts composing this set from the aerial to loud speaker were selected after many trials and experiments by our experts to make the best possible combination. Outfit consists of

1 Model R C Westinghouse Receiving Set. (As listed on nearby page under 1H6693 at $39.28 each.)
1 pr. 2,000 ohm Head Phones
1 V V 200 Detector Tube.
1 V V 201 Amplifier Tube.
1 V V 202 5 Watt Amplifier Tube.
2 22½ volt Variable "B" Batteries
1 six volt 90 ampere storage "A" Battery.
2 45 volt Variable "B" Batteries
Complete Antenna Set, consisting of wire, Lightning Arrester, Ground Clamp, etc.

1H7932—Complete set with "Vocarola" loud speaker. Set, **$179.50**

1H7980—Complete set with "Magnavox" loud speaker. Set, **195.00**

VACUUM CLEANERS

Two famous brands—favorably known from one end of America to the other

Aladdin

The Wonder Cleaner

Made by the largest manufacturer of Electric Vacuum Cleaners in the world. There is no better cleaner on the market in construction and performance than the "Aladdin." Combines excellence in construction and operation with moderate price. Following are a few of its distinctive features:

(1) **Revolving Spiral Bristle Brush**—Loosens the embedded dirt and sweeps up all lint, ravelings and surface litter.

(2) **G. E. Type Motor**—Air cooled, no belts or cogs, fan forces air through motor and cools it during actual operation. This is a great point of superiority in the "Aladdin" motor.

(3) **Twill Bag**—Handsome blue bag of finest twill, air and dust tight. Slide on clamp—simply pull the clamp off the end of bag, empty it and slide the clamp on. A quarter turn fastens the bag onto cleaner by a bayonet lock, a quarter turn back and it is released for emptying.

(4) **Nozzle Adjustment**—Cleaning nozzle can be raised and lowered by turning adjusting screw over the rear caster.

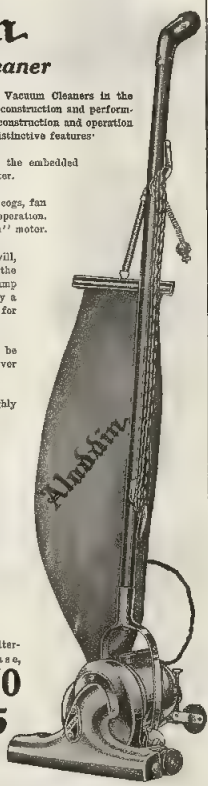
(5) **All Aluminum Body**—All castings of highly polished aluminum.

(6) **Pistol Grip Handle**—Equipped with switch for instant starting and stopping.

(7) **Flexible Covered Cord**—20 ft. long, with plug. When cleaner is not in use cord can be folded onto metal guides on handle.

(8) **Non-Marring Rubber Casters.**

(9) **Extra Wide Nozzle**—13¼ in. long, 1¾ in. wide, tapered so that it gets into the corners of rooms and stairs. It is unnecessary with the "Aladdin" to make a separate job of cleaning out of the way places.



1H6900—For 110 volts, single phase motor, alternating or direct current. 1 in case, 12 lbs.

Each, **$26.50**

Lots of 3, " **25.75**

Complete set of instructions for assembling and operating the "Aladdin" included with each cleaner.

FREE FOLDERS & DISPLAY CARD

We will furnish a quantity of attractive 8-page folders and a display card which will help you sell "Aladdin" cleaners. Ask for these FREE folders and display card when you order.

ATTACHMENT SET

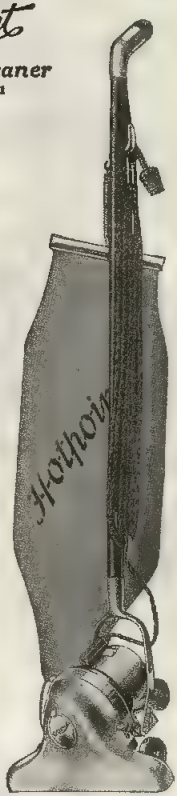
Suction coupling
Blower coupling
8 ft. of corrugated hose.
Long extension handle.
Nozzle brush.
Furniture nozzle.
Flexible rubber nozzle.
Floor plate.

1H6655—1 set in box, 4 lbs .. SET (8 pcs.) **$6.50**

Hotpoint

Vacuum Cleaner

MODEL V21



Made by the nationally known Edison Electric Appliance Company. Extensively advertised and mighty easy to sell.

ADJUSTABLE NOZZLE—1 in. wide, 13½ in. long, tapered at ends. Cleans in corners and hard-to-get-at places, can be raised and lowered.

AGITATING NOZZLE BRUSH—Loosens the stubborn surface litter on rug or carpet.

HORIZONTAL MOTOR—Air-cooled. Universal type, 0 to 60 cycles, has tremendous suction capacity.

PRESSED STEEL FAN—Blades electrically welded to flanged steel baffle plate, accurately balanced and self-cleaning.

DUST BAG—Highest grade twill cotton, dust trap prevents dirt from falling back into motor and from spilling on floor when being detached.

HAND GRIP HANDLE—Switch encased in aluminum grip with pneumatic rubber switch control.

1H7986—(Mfrs. 112V21). For 110 volts, alternating or direct current. Universal motor. 1 in case, 11 lbs.

Lots of 4, Each, **$29.25** Each, **$31.50**

Can be furnished in odd voltages at no additional charge.

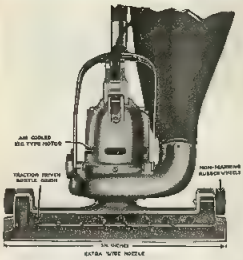
Attachment Set

8 ft. fabric covered rubber hose, reinforced.
Suction connection piece.
Blower connection piece.
Extension tube.
Short extension tube.
Radiator or tufting tool
Upholstery nozzle.
Special high grade clothes cleaning brush

1H7987—(Mfrs. 112V2A). 1 set in box, 8 lbs.. SET (8 pcs.) **$6.50**

DUE NET JULY 1, 1923

Sell Vacuum Cleaners and Washing Machines on Time-Payment Plan



"ALADDIN" VACUUM CLEANER

NO INVESTMENT—You can get a Vacuum Cleaner FREE

HERE'S THE PLAN:

Order as a sample the number shown below and use it to take orders. Your order will be recorded on our ledger as due not July 1, 1923. If by that date you have purchased 3 additional "Aladdin" Cleaners and paid for them according to our regular terms we will send you a Credit Memorandum for the full amount of the original sample.

Following Are a Few of Its Distinctive Features:

(1) **REVOLVING SPIRAL BRISTLE BRUSH** Loosens the embedded dirt and sweeps up all lint, ravelings and surface litter.

(2) **C. E. TYPE MOTOR—Air-cooled** no belts or cogs fan forces air through motor and cools it during actual operation. This is a great point of superiority in the Aladdin motor

(3) **TWILL BAG** Handsome blue bag of finest twill, air and dust tight. Slide on clamp—simply pull the clamp off the end of bag, empty it and slide the clamp on. A quarter turn fastens the bag onto cleaner by a bayonet lock—a quarter turn back and it is released for emptying

(4) **NOZZLE ADJUSTMENT** Cleaning nozzle can be raised and lowered by turning adjusting screw over the rear caster

(5) **ALL ALUMINUM BODY**—All castings of highly polished aluminum

(6) **PISTOL GRIP HANDLE**—Equipped with switch for instant starting and stopping

(7) **FLEXIBLE COVERED CORD**—20 ft. long When cleaner is not in use cord can be folded onto metal guides on handle

(8) **NON-MARRING RUBBER CASTERS.**

(9) **EXTRA WIDE TAPERED NOZZLE**—3¼ in. long 1⅝ in. wide tapered so that it gets into the corners of rooms and stairs. It is unnecessary with the "Aladdin" to make a separate job of cleaning out-of-the-way places

1H6800—110 volts, single phase motor, alternating or direct current. 1 in case. 12 lbs
Lots of 3.

Each, **$25.75** Each **$26.50**

Complete set of instructions for assembling and operating the Aladdin included with each cleaner

ATTACHMENT SET

Suction coupling
6 ft. of corrugated hose.
Nozzle brush
Flexible rubber nozzle

Blower coupling
Long extension handle
Furniture nozzle.
Floor plate

1H6655 -4 set in box, 4 lbs. SET 8 pcs.) **$6.50**

8 page folders and counter display card furnished FREE on request

"ALADDIN" WASHING MACHINES

You can get one of these "Aladdin" machines FREE on the following plan:

Order as a sample either of the 2 numbers shown below and use it to take orders. Your order will be recorded on our ledger as due not July 1, 1923. If by that date you have purchased 5 additional "Aladdin" Washing Machines and paid for them according to our regular terms we will send you a Credit Memorandum for the full amount of the original sample.

IMPROVED MODEL "A"

BODY All metal, heavy copper or tight coated galvanized steel double seamed smooth finish at top and inside, 1 piece cover with handle. Frame painted with 3 coats of white enamel, also body of W3710

WRINGER Reversible, swings and locks in 5 different positions, best quality 11 in. power electric rubber rolls, latest improved safety release, wringer positively will not sag

MOTOR—½ h. p., guaranteed, oversize, continuous duty, 110 volts, 60 cycles, alternating current.

CYLINDER—White maple, smooth, easily cleaned and sanitary, revolves 6 times and then reverses without slightest jar

MECHANISM—Vertical driving shaft, no belts or chains, all moving parts except motor shaft inclosed, special patented reversing mechanism prevents locking of machine, special pulley on motor shaft can be used to run other household appliances.

CONTROL—All control levers conveniently placed for the operator to use and still allow the machine to be moved against the laundry tubs
Be sure to SPECIFY current, voltage and cycle wanted

W3710 Galvanized steel body, capacity 6 sheets. Crated, 265 lbs. Each, **$75.00**

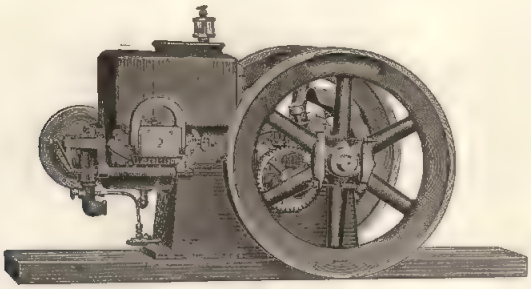
W3711—Copper body, capacity 6 sheets. Crated, 260 lbs. Each, **94.00**

Currents and voltages other than 110 volts, 60 cycles alternating current, furnished at a slight increase in cost.

DEALER HELPS For merchants who sell the "Aladdin" Model "A"—V1293 and V1545 Newspaper Electros, V1336 Movie Slide and V1837 six page folder imprinted with dealer's name. Order any or all of them by number. They are free

GASOLINE AND DISTILLATE ENGINES

ALAMO



2½ HORSE POWER

The Two and One-half Horse Power Alamo Engine is considerably heavier than the One and One-half Horse Power, but light enough to be easily moved about and very easy to start and operate. It is the biggest labor saver on the farm. We urge our customer in selecting an engine to get one with surplus power. A larger engine will do all that a smaller one will, satisfactorily, and often extra power is found very valuable.

Alamo Engines are finished with the greatest care in every detail, every part that enters into their construction is carefully tested and inspected. These engines run with a steadiness and dependability not found in engines which are less carefully manufactured.

Some of the outstanding features incorporated in our 2½ H. P. Engines:

Main bearings tilted at an angle of thirty degrees to lengthen their life.

Governor weight collar is fastened on the outside of the fly wheel so that it can be easily removed without removing or disturbing the fly wheel.

Hot type of cylinder head to assist in vaporizing fuel, thereby increasing the efficiency of the engine.

Large and finely balanced fly wheels.

Mixer has one adjustment.

Ground and polished crank shaft made of the very best material.

Engine has only two gears which are machine cut.

Cam and cam gear cast separately.

Large grease cups on main bearings.

Positive lock grease cup on connecting rod.

Large water hopper for cooling.

Valves are extra large with cast iron heads and nickel steel stems.

Four ring piston provided with oil grooves to make certain of lubrication.

Heavy galvanized iron gasoline tank in base.

Ignition—Webster oscillating magneto.

Equipment

All 2½ H. P. Alamo Stationary Engines are regularly equipped with muffler, Webster oscillating magneto, solid iron pulley, wrenches, oilers, oil can and a fuel tank in base of engine of sufficient capacity for a full day's run.

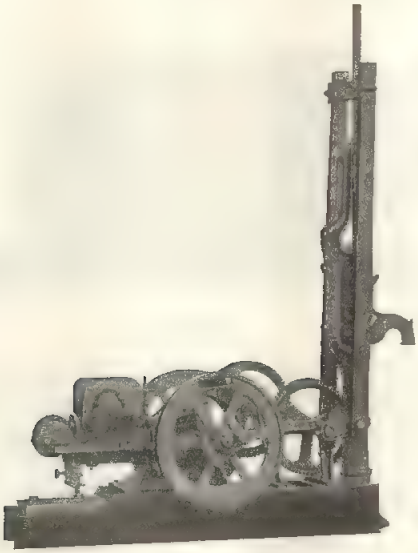
Specifications

H.P.	Speed R.P.M.	Floor space	Base pulley Diam.	Base pulley Face	Crank shaft	Exhaust pipe	Bore	Stroke	Hopper capacity	Shipping weight	Each
2½	500	25x37 in.	5 in.	4 in.	1⅝ in.	1¼ in.	4½ in.	6 in.	8 gals.	380 lbs.	$150.00

One in a crate.

GASOLINE AND DISTILLATE ENGINES

ALAMO



1½ HORSE POWER DIRECT CONNECTED PUMP JACK

The 1½ H. P. Alamo Direct Connected Pump Jack is designed to work with any ordinary force pump or windmill standard This combination outfit is compact and especially suitable for pumping purposes where space is limited. It consists of a regular 1½ H. P. Alamo Engine equipped with the Webster magneto, direct connected to a single, cut geared Pump Jack mounted on a substantial wooden base.

The Jack has cut gears throughout and being geared direct to the pump does away with the use of belts entirely. By removing four base bolts the engine can be used for general farm purposes without disturbing the pump or jack.

This outfit makes one of the handiest and most economical pieces of machinery that can be installed

Complete strokes per minute 40.

Length of strokes, 4, 7 and 9 inches

Grease cups on all bearings.

Machine cut gears throughout.

Jack base webbed on bottom for additional strength

Jack of the single gear type, adjustable for any height pump

Equipment

All 1½ H. P. **Direct Connected Pump Jacks** are regularly equipped with muffler, Webster oscillating magneto, solid iron pulley, wrenches, oilers and oil can, and a fuel tank of sufficient capacity for one day's run.

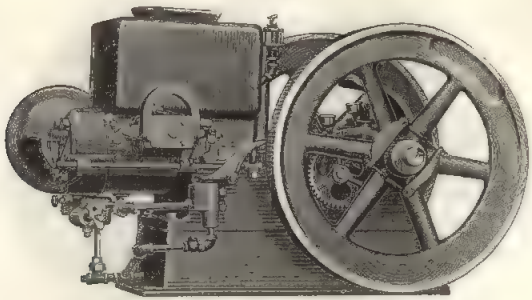
Specifications

H.P.	Speed R.P.M.	Floor space	Shipping wt.	Each
1½ ..	600.	21x48 in.	375 lbs.	$150.00

One in a crate.

GASOLINE AND DISTILLATE ENGINES

ALAMO



6½ HORSE POWER

The Alamo Six and One-half Horse Power is an all around general power purpose engine. It is regularly furnished with the modern and up-to-date attachments and is eminently an engine of service. For the farm it will do all the work that the smaller sizes will do and where the engine can be set on a permanent foundation and various machines run from a line shaft, this is an ideal engine for the average condition. This is also the most popular size for blacksmith shops, machine shops, retail lumber yards, and all places where an engine of this size is required.

These engines are built for hard work and continuous service and will deliver their rated power with ease under all conditions with a liberal overload capacity.

Some outstanding features incorporated in our 6½ H. P. Engines:

Well-known four stroke cycle type, attractive in appearance, symmetrical in design and substantial in operation, with liberal bearing surfaces for all moving parts.

Hopper Jackets—Are large and require a minimum amount of water for cooling.

Crank Shaft—Is forged from solid billet of open hearth crank shaft steel, heat treated, carefully machined and ground accurately to size.

Main Bearings—Are large, set at a thirty degree angle and are lined with the very best grade of babbitt metal.

Piston—Is of the trunk pattern, ample length, machined and ground to size. Provided with four expansion rings perfectly fitted to the grooves in the piston. Oil grooves are also provided to make certain of perfect lubrication of all parts of the piston and rings.

Piston Wrist Pin—Is large of size, case hardened, ground and polished, and securely fastened in a manner which makes it quite impossible for it to come loose.

Cylinder—Is cast from a special mixture of charcoal iron, which makes a casting of great strength, density and of the greatest wearing quality.

Cylinder Head—Thoroughly jacketed and provided with large valves. The valves have cast iron heads and nickel steel stems.

Governor—The hit and miss type, recognized as the most satisfactory in engines for general hard service and the most economical in fuel.

Carburetor—Has only one adjustment. It is not affected by climatic conditions and engine starts readily in all weather. A perfect working carburetor is of the greatest importance, for the satisfactory operation of an engine. The carburetor is designed especially for this size engine and will control the mixture perfectly under all conditions.

Gasoline Pump—Has no packing whatever and as it is placed above the level of the carburetor there is no possible chance for any leak of gasoline resulting in an insufficient supply of fuel to the carburetor. Plunger has ball check valve and can easily be removed without disturbing other working parts of the engine.

Speed Changing Lever—Enabling the operator to vary the speed of the engine twenty-five per cent while running.

Ignition—Webster Tri-Polar Oscillator.

Equipment

All 6½ H. P. Alamo Stationary Engines are regularly equipped with muffler, Webster Oscillating magneto, solid iron pulley, wrenches, oilers, oil can, and have fuel tank in the base of engine of sufficient capacity for one day's run. Friction clutch pulley can be furnished as an extra if so required.

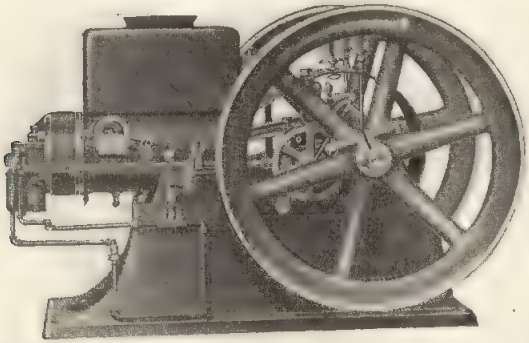
Specifications

H.P.	Speed R.P.M.	Floor space	Size pulley Diam.	Size pulley Face	Crank shaft	Exhaust pipe	Bore	Stroke	Hopper capacity	Shipping weight	Each
6½	860	35x57 in.	12 in.	6 in.	2 in.	2½ in.	6 in.	9 in.	13½ gals.	1145 lbs.	$380 00

One in a crate.

GASOLINE AND DISTILLATE ENGINES

ALAMO



9, 12 AND 15 HORSE POWER

The Alamo Stationary Engines of 9, 12 and 15 Horse Power sizes are intended for general power service. They are powerful, well designed engines, reliable and economical and adapted for all classes of work.

Elevators, mills, machine shops, etc., are using a large number of these engines with the most satisfactory results.

The carburetor on these engines has been pronounced superior to any used elsewhere on this type of engine. The engines run with very low internal friction, are easy to start, absolutely reliable and for ordinary service a more satisfactory engine has never been built.

Some of the outstanding features incorporated in our 9, 12 and 15 Horse Power Alamo Engines.

Crank Shaft—Is forged from a solid billet of open hearth steel heat treated, machined ground and polished.

Connecting Rod—I beam type. Piston end is provided with a bronze bearing and is adjustable so that wear can easily be taken up.

Cooling System—Open jacket type, eliminating circulating pumps and outside cooling tanks.

Cylinder Head—Thoroughly water jacketed. Water circulates around the valves keeping them cool.

Gasoline Pump—Has no packing whatever and, as it is placed above the level of the carburetor, there is no possible chance for any leak of gasoline.

Crank Shaft Bearings—Are large and lined with the very best grade of babbitt metal. Bearings set at an angle of thirty degrees. This is a very desirable construction, since the thrust due to the explosions is taken up with much less strain on the bearings.

Heavy Sub-Base—May be removed if engine is to be mounted.

Fly Wheels—Are large and perfectly balanced.

Large Valves—With cast iron heads and nickel steel stems.

Piston—Is provided with four expansion rings, also oil grooves to make certain of proper lubrication.

Lubrication—Connecting rod is lubricated by a wipe feed oiler. Main bearings are lubricated by large sight feed oilers.

Governor—Fly ball gear driven, hit and miss principle, recognized as the most satisfactory and economical.

Speed Changing Screw—Speed can be changed while the engine is running.

Ignition—Webster Tri-Polar Oscillator.

Equipment

All 9, 12 and 15 H. P. Alamo Stationary Engines are regularly equipped without extra charge with a Webster oscillating magneto, wipe feed oil system, muffler attached, wrenches, oilers and oil can. 9 H. P. has fuel tank in the base of the engine of sufficient capacity for one day's run. 12 horse power and 15 horse power engines are supplied with 60 gallon outside fuel tank. Plain or clutch pulley can be furnished as an extra if desired.

Specifications

H.P.	Speed R.P.M.	Floor space	Crank shaft	Exhaust pipe	Bore	Stroke	Hopper capacity	Approximate shipping wt.	Each
9	300	41x68 in.	2½ in.	2½ in.	7 in.	10 in.	16½ gals.	1950 lbs.	$700.00
12	250	48x75 in.	3 in.	2½ in.	7¾ in.	12 in.	18 gals.	2600 lbs.	900.00
15	280	48x75 in.	3 in.	3 in.	8¼ in.	12 in.	25 gals.	2800 lbs.	1026.00

One in a crate.

ALAMO ENGINES

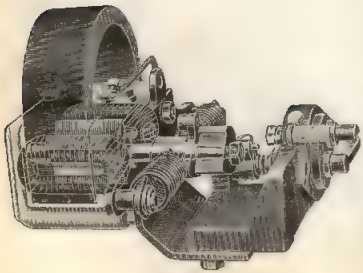
Engine With Fly Wheel Removed Showing Working Parts

Alamo Engines are the result of twenty-five years of gasoline engine experience combined with engineering skill and best factory practice. They are of the well known four stroke cycle type, governed by the "hit and miss" principle which is acknowledged the most satisfactory for general service and most economical in fuel.

The engines are all attractive in appearance, symmetrical in design and substantial in operation, with liberal bearing surfaces for all moving parts. They have large hopper jackets, require a minimum amount of water for cooling; have the highest type of oscillating magneto. They are manufactured by modern methods in our up-to-date factory equipped with the latest and most efficient machine tools. Nothing but the highest grade material enters in their construction and the workmanship is of the highest quality.

MAGNETOS

WEBSTER



Webster Magneto

Alamo engines are equipped with Webster magnetos because Webster low tension ignition is uniformly dependable over long periods of time and because it insures easier starting. A Webster equipped Alamo engine will perform flawlessly in wet weather or dry; during the long hot day of summer, through wet springs and falls, and on the coldest days in winter. Break downs due to faulty ignition are practically unknown.

The Webster magneto is dependable because it has no gears, no brushes, no moving wires, no rubbing contacts to be damaged by excessive speeds; because it has nothing to wear out and nothing to get out of order. The magnetos are of the finest magnet steel. The permanent, rigidly fixed windings are absolutely water proofed. The unwound inductor runs on a solid shaft in heavy bronze bearings. Every part is built to insure steady, sure spark action. The magneto functions only when there is a charge of "gas" in the cylinder to be fired. The Webster magneto works only part of the time that the engine is in operation. This accounts for the long life of this ignition unit. Thousands of Alamo engine owners swear by Webster ignition. They know there is no substitute for it.

ENGINE DRIVEN MOUNTED SAWING OUTFITS

PERFECTION

4½, 6½ AND 9 HORSE POWER

These rigs are built to supply the demand for a moderate priced high grade sawing outfit. They are unquestionably the most satisfactory outfits on the market today. As every piece that goes into their assembly is of the highest quality obtainable, they can be relied upon not only to do the most satisfactory work, but to outlast many times outfits of cheaper construction. The best is the cheapest in the long run.

Saw Frame—The No. 62 all steel saw frame embodies a number of improvements over other makes and has proven to be the most popular sliding frame ever made. The sliding table is mounted on rollers which slide easily on an angle steel track. Front part of saw table entirely covered with sheet iron and has a 10-inch extension at left of blade. Frame is fitted with a 1⅞-inch mandrel turned to 1⅝ inches for saw blade. Boxes on saw arbor are of the self adjusting type, lined with a high grade metal which makes a non-heating bearing that will last a life time if properly oiled. Balance wheel is carried on an independent shaft, located underneath the table, fitted with adjustable hangers to take up slack in belt. This is a very desirable feature as it permits cord wood or poles of any length to be cut. In addition to this, the location of the fly wheel gives the outfit balance and overcomes vibration, common to rigs of other construction.

Truck. All steel and of proper construction to withstand any vibration or strain to which it may be subjected. Fitted with 6 inch channel beams on which both engine and saw frame are mounted. The trucks have solid steel axles and wide tired wheel, channeled to prevent skidding. Braces for truck wheels are not required while operating as each outfit is individually balanced.

Engine. Regular Alamo Type M, with Webster Oscillating Magneto using either gasoline or distillate for fuel. Alamo Kerosene Engine can be furnished if desired. The Alamo is the highest grade engine obtainable, and is fully guaranteed.

Equipment

Engine fitted with friction clutch pulley of suitable diameter, complete with belting. Saw frame regularly equipped with 26 inch blade. Besides 18 to 30 inches in diameter can be furnished in place of 26-inch if desired. Outfit is absolutely complete and ready to operate. All outfits are shipped with pole, but doubletrees and neckyoke are not included.

WITH GASOLINE AND DISTILLATE ENGINE

H.P.	Speed R.P.M.	Crank shaft	Diam. truck wheels Front	Rear	Size tires	Size axle	Shipping wt.	Each
4½	385	1¾ in.	26 in.	34 in.	4x⅝ in.	2 in.	2000 lbs.	$750.00
6½	360	2 in.	26 in.	34 in.	4x⅝ in.	2 in.	2500 lbs.	865.00
9	300	2½ in.	26 in.	34 in.	4x⅝ in.	2 in.	3300 lbs.	1240.00

WITH KEROSENE ENGINE

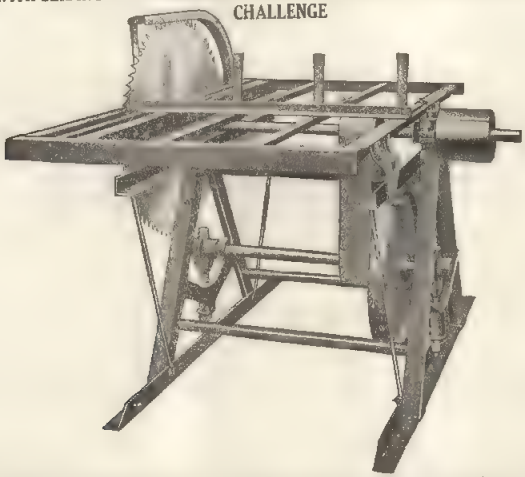
H.P.	Speed R.P.M.	Crank shaft	Diam. truck wheels Front	Rear	Size tires	Size axle	Shipping wt.	Each
4½	385	1⅞ in.	26 in.	34 in.	4x⅝ in.	2 in.	2000 lbs.	$765.00
6½	360	2 in.	26 in.	34 in.	4x⅝ in.	2 in.	2500 lbs.	885.00
9	300	2½ in.	26 in.	34 in.	4x⅝ in.	2 in.	3300 lbs.	1275.00

Loose.

WOOD SAWING OUTFITS

NO. 62, ALL STEEL WITH SLIDING TABLE. COMPLETE WITH BLADE. EXTRA HEAVY DUTY. FOR GENERAL WORK

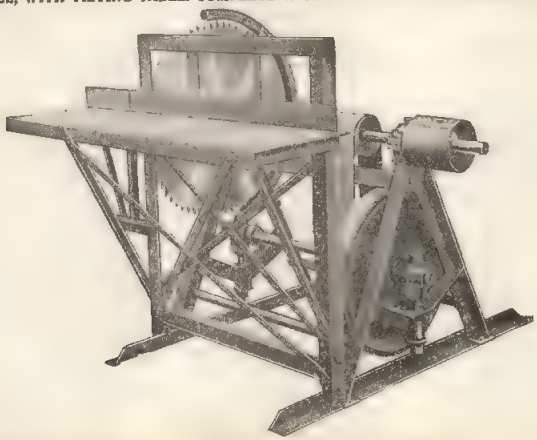
CHALLENGE



All steel frame, fitted with 1 7/8-inch mandrel turned to 1 3/8-inch for blade. The boxes on saw arbor are of the self-adjusting type, lined with a high grade metal which makes non-heating bearing that will last a lifetime if properly oiled. Balance wheel shaft is fitted with adjustable hangers to take upslack in belt. The balance wheel being located underneath table on independent shaft, permits of cordwood or poles being cut in any length desired, in addition to which its location gives the outfit balance and overcomes vibration common to frames of other construction. The front part of table is entirely covered with sheet iron and has a 10-inch extension at left of blade. These are not shown in illustration. Saw blade is protected by substantial steel guard and permits of using any size blade from 18 to 30 inches in diameter. Sliding table mounted on roller bearings which slide easily over angle steel track.

No.	With size blade	Size pulley	Speed R.P.M.	Wt. each	Each
62	26 in.	6x6 in.	1500	450 lbs.	$112.00

NO. 61, ALL STEEL, WITH TILTING TABLE. COMPLETE WITH BLADE. FOR CORDWOOD OR POLE SAWING

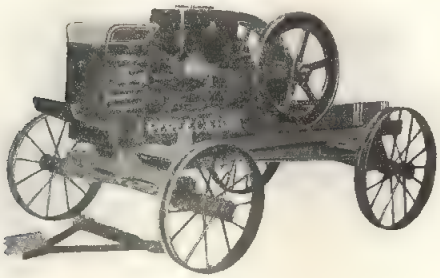


General construction and specifications same as No. 62 sliding table frame, but with tilting table.

No.	With size blade	Size pulley	Speed R.P.M.	Wt. each	Each
61	26 in.	6x6 in.	1500	400 lbs.	$96.00

PORTABLE ENGINES

ALAMO



4½ AND 6½ HORSE POWER

The 6½ horse power portable engine is the favorite size for use for ordinary farm work where all kinds of work are to be done with one engine. These engines may be run on a minimum amount of fuel yet have power enough for all but the heaviest class of farm machinery. For an all around general purpose engine there is nothing better made.

The Alamo portable engine has been pronounced by the best critics as being the most perfect outfit yet produced for all around service. Its perfect balance, ease of starting in all kinds of weather and its simplicity and substantial construction is best appreciated by those who have used these outfits under the most severe conditions.

Engine—Alamo gasoline and distillate engines are standard equipment but kerosene engines can be furnished if so ordered. Alamo engines are built for hard work and continuous service and will deliver their rated horse power with ease under all conditions with a liberal overload capacity.

Pulley—Regular cast iron pulley will be furnished with each outfit without extra charge. Havana double grip friction clutch pulley will be furnished as an extra if desired.

Truck—The trucks are built of steel throughout and are complete with seat. They have solid steel axles and wide tired wheels, channeled to prevent skidding. Braces for truck wheels are not required while operating.

Equipment

All 4½ and 6½ horse power portable engines are regularly equipped with solid iron pulley, muffler, Webster oscillating magneto, and all necessary wrenches, oilers and oil can. Team trucks are supplied with doubletrees and neckyokes as an extra if desired.

WITH GASOLINE AND DISTILLATE ENGINE

H.P	Speed R.P.M	Size pulley — Diam.	Face	Crank shaft	Diam. truck wheel Front	Rear	Size tires	Size axle	Shipping weight	Each
4½	385	10 in.	6 in.	1¾ in.	26 in.	34 in.	4x⅝ in.	2 in.	1315 lbs.	$600.00
6½	360	16 in.	6 in	2 in.	26 in.	34 in.	4x⅝ in	2 in.	1650 lbs	760 00

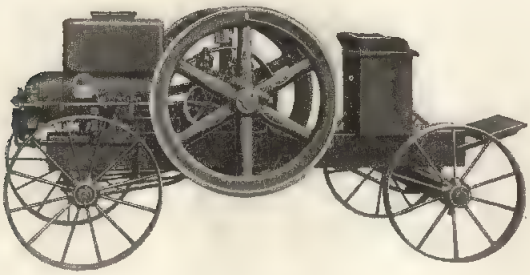
WITH KEROSENE ENGINE

H P	Speed R P M	Size pulley — Diam	Face	Crank shaft	Diam. truck wheel Front	Rear	Size tires	Size axle	Shipping weight	Each
4½	385	10 in.	6 in.	1⅝ in.	26 in.	34 in.	4x⅝ in.	2 in.	1315 lbs.	$610.00
6½	360	16 in.	6 in.	2 in.	26 in.	34 in.	4x⅝ in.	2 in.	1650 lbs.	770 00

Loose

PORTABLE ENGINES

ALAMO



9, 12 AND 15 HORSE POWER

Alamo Portable Engines of the larger sizes furnish economical and reliable power for operating huskers, shellers, threshers, ensilage cutters and all classes of heavy machinery. The design of the engine and truck in combination so as to make everything perfectly accessible from one position, has done much to assist in establishing its reputation as being the easiest Portable Engine on the market to start and operate.

The engine frame is bolted direct to the steel channel beams of the truck and the center of gravity is therefore brought to the lowest possible point, making the outfit very steady when running.

Engine—The regular Alamo gasoline and distillate or kerosene engine is used. Each engine is individually balanced, with the result that the outfit will stand perfectly still running idle or under full load.

Pulley—All outfits are less pulley, but Havana double grip friction clutch or cast iron pulley will be furnished as an extra if desired. If possible always specify size and type wanted so that pulley may be properly fitted and adjusted in our shop before being shipped.

Truck—Made completely of steel and fully guaranteed. Have solid steel axles and wide tired wheels, channeled to prevent skidding.

Equipment

Each outfit is shipped complete with pole, tool box and seat, cylinder oiler, wipe feed oil system for connecting rod and main bearings. Webster oscillating magneto, muffler, all necessary wrenches and oil can.

Doubletrees and neckyoke will be furnished as an extra if desired

WITH GASOLINE AND DISTILLATE ENGINE

H.P	Speed R.P.M	Crank shaft	Diam. truck wheels Front	Rear	Size tires	Size axle	Shipping wt.	Each
9	300	2½ in.	26 in.	34 in.	4x⅝ in.	2 in.	2680 lbs.	$1150.00
12	280	3 in.	26 in.	34 in.	4x⅝ in.	2 in.	3270 lbs.	1335.00
15	280	3 in.	26 in.	34 in.	4x⅝ in.	2 in.	3405 lbs.	1500.00

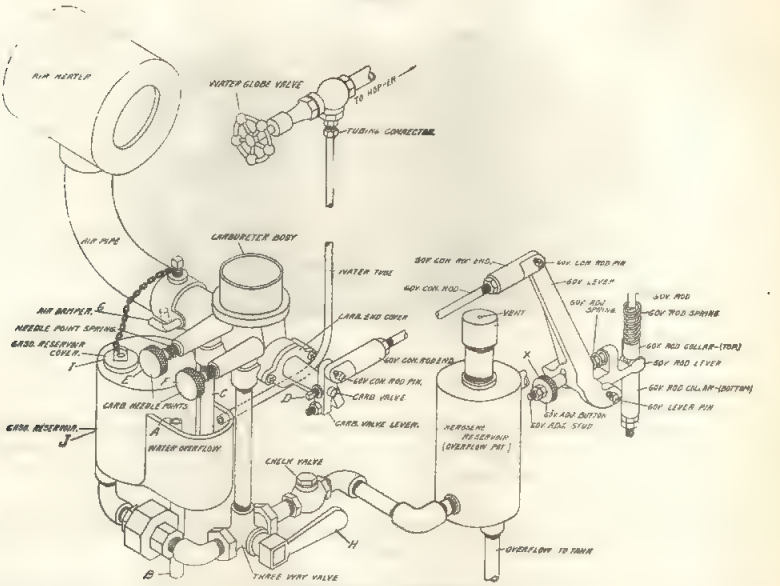
WITH KEROSENE ENGINE

H.P	Speed R.P.M	Crank shaft	Diam. truck wheels Front	Rear	Size tires	Size axle	Shipping wt.	Each
9	500	2½ in.	26 in.	34 in.	4x⅝ in.	2 in.	2680 lbs.	$1160.00
12	280	3 in.	26 in.	34 in.	4x⅝ in.	2 in.	3270 lbs.	1365.00
15	280	3 in.	26 in.	34 in.	4x⅝ in.	2 in.	3405 lbs.	1537.00

Loose

THROTTLING GOVERNORS

ALAMO



KEROSENE CARBURETER

The Alamo Engine Co. have spared no efforts in developing their kerosene carburetor to the highest efficiency possible. This carburetor will successfully handle kerosene, therefore almost entirely eliminating the smoke and obnoxious gas resulting from improperly designed carburetors.

Simplicity is the next important item, which is best illustrated by stating that our kerosene engine is entirely self-regulating. Fuel and air are drawn into the engine in proper proportion, varying from a weak to a rich mixture as required by load conditions.

The water spray necessary for successful operation of the larger size kerosene engine is also automatically controlled. Water spray is supplied only at times when needed for heavy engine loads.

We wish to emphasize the fact that this carburetor is not a make-shift proposition, but one that is scientifically designed for kerosene and we recommend it as being efficient, economical and reliable.

The Operation of the Alamo Kerosene Carburetor

Kerosene Reservoir. The carburetor used on the 9, 12 and 15 horse power kerosene engines is the pump feed type. Kerosene is pumped from the base of an outside storage tank into the reservoir which is provided with an overflow pipe for returning excess fuel, thus preventing flooding. The 6½ horse power and smaller is equipped with the suction feed carburetor and does not have the kerosene reservoir.

Three Way Valve. Used to switch from gasoline to kerosene after engine is warmed up. Turn lever "H" away from the engine on all sizes except 9, 12 and 15 horse power which lever must be placed in a vertical position for gasoline.

Gasoline Reservoir. Fill with gasoline for starting and after engine is warmed up switch to kerosene. Engine should be run on gasoline a few minutes before stopping to make sure there is no kerosene left in the carburetor, making it easier to start up again.

Air Heater. Fitted to the exhaust pipe and supplies hot air to the carburetor to assist in vaporization. The greater part of the kerosene can not be vaporized into a firing mixture without heating and exhaust heat is found to be of great assistance in handling low grade fuels.

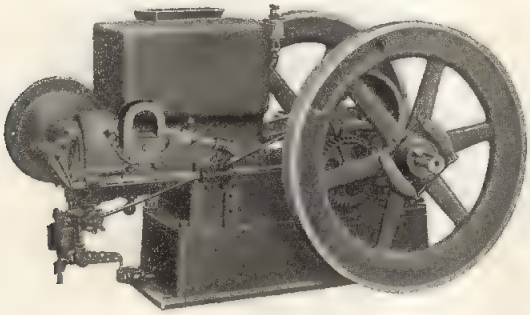
Air Damper. Close air damper while engine is in process of starting to insure a rich mixture. After first two or three explosions open and leave open.

Water Feed. Under heavy loads there will develop a knock or pound common to all the larger size kerosene engines that may be readily overcome by feeding a little water into the combustion chamber through the needle valve "E." Open water globe valve allowing the water to flow into the overflow chamber and is then drawn into the carburetor through tube "C." The water is automatically shut off as the load on the engine decreases, thereby overflowing through tube "B" until required again. Just enough water should be fed to stop the knocking, but in no case enough to sacrifice keen ignition. Water also keeps the cylinder free from carbon and prevents high temperatures which interfere with proper lubrication.

Governor Connecting Rod. Runs from the governor lever to the carburetor valve and regulates the speed and also the amount of fuel and water taken in by the engine.

THROTTLING GOVERNOR KEROSENE ENGINES

ALAMO



3½ HORSE POWER

The three and one-half horse power Alamo Throttling Governor Kerosene Engine is designed for long and continuous service, such as running small electric light plants and other machinery where a high degree of efficiency is required. For this reason special attention has been given to the general construction of the engine and nothing has been omitted that could add to their reliability and efficiency.

The Alamo Engine is properly balanced and it is not necessary to bolt it down. Having an engine in perfect balance eliminates vibration and wear of the working parts is reduced to a minimum.

Crank Shafts. The shaft is forged from a solid billet of open hearth crank shaft steel. Extra large diameter, carefully machined and ground to size.

Connecting Rod. I beam construction, with all necessary adjustments for taking up natural wear. Crank end fitted with interchangeable die cast babbitt bearing. The bearing in the piston end is phosphor bronze.

Piston. Is of the trunk pattern accurately ground to size, insuring a perfect fit. Each one is fitted with four expansion rings also oil grooves to make sure of proper lubrication.

Carburetor. Suction feed type, designed especially for this engine. Is not affected by climatic conditions and is noted for economy of fuel consumption. The water feed is not used on this size engine due to the special construction of the carburetor.

Governor. Throttling type insuring a steady speed at all times. It is very simple and never gets out of order.

Cylinder Head. Thoroughly jacketed and provided with large valves. Valves have cast iron head and nickel steel stems.

Ignition. Webster Tri-Polar oscillator.

Equipment

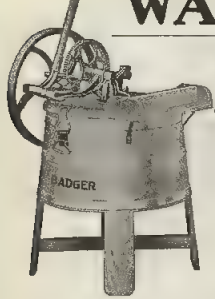
All 3½ horse power Alamo Stationary Engines are regularly equipped, without extra charge, with muffler attached, Webster oscillating magneto, solid iron pulley, wrenches, oilers, oil can and a fuel tank of sufficient capacity for one day's run.

Specifications

H.P.	Speed R P M	Floor space	Size pulley—Diam.	Size pulley—Face	Crank shaft	Exhaust pipe	Bore	Stroke	Hopper capacity	Shipping weight	Each
3½	400	28x40 in	8 in.	4 in.	1½ in.	1½ in.	4½ in	6 in.	4½ gals.	520 lbs.	$220.00

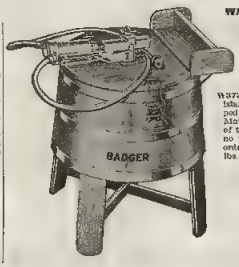
One in a crate.

WASHING MACHINES



DOLLY TYPE HAND WASHING MACHINE

W3728 Large cypress tub kiln dried, with rid of double thickness, sides and bottoms corrugated, combination pump handle lever motion can be changed al most instantly large fly wheel which gives high speed and makes easy running 1 in crate 94 lbs. Each. **$12.06**



WATER POWER WASHING MACHINE

W3726 Genuine Louisiana cypress tub, octagon pad with. Cofield Water Motor, sides and bottom of tub fully corrugated no valves to get out of order. 1 in crate. 65 lbs. Each **$16.75**

"SIPH-O" EJECTOR

Made to facilitate filling and emptying washing machines or emptying flooded cellars.

W1259 — All metal parts nickel plated standard connections, attachment for hot water faucet, equipped with 3 ft. heavy wall rubber hose, an absolute necessity for filling or emptying any kind of washing machine. 1 in box. Each **$2.25**

Aladdin IMPROVED MODEL "A" ELECTRIC WASHERS WITH WRINGERS

Capacity of tub, 6 sheets or the equivalent

Thousands of dealers who handle Aladdin Electric Washing Machines are not afraid to match them with any machine on the market.

The "Aladdin" is simple in construction, easy to operate and has the very latest improvements in electrical washing machine construction

Body, a... metal double seamed, 1 piece cover with handle, painted with 3 coats of white enamel Cylinder, white maple smooth, revolves 6 times and reverses without slightest jar Wringer, with safety release swings and locks in 5 different positions, two quality 11 in. power electric rubber rolls. Washer and wringer may be operated at the same time or each one separated, Motor, ½ horsepower, guaranteed for alternating current 110 volts, 60 cycles can furnish one or for direct current at a slight extra charge Be sure to specify current, voltage and cycle wanted

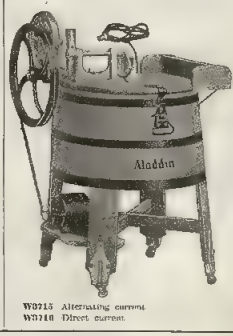
W3218 Galvanized steel body, capacity 6 of sets. 1 in crate. 205 lbs Each, **$75.00**

W3211—Copper body, capacity 6 sheets 1 in crate 260 lbs. Each, **$94.00**

Currents and voltages other than 110 volts 60 cycles, alternating current, furnished at a slight increase in cost

"ALADDIN" MODEL "B" ELECTRIC WASHING MACHINES

Dolly Type

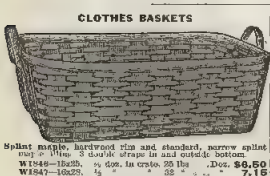


Dolly type, standard one-fifth H P motor. 110 volts, alternating or direct current. Cypress and kiln dried Southern cypress tub corrugated sides and bottom brass drain faucet, double reinforced rid geared to give 85 full ¾ turns per minute, ball-bearing casters. 10 ft. reinforced cord and separable attachment plug. In opening and closing the lid fly wheel is not displaced. machine cut gears with emergency lever for operation by hand if power should fail 1 in crate. 140 lbs.

W3715 Alternating current.
W3716 Direct current. } Each **$35.00**

CLOTHES BASKETS

CLOTHES BASKETS



Splint maple, hardwood rim and standard, narrow splint ragged weave. 3 double straps in and outside bottom.

W1846—18x25,	½ doz. in crate. 26 lbs	Doz. **$6.50**
W1847—19x28,	½ " " 33 " " "	**7.15**
W1848—18x30,	½ " " 36 " " "	**7.75**

WHOLE WILLOW CLOTHES BASKETS

Do not confuse with split willow baskets. These are genuine whole willow with reinforced top and extra strong bottom

STAR VALUE Extra heavy, bleached whole willow, no projecting ends, reinforced top sewed handles and bottom. Low prices for this quality

W1835—10x17x25	½ doz. in bdl.	Doz. **$ 9.90**
W1837—11x19x24,	½ " "	**12.25**
W1836—12x21x27	½ " "	**14.25**
W1839	15½x25x33 ½ " "	**16.50**
W1840—3 sizes, 1 each of 10x17x23 12x21x27 in nest	11x19x24, and	NEST of 3, **$3.25**

Rock Elm Clothes Baskets

Double hardwood rim, wood bottom. Wonderful values in everyday sellers.

Very best rock elm splint filling and standards heavy board bottom

W3075—18½x26.	½ doz. in bdl.	Doz. **$6.75**
W3076—19x28.	½ " " "	**8.00**
W3077—21x30.	½ " " "	***8.00**
W3078 3 sizes, 2 each of 18½x26, 19x28 and 21x30 in nest.		NEST of 6, **$4.15**

Splint Maple—Square shape, narrow braids, colored center, hinged cover

W1856—2 sizes, 16x16x24, 18x18x26. 2 in nest, 15 lbs NEST of 2. **$1.80**

W1885—3 sizes, 16x16x24, 18x18x26 and 20x20x28. 3 in nest, 20 lbs NEST of 3, **$2.60**

Split Willow Round shape, whole willow rim and top, heavy wood bottom, attached cover 2 handles very strong and durable 1 in bdl.

Size	Wt.	Each
W3054—24x11	4 lbs	**$2.36**
W3062—26x12,	6 "	**2.95**
W3063—28x13,	6 "	**3.25**

CLOTHES HAMPERS

Split Willow—Square shape whole willow rim and top, wood bottom, cast iron lock and hinges, very rigid 1 in bdl

	In.	Wt.	
	In Top	Lbs	Each
W3054	24 16x17,	9	**$3.50**
W3055—20	18x20	10	**4.50**
W3056—22	21x23	12	**5.50**
W3057—3 sizes, 1 each of 16x17, 18x20 and 21x23. 3 in nest, 30 lbs.			NEST of 3, **$12.95**

SEMI-PORCELAIN DINNER SETS

For composition of these sets refer to preceding pages

Gold Band— ...smarked, light weight semi-porcelain, highly glazed new attractive ... No Package Charge.

E42295—50 piece set—
Shipping weight about 60 lbs. SET (50 pcs.) **$7.95**

Naziere Spray— Good quality light weight, highly glazed semi-porcelain, 4 bright colored sprays of delicate pink flowers, prominent green foliage and buds, gold edges, traced handles and knobs of upright pieces. No Package Charge.

E17090—42 piece set—
Shipping weight, about 27 lbs. SET (42 pcs.) **$5.75**

E17096—50 piece set—
Shipping weight about 35 lbs. SET (50 pcs.) **$8.40**

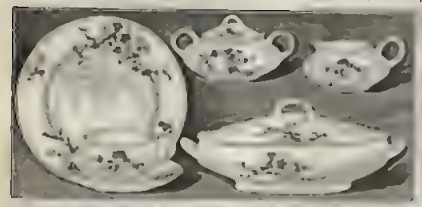
E17093—100 piece set—
Shipping weight abou... SET (100 pcs.) **17.50**

"American"— Light weight American semi-porcelain, wide fancy gold scroll stamp border and line edge, stippled handles and knobs. No Package Charge.

E42210—100 piece set—
Shipping weight about 90 lbs. SET (100 pcs.) **$17.50**

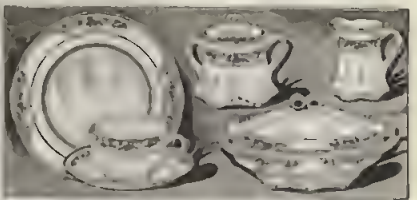
"Palatial" ... shape, sugars, ... and saucers, rich floral ... arbor design, blue band edge, all pieces with gold edges and traced handles. ... Charge.

E16090—42 piece set
Shipping weight about 40 lbs. SET (42 pcs.) **$10.25**



"New Lorraine" — ...sides, well cut cross, fancy shape pink, wild flower and grass leaf sprays, gold edges, ... nut handles and knobs. No Package Charge.

E17293—100 piece set—
Shipping weight about 90 lbs. SET (100 pcs.) **$17.50**



Avona ... Avona shape copy of the Fran... connecting lines, wide gold edges, verge lines a...

E22393—100 piece set.
Shipping weight about 95 lbs. ... pcs **17.50**

TOILET WARE

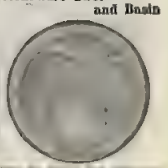
FANCY WHITE COMBINET OR SLOP PAIL

...
1 doz. in pkg., about 370 lbs. Doz **$7.50**

10 Piece Stoneware Toilet Set

E715 10 pcs., gray stoneware body, well made, all full size ... and covered soap dish 2 sets in pkg. (Total 36 60)lbs. **$3.25**

Stoneware Ewer and Basin



...
Doz. sets, **$15.96**
E6600 Fancy embossed ... doz. sets in pkg., Doz. sets. **$17.25**

IMPORTED DINNERWARE

OPEN STOCK AND SETS

"BLUE WILLOW" ALLERTON'S FAMOUS English Semi-Porcelain (OPEN STOCK)

"Allerton's Ltd." trademarked. English semi-porcelain, all pieces full size, absolutely guaranteed against crazing. Famous "Pekin" blue willow allover pattern with allover blue decoration. Open stock, sold in any quantity. No Package Charge.

DINNER SETS

R20090—47 pc. set.

1 bowl, 30's.
6 fruits, 4 in.
1 cord. sugar (2 pcs.).
1 cream pitcher
9 bread & butter plates.
Each set about 40 lbs.
SET (47 pcs.) **$8.95**

R20096—59 pc. set.

1 baker, 7 in.
1 dish or platter, 10 in.
9 fruits, 4 in
1 cord. sugar (2 pcs.).
1 cream pitcher.
1 cord. dish, 7 in. (2 pcs.).
Each set about 43 lbs.
SET (60 pcs.) **$12.95**

R20083—100A pc. set

2 platters, 8 and 12 in.
12 fruits, 4 in
1 butter
1 casserole
1 dish, 7 in
1 sauce boat
1 pickle dish
Each set about 90 lbs.
SET (100 pcs.) **$25.45**

OPEN STOCK

Cup and Saucer—
Doz. $4.50

Platters—Fancy oblong shape

	Ast. Doz.
	$4.80
	2.40
	3.60
	1.75
	2.75

Soup—
R20017—Coupe soup 7 in., ast. S. $3.50

Bakers—Deep oblong.

	Ast. Doz.
R20034—7 in., 3½x6½	$5.40

Bowl— Ast. Doz.
R20031—30's, 6½x3¼ $4.50

Platters—Fancy oblong shape

	Ast. Doz.
R20043—8 in. 5¼x3¾	$5.50
—10" 11¼x8¼	8.75
R20047—13"13¾x11¾	13.20

Fruits—Deep.

	Doz.
R20060—4 in., ast. 5.	$1.30
"	Doz. $2.10

Creamer—Fancy. Doz.
R20076—20's, ht. 4 in. $6.25

Cord. Sugar—Double handle. Doz.
—0077—30's, ht. 4¾ $10.75

Cord Butter—
Doz. $15.00

Ivory Butter—Salts or celery dips.
—0078—3 in. ...Doz. $0.90

Cord. Dishes—

	Doz
R20080—7 in., 10¾x8	$24.00
R20083—8 " 13½x8½	24.00

Handled Sauce Boat—With oak stand
R20088—6¼x3¼ Doz. $5.00

Pickle Dish—Fancy shape
R20086—8 1/2x4¼ Doz. $5.20

MISCELLANEOUS EUROPEAN CHINA TABLEWARE ASSORTMENT

Plates—good quality light weight highly glazed imported china, 2 floral sprays, with prominent foliage, other bright asst. green and blue luster scroll centered single blossom clusters

Doz.
In 12 Cream pitchers, 3½ in. high.
In 12 Sugar bowls, 4½ in. high
Each
24 Chocolate cups and saucers, cup 2x2¾, saucer 5 in
Each

8 Olive or relish dishes, 6¼x3½.
Asstd. 300 pcs in case. (Total $36.00) Each. **18c**

100 PIECE DINNER SETS

"Woodmere"—Light weight, translucent china, large sprays of pink flowers on green leaf background, gold edges and handles. No Package Charge.
R35293—100 piece set—Shipping weight about 90 lbs. SET (100 pcs.) Temp. Out

Meissen Blue—Thin pure white translucent china, first, underglazed blue decoration allover floral and scroll design, verge blue line borders, handles, etc.
R42290—100 piece set—Shipping wt. about 95 lbs. SET (100 pcs.) **$29.50**

"Daytona" Light weight translucent china, plain shape, dainty border of pink flowers and with flowers with connecting lines, all pieces with gold edges and verge line, gold traced handles and knobs. No Package Charge
R30493—100 piece set—Shipping weight about 90 lbs SET (100 pcs.) **$41.50**

"HOWO BIRD" BLUE AND WHITE IMPORTED TRANSLUCENT CHINA (OPEN STOCK)

Trademarked Translucent white china, "Howo Bird" and scroll decoration in 2 tints Open stock, sold in any quantity. No Package Charge.

Cups and Saucers—

	Doz.
R40990—Tea 5¾x2, saucer 5¾	Doz. $2.25
R40960—Cup 3½x2, saucer 4½	Doz. $1.50

Plates—

	Doz.
R40810—4 in. 5¼	$1.75
R40911 6 " 7¾	2.40
R40915—7 " 8¾	3.25
R40912 Breakfast 9 in.	Doz. $3.05

Coupe Soup—
R40917—7 in., ast. 8 in Doz. **$2.90**

Bakers
R40974 Each **95c**

Platters or Platters

	Each
R40943—8 12x8	$1.25
R40944—10 12x9	1.75
R40947 12 16½x11½	2.00

Nappies or Salads—
R40953—9¾ in Each, **85c**

Fruit or Sauce Dishes—
R40958—5 in ..Doz. **$1.60**

Tea meals
Bowls Doz **$2.25**

Cereal Bowls—
R40978—7 in. Each **$2.00**

Sugars and Creamers
R40976-7—Sugar 4 in. high creamer 3¾ Set, **85c**

Cord Dishes—
R40980—7 in., ast. 9¼x7¼ Each, **$2.50**

Cord Casseroles
R40983—7¾x4½ Each, **$2.00**

Tea Pots
R40987—4½ in high Doz **$8.75**

Sauce Boats
R40954 — Attached stand 7¼x4 in. Each **$2.25**

Pickle Dishes
R40956—8¼x5 in. Each. **45c**

ALBANY HARDWARE & IRON CO.

AMERICAN BANKS

Security

Five coin bank. When lever is pulled down each penny, nickel, dime, quarter and half dollar is registered. Opens automatically when ten dollars have been registered.

Three Coin

Three coin bank. Registers pennies, nickels and dimes. Opens automatically when five dollars have been registered.

Name	High	Deep	Wide	Packed	Weight	Each
American Security	7⅛ in.	7½ in.	5¾ in.	1	3½ lbs.	**$3.50**
American Three Coin	5⅛ in.	5½ in.	4¼ in.	1	2 lbs.	**2.00**

UNCLE SAM'S BANKS

Three Coin

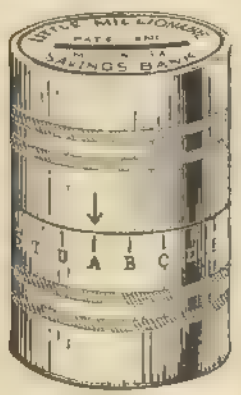
Nickel

Three Coin—For nickels, dimes and quarters. Twenty five cents locks the bank. Automatically unlocks when ten dollars have been deposited

Nickel—Registers nickels only. Bank locked by first nickel. Automatically unlocks when ten dollars have been deposited.

Name	High	Deep	Wide	Packed	Weight	Each
Uncle Sam's 3 Coin	6¼ in.	5½ in.	4 in.	1	2 lbs	**$2.50**
Uncle Sam's Nickel	5¼ in.	5 in.	4 in.	1	2 lbs.	**2.00**

LITTLE MILLIONAIRE BANK



Combination

LITTLE MILLIONAIRE BANK

Fine, tempered steel, nickel plated. Holds ten dollars in silver and is not confined to coins of any certain denominations. Locked and unlocked by a combination.

Height	Diameter	Packed	Weight	Per Doz
2 3/8 in.	2 in.	⅓ doz.	½ lb.	**$6.00**

LUCKY SAVINGS BANK

LUCKY SAVINGS BANK

When coins are deposited and registered by a lever the bell rings: once for a nickel, twice for a dime, three times for a quarter. Opens automatically when ten dollars have been deposited.

High	Deep	Wide	Packed	Weight	Each
5⅛ in.	5 in.	4 in.	1	1½ lbs.	**$2.00**

Three Coin

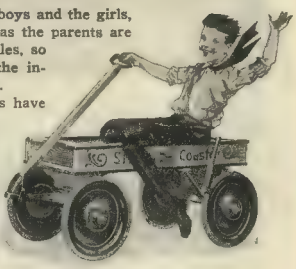
Three Factories Main Office: Toledo, O

The American-National Company

America's Most Popular Sellers

Young America, both the boys and the girls, are coming into their own—as the parents are finding pleasure in automobiles, so the children are satisfying the inherited, inborn desire to ride.

The three Diemer brothers have spent years in the study and perfection of wheeled vehicles. The American line as a result stands out as the leader in style, design, finish and color harmony. The line sells itself easily—it has instant appeal to the parents as well as the children.



American

THE LINE BEAUTIFUL

Make the Kiddies Your Life Friends

Show the American line on the floor and in the window—give the children a chance to ride in these wonderful vehicles—send in a trial order NOW—Get this quick turnover line. It makes the Kiddies life-long friends.

Juvenile Automobiles	Scooters
Coupes	Tricycles
Velocipedes	Hand cars
Coaster wagons	Kiddie bikes
Express wagons	Doll buggies
	Baby vehicles

Raise *the* Kiddies *on* Wheels

This heading used in our national advertising has taken big with the parents—they welcome these health and body building vehicles—and the mothers like the idea of the children being interested for hours at a stretch with this safe, sturdy line. Take advantage of the parents' acceptance of the American line—BUY NOW.

RANGER
REPEATING RIFLE

Advertised in the Saturday Evening Post

All-Year-'Round PROFITS

There's no special season for playing Indian, Cow Boy, Soldier, as there is for tops and marbles.

That's why the Ranger Repeating (cap) Rifle sells all-year-'round—with all-year-'round profits for dealers on rifles and repeat sales of ammunition.

The Ranger is a realistic shooter—looks like a real gun; takes 50 caps on a paper strip; feeds and fires with each trigger pull; and real smoke issues from the blued steel barrel.

It's *safe* too. Each shot occurs *inside the rifle*, protected by a special safety housing. That's the big feature that makes parents buy Ranger Repeating Rifles.

Stock Ranger Repeating Rifles now and see how fast they'll move off your shelves.

Packed 1 doz. in corrugated case—size 5¼ x 4¾ x 30 inches. Weight, 12 pounds.

Order from your favorite Jobber

THE EDWARDS MFG. CO., 441-491 Eggleston Ave., Cincinnati, O.

P3863

"CLIPPER" VELOCIPEDES

Distributed exclusively by BUTLER BROTHERS

Steel Tires—Heavy half oval black enameled steel frame, heavy red enameled steel wire wheels 1 piece fork with adjustable catch, improved adjustable saddle double coil springs, stationary handle bars, stained wood grips, stamped steel hood and pedals. 3 in crate.

Mfrs.	Wheels	Size	Wt.	Each
F153—0	14 and 9 in.	Small	46 lbs.	$1.85
F154—1	16 " 12 "	3 to 7 yrs.	50 "	2,10
F155—3	20 " 14 "	5 " 9 "	56 "	2,47
F156—5	24 " 16 "	7 " 11 "	68 "	2,85

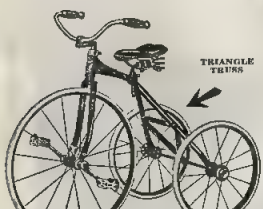
F157—Asstd. one F153, two F154 and one F156, as shown above. Asstd. 4 in crate, 60 lbs. ASST. (4 pcs.) **$8.50**

Rubber Tires—Heavy half oval black enameled steel frame, heavy red enameled steel wire wheels with ¾ in. front and ⅝ in. rear rubber tires, 1 piece fork with adjustable catch, improved adjustable saddle, double coil springs, stationary handle bars, stained wood grips, stamped steel hood and pedals.

Mfrs.	Wheels	Size	In Crate	Wt.	Each
F167—0R	14 and 9 in.	Small	3	47 lbs.	$2,35
F168—1R	16 " 12 "	3 to 7 yrs.	3	60 "	2,60
F166—2R	20 " 14 "	5 " 9 "	3	69 "	2,88
F165—3R	24 " 16 "	7 " 11 "	2	49 "	3,25

F166—Asstd. one F167, two F168 and one F166, as shown above. Asstd. 4 in crate ASST. (4 pcs.) **$10.40**

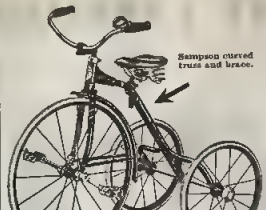
"TRIANGLE TRUSS SPECIAL" VELOCIPEDES



Heavy half oval red enameled frame, gilt striped, steel wire wheels, ⅝ in. rubber tires, nickel plated hub caps, triangle truss frame, wide axles, full nickel plated adjustable Chicago type handle bars, motor bike grips, bicycle beads, double coil nickel plated spring, padded bicycle saddle. 1 in crate.

Mfrs.	Wheels	Size	Wt.	Each
F140—11	16 and 12 in.	2 to 3 yrs.	30 lbs.	$5,75
F141—13	20 " 14 "	3 " 5 "	35 "	6,40
F142—13	24 " 16 "	5 " 7 "	40 "	7,15

BALL-BEARING VELOCIPEDES



"Sampson" Ball-Bearing—Maroon enameled, gold striped half oval square truss steel frame, ball-bearing wheels with maroon enameled wire spokes, ¾ in rubber tires, nickel plated 9½ in cage and head guard on front wheel padded leather saddle with nickel plated double coil springs and pedestal, nickel plated double bell with handle bars with forward extension and rubber grips, nickel plated rat trap pedals, drop forged crank and bicycle ball. 1 in crate.

	Wheels	Size	Wt.	Each
F175—16 and 12 in.		2 to 3 yrs.	32 lbs.	$8,95
F176—20 " 14 "		3 " 5 "	37 "	9,75
F177 24 " 16 "		5 " 7 "	45 "	10,75

Ball-Bearing Tubular. Carmine enameled, tubular frame fork and rim, gold striping arched fork crown, all joints hand brazed, ball-bearing wheels, bicycle spokes and nipples, 1 in cushion rubber tires, padded bicycle saddle, drop forged crank, adjustable handle bar with forward extension rubber motor bike grips, solid rubber pedals. 1 in crate.

	Wheels	Size	Wt.	Each
F183—16 and 10 in.		2 to 3 yrs.	35 lbs.	$ 9,70
F184—20 " 14 "		3" 5 "	42 "	12,10
F185—24 " 16 "		5 " 7 "	48 "	14,50

"OVERLAND" BIKES

Bike enameled heavy steel frames, adjustable handle bars, stained wood grips, saddle shape red enameled seat board.

F242—Length 32 in., ht. 16½ in., ht. of seat 10¾ in., seat 6x8¾ in., 9 in. front wheel with 12 spokes, 7 in. rear wheels with 8 spokes, ⅜ in. rubber tires. 2 in carton, 15 lbs. Each, **$2,55**

Lots of 6. Each, **$2.40**

F244—Length 26 in., ht. 20 in., ht. of seat 11½ in., seat 10x8¾ in., 11 in. front wheels with 12 spokes, 8 in. rear wheels with 12 spokes, ¾ in. rubber tires. 2 in carton, 30 lbs. Each, **$3,10**

Lots of 6. Each, **$2.95**

F246—Length 28 in., ht. 20 in., ht. of seat 11½ in., seat 10x8¾ in., 10 in. front wheels with 20 extra heavy spokes, 8 in. rear wheels with 12 extra heavy spokes, ¾ in. heavy rubber tires. 2 in crate, 33 lbs. Each, **$4,15**

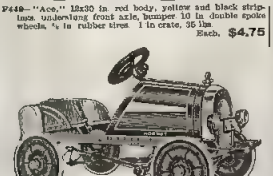
Lots of 6. Each, **$3.95**

"AMERICAN NATIONAL" JUVENILE AUTOS

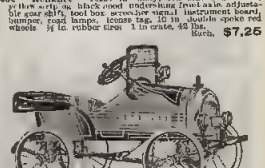
Black enameled knuckle joint, auto gear, gas and spark control, motor meters, with red and white markers, nickel plated radiator caps and hub caps. Finished in high grade enamels and best variables.

F449—"Ace," 12x30 in. red body, yellow and black striplines, underslung front axle, bumper 10 in. double spoke wheels, ¾ in. rubber tires. 1 in crate, 35 lbs. Each, **$4,75**

F432—"Reliance," 12x37 in. body, red seat and frame, yellow striping, black hood, underslung front axle, adjustable gear shift, tool box, screecher signal instrument board, bumper, road lamps, license tag, 10 in. double spoke red wheels, ¾ in. rubber tires. 1 in crate, 45 lbs. Each, **$7,25**



F431—"Hornet," 13x39¾ in. red body, yellow panels and striplines, underslung front axle, composition steering wheel with hand grips, metal barrel shape road lamps, nickel plated radiator, license tag, acetylene metal instrument board, adjustable spring control gear shift, screecher signal gas tank and bumper, 10 in. red enameled disc steel wheels, ¾ in. corrugated rubber tires. 1 in crate, 48 lbs. Each **$9,90**



F463—"Hudson," 12x37 in., Cadillac brown body, black panel and yellow striping, underslung front axle, composition steering wheel with hand grips, screecher signal, road lamps, adjustable spot light, dashboard, board gear shift, operating levers and "STOP" sign, "Jar Nut" rear springs, imitation cloth top, adjustable front sliding nickel plate, 2 piece windshield, bumper, nickel plated radiator, front license tag, all metal red body rear axle brackets, 10 in. double spoke red wheels, ¾ in. rubber tires. 1 in crate, 48 lbs. Each, **$12,75**

"CLIPPER" VELOCIPEDES

Distributed exclusively by BUTLER BROTHERS

Steel Tires—Heavy half oval, black enameled steel frame, heavy red enameled steel wire wheels 1 piece fork with adjustable saddle, improved adjustable saddle, double coil springs, stationary handle bars, stained wood grips, stamped steel head and pedals. 3 in crate.

	Min.	Wheels	Size	Wt.	Each
F153—0	14 and	9 in.	Small	46 lbs.	$1.85
F154—1	16 "	12 "	3 to 7 yrs.	50 "	2.20
F155—2	20 "	14 "	5 " 9 "	56 "	2.47
F156—3	24 "	16 "	7 " 11 "	68 "	2.85

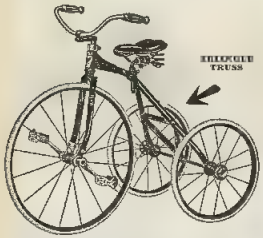
F157—Asstd. one F153, two F154 and one F155, as shown above. Asstd. 4 in crate, 60 lbs. ASST. (4 pcs.) **$8.80**

Rubber Tires—Heavy half oval black enameled steel frame, heavy red enameled steel wire wheels with 1 in. front and ⅞ in rear rubber tires, 1 piece fork with adjustable saddle, improved adjustable saddle, double coil springs, stationary handle bars, stained wood grips, stamped steel head and pedals.

	Min.	Wheels	In Size	Crate	Wt.	Each
F157—0R	14 and	9 in.	Small	3	47 lbs.	$2.40
F163—1R	16 "	12 "	3 to 7 yrs.	3	50 "	2.65
F164—2R	20 "	14 "	5 " 9 "	3	62 "	2.95
F165—3R	24 "	16 "	7 " 11 "	2	49 "	3.45

F166—Asstd. one F167, two F163 and one F164, as shown above. Asstd. 4 in crate. ASST. (4 pcs.) **$10.80**

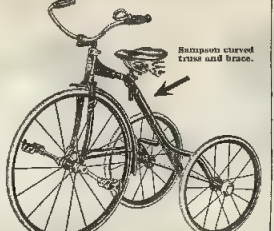
"TRIANGLE TRUSS SPECIAL" VELOCIPEDES



Heavy half oval red enameled frame, stit striped steel wire wheels, ¾ in. rubber tires, nickel plated bell caps, triangle truss frame, wide axles, full nickel plated adjustable Chicago type handle bars, motor bike grips, bicycle hooks, double coil nickel plated spring padded bicycle saddle. 1 in crate.

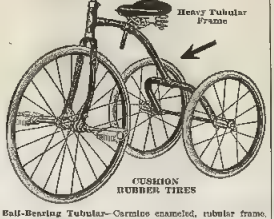
	Min.	Wheels	Size	Wt.	Each
F140—11	18 and	12 in.	2 to 3 yrs.	30 lbs	$5.75
F141—12	20 "	14 "	3 " 5 "	35 "	6.40
F142—13	24 "	16 "	5 " 7 "	40 "	7.15

BALL-BEARING VELOCIPEDES



"Sampson" Ball-Bearing—Maroon enameled, gold striped half oval square truss steel frame, ball-bearing wheels with maroon enameled wire spokes, ⅝ in. rubber tires, nickel plated hub caps and mud guard on front wheel, padded leather saddle with nickel plated double coil springs, adjustable nickel plated handle bars with forward extension and rubber grips, nickel plated rat trap pedals, drop forged crank and bicycle belt. 1 in crate.

	Wheels	Size	Wt.	Each
F175—16 and	12 in.	2 to 3 yrs.	32 lbs.	$8.95
F176—20 "	14 "	3 " 5 "	37 "	9.75
F177—24 "	16 "	5 " 7 "	46 "	10.75



Ball-Bearing Tubular—Carmine enameled, tubular frame, fork and rim, gold striping, arched fork crown all joints hand brazed, ball-bearing wheels bicycle spokes and nipples 1 in cushion rubber tires, padded bicycle saddle, drop forged crank, adjustable handle bar with forward extension rubber motor bike grips, solid rubber pedals. 1 in crate.

	Wheels	Size	Wt.	Each
F193—16 and	10 in.	2 to 3 yrs.	35 lbs.	$ 9.70
F194—20 "	12 "	3 " 5 "	42 "	12.10
F195—24 "	16 "	5 " 7 "	48 "	14.50

"OVERLAND" BIKES

Blue enameled heavy steel frame, adjustable handle bars stained wood grips, saddle shape red enameled seat board

F242—Length 22 in., ht. 10½ in., ht. of seat 10½ in., seat 8x8½ in., 9 in. front wheel with 12 spokes, 2 in. rear wheels with 8 spokes, ½ in. rubber tires. 3 in carton, 15 lbs. Each, **$2.10**

Lots of 6 Each, **$2.00**

F244—Length 26 in., ht. 20 in., ht. of seat 11½ in., seat 10x8¼ in., 11 in. front wheels with 15 spokes, 2 in. rear wheels with 13 spokes, ½ in. rubber tires. 2 in carton, 20 lbs. Each **$2.66**

Lots of 6 Each, **$2.50**

F246—Length 26 in., ht. 20 in., ht. of seat 11½ in., seat 10x8½ in., 20 in. front wheels with 20 extra heavy spokes, 8 in. rear wheels with 13 extra heavy spokes, ¾ in. heavy rubber tires. 2 in crate. 32 lbs.

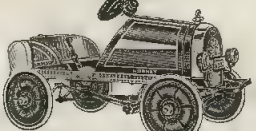
Lots of 6 Each, **$3.35** Each, **$3.50**

"AMERICAN NATIONAL" JUVENILE AUTOS

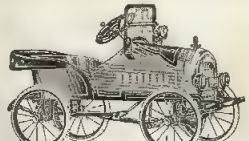
Black enameled knuckle joint auto gear gas and spark control motor meters with red and white markers, nickel plated radiator caps and hub caps. Finished in high grade enamels and best varnishes

F449—"Ace," 12x30 in. red body, yellow and black striplings underslung front axle, bumper, 10 in. double spoke wheels, ½ in. rubber tires. 1 in crate, 35 lbs. Each, **$4.95**

F452—"Reliance," 12x37 in. body, red seat and frame, yellow striping, black hood, underslung front axle, adjustable gear shift, tool box, screecher signal, instrument board, bumper, road lamps, license tag, 10 in. double spoke red wheels, ½ in. rubber tires. 1 in crate, 42 lbs. Each, **$7.25**



F461—"Hornet," 13x39½ in. red body, yellow panels and stripings, underslung front axle, composition steering wheel with hand grips, metal barrel shape road lamps, nickel plated radiator, license tag, detachable metal instrument board, adjustable spring control gear shift, screecher signal, gas tank and bumper, 10 in. red enameled disc steel wheels, ½ in. corrugated rubber tires. 1 in crate, 55 lbs. Each, **$10.50**



F462—"Hudson," 12x37 in. Cadillac brown body, black panel and yellow striping, underslung front axle, composition steering wheel with hand grips, screecher signal, road lamps, adjustable spot light, instrument board, gear shift, operating license and "STOP" signal, "Jar Nut" rear springs, imitation cloth top, adjustable form fitting nickel plated 2 piece windshield, bumper, nickel plated radiator, front license tag, self-retained roller bearings in rear axle brackets, 12 in. double spoke red wheels, ½ in. rubber tires. 1 in crate, 55 lbs. Each, **$12.75**

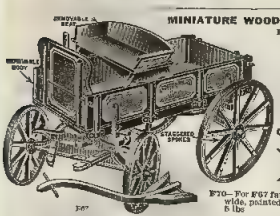
"MARATHON" STEEL WAGONS

Beaded sheet steel bodies, securely riveted joints, grooved bottom boards, with wooden cleats, extra heavy understrut, double iron wheel, reinforced front and rear gears, handle sup, special one piece front gear with extra bronze brace, 5 rear axle brace rods, 1¼in dried jointed hardwood tongues with steel pin hand hold, gears and wheels bright black enameled finish, bodies bright red outside, green inside, gold stencil on sides. Packed two complete except F101 (F103 and F112), all parts inside, in dustproof cartons. Each guaranteed.

	Body	Wheels		Doz.
F101 (Mfrs No.	7½x42½ in.		½ doz in pkg., 24 lbs	$ 7.86
F103—(" 04)	9x18 in.	6 and 9 in.	½ " " 26 "	11.25
F105—(" 05)	11x22 "	8 " 10 "	½ " " 16 "	13.50
F107—(" 11)	13x26 "	10 " 13 "	½ " " 28 "	20.50
F109—(" 30)	15x30 "	12 " 16 "	½ " " 35 "	25.00
F110—(" 33)	16x32 "	23 " 16 "	½ " " 42 "	28.00

F112 6 size assortment, including one each of F101, 103, 105, 107, 109, 110 ranging in size from 7½ to 12½ to 16x32 in. bodies Assted, 6 in crate. ASST (6 wagons) $8.95

MINIATURE WOOD FARM WAGON

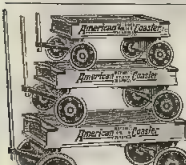


F87—16x35 in., green body, black and yellow trim, hardwood frame, seat and dashboard, removable ornamented sides and ends, 14 and 20 in. red wheels, heavy welded tires, malleable iron bolt caps and bands, strongly ironed and braced, ½ in. round steel sales, heavy handle. 1 in crate, 50 lbs.
Each, $8.40

GOAT OR DOG SHAFT

F70—For F67 farm wagon, 42 in. long, 17 in. wide, painted red, black striped. 1 in pkg., 6 lbs
Each, 80c

"AMERICAN" RUBBER TIRED JUNIOR COASTER WAGONS



Well seasoned, varnished white ash bodies, red and black decorations and letters, front and rear end boards mortised to side body, attached to bottom by 3 bonger bolts, wing nuts, well bower bo s are, red enameled automobile type steel disc wheels, yellow stripes, retained roller bearings, nickel plated hexagon shape hub caps, rubber tires

F87—30x10 in. body, 4¼ in. wheels, ¾ in. rubber tires. 2 in carton, 20 lbs
(Total $6.70) Each $2.35

F88—24x11 in. body, 5½ in. wheels, ¾ in. rubber tires. 2 in carton, 20 lbs
(Total $6.00) Each, $3.00

F89—28x12 in. body, 7½ in. wheels, ¾ in. rubber tires. 1 in carton, 19 lbs.
Each, $3.75

TOY STEEL WHEELBARROWS

Sheet steel bodies, selected hardwood handles with rounded grips, heavy steel wheels

F17—Rump barrow, 24 in. long, 9x12x5½ in red body, 6 in. single spoke wheel, ½ doz., in crate, 15 lbs.
Doz. $5.50

F21—Garden barrow, 29½ in long, 9x12 in red body, striped and varnished, 8 in double spoke wheel, black tipped handles. ½ doz. in crate, 25 lbs.
Doz. $8.95

"OVERLAND" SCOOTERS

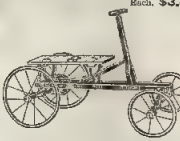
Green enameled, 29x28 in. over all, platform 4½x12 in., steel frame, red enameled wood cross handle, natural varnished hardwood platform, 3 in. double spoke wheels. 2 in carton 18 lbs.

F221—¼ in. rubber tires Each, $1.60
F222—¾ " " " " 2.10

F223 Length 40 in., ht. 33 in., high bike steel frame, 18x1¾ in. natural varnished hardwood platform, 10 in light orange wheels, barrel hubs with ball bearings, ⅞ in. rubber tires, black enameled wood cross handle. 2 in crate, 35 lbs.
Each, $3.50
(Total $7.00)

HAND CARS

F189—"Junior," 37 in. long, 7x14 in. gold bronze decorated seat, 6 and 10 in. red wheels, ¾ in. rubber tires, black enameled steel frame and gear, heavy axles. 1 in crate, 25 lbs.
Each, $3.35



F200—"Traveler," 21 in. long, 7½x16 in. red seat, 8 and 12 in. red wheels, ¾ in. rubber tires, black enameled steel frame and gear, gold bronze decorations, heavy axles and cog drive, nickel plated hub caps. 1 in crate, 30 lbs.
Each, $4.25

"OVERLAND COASTER

Red enameled hardwood seat and handle bars, steel fork steering gear and wheel supporters, green enameled double spoke steel wire wheels, rubber tires

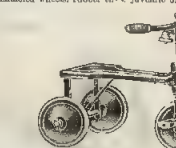
F212—Baby coaster, 20 in. long, 16½ in. high, 8½ in. high to seat, 7½x15½ in seat, 2 14 wheels, 8 spokes, ½ in rubber tires. 2 in carton, 10 lbs
Each, $1.60
(Total $3.20)

F213—24 in long, 21 in high, 11 in. high to seat, 9½x20 in seat, 8 in. wheels, 12 spokes, ½ in. rubber tires. 2 in carton, 20 lbs
Each, $2.10
(Total $4.20)

"AMERICAN NATIONAL PEDAL BIKES—Rubber Tired

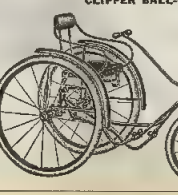
Red enameled heavy hardwood varnished seats, yellow striped black enameled steel frame and front fork substantially braced, red enameled wheels, rubber tires, juvenile bicycle bell, nickel plated hub caps

F239—Heavy double spoke wheels, 24 in long, 19 in high shaped seat 16 in. long, 7 in wide at rear, heavy crossplace red enameled handle 8 in wheels, ¾ in. rubber tires. 2 in carton
(Total $4.50) Each, $2.25



F240—Double disc steel wheels, 24 in. long 18 in. high, shaped seat 16 in long, floe tubing shaped handle bars, wound leather grips, 7 in. double disc wheels, ¾ in. rubber tires. 2 in carton.
(Total $7.50) Each, $3.75

CLIPPER BALL-BEARING TRICYCLE



F191 Size 3 to 5 yrs., 12 and 20 in. wheels, maroon enameled frame and wheels, gold bronze striping, ¾ in. rubber tires, ball-bearing throughout, wide heavy mud guards, suspension springs, adjustable seat, padded corduroy upholstered seat and back, nickel plated bent steering bar leather wound grips. 1 in crate, 47 lbs
Each, $12.10

GENUINE "KIDDIE-KARS"

Clear yellow pine throughout, well varnished, "U" steering handle on front wheel, put together with screws, shaped seat for padding or cushing.

Red Stained Wood Wheels—Natural varnished top and frame

F7764—(Mfrs. No. 1). 18 in. long, 7 in. high to seat, 4½ in wheels, ½ doz. K.d. and wrapped, 8 lbs.
Doz. $12.00

F3765—(Mfrs. No. 2) 17 in long, 8½ in. high to seat, 5½ in. wheels, ½ doz K. d. and wrapped, 5½ lbs.
Doz. $16.00

F3766—(Mfrs. No. 3) 18 in. long, 10 in. high to seat, 6¾ in. wheels, ½ doz. K. d. and wrapped, 7½ lbs.
Doz. $20.00

F3767—(Mfrs. No. 4 20 in. long, 11½ in. high to seat, 6 in. wheels, ½ doz. K. d. and wrapped 10 lbs
Doz. $24.00

F437—Assted, comprising ½ doz. each F3764 and F3767 and ½ doz. each F3765 and F3766. Assted. 1 doz. in case, 67 lbs.
Asst. $17.67

Rubber Tired Steel Disc Wheel "Special"—Red enameled double disc wheels, roller bearings, baked red enameled seat and old ivory frame and handle

F3770—(Mfrs. 102). 17 in. long, 8¼ in high to seat, 4½ in wheels, ¾ in. rubber tires. ½ doz. K. d. and wrapped, 6½ lbs
Doz. $24.00

F3771 (Mfrs. 103). 18 in. long, 10 in high to seat, 5½ in wheels, ¾ in. rubber tires. ½ doz. K. d. and wrapped, 7 lbs.
Doz. $30.00

PUT A PRICE TICKET ON EVERY ITEM

"CLIPPER" VELOCIPEDES

Distributed exclusively by BUTLER BROTHERS

Steel Tires—Heavy half oval black enameled steel frame, heavy red enameled steel wire wheels, 1 piece fork with adjustable ostich improved adjustable saddle, double coil springs, stationary handle bars, stained wood grips, stamped steel head and pedals 3 in crate.

	Mfrs.	Wheels	Size	Wt.	Each
F153—O	14 and 9 in		Small	48 lbs.	$1.85
F154—1	16 " 12 "		2 to 7 yrs.	50 "	2.20
F155—2	20 " 14 "		5 " 9 "	56 "	2.47
F156—3	24 " 16 "		7 " 11 "	66 "	2.85

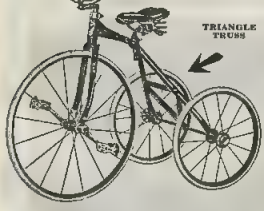
F157 Assid. one F153, two F154 and one F155, as shown above. Assd. 4 in crate, 60 lbs. ASST. (4 pcs.) **$8.80**

Rubber Tires—Heavy half oval black enameled steel frame, heavy red enameled steel wire wheels with ⅝ in. front and ¾ in. rear rubber tires, 1 piece fork with adjustable catch, improved adjustable saddle, double coil springs, stationary handle bars, stained wood grips, stamped steel head and pedals 3 in crate.

	Mfrs.	Wheels	Size	Crate	Wt.	Each
F157—OR	14 and 9 in.		Small	3	47 lbs.	$2.40
F163—1R	16 " 12 "		3 to 7 yrs.	3	50 "	2.65
F164—2R	20 " 14 "		5 " 9 "	3	62 "	2.95
F165—3R	24 " 16 "		7 " 11 "	2	48 "	3.45

F166—Assid. one F157, two F163 and one F164, as shown above. Assd. 4 in crate ASST. (4 pcs.) **$10.80**

"TRIANGLE TRUSS SPECIAL" VELOCIPEDES



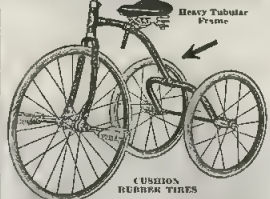
Heavy half oval red enameled frame gilt striped steel wire wheels ⅝ in rubber tires nickel plated ball cups truss-rod frame, wide axles, full nickel plated adjustable Chicago type handle bars, motor bar grips bicycle heads, double coil nickel plated spring padded bicycle saddle 1 in crate

	Mfrs.	Wheels	Size	Wt.	Each
F140—11	16 and 12 in.		3 to 5 yrs.	50 lbs.	$6.75
F141—12	20 " 14 "		3 " 5 "	55 "	6.40
F142—13	24 " 16 "		6 " 7 "	40 "	7.15

BALL-BEARING VELOCIPEDES

"Sampson" Ball-Bearing—Maroon enameled, gold striped half oval square truss steel frame, ball-bearing wheels with maroon enameled wire spokes ¼ in. rubber tires, nickel plated hub caps and mud guard on front wheel, padded leather saddle with nickel plated double coil springs, adjustable nickel plated handle bars with forward extension and rubber grips, nickel plated rat trap pedals, drop forged crank and bicycle bell 1 in crate.

	Wheels	Size	Wt.	Each
F175—16 and 12 in.		2 to 5 yrs.	35 lbs	$8.95
F176—20 " 14 "		3 " 5 "	37 "	9.75
F177—24 " 16 "		5 " 7 "	45 "	10.75



Ball-Bearing Tubular—Carmine enameled tubular frame, fork and rim, gold striping, arched fork crown, all joints hand brazed, ball-bearing wheels, bicycle spokes and nipples, 1 in cushion rubber tires, padded bicycle saddle drop forged crank adjustable handle bar with forward extension rubber motor bike grips, solid rubber pedals 1 in crate.

	Wheels	Size	Wt.	Each
F193—16 and 10 in.		½ to 3 yrs.	35 lbs	$ 9.70
F194—20 " 14 "		3 " 5 "	45 "	12.10
F195—24 " 16 "		5 " 7 "	55 "	14.50

"OVERLAND" BIKES

Blue enameled heavy steel frames, adjustable handle bars stained wood grips, saddle shape red enameled seat board

F242—Length 22 in., ht. 10¾ in., ht. of seat 10¾ in., seat fork 4 in., 9 in. front wheel with 12 spokes, 7 in. rear wheels with 8 spokes, ½ in. rubber tires. 2 in carton, 15 lbs. Each, **$2.55**

F244—Length 26 in., ht. 26 in., ht. of seat 11¾ in., seat 10x8¾ in., 11 in. front wheels with 7/8 spokes, 9 in. rear wheels with 12 spokes, ½ in. rubber tires. 2 in carton, 20 lbs. Each, **$3.10**

F246—Length 28 in., ht. 30 in., ht. of seat 11½ in. seat 10x8¾ in. 10 in. front wheels with 20 extra heavy spokes 9 in. rear wheels with 12 extra heavy spokes, ¾ in. heavy rubber tires. 2 in crate, 23 lbs. Each, **$4.15**

"AMERICAN NATIONAL" JUVENILE AUTOS

Black enameled frames joint auto gear, gas and spark control, motor meters, with red and white markers, nickel plated radiator caps and hub caps. Finished in high grade enamels and best varnishes.

F448—"Ace," 12x30 in. red body, yellow and black striplines, underslung front axle, bumper, 30 in. double spoke wheels, ¾ in. rubber tires. 1 in crate, 35 lbs. Each, **$4.95**

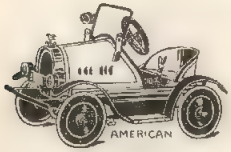
F452—"Reliance," 12x27 in. body, red seat and frame, yellow striping, black hood, underslung front axle, adjustable gear shift, tool box, screecher signal, instrument board, bumper, rear lamps, license tag, 15 in. double spoke red wheels, ¾ in. rubber tires. 1 in crate, 42 lbs. Each, **$7.25**

F461—"Hornet," 13x30½ in. red body, yellow panels and stripings, underslung front axle, composition steering wheel with hand grips, metal barrel shape rear lamps, nickel plated radiator, license tag, fashionable model instrument board, adjustable spring control gear shift, screecher signal, gas tank and bumper, 10 in. red enameled disc steel wheels, ½ in. corrugated rubber tires. 1 in crate, 58 lbs. Each, **$10.50**

F462—"Hudson," 14x37 in., Cadillac brown body, black panel and yellow striping, underslung front axle, composition steering wheel with hand grips, screecher signal, rear lamps, side oil lights, instrument board, gear shift, operating license and "Push" signal, "Jar Nut" rear springs, imitation cloth top, adjustable front fenders, nickel plated, 7 piece windshield, bumper, nickel plated rear axle brackets, 12 in. double spoke red wheels, ½ in. rubber tires. 1 in crate, 56 lbs. Each, **$12.75**

WHEEL GOODS

AUTOMOBILES



Tan body, size 13x34 inches, with brown and yellow striping. Nickel plated bands over hood.

Equipment

10 inch double disc wheels. ½-inch rubber tires. Plain bearings Nickel plated hub caps Composition steering wheel Horn. Nickeled windshield. Spotlight. Motor meter Instrument board. Oil can. Road lamps. Gear shift operating "Stop" and "Slow" signal. Rubber pedals Upholstered seat.

No.	Ship. wt. each	Each
4535D	65 lbs	$28 80

One in a box.

Body size 13x36 inches. American red, striped in yellow

Equipment

10-inch double disc wheels, ½ inch rubber tires. Plain bearings. Nickel plated hub caps. Cast steering wheel. Fire bell with bracket and cord. Two lanterns with holders. Metal road lamp. Gear shift Bumper Rubber pedals Nickel plated hub caps. Instrument board.

No.	Ship. wt. each	Each
4572	50 lbs	$28 00

One in a box

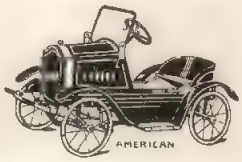
Red body, size 13x29½ inches, with yellow panels and striping

Equipment

10-inch double disc wheels. ½-inch rubber tires. Roller bearings. Nickel plated hub caps. Composition steering wheel. Horn. Motor meter. Instrument board. Nickel plated steel radiator. Oil can with holder. Gear shift. Road lamps. License tag Rubber pedals.

No.	Ship. wt. each	Each
4584D	68 lbs	$33 00

One in a box



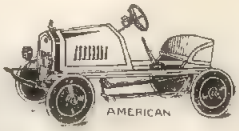
Body size 12x36½ inches Red seat and fra..e, blue hood

Equipment

10-inch wire wheels. ½-inch rubber tires Nickel plated hub caps. Cast steering wheel Black enameled windshield Aluminum motor meter Oil can with holder License tag. Rubber pedals.

No	Ship. wt. each	Each
4526	52 lbs	$21 50

One in a box



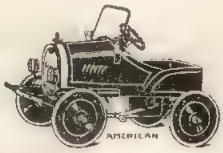
Red body, size 18x40 inches, with black and yellow striping

Equipment

10-inch double disc wheels. ½-inch rubber tires Plain bearings. Nickel plated hub caps Cast steering wheel. Horn. Motor meter Instrument board. Oil can with holder Road lamps License tag. Gear shift Rubber pedals

No	Ship. wt. each	Each
4521D	50 lbs	$19.80

One in a box



Royal blue body, size 12x30½ inches, with yellow striping

Equipment

10-inch double disc wheels. ½-inch rubber tires. Plain bearings Nickel plated hub caps. Cast steering wheel. Horn. Windshield. Motor meter Road lamps. License tag. Oil can with holder Rubber pedals

No.	Ship. wt. each	Each
4518D	40 lbs	$17.50

One in a box.

REVOLVING CASES

AMERICAN

For Full Descriptive Matter, See Preceding Page

Drawer Sizes

Inside Measurements

Case Nos. 10, 10L, 12 and 12L; Depth 2¼ in.; Length 5⅝ in.; Width Front 6¼ in.; Back 1⅛ in.

Case Nos. 14, 14L, 16 and 16L; Depth 2¼ in.; Length 6⅜ in.; Width Front 7¾ in.; Back 1¾ in.

Case Nos. 18, 18L and 18LK; Depth 3¼ in.; Length 7¾ in., Width Front 8⅝ in., Back 1¾ in.

Case Nos. 20, 20L, 22, 22L, 20LK and 22LK; Drawers in Revolving Part; Depth 3¼ in.; Length 7¾ in.; Width Front 8⅝ in.; Back 1¾ in.

Base Drawers.

Depth 3¼ in.; Width 8⅝ in.; Length 27 in.

Poplar Wood; Cherry Stained

72 Drawers; 33 inches High; 21 inches Wide

	Each
✣No. 10—With Knobs..... $95.00	50.00
✣No. 10L—With Knobs and Label Holders..... 108.80	57.30

Weight Each, 130 lbs.

80 Drawers, 36 inches High; 21 inches Wide

	Each
✣No. 12—With Knobs..... $107.40	56 50
✣No. 12L—Knobs & Label Holders 114.00	60.00

Weight Each, 135 lbs.

88 Drawers; 39 inches High, 24 inches Wide

	Each
✣No. 14—With Knobs..... $117.80	62.00
✣No. 14L—Knobs & Label Holders 123,50	65.00

Weight Each, 135 lbs.

96 Drawers; 42 inches High, 24 inches Wide

	Each
✣No. 16—With Knobs..... $126 40	66.50
✣No. 16L—Knobs & Label Holders 133.00	70.00

Weight Each, 140 lbs.

Poplar Wood; Cherry Stained

80 Drawers; 51 inches High, 30 inches Wide

	Each
✣No. 18—With Knobs $167 20	88.00
✣No. 18L—With Knobs and Label Holders 171.00	90.00

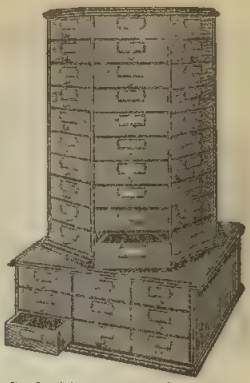
Weight Each, 250 lbs.

Oak Case

With Knobs and Label Holders

	Each
✣No. 18LK 80 Drawers; 51 inches High, 31 inches Wide..... $216 50	115 00

Weight Each, 260 lbs.



Poplar Wood; Cherry Stained

98 Drawers; 60 inches High, 30 inches Wide

	Each
✣No. 20—With Knobs..... $193 80	102.00
✣No. 20L—With Knobs and Label Holders..... 205 20	108.00

Weight Each, 380 lbs.

104 Drawers; 65 inches High, 30 inches Wide

	Each
✣No. 22—With Knobs..... $210 00	110 50
✣No. 22L—With Knobs and Label Holders 220.40	116.00

Weight Each, 385 lbs.

Oak Case

98 Drawers; 60 inches High, 30 inches Wide

	Each
✣No. 20LK—With Knobs and Label Holders $266 00	140.00

Weight Each, 385 lbs.

104 Drawers; 65 inches High, 30 inches Wide

	Each
✣No. 22LK—With Knobs and Label Holders..... $285.00	150.00

Weight Each, 390 lbs.

SECTIONAL REVOLVING NAIL BINS

All Steel. Saves Time, Space and Nails

Occupies Less than 4 Square Feet of Space; Holds from 20 to 25 Kegs of Nails; Saves Much Time in Waiting on Customers, and Nails are Handled More Economically than with Other Devices, Because, Being Near the Scale, All Over Weight is Thrown Back into the Bin, Which is Not the Case Where the Clerk Has to Walk Some Distance for This Purpose; It is Also a Fixture Which Will Ornament and Add Tone to the Store.

Each Section is Hung on Finely Adjusted Ball Bearings and Turns Easily, Whether Full or Empty; Each Section Works Independently of Every Other Section; the Upright is Steel Tubing; Bins are Annealed Sheet Steel, Perfectly Finished and Hand Riveted; **Scales are Not Included,** Unless Ordered Extra. All Sizes, 4 feet in Diameter.

Bins

Scales

Ordinary Style	Each
✣No. 13—Three Sections, 15 Bins; Height 3 ft.; Weight, 225 lbs.	$136 80
✣No. 14—Four Sections, 20 Bins; Height, 4½ ft.; Weight, 300 lbs.	150 00
✣No. 15—Five Sections, 25 Bins; Height, 6 ft.; Weight, 375 lbs.	171.85

Loose

Improved Style	Each
✣No. 23—Three Sections, 15 Bins, Height, 3 ft.; Weight, 225 lbs.	$156.40
✣No. 24—Four Sections, 20 Bins; Height, 4½ ft.; Weight, 300 lbs.	182 00
✣No. 25—Five Sections, 25 Bins; Height, 6 ft.; Weight, 375 lbs.	205 20

Loose

✣No. NBS—Scales, with Scoop; Adjusted to Raise or Lower to Any Section by Chain..... Each $24 00

Items Marked ✣ Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory.

Revolving Cases from Dayton, Ohio, Revolving Nail Bins from Wellston, Ohio

Crystal Regulators and Metal Clocks in Time and Alarm

DANUBE REGULATOR

No. 1/628 Danube. Beveled plate glasses—front, back and sides. Solid porcelain dial, 3 in. Hour and half-hour gong strike; 8-day movement. Height, 9⅜ in.; width, 6 in. Gold plated finish, each $42.00

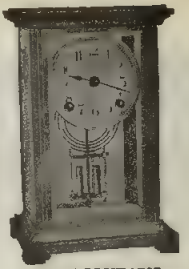
Ansonia movement

CORAL REGULATOR

No. 3/628 Coral. Beveled plate glass front, sides and back. Solid porcelain dial, 4 in. Hour and half hour gong strike, 8 day movement. Height, 9¾ in., width 6⅝ in. Polished brass. Price $46.50

No. 4 628 Coral. Gold plated. Price $50.00

Ansonia movement



DORVAL REGULATOR

No. 5, 628 Dorval. Eight day hour and half-hour gong strike, plain solid 4 in porcelain dial, beveled plate glass front, sides and back. Height 8⅝ in., width 5⅝ in. Gold plated. Price $40.00

Ansonia movement

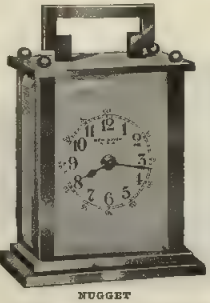
DUCHESS—Onyx Top and Bottom

No. 6/628 Duchess. Onyx top and base. Visible escapement. 4 in. porcelain dial, 8-day movement, hour and half hour strike, beveled plate glass front, sides and back. Height, 13 in., width, 7¼ in. Price $94.00

HUNTER BALL SWING

No. 7/628 Barbedienne or Verdi bronze. Fitted with 8-day time movement, the case finished in bronze, ball finished in blue or black enamel, 4½ in. dial. Height 20 in. Price $74.00

Ansonia movement.



NUGGET

No. 8/628 Nugget. One-day time piece. Height 8 in., width 5¾ in. Dial, porcelain, 1¾ in. Price $9.45

New Haven movement.

TOURIST ALARM

No. 12 628 Hour and half hour strike and alarm. Ansonia movement. Height, 7⅞ in., width 4⅝ in. Dial, 2½ in. Nickel plated case. Price $8.05

AQUITAINE BRASS CLOCK

No. 10, 628 Aquitaine. Solid brass case. Height 7¾ in., width, 6¼ in. Dial, 4 in. Pendulum visible through beveled plate glass panel, beveled white plate glass back door, hour and half-hour gong strike. Porcelain dial. Price $58.00

Ansonia Movement

ZARBINE

No. 9 628 Height, 3⅝ in., width 6⅝ in. One-day time. 7 in. porcelain dial. Ormolo gold plate, French bronze gold brass or statuary finish. New Haven movement. Price $6.80

BRASS CLOCK

No. 598, 628 Colonial brass case 3⅝ in. high, 3 in. wide. Ansonia 8 day, half hour movement. Beveled glass in dial. Double glass front. Price $8.80

No. 598/628 One day time movement. Price $6.00

ARGOS

No. 11/628 Height 4 in., width 5 in., 2 in. dial. One day time movement. Rose gold finish. Price $5.80

New Haven movement.

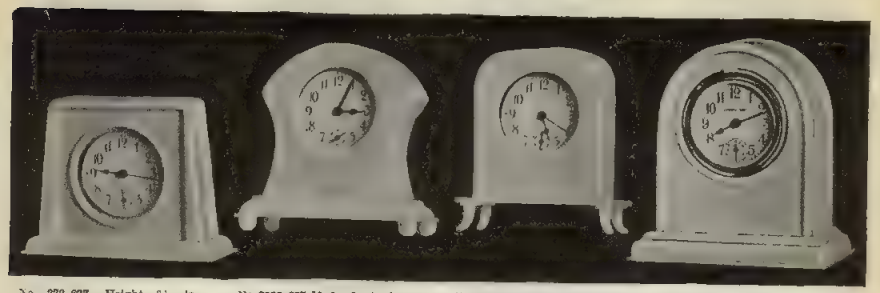
AFTON

No. 13/628 Afton. Height, 4¼ in.; width, 4⅜ in., 2 in. dial. One-day time movement. Rose gold finish. Price $5.80

New Haven movement.

High Grade White French Ivory Clocks

Cases are all fine grained heavy stock, fitted with 1-day, 8-day time and alarm movements.



No. **272, 627** Height, 3½ in., width, 4⅝ in. Fitted with a high grade 30 hour American warranted movement. 2 in. dia. Price **$6.25**

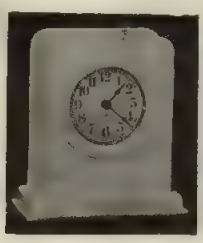
No. **3022 627** Made of extra heavy seamless stock 4¼ in. high and 4¼ in. wide. Fitted with a high grade 30-hour American warranted movement 2 in. dial. Price **$8.00**

No. **2302 627** Made of extra heavy seamless stock with solid feet. Fitted with a high grade 30-hour American guaranteed movement 2 in. dial. Height, 4⅜ in., width, 3¾ in. Price..... **$5.80**

No. **1452/627** Fitted with an 8-day American guaranteed movement 2 in. dial. Height, 4⅜ in., width, 4⅛ in. Price..... **$10.85**

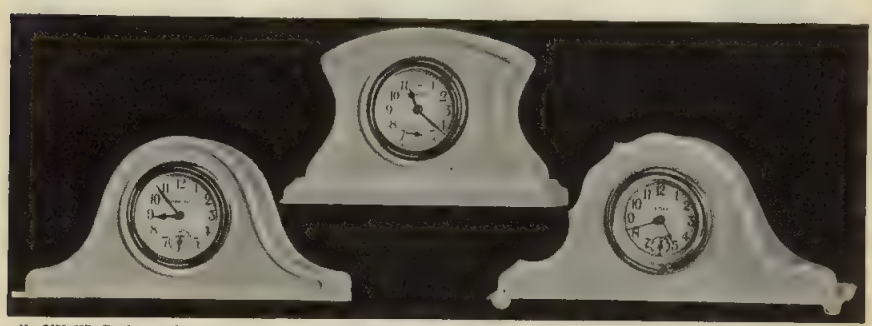
No. **1442/627** Fitted with New Haven Junior Tattoo alarm movement. Price..... **$11.20**

No. **951/627** Height, 4¾ in.; width, 3 in. Made of medium weight stock. Fitted with guaranteed movement. A big value at the price. Each..... **$5.30**



No. **1925/627** Height, 4⅛ in., width, 3⅝ in. Cabinet style. High grade American movement. 1-day time movement. 1⅝ in. dial. Price..... **$4.45**

No. **622/627** A new tambour shape in extra heavy grained stock. 8 in. base. Extreme height, 4⅛ in. 1⅝ in. dial. Each..... **$6.10**



No. **3452 627** Tambour style. Fitted with a guaranteed American 30-hour movement. 2 in. dial. Width, 7⅝ in. Height, 3⅜ in. Price **$7.10**

No. **3002/627** Fitted with an 8 day American high grade movement. Price..... **$10.50**

No. **3382 627** Fitted with New Haven Junior Tattoo alarm movement. Price..... **$11.70**

No. **312/627** Alarm Clock. New Haven Junior Tattoo alarm movement. Height, 4½ in., width, 4⅝ in. Price..... **$11.40**

No. **3432/627** Fitted with high grade 30 hour American warranted movement. Price... **$7.20**

No. **5312/627** Tambour style. Made of extra heavy stock and in a fairly good match for Betsy Ross and Fairfax Pattern toilet ware. It is 7⅜ in. long and 5⅜ in. high. Fitted with a high grade 30-hour American warranted movement. Price..... **$8.90**

COMBINATION ANVILS AND VISES

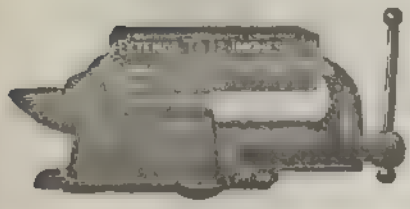
For Farmers, Repair Shops and Light Forging; Have Horn for Shaping Purposes.

Cast Iron Body Head and Horn; Wrought Iron Screw and Sliding Handle, Hardened and Polished Face and Jaws; Toothed Pipe Holding Jaws; Wrought Iron Bolt Slide, Painted Black.

Each

No. 3AV—Size of Face 7x3 inches; Width of Jaws 3 inches; Jaws Open 3¾ inches; Holds Pipe ¼ to 2 inches; Length 16½ inches; Height 5 inches; Weight Each, 23½ lbs. **$4.80**

Loose



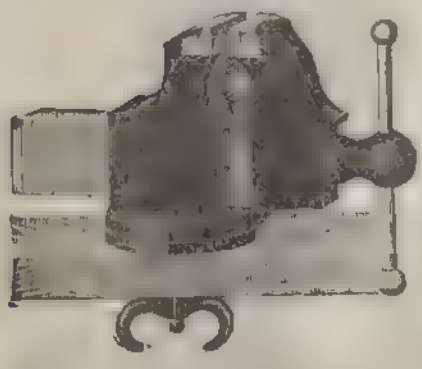
DIAMOND

Cast Iron Body, Head Slide and Horn; Steel Screw and Slide Handle, Hardened [illegible] Polished Head and Tempered Steel Faced Jaw; Positive Lock; Movable Jaw Painted Green.

Each

No. D—Size of Face 7x2¾ inches; Width of Jaws 4¼ inches; Jaws Open 10¾ inches; Size of Screw ¾ inch; Holds Pipe up to 2 inches; Length 16½ inches; Height 6¾ inches; Weight Each, 44 lbs. **$11.00**

One in a Case



STANDARD

General Purpose Machinists Vise with Pipe Jaws.

Swivel Base, Reversible Pipe Jaws, Cut and Milled from Best Quality Steel.

Japanned Cast Iron Body; Welded; Steel Faced Parallel Jaws; Polished Steel Screw and Sliding Handle; Polished Jaws and Slide.

Nos.	402C
Width of Jaws, inches	4½
Takes Pipe, inches	⅛ to 3
Weight Each, lbs.	85
Each	22.00
Loose	38.70

COMBINATION ANVILS AND VISES

For Farmers, Repair Shops and Light Forging; Have Horn for Shaping Purposes.

STAR

Cast Iron Body, Head, and Horn; Solid Cut Steel Screw; Steel Handle, Hardened Anvil Face and Horn; Jaws Faced with Hardened Steel Positive Lock Movable Jaw, Anvil Body, Milled Pipe Grip Jaws; Painted Green

Each

No. 5 AV—Size of Face 8½x3 inches; Width of Jaws 3⅞ inches; Jaws Open 9½ inches; Holds Pipe ¼ to 2 inches Length 17 inches; Height 7 inches; Weight Each, 40 lbs. **$10.50**

One in a Case

DRILL ATTACHMENTS

STEWART

Handy Combination Tool for Farmers, Garages and General Repair Work.

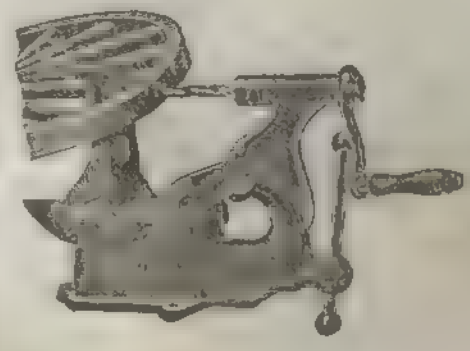
Consists of the following Tools: a strong and Powerful Vise from ½ to 4½ in. width of Jaw 4 in. Swiveling Handle; Pipe Vise, Takes up to 1½ inch Pipe; Drill Press, which can be operated at Two Speeds; 3x9½ in. Anvil; Corundum Grinding Wheel 5x1 inches, three speeds, direct, 4 to 1 and 16 to 1; Cast Iron Frame and Handle, Painted Green; Polished Face and Jaws; Length 22 inches; Height 11¼ inches.

Each

No. SHT—Weight Each, 93 lbs. **$38.50**

One in a Box

DIAMOND



For Use with No. D Diamond Vise

For Use when Drilling Tires and Rims of Wheels or Riveting; Boring Holes in Any Kind of Metal or Wood Work. Will be found Convenient and Easy to Put in Operation.

Each

No. DD—Cast Iron, Painted Green; Polished Chuck; Hardwood Handle; Takes Square Shank, Bit Stock Drills or Auger Bits up to ⅜ inch; Weight Each, 15½ lbs. **$4.60**

One in a Case

ANVILS

*BLACK PRINCE

Wrought Iron Body; Tool Steel Face

Body is Solid [illegible] Two Piece, Welded to the Wrought Face is One Solid Piece of Special High Grade Tool Steel, Welded to the Body Carefully Ground, Smooth and Polished.

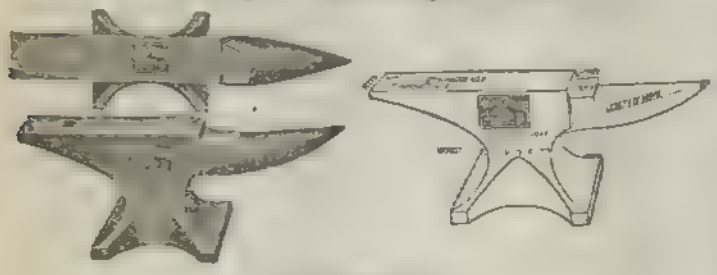
Guaranteed for One Year Against Defects of Material or Manufacture

Features—Long, Perfectly Shaped Horn and Heel; Great Area at Spread of Bick, Giving Steadiness when Working at End of Horn.

Special Tempered Edges to Prevent Chipping

Hardie and Pritchel Holes and other Mechanical Details Accurately Designed.

We Charge for Actual Weight of Anvils



BLACKSMITH

For General Forging

Nos.	✣10	✣20	✣30	✣40
Approx. Weight, lbs	[illegible]	[illegible]	[illegible]	[illegible]
Face, inches	[illegible]	[illegible]	[illegible]	[illegible]
Horn, inches	[illegible]	[illegible]	[illegible]	[illegible]
Hardie Hole, inches	[illegible]	[illegible]	[illegible]	[illegible]
Pritchel Hole, inches	[illegible]	[illegible]	[illegible]	[illegible]
Per Pound	$0 80	60	.50	45

Nos.	✣50	✣60	✣70
Approx. Weight, lbs	[illegible]	[illegible]	[illegible]
Face, inches	[illegible]	[illegible]	[illegible]
Horn, inches	[illegible]	[illegible]	[illegible]
Hardie Hole, inches	[illegible]	[illegible]	[illegible]
Pritchel Hole, inches	[illegible]	[illegible]	[illegible]
Per Pound	$0 35	.40	35

Nos.	100	125	150
Approx. Weight, lbs	[illegible]	[illegible]	[illegible]
Face, inches	[illegible]	[illegible]	[illegible]
Horn, inches	[illegible]	[illegible]	[illegible]
Hardie Hole, inches	[illegible]	[illegible]	[illegible]
Pritchel Hole, inches	[illegible]	[illegible]	[illegible]
Per Pound	$0 35	35	.35

Nos.	175	200	✣250
Approx. Weight, lbs	[illegible]	[illegible]	[illegible]
Face, inches	[illegible]	[illegible]	[illegible]
Horn, inches	[illegible]	[illegible]	[illegible]
Hardie Hole, inches	[illegible]	[illegible]	[illegible]
Pritchel Hole, inches	[illegible]	[illegible]	[illegible]
Per Pound	$0 35	35	.35

Nos.	✣300	✣350	✣400
Approx. Weight, lbs	[illegible]	[illegible]	[illegible]
Face, inches	[illegible]	[illegible]	[illegible]
Horn, inches	[illegible]	[illegible]	[illegible]
Hardie Hole, inches	[illegible]	[illegible]	[illegible]
Pritchel Hole, inches	[illegible]	[illegible]	[illegible]
Per Pound	$0 35	35	.35

Nos.	✣450	✣500	✣600
Approx. Weight, lbs	[illegible]	[illegible]	[illegible]
Face, inches	[illegible]	[illegible]	[illegible]
Horn, inches	[illegible]	[illegible]	[illegible]
Hardie Hole, inches	[illegible]	[illegible]	[illegible]
Pritchel Hole, inches	[illegible]	[illegible]	[illegible]
Per Pound	$0 35	.35	35

Wrapped in Burlap

ANVILS

*BLACK PRINCE

Wrought Iron Body; Tool Steel Face

Body is Solid [illegible] Two Piece, Welded to the Wrought Face is One Solid Piece of Special High Grade Tool Steel, Welded to the Body Carefully Ground, Smooth and Polished.

Guaranteed for One Year Against Defects of Material or Manufacture

Features—Long, Perfectly Shaped Horn and Heel; Great Area at Spread of Bick, Giving Steadiness when Working at End of Horn.

Special Tempered Edges to Prevent Chipping.

Hardie and Pritchel Holes and other Mechanical Details Accurately Designed.

We Charge for Actual Weight of Anvils

Clip Horn — Plain Horn

HORSE SHOERS OR FARRIERS

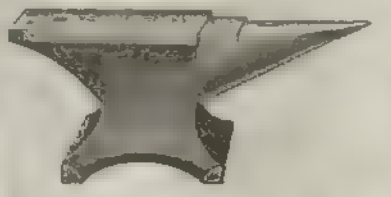
Clip Horn

Nos.	✣C100	✣C125	✣C150	✣C175	✣C200
Approx. Weight, lbs	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Face, inches	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Horn, inches	10	11	12	[illegible]	[illegible]
Hardie Hole, inches	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Pritchel Hole, inches	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Per Pound	$0 40	40	40	40	40

Plain Horn

Nos.	✣P100	✣P125	✣P150	✣P175	✣P200
Approx. Weight, lbs	100	125	150	[illegible]	[illegible]
Face, inches	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Horn, inches	10	[illegible]	[illegible]	[illegible]	[illegible]
Hardie Hole, inches	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Pritchel Hole, inches	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Per Pound	$0 35	35	35	.35	35

Wrapped in Burlap



VULCAN BLACKSMITH

Steel Faced

Solid [illegible] Steel, Tempered and [illegible] Face, Welded to Solid Cast Iron Japanned Base; Top and End of Horn Made of Toughened Untempered Steel

A Good General Purpose Anvil for Use of Farmers, Repair Shops and Country Blacksmiths.

Nos.	V2	V3	V4	V5
Weight, lbs	[illegible]	80	90	100
Size Face, inches	2¾x6	2¾x7¼	3x7½	3x8½
Horn, inches	4⅜	4¾	6	6
Height, inches	5⅝	6½	7	7½
Hardie Hole, inches	½	½	⅝	⅝
Each	$8 50	10 50	11 50	13 20

Nos.	V6	V7	V8	V9
Weight, lbs	60	70	80	90
Size Face, inches	3¼x10⅝	3¼x11	3¼x11½	3¼x12
Horn, inches	7	7⅛	7⅝	7
Height, inches	8	8⅝	9⅜	9⅝
Hardie Hole, inches	⅝	¾	¾	¾
Each	$14 50	16 00	17 70	19 80

Nos.	V10	✣V11	✣V12	✣V13
Weight, lbs	100	110	120	130
Size Face, inches	3½x12½	3¾x13	3¾x13½	3¾x13½
Horn, inches	[illegible]	[illegible]	[illegible]	[illegible]
Height, inches	10½	10¾	10¾	10¾
Hardie Hole, inches	1	1	1	1
Each	$22 00	22 50	24 50	26 50

Wrapped in Burlap

Items Marked ✣ Not Carried in Stock, Can Only be Furnished by Shipping Direct from Factory

This is one of the first stoves made in America

America's first stove was built in 1767

Before 1760 very little was known of stoves, for they were a luxury for the wealthy only. The open fireplace was all that was known prior to that time. Although many of the smaller buildings and huts were comfortably heated in this fashion, many of the larger buildings could never be heated to any degree of comfort during the cold winter months.

What is probably the oldest stove produced in this country was made in 1767, nine years before the Declaration of Independence, and is owned by a Michigan stove company, which has had it on exhibition in various parts of the country. It is an old-fashioned box-stove, of the "10-plate" variety (so-called because made up of ten pieces). It stands on legs or end supports, similar to those of a sewing machine, except that they are about half as high and of much heavier casting. The total weight of this stove is 500 pounds. It is 3 feet long, 32 inches high, and 18 inches wide. There is no grate in the bottom, the fire being built directly on the bottom of the stove. The heat passes from below the oven, back of it, and over the top of the pipe.

The outside has scrolls, designs and crowns in relief, much after the fashions of many stoves of to-day, and on both sides, cast with the metal, are the words, "Hereford Furnace, Thomas Mayburry, 1767."

Invites cars to park in front of his store

When many of the retailers in the business district of a California town began to put out little signs that read, "Do not park here," a wide-awake dealer made capital of the opportunity and put a sign before his store with an invitation to cars to park before the store. As long as he knew that they were not infringing on any city ordinances he knew that only a few could park there; but he knew that many would read the sign and say to themselves that he was "a pretty white chap after all." The reputation for hospitality and generosity could do him no harm and might do him considerable good.

Vote early—use the colored card enclosed

Reaches parents by selling to schools

A New England hardware merchant did not overlook the schools as a method of increasing his business. He went after the trade of the schools and institutions that made a practice of planting gardens in which the scholars or the inmates did the work. These schools and institutions needed more garden equipment every year, so the wise hardware merchant got after them early, solicited them for this business, and tied it up.

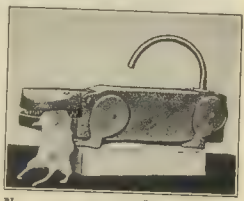
Worked through students

Also, where the schools instructed their pupils in the best methods of getting good garden results, it was quite natural that the students should talk so enthusiastically about gardens that their families wanted to have gardens of their own. The hardware dealer set out to get the names of all the students who did any gardening under the direction of the school supervisors, and then solicited the parents of these children to purchase garden equipment. He obtained the names of these pupils without much difficulty from the teachers and principals.

Of course, in soliciting the parents of the children he informed them that the store had sold to the school the equipment which was being used by the scholars. This information at once made the parents view the store and its proposition with considerable favor and helped in closing some sales, which otherwise might not have been made. In selling to the parents he emphasized the fact that the children were gaining in health by reason of their garden activities and that similar activities would be a splendid thing for the older folks. All this helped the store greatly in selling garden tools.

This rat-trap looks like a dachshund

A Mansfield, Ill., inventor has devised a trap for mice, which deserves mention for originality of structure if for nothing else. The mechanism consists of a wooden figure of a dog within which is a strong rat-trap. If the tail were changed, the mechanism would make a splendid alligator. Although the tail seems to serve only as an ornament, it is really the most important part of the trap. It must be moved down to set the trap. When the mouse touches the bait-plate, which takes the place of the dog's tongue, the upper part of the jaw comes down with a thud and the tail goes up. A strong spring operates it. The illustration shows how the trap "eats 'em alive."



No mouse can crawl out of this picturesque trap

NEW CARS AND MODELS

The Flint Six Introduced

ALTHOUGH the announcement that the Flint Six would soon be placed on the market was made some time ago by the Durant Motors, Inc., the first opportunity for the public to see this car was during show week in the Hotel Commodore, New York City. Three body types were announced and exhibited, the touring car at $1195, the coupe at $1895 and the sedan at $1985. These are mounted on a chassis of 120-in. wheelbase powered by an engine 3½ x 5 in., L-head type. The engine has 7 main bearings and the chassis incorporates one of the big features on the Durant Four, namely the Durant Tubular Backbone. The springs are long and underslung at the rear. The emergency brake is at the left and the gear shift lever in the center. The bodies are attractive and of sturdy construction. The car is built low and fenders are broad. Drum-type headlights and cowl lights, deep radiator and hood and the low permanent top on the open model enhance the appearance. Nickel trimming is used on the lamps, radiator and windshield supports. The permanent top is lined and side curtains open with the doors.

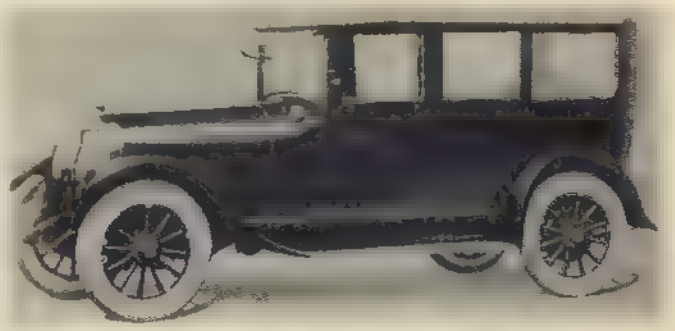
The sedan is finished in black above the molding line with the lower portion in blue. The upholstery is dark blue mohair and the windows are broad with molding in dark mahogany and equipped with blue silk curtains. The inside hardware is blue enamel and gold. There are arm and foot rests, floor heater, cowl ventilator, windshield wiper, etc., and other conveniences.

The 4-passenger coupe also has broad, low windows. It is finished with the upper portion of the body in black, and the lower in gray, and the interior body trim is Bedford cord cloth. This also has silk curtains and similar window trim to the sedan. The equipment includes clock, gasoline gage, windshield wiper, etc.

The cylinders of the Flint engine are cast in block and integral with the upper half of the crankcase. The cylinder head is detachable. Pistons have three rings above pin, and connecting rods are 10½ in. Lubrication is by force feed and splash, and cooling is by water pump mounted at the right of the engine, and a four blade V-belt-drive fan. Timing gear drive is by silent chain. The carburetor is Stromberg, mounted at the left, and the intake and exhaust manifolds are integral, forming a hot spot. The electrical system is Auto-Lite make. The clutch is a single dry plate and the gear set is a Warner, giving three speeds forward. The rear axle is semi-floating with spiral bevel gears, with a standard ratio of 4.7:1. Both brakes operate on 14-in. rear wheel drums. The springs are semi-elliptic, 36 x 2 and 54 x 2 in. In

Left: Flint Six Touring Model Which Lists at $1195 and is Finished in Military Tan With Black and White Stripes

Below: Flint Six Sedan Which Accommodates Five Passengers and is Finished With the Body Blue, and the Upper Portion Black Together With Black Running Gear.



addition to the Durant Tubular Backbone are two similar tubes, smaller in diameter and riveted to the first and second cross-members, which serve as a support for the engine and greatly increase the rigidity.

Chassis lubrication is by the Alemite system. Tires are straight side cords, 32 x 4½ in. Gasoline supply is carried at the rear in a 14-gal. tank and is fed to the carburetor by the Stewart vacuum system.

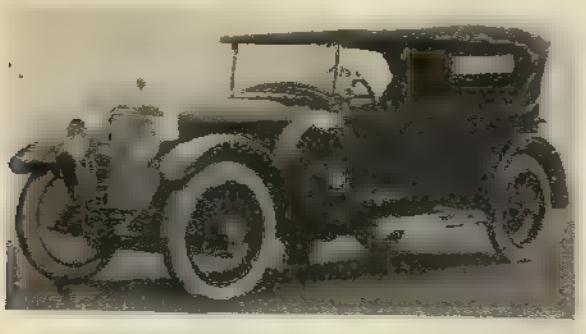
Six-Cylinder H. C. S. Line Announced

A NEW line of six-cylinder cars powered by a 3½ x 5 in. valve-in-head engine mounted on a wheelbase of 126 in. was introduced at the show by the H. C. S. Motor Car Co., of Indianapolis. In this new line is to be found the same type of workmanship and excellent finish that has characterized the Series IV, four-cylinder models. The bodies have a hardwood frame and heavy gage steel panels. Door frames are of one-piece malleable castings. The instrument board is solid walnut, polished and nickel trimmed, and hand buffed leather is used in the upholstery. The headlights are genuine nickel silver and the windshield has solid nickel alloy supports. The radiator is cellular type and has a shell pressed from nickel silver.

The car is powered by a newly developed six-cylinder engine which has a clean-cut appearance. It has developed 80 hp. at 2850 r.p.m. The cylinders are cast in block and the head is detachable. The rocker arms have brush type roller contact and are enclosed in an aluminum case. This engine is lubricated by the force-feed system throughout including the piston pins, rocker arms, and all bearings. The intake and exhaust manifolds are cast integral. The crankshaft has three bearings. Cooling is by force circulation of water and centrifugal pump driven from the generator shaft. The fan is aeroplane type two-blade, made of aluminum and driven by a V-belt.

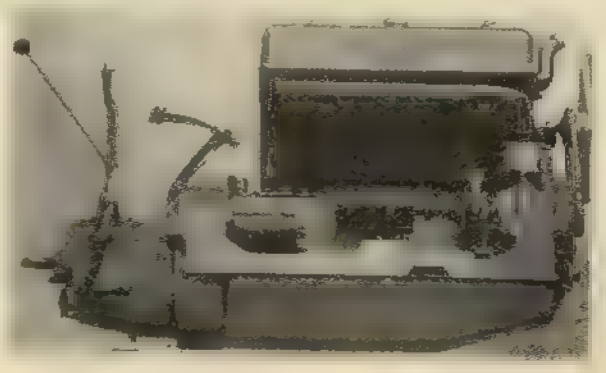
Ignition, starting and lighting are by the Delco system of special H. C. S. design. The spark control is automatic. The carburetor is a Stromberg 1½ in. Clutch is a disk, dry-plate type, and the transmission is a Brown-Lipe with three speeds forward and is enclosed in an aluminum case. The universal is larger and enclosed.

Connecting the transmission and the propeller shaft is an auxiliary shaft, which is stated to eliminate all possible misalignments of parts and to minimize road shocks. The rear axle is of H. C. S. design, ¾-floating, and has spiral bevel gears. The frame is channel section and has four strong cross-members. The spring hangers are drop-forgings and springs are semi-elliptic all around, the front 36 x 2½ in. and the rear 56 x 2½ in., with full



H. C. S. Series IV, Six

This is an illustration of the new 6-cylinder H. C. S., which was introduced at the New York Show. It is powered by an overhead valve engine and is attractively finished throughout and is of the same quality as the 4-cylinder cars.



Clean-Cut Appearance and Accessibly-Mounted Units Are Found in the Power Plant of the New H. C. S. Six

ASBESTOS SAD IRONS

No. 10 Tourist

Consists of No. 11 hood, No. 12 core and stand. One core with hood attached weighs 1⅜ lbs

No.	Core	Packed	Weight	Per Doz
10	1⅜x4¼ in.	1 doz.	18 lbs.	**$6.00**

No. 60 Dover Set

Consists of No 61 hood, three No 62 cores, No. 73 stand. One core with hood attached weighs 5¼ lbs.

Set No.	Core	Stand	Packed	Weight	Per Set
60	3¼x5⅝ in	6x6 in.	3 sets	44 lbs.	**$2.00**

No. 70 Asbestos Laundry Set

Consists of No. 71 hood, three No. 72 cores, No. 73 stand. One core with hood attached weighs 6 lbs.

Set No.	Core	Stand	Packed	Weight	Per Set
70	3¼x6½ in	6x6 in.	3 sets	49 lbs.	**$2.50**

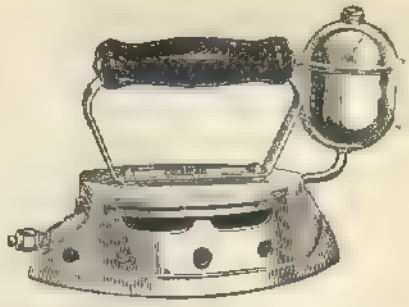
POTTS SAD IRONS

No. 502

Three solid, nickeled cores, weighing 4½ lbs. each. Hand rounded edges. Handle and stand.

No.	Packed	Weight	Per Set
502	3 sets	49 lbs.	**$2.00**

COLEMAN IRON



Generates and heats up by gasoline within five minutes. Hot point, cool handle, protected by asbestos-lined lid. Holds one half pint of fuel. Net weight is 6 lbs

Length	Width	Height	Packed	Weight	Each
10½ in	3⅝ in.	7 in.	1	7 lbs.	**$4.50**

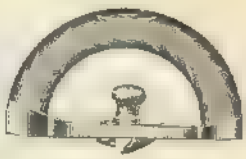
COMMON SAD IRONS

Cast iron body, polished face, wrought handles

No.	Size	Packed	Weight	Per Lb
5	5 lbs.	1	5 lbs.	**$0.15**
6	6 lbs.	1	6 lbs.	**.15**
7	7 lbs.	1	7 lbs.	**.15**
8	8 lbs.	1	8 lbs.	**.15**

POTTS SAD IRON HANDLES

No. B10



No. 501

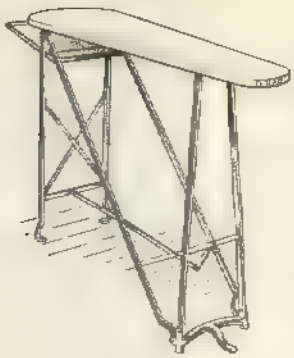
No.	Finish	Packed	Weight	Per Doz.
B10	japanned	¼ doz	1½ lbs.	**$3.60**
501	japanned	½ doz	3¼ lbs.	**1.80**

SAD IRON HEATERS

Material	Diam	Packed	Weight	Per Doz.
Cast iron	10½ in.	⅓ doz.	3 lbs.	**$12.00**

ALBANY HARDWARE & IRON CO.

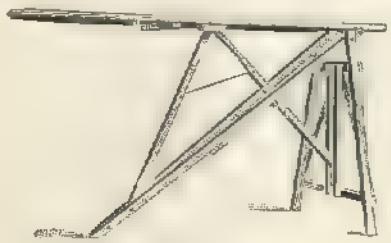
IRONING TABLES



Porter

All metal frame. Four legs and brace insure stability. Spruce board.

Name	Board	Height	Packed	Weight	Each
Porter	7x14x48 in.	32½ in.	2	37 lbs.	**$4.00**



"Firm Set"

Hardwood frame, cotton wood or Sitka spruce board. Three legs insure stability.

No.	Board	Height	Packed	Weight	Per Doz.
1	14½x56 in	32 in.	⅙ doz.	34 lbs.	**$42.00**

Paris "O.K."

Hardwood frame, clear basswood board

No.	Board	Height	Packed	Weight	Per Doz.
3	16x54 in.	19 to 33 in.	⅛ doz.	50 lbs.	**$45.00**

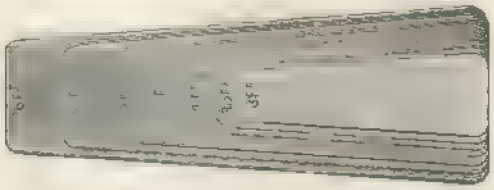
IRONING BOARDS

Limaco

All steel board and cabinet. Board held back in cabinet by a bar. Iron leg support.

Cabinet recessed in wall, opening required 14¼x54 inches, 32 inches from floor line

Size of Board	Packed	Weight	Each
47x13¼x7 in.	4	220 lbs	**$15.00**



Extra Wide Skirt or Ironing Boards

Sanded white wood, tied in paper

Length	Widths	Packed	Weight	Per Doz
3 ft.	6 and 10 in.	½ doz.	24 lbs.	**$7.50**
4 ft.	8 and 12 in.	½ doz.	39 lbs.	**12.00**
5 ft.	10 and 14 in.	½ doz.	56 lbs.	**18.00**
6 ft.	12 and 16 in.	½ doz.	80 lbs.	**24.00**

SLEEVE BOARDS

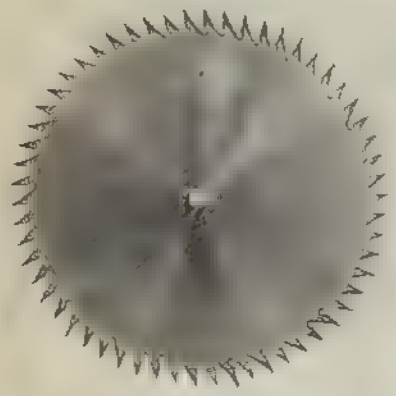
No. 3

Nicely finished white wood

Length	Widths	Height	Packed	Weight	Each
26 in.	2 and 6 in	6½ in	6	23 lbs.	**$1.35**

CIRCULAR CORDWOOD SAWS

ATKINS



SOLID TOOTH

Made of Special Analysis Steel, Particularly Adapted for Cordwood Sawing. Ground, Tempered and Polished.

Special Notice—Orders for Saws **Not of Standard Gauge or Hole,** as Described in List Below, or Irregular in Any Particular, will be Accepted **Only with the Distinct Understanding** that they are Subject to Delay in Making, **and are Not Subject to Cancellation** Under any Circumstances.

Using a Cold Chisel for Retoothing a Saw is Almost Certain to Crack the Plate, and Corners Filed Square in the Gullet of the Tooth will Frequently Produce the Same Result, Particularly in Frosty Weather; Our Warranty Does Not Cover Saws Breaking from Such Causes.

Warranty—Each Saw is Warranted Free from Flaws and Seams and as Nearly True as it is possible to Make it. If Found Defective in Above Particulars, it May be Returned (**Always Advise Us and Get Our Reply and Shipping Instructions Before Returning**), and if, on Examination, it is Found the Saw is at Fault, all Necessary Repairs will be Made or a New Saw Given in Exchange, Provided it is Returned Within 30 Days from Date of Shipment.

The Speed of Circular Saws is a Most Important Thing to Watch. If Speed is too High it Cannot do Good Work, as it Generates Heat, and the Centrifugal Force Causes it to Stretch and Become Limber and Not Cut Straight.

Diameter, inches	✣18	✣20	✣22
Thickness Gauge	13	13	12
Size of Hole, inches	1 1/8	1 1/8	1 1/8
Revolutions per Minute	2000	1800	1636
Teeth	58	62	66
Weight Each Packed, lbs.	8	11	14
Each	$12 50	15 00	17 50
	4 50	5.40	6.30

Diameter, inches	✣24	✣26	✣28
Thickness Gauge	11	11	10
Size of Hole, inches	1 1/8	1 1/8	1 1/8
Revolutions per Minute	1500	1384	1285
Teeth	60	64	70
Weight Each Packed, lbs.	18	20	25
Each	$20 50	24 00	28 00
	7 40	8 70	10 10

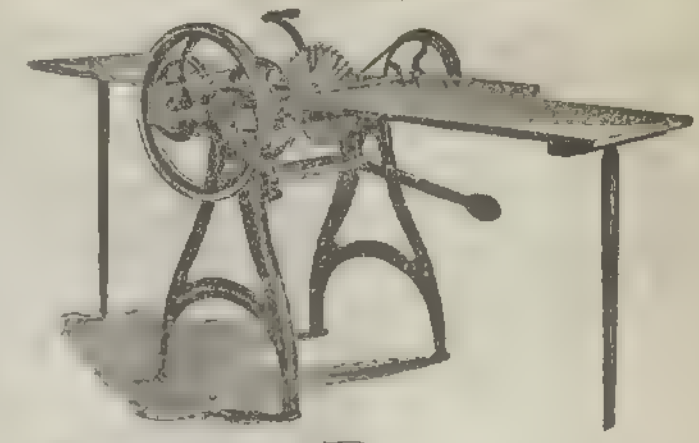
Diameter, inches	✣30	✣32	✣34	✣36
Thickness Gauge	10	10	9	9
Size of Hole, inches	1 1/8	1 1/8	1 1/8	1 1/8
Revolutions per Minute	1200	1120	1050	1000
Teeth	76	80	80	80
Weight Each Packed, lbs.	31	36	43	47
Each	$32 00	34 00	41 00	47 00
	11 60	13 20	14 80	17 00

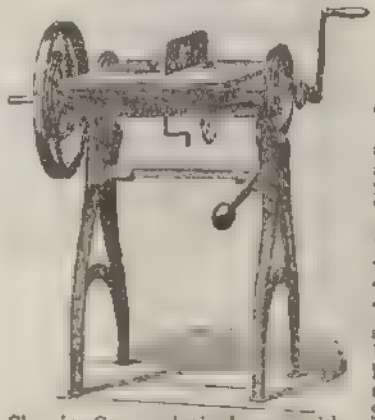
Loose

Circular Cordwood Saws Can Only be Furnished by Shipping Direct from Factory, F. O. B. Indianapolis, Ind.

CIRCULAR SAW MACHINES

BARNES





Showing Saw with Table Ready to be Placed Directly Over the Saw

Especially Adapted to Shops without Power. The Extension Shaft Permits the Use of Pulley when Desired; Painted Cast Iron Frame, Fly and Belt Wheels, Crank and Idler; Steel Axles and Shafts; Polished and Tempered Tool Steel Saws for Ripping Hard or Soft Wood of Any Thickness up to 3¾ inches and Any Width to 19 inches; Fitted with Two Self Adjusting Feed Rollers. The Table is Provided with Adjustable Gauge and Can be Lowered or Raised to Govern Depth of Cut, and by Using Two Saws Side by Side Grooving for Windows or Door Stops can be Done.

HAND POWER — Each

✣No. 20—With Two 10 in. Circular Saws, Rip Lumber up to 3¾ inches Thick, Diameter of Fly Wheel 18 inches, Height of Top of Table 25 inches, Height Over All 43 inches, Width of Tables 18½ and Width Over All 31 inches; Length Over All Including Tables 79 inches; Net Weight Complete 240 lbs.; Weight Crated 260 lbs. ... **$210.00**

Painted Cast Iron Frame, Gear and Table; Top of Table Planed Smooth; Patented Leather Belt from Drive Wheel to Mandrel Pulley. Running Over a Spur or Pin Pulley, Secures Great Speed and Power. Used for Rip or Cross Cut Sawing, Rabbeting and Grooving. The Self Feed Can be Regulated for Hard or Soft, Thick or Thin Lumber and is Self Adjusting for Different or Uneven Thickness up to 3½ inches. The Cut Off Gauge Can be Set at Any Angle. The Speed of Saw Can be Readily Changed. The Table can be Adjusted to Regulate the Depth of Grooves and Rabbets.

HAND AND FOOT POWER — Each

✣No. 4H—With Two Saws, One Rip and One Cross Cut, Height Over All 36 inches; Size of Top 30x30 inches; Length Over All Including the Front and Back Boards of Drop Extension Tables 90 inches; Floor Space Required 36x34 inches, Net Weight 450 lbs. Weight Crated in Crate, 500 lbs. ... **$370 00**

STEAM POWER

✣No. 4P—With Countershaft and Belt Pulley for Steam Power, Inside of Frame, Pulley 14x2 inches, Speed of Saw 200 Revolutions per Minute ... **370 00**

Circular Saw Machines Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory, F. O. B. Rockford, Ill.

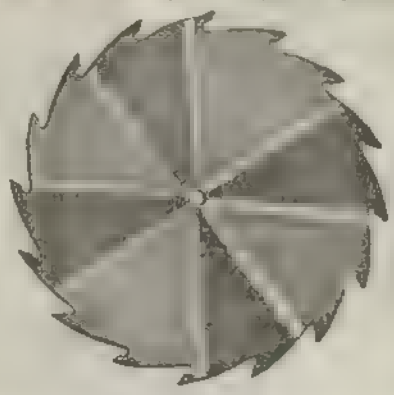
CIRCULAR SAWS

NOTE—All Prices on this Page are Manufacturers Lists. Prices Quoted upon Request. When Ordering, State whether Rip or Cross Cut.

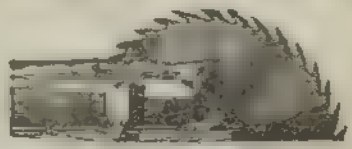
Left Hand

HAND OF SAWS

Circular Saws 30 Inches and Smaller are Made Flat on Both Sides and are Used as Either Right or Left Hand; Saws Larger than 30 inch, When Bevel Ground, with the Center Thicker than the Outer Edge on One Side and Perfectly Flat on the Other, are "Handed;" Place the Saw in Front of You with the Teeth Running Toward You and the Flat Side of Saw Names the "Hand." The Log and Carriage Run off the "Hand" Side as they Move Away from You.



SOLID TOOTH



Right Hand

DIRECTIONS FOR ORDERING

State Diameter in inches Gauge at Rim, Gauge at Center; Right or Left Hand; Number and Kind of Teeth; Size of Mandrel Hole; Size of Pin Hole; Distance Between Pin Holes from Center to Center; Greatest Feed at Each Revolution, in inches; Kind of Lumber to be Sawed; Number of Revolutions per Minute. When Ordering Bolting Saws, State Whether Rip or Crescent. Saws 40 inches and Larger have 2 inch Mandrel Hole, 5/8 inch Lug Pin Holes, 3 inches from Center to Center, if Wanted Differently Send Pattern of Holes.

Polished Crucible Steel, Patent Ground and Tempered.

Special Notice.—Orders for Saws Not of Standard Gauge or Hole as Described in List Below or Irregular in Any Particular, will be Accepted **Only with the Distinct Understanding** that they are Subject to Delay in Manufacturing and **are Not Subject to Cancellation** Under any Circumstances.

Warranty.—Each Saw is Warranted Free from Flaws and Seams and as Nearly True as it is Possible to Make it. If Found Defective in Any Particular, it May be Returned (**Always Advise Us and Get Our Reply and Shipping Instructions Before Returning**), and if, on Examination, it is Found the Saw is at Fault, all Necessary Repairs will be Made or a New Saw Given in Exchange, Provided it is Returned Within 30 Days from Date of Shipment.

Cross-cut Saws are Not Warranted Against Cracking.

Using a Cold Chisel for Retoothing a Saw is Almost Certain to Crack the Plate, and Corners Filed Square in the Gullet of the Tooth will Frequently Produce the Same Result, Particularly in Frosty Weather. **Our Warranty Does Not Cover Saws Breaking from Such Causes.**

†E. C. Atkins & Co. F. O. B. Indianapolis, Ind.

†Henry Disston & Sons. . . . . F. O. B. Philadelphia, Pa.

LIST ADOPTED FEBRUARY 1, 1921

Diameter inches	Thickness Stubs Gauge	Size of Hole, inches	Revolutions per Minute	Weight Each, lbs	Each	For Each Gauge Heavier Add	Extra for Beveling Each Add. Gauge
6	18	1		1	$ 3	$0 [illegible]	$0 25
8	18	1		1½ Net	4 40	1	35
10	16	1	4,000	1½ Pack	5 60	20	45
12	16	1	[illegible]	2½ ed	7 80	30	55
14	14	1¼	3,000	2¾	8 70	4	65
16	14	1¼	[illegible]	[illegible]	10 [illegible]	50	75
18	13	1½	2,400	6	12 50	60	90
20	13	1½	2,085	8	15 00	75	1 05
22	12	1½	1,822	[illegible]	17 [illegible]	90	1 20
24	12	1¾	1,600	12	20 00	1 00	1 35
26	11	1¾	1,800	15	24 00	1 25	1 55
28	10	1¾	1,286	18	28 00	1 50	1 75
30	10	1¾	1,200	21	32 00	1 75	1 95
32	10	1¾	1,084	25	36 00	2 00	2 15
34	9	1¾	1,035	30	41 00	2 25	2.35
36	9	1¾	1,000	35	47 00	2 50	2.55
38	9	1¾	1,120	40	54 00	2 75	2.75
40	9	2	960	75	62 00	3 00	2.95
42	8	2	1,000	77	71 00	3 50	3.25
44	8	2	850	90 Pack	82 00	4 00	3.55
46	8	2	800	95 ed	98 00	5 00	3.85
48	8	2	800	105	115 00	5 50	4.15
50	7	2	884	140	127 00	6 00	4.45
52	7	2	800	150	140 00	7 00	4.80
54	7	2	750	160	155 00	8 00	5.15
56	7	2	720	175	180 00	9 00	5.50
58	7	2	700	200	200 00	10 00	5.85
60	6	2	700	225	240 00	12 00	6.15
62	6	2	700	260	280 00	14 00	6.85
64	6	2	625	275	325 00	16 00	7.45
66	6	2	600	290	340 00	17 00	7.85
68	5	2	575	350	360 00	20 00	8.25
70	5	2	550	380	440 00	22 00	9.05
72	5	2	545	380	450 00	25 00	9.65

All Saws Filed and Set Ready for Use. Sizes 6 to 10 inches Wrapped in Paper; Larger Sizes Shipped on Boards.

NOTE: Saws 40 inches and Over are Filed and Set Ready for Use. **No Extra Charge for Saws One Gauge Thicker than Listed;** Saws 38 inches and Under Beveled One Gauge Without Extra Charge; Saws 40 inches and Over, Beveled Two Gauges Without Extra Charge; Saws 48 inches and Larger made Thinner than 10 Gauge, are Not Warranted, and 10% is Added for Each Gauge Thinner than 10 Gauge.

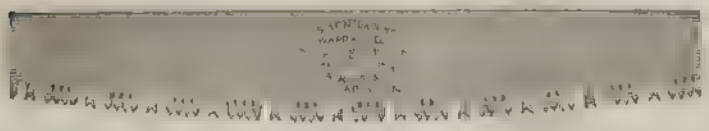
The Speed of a Circular Saw is a Most Important Thing to Watch. If Speed is too High it Cannot do Good Work, It Generates Heat and the Centrifugal Force Causes it to Stretch and Become Limber and Not Cut Straight.

Items Marked † Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory

CROSS CUT SAWS

E. C. ATKINS & CO.

Made of High Grade Crucible Steel, Evenly Tempered, Carefully Ground, Sharpened and Set; Polished and Etched; Segment Grinding Consists in Grinding Away the Central Portion of the Plate, Extending from the Back to Within about Two Inches of the Cutting Edge, Leaving the Saw Strong at the Ends and Allowing for Wear on the Tooth Side Without Making the Saw Thinner in the Center than at the Ends.

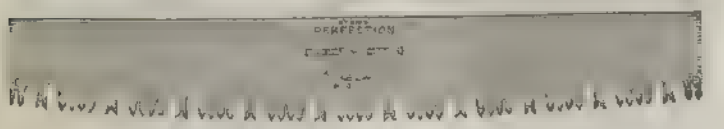


No. 5
PERFECTION LANCE TOOTH, PERFORATED

Made in Silver Steel Only: 14 Gauge at Cutting Edge; 16 Gauge at Ends on Back; 20 Gauge at Center of Back Edge.

Length, Feet	5½	6	6½	7
Width at Center, inches	7	7⅛	7⅛	8
Weight Each, lbs.	5	7	7⅛	8
Each, Without Handles	$10 80	12.40	14 50	15 80

Loose



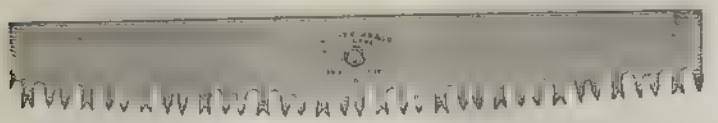
No. 4
PERFECTION, No. 4 BLADE; COTTON WOOD PATTERN, LANCE TOOTH, PERFORATED

Narrow Width, for Cutting Cottonwood and Other Soft Woods.

Silver Steel; 14 Gauge at Cutting Edge, 16 Gauge at Ends on Back, 20 Gauge at Center of Back Edge.

Length, Feet	6	6½	7
Width at Center, inches	6	6⅛	6⅛
Weight Each, lbs.	6	6½	7
Each, without Handles	$12.40	14.50	15.80

Loose

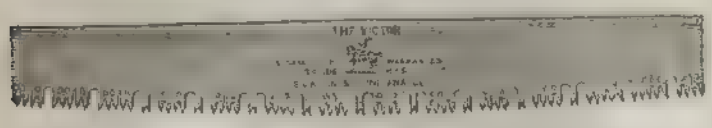


No. 3
PEERLESS

Silver Steel; Thin Back Narrow Blade, 14 Gauge at Cutting Edge, 16 Gauge at Ends on Back, 20 Gauge at Center of Back Edge.

Length, Feet	6	6½	7
Width at Center, inches	6	6⅛	6⅛
Weight Each, lbs.	6	7	7⅛
Each without Handles	$12 40	14.50	15.80

Loose



No. 225
VICTOR, LANCE TOOTH, PERFORATED

High Grade, Oil Tempered Special Steel; Properly Ground and Set **14 Gauge at Tooth Edge, 18 Gauge at Back Edge.** This Saw is Much Liked and Largely Used in the Northwestern Country.

Length, Feet	5	5½	6	6½	7
Width at Center, inches	5	6¼	6¾	6¾	6½
Weight Each, lbs.	4¾	5¼	7	7½	6½
Each, without Handles.	$8.80	9 69	10 50	11 40	12 30

Loose

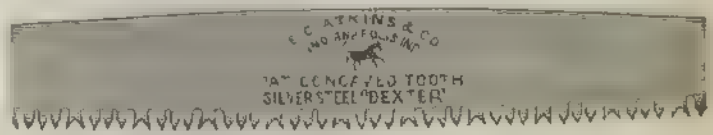
All Above Wood Stripped on Cutting Edge

NOTE—The following Numbers of Saws can be Furnished Toothed to the End from Factory only, at same Prices as Regular Stock: Nos. 5, 4 and 3.

CROSS CUT SAWS

E. C. ATKINS & CO.

Made of High Grade Crucible Steel, Evenly Tempered, Carefully Ground, Sharpened and Set; Polished and Etched; Segment Grinding Consists in Grinding Away the Central Portion of the Plate, Extending from the Back to Within About Two Inches of the Cutting Edge, Leaving the Saw Strong at the Ends and Allowing for Wear on the Tooth Side Without Making the Saw Thinner in the Center Than at the Ends.



DEXTER TOOTH

Thin Back

No. 219—Special Steel, 14x18 Gauge

Length, Feet	5½	6	6½	7
Width at Center, inches	6½	7	7⅜	8
Weight Each, lbs.	6	7	8½	10
Each, Without Handles	$9.00	9.80	10 60	11.40

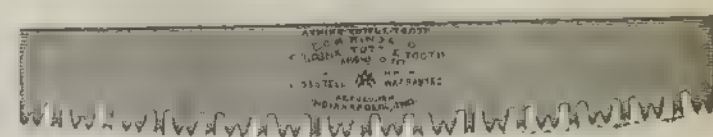
No. 220—Special Steel, 14x18 Gauge

Length, Feet	6	6½	7
Width at Center, in.	7	7⅜	8
Weight Each, lbs	7	8½	10
Each, Without Handles	$9 80	10 60	11 40

No. 20—Silver Steel, 14x19 Gauge

Length, Feet	6	6½	7
Width at Center, inches	7	7¾	8
Weight Each, lbs	7	8½	10
Each, Without Handles	$12.40	14.50	15.80

Loose



TUTTLE TOOTH

Thin Back

No. 330—Special Steel, 14x16 Gauge

Length, Feet	5½	6	6½	7
Width at Center, inches	7	7⅛	7⅛	8
Weight Each, About, lbs.	5½	7	8	10
Each, without Handles	$6 50	7.10	7.70	8.30

No. 331—Special Steel, 14x18 Gauge

Length, Feet	5	5½	6	6½	7
Width, Center, inches	6⅞	7	7⅛	7⅜	8
Weight Each, lbs.	5	5½	7	8	10
Each, without Handles	$6 90	7.60	8.30	9.00	9.70

No. 332—Special Steel, 14x19 Gauge

Length, Feet	5½	6	6½	7
Width, Center, inches	7	7⅛	7⅜	8
Weight each, lbs.	5½	7	8	10
Each, without Handles	$8 20	8.90	9.60	10.40

Loose

All Above Wood Stripped on Cutting Edge

NOTE—The following Numbers of Saws can be Furnished Toothed to the End from Factory only, at same Prices as Regular Stock; No. 219, 220 and 20.

TRADE MARK REGISTERED DE IN THE U. S. PAT. OFFICE.

CROSS-CUT SAWS

E. C. ATKINS & CO.

No. 222 DIAMOND TOOTH

Special Steel, Thin Back, 14x18 Gauge

Length, Feet	5½	6	6½
Width at Center, inches	6¼	7	7¾
Weight each, about, lbs.	6½	7	8½
Each, without Handles	$8 20	8.90	9.60

Loose

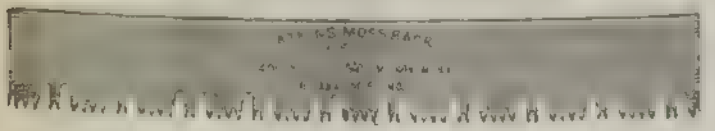
No. 223 LONE STAR DIAMOND TOOTH

Special Cast Steel, Thin Back, 14x18 Gauge

Length, Feet	5½	6	6½	7
Width at Center, inches	5⅞	5⅞	5⅞	6
Weight Each, lbs.	4½	5½	6	6½
Each, without Handles	$8.20	8.90	9.60	10 40

Loose

NOTE—Nos. 222 and 223 Saws can be furnished Toothed to the ends by shipping direct from Factory at same prices as regular stock.



MOSS BACK (Illustration shows Lance Tooth, Perforated)

Segment Ground; 14 Gauge at Tooth Edge, 18 Gauge at Back Edge

Embodying all the Improvements in Cross-cut Saws; Practical Uniformity of Thickness of the Toothed Edge; Thin Back; Hollow Back, Stiff Ends; Hand Brought Down to Line of Cut; Perforated Blade; Diamond Tooth and Raker, Segment Ground, High Grade of Steel; Hard and Tough Temper; Perfection in Manufacture and Finish;

✣No. 276—Special Steel, Dexter Concave Tooth (Not Perforated)

Length, Feet	4	4½	5
Width at Center, in.	5	5¼	5½
Weight Each, lbs.	3½	4	4½
Each, without Handles.	$7.65	8.90	9.90

Length, Feet	5½	6	6½
Width at Center, inches	5¾	6¼	6¾
Weight Each, lbs.	5	6	7½
Each, without Handles.	$10.90	11.90	12.90

Length, Feet	7	7½	8
Width at Center, inches	6¾	7	7¼
Weight Each, lbs.	8½	10	11
Each, without Handles.	$13 85	14.85	15.85

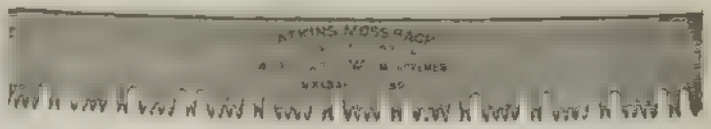
Loose

All Above Wood Stripped on Cutting Edge

IF YOU WISH TO GIVE US ANY SPECIAL INSTRUCTIONS IN REGARD TO THE HANDLING OF YOUR MAIL ORDER, PLEASE ADVISE US AS IT IS OUR DESIRE TO HANDLE THEM JUST THE WAY THAT YOU LIKE FOR US TO DO SO

CROSS-CUT SAWS

E. C. ATKINS & CO.



MOSS BACK (Illustration shows Lance Tooth, Perforated)

Segment Ground; 14 Gauge at Tooth Edge, 18 Gauge at Back Edge

Embodying all the Improvements in Cross-cut Saws; Practical Uniformity of Thickness of the Toothed Edge; Thin Back; Hollow Back, Stiff Ends; Hand Brought Down to Line of Cut; Perforated Blade; Diamond Tooth and Raker, Segment Ground, High Grade of Steel; Hard and Tough Temper; Perfection in Manufacture and Finish;

✣No. 278—Special Steel, Lance Tooth, Perforated

Length, Feet	4	4½	5	5½	6
Width at Center, in.	5	5¼	5½	5¾	6¼
Weight Each, lbs.	3½	4	4½	5	6
Each, without Handles.	$6 85	7.80	8.65	9.35	10.40

Length, Feet	6½	7	7½	8
Width at Center, inches	6½	6¾	7	7¼
Weight Each, lbs.	7½	8½	10	11
Each, without Handles	$11 25	12 15	13.00	13.90

✣No. 273—Special Steel, Tuttle Tooth, Perforated

Length, Feet	4	4½	5	5½	6
Width at Center, in.	5	5¼	5½	5¾	6¼
Weight Each, lbs.	3½	4	4½	5	6
Each, without Handles.	$6.85	7.80	8.65	9 35	10.40

Length, Feet	6½	7	7½	8
Width at Center, inches	6½	6¾	7	7¼
Weight Each, lbs	7½	8½	10	11
Each, without Handles	$11 25	12.15	13 00	13.90

✣No. 277—Special Steel, Lance Tooth (Not Perforated)

Length, Feet	4	4½	5	5½	6
Width at Center, in.	5	5¼	5½	5¾	6¼
Weight Each, lbs.	3½	4	4½	5	6
Each, without Handles.	$6 55	7 35	8.20	9.00	9.80

Length, Feet	6½	7	7½	8
Width at Center, inches	6½	6¾	7	7¼
Weight Each, lbs.	7½	8½	10	11
Each, without Handles.	$10 60	11.45	12.25	13.05

✣No. 272—Special Steel, Tuttle Tooth (Not Perforated)

Length, Feet	4	4½	5	5½	6
Width at Center, in.	5	5¼	5½	5¾	6¼
Weight Each, lbs.	3½	4	4½	5	6
Each, without Handles.	$6 55	7 35	8.20	9.00	9.80

Length, Feet	6½	7	7½	8
Width at Center, inches	6½	6¾	7	7¼
Weight Each, lbs.	7½	8½	10	11
Each, without Handles	$10 60	11.45	12.25	13.05

Loose

All Above Wood Stripped on Cutting Edge

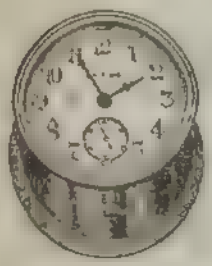
Items Marked ✣ Not Carried in Stock, Can Only be Furnished by Shipping Direct from Factory, F. O. B., Indianapolis, Ind.

AUTOMOBILE CLOCKS

SHAPLEIGH HARDWARE CO.

*ON TIME

These Clocks are Made of the Best Grade of Materials and are Very Handsome in Appearance and Workmanship. All Strongly and Durably Built Especially to Withstand the Hard Usage and Vibration of Automobile Travel; Easily Attached to Dash by Three Wood Screws, and Contain Very High Grade Thoroughly Tested Movements.



For Use on Straight Dash Board

Fine 30 Hour Movement, with Stem Hand Rim Wind and Set; Cases Finished in Nickel and Black Enamel with Nickel Rim; 2½ inch White Porcelain Dial; Height, 3½ inches, Width, 3 inches; Heavy Plate Glass Crystal; Weight Each, 13 oz.

Each

No. 3BN—Black Enamel with Nickel Rim $4 50
One in a Box

Eight Day Movement with Convenient Outside Wind and Set; Case Finished in Black Enamel with Nickel Rim; 2½ inch White Porcelain Dial with Black Figures and Hand; Height, 3½ inches; Width, 3 inches; Heavy Plate Glass Crystal; Weight Each, 20 ozs.

Each

No. 4BN—For Cowl Board; Black Enamel with Nickel Rim..... $7 50
One in a Box

These Clocks are Dust and Moisture Proof; Vibration Does Not Affect Their Time-Keeping Quality; Weight Each, 15 ozs.

Each

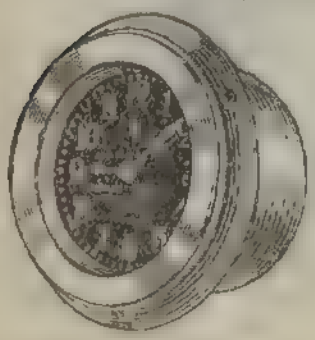
No. 6N—30 Hour Movement; Otherwise Same as No. 5N; Nickel Plated Case.. $5 50
One in a Box

The Same Eight Day Movement as Used in Clocks as Used in the No. 4BN. Furnished in Nickel Plated Case; 4 inches Wide, 3 inches Deep, 2½ inch Dial with Second Hand; Heavy Plate Glass Crystal; Weight Each, 15 ozs.

Each

No. 5N—For Dash Board; Nickel Plated Case $7 50
One in a Box

PHINNEY-WALKER



Eight Day Movement, Rim Wind and Set. All Nickel Plated Case. 2¼ inch Porcelain Dial, with Second-Hand; Height, 3¾ inches; Width, 3¾ inches; Heavy Plate Glass Crystal.

No. MANHATTAN—Weight Each, 2 lbs..... $18 00
One in a Box

AUTOMOBILE CLOCKS

PHINNEY-WALKER

Eight Day Movement, Rim Wind and Set; Full Nickel Plated Case, 2½ inch Black Porcelain Dial with Second Hand; Width, 3½ inches; Height, 3½ inches; Heavy Plate Glass Crystal.

Each

No. BROADWAY—Weight Each, 1¼ lbs. $17 20
One in a Box

Eight Day Movement; Rim Wind and Set; Black Enamel Case; 2½ inch Black Dial with White Figures and Second Hand; Width, 3½ inches; Height, 3½ inches; Heavy Plate Glass Crystal.

Each

No. DETROIT—Weight Each, 1¾ lbs..... $17 20
One in a Box

Eight Day Movement, Rim Wind; Full Black Enameled Case; 2½ inch White Dial with Black Figures and Second Hand; Height, 3½ inches; Width, 3½ inches; Heavy Plate Glass Crystal.

Each

No. DENVER—Weight Each, 1¼ lbs..... $11 00
One in a Box

30 Hour Movement, Stem Wind and Set, Black Enameled Case; 2¼ inch White Dial with Black Figures and Second Hand, Height, 3 inches; Width, 3 inches; Beveled Crystal.

Each

No. FRISCO—Weight Each, ¾ lbs. $8 00
One in a Box

Assortment Consists of One Each, Detroit, Denver and Frisco Clock, as Described Above, in Metal Counter Display.

Per Assortment

No. PW—Weight per Assortment, 4 lbs. $36 60
One Assortment in a Carton

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE

MANTEL CLOCKS

SESSIONS

10¾ inches High; 19 inches Long; 8 Day Movement; Cathedral Gong; Half Hour Strike on Cup Bell; Mahogany Case; Rich Finish, Hand Carved Scroll, 6 inch Porcelain Dial; Oval Glass.

Each

No. TRAYMORE—Weight Each, 13 lbs **$30 00**

One in a Box

10¾ inches High, 19 inches Long; 8 Day Movement; Cathedral Gong Half Hour Strike on Cup Bell; Fumed Oak or Mahogany Case; Rich Finish Hand Carved Scroll; 6 inches Porcelain Dial. Oval Glass.

Each

No. TAMBOUR—Weight Each, 13 lbs **$30.00**

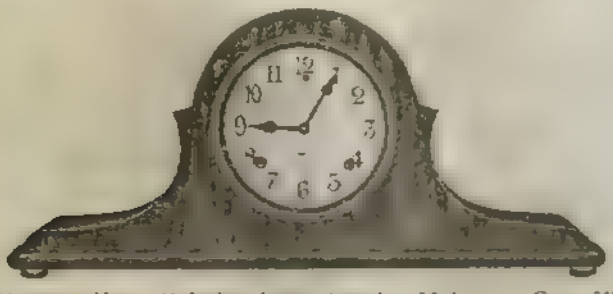
One in a Box

9½ inches High; 21½ inches Long. Genuine Mahogany Case, Highly Polished; 8 Day Movement; Each Clock Fitted with Hour and Half Hour Chimes; 6½ inch Porcelain Dial; Convex Glass.

Each

No. WINDSOR Weight Each 12½ lbs **$20 00**

One in a Box



10 inches High; 21 inches Long. Genuine Mahogany Case, Highly Polished; 8 Day Movement; Each Clock Fitted with Hour and Half Hour Chimes. 6½ inch Porcelain Dial; Convex Glass.

Each

No. WENDELL—Weight Each, 12½ lbs..... **$27.00**

One in a Box

9½ inches High; 21½ inches Long; 8 Day Movement, Cathedral Gong; Half Hour Strike on Cup Bell, Hand Polished, Mahogany Finished Case; 6½ inch Porcelain Dial; Brass Sash; Wood Feet; Oval Glass.

Each

No. WEBSTER—Weight Each, 16 lbs **$21 00**

One in a Box

11½ inches High, 18½ inches Long; 8 Day Movement; Cathedral Gong; Half Hour Strike on Cup Bell, Hand Polished Mahogany Finished Case; 6 inch Porcelain Dial; Arabic Figures.

Each

No. PRESCOTT—Weight Each, 15 lbs **$20 00**

One in a Box

12¼ inches High, 9 inches Long; 8 Day Movement; Half Hour Cathedral Gong Strike; 6 inch Porcelain Dial, Convex Glass; Hand Carved, Solid Mahogany or Fumed Oak Case.

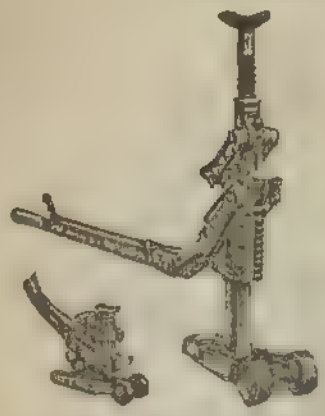
Each

No. 1608—Weight Each, 10 lbs..... **$20 00**

One in a Box

AUTOMOBILE JACKS

EXCEL



The Excel Jack is Made to Stand up Under the Continuous Hard Knocks of the Garage and Service Station, and to Meet the Demands for a Powerful, Substantially Built, Quick-Acting Device Capable of Doing Heavy Work Mechanically and Well. The Method Used in the Excel Jack, Relief [illegible] Jacks which are to Meet [illegible] Eye to Space [illegible] Lifting Jacks in which [illegible] Except for Large [illegible] Is the Way [illegible] Most [illegible] Handling of Heavy Work [illegible] Jack Can Even Be a [illegible] gn Time, Labor and [illegible] age of Small Jacks.

Made of High Grade, Semi-steel Castings—Drop Forgings where Necessary—with All Working Parts Case Hardened, it Will Last for Years Under the Most Severe Conditions.

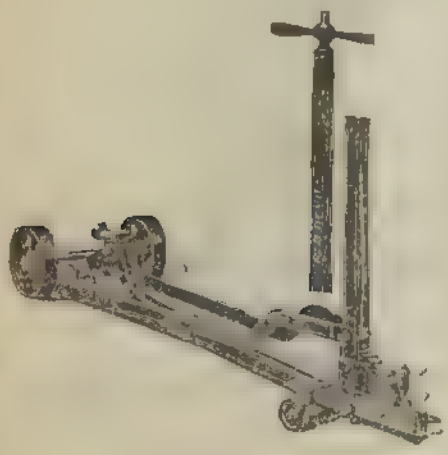
Length of Lifting Handle 50 inches, Wide Heavy Base; Fitted with Rollers for Easy Handling. One Downward Motion of the Handle Raises the Car Instantly; Can Be Adjusted to any Part of Frame or Chassis; Capacity for Cars Weighing up to 8000 lbs.

Each

No. EXCEL Weight 48 lbs $50.00

One in a Box

RED DEVIL



Crucible Steel Construction. Very Simple and Easy to Operate. No Stooping Required to Lift the Heaviest Car.

Required in Every Garage. Any Car can be Turned within its Own Length in a very Few Minutes.

Each

No. RD—Length of Handle, 4 feet 3 inches; Diameter of Wheels, 8¼ inches. Size of Base, 18x52 inches; Height Raised, 17 inches; Height Lowered, 8¼ inches; Weight Each, 120 lbs.... $66.00

One in a Bundle

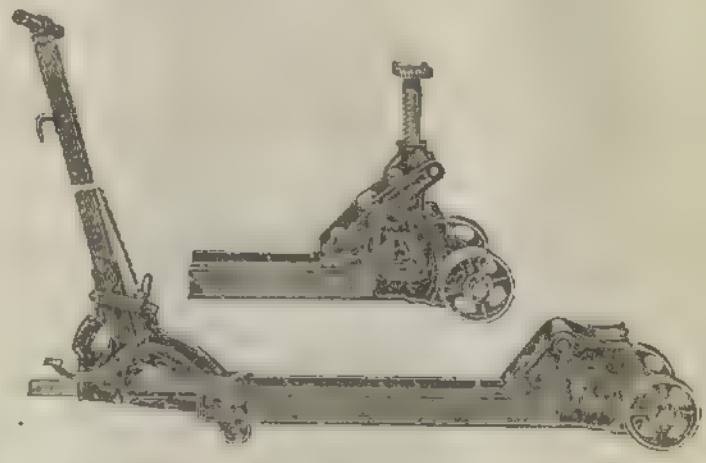
AUTOMOBILE JACKS

WALKER ROLL-A-CAR JACK

Indispensable for Modern Crowded Garages; All Parts Made of Highest Grade Materials [illegible] Steel Wheels, Raising Large Wheels off Floor, Allowing It to be Steered in any Direction.

Raising and Lowering Jack or Locking Handle is all Controlled by Small Lever at Top of Handle. A Foot Pedal is Provided to Quickly Raise the Rack Bar to Proper Height; Same Pedal Drops Rack After Jack is Removed.

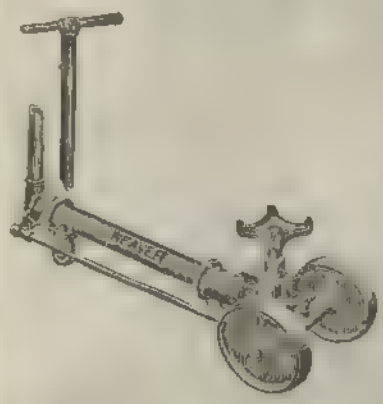
After Car is Raised the Handle Can be Placed in Upright Position without Lowering the Car.



Each

No. W725—Capacity 7500 Lbs.; Length 50 inches; Lowest Height 5 inches; Height Raised 18 inches; Weight 120 lbs $80.00

Loose



WEAVER

For Quick Action in Lifting or Moving Cars or Trucks in the Garage, Show Room, Service Station, Tire Shop, [illegible] Strong Compact Foot Operated, Quick Action Lifting and Lowering Jack.

The Short Construction of this Jack is One of its Greatest Advantages. The Length of the Frame and Wheels Over-all is only Forty inches, and this Enables it to be Easily and Conveniently Manipulated in Cramped Quarters.

Wheels Pivot and are Guided and Controlled by Handle; Enormous Leverage, Which makes it Possible for One man to Lift Five ThousandPounds with Perfect Ease. Equipped with a very Secure and Safe Ratchet Lift, with Ample Range So that any Car can be Lifted Sufficiently High in One or Two Strokes of the Handle.

The Lifting Standard is Composed of Two Sections, One Telescoping within the Other. Giving Extremely High Range of Lift, the Maximum Height Being Nineteen inches, While the Minimum is Only Nine Inches. A Release Latch on the Handle Provides for Lowering the Standard Quickly to the Minimum Height.

The Handle is So Designed, that the Weight of the Load will not Throw the Handle Violently against the Car.

Light Tension Balance Spring Draws the Handle into a Perpendicular Position When Released, Holding Handle Properly Parallel to the Floor, Although the Handle is Free and Can be Held in Any Desired Position when the Load is not being Lifted or Lowered.

Extremely Heavy and Well Constructed. The Lifting Mechanism is of High Grade Hardened Steel. Wheels are Mounted on Roller Bearings and the Front Caster Equipped with a Full set of Ball Bearings.

Each

No. WNW—Capacity 5,000 Lbs.; Weight 100 lbs..... $85.00

One in a Box

AUTOMOBILE JACKS

REES

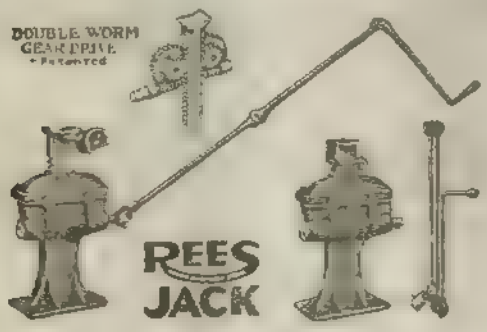
These Double Worm Gear Drive Jacks Mark a Significant Advance in Jack Design. Authorities and Engineers Agree that this Method of Power Application is Most Efficient. Reduced to its Simplest Terms there are Only Four Moving Parts, Which are All Strong and of Rugged Proportion. This Making it a Powerful, Speedy and Safe Jack.

1 TON

For Passenger Cars; All Steel Case; Operates with Folding Handle.

	Each
No. RO—With Folding Handle. Capacity, 1 ton; Height, 9¾ inches; Height, with Cap Raised, 11 inches; Lift, 6 inches. Weight Each, 9½ lbs.	$8 30 5 50

One in a Carton; Twelve in a Case



2 TON

For Heavy Passenger Cars and Up to One Ton Commercial Service Operated by Extended Handle with Universal Joints

	Each
No. RJC—With Folding Handle. Capacity, 2 tons; Height, 10 inches; Height, with Cap Raised, 12 inches; Lift, 6 inches. Weight Each, 13 lbs	$12 80 8 50

One in a Carton, Six in a Case

6 TON

For Heavy Trucks

	Each
No. R3A—With Lever Bar; Capacity, 6 tons; Height, 12 inches; Lift, 6 inches; Weight, 31 lbs.	$24 80 16.50

One in a Carton, Six in a Case

10 TON

For Extra Heavy Trucks and Service Stations

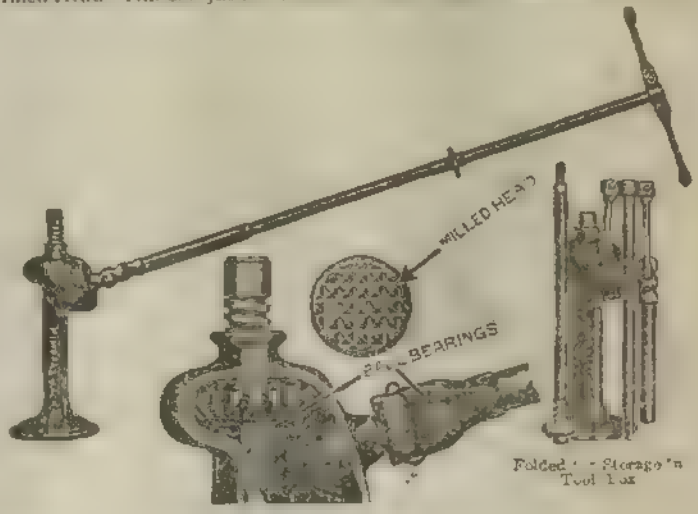
	Each
✣**No. R31A**—With Lever Bar; Capacity, 10 tons; Height, 13¾ inches; Lift, 9 inches. Weight Each, 43 lbs.	$52 50 35 00

One in a Carton, Three in a Case

AUTOMOBILE JACKS

K MBALL

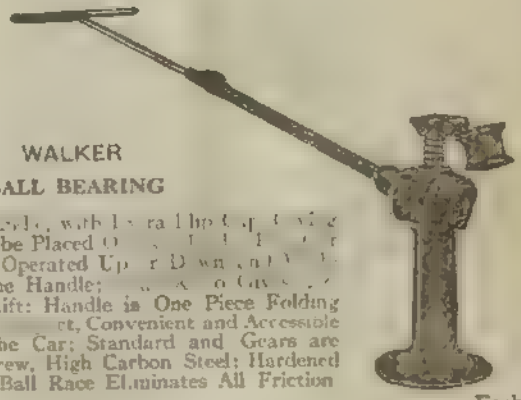
Ball Bearing Throughout; Hardened Gears, Packed in Heavy Grease; Long Sectional Folding Handle; Permits Storage in Tool Box; Operates by Turning Lever Left or Right; Made of Drop Forged Steel; Milled Head. Kimball Jacks Have Stood Up Under a Pressure of 6000 lbs.



BALL BEARING

Nos.	K1	K3
Actual Capacity	1 ton	3 tons
Weight Each, lbs.	9	40
Each	$9 00	$9 00

Loose



WALKER

BALL BEARING

Turning Type Handle, with Extra Hub Cap, Having Two Handles, Can be Placed On Either Front or Rear Axle of Car, Operated Up or Down and Pushed or Drawn, All with the Handle; Has Six Gears; 2 Inches Lift; Handle is One Piece Folding Type; This Jack is Compact, Convenient and Accessible to Any Part of the Car; Standard and Gears are Malleable Iron; Screw, High Carbon Steel; Hardened and Ground Steel Ball Race Eliminates All Friction

	Each
No. B500—Capacity 1 ton; Height, 9 inches; Cap, 1½ inch; Raises 5 inches; 30 inch Handle; Weight Each, 9 lbs.	$6 00

One in a Carton

HOVEY

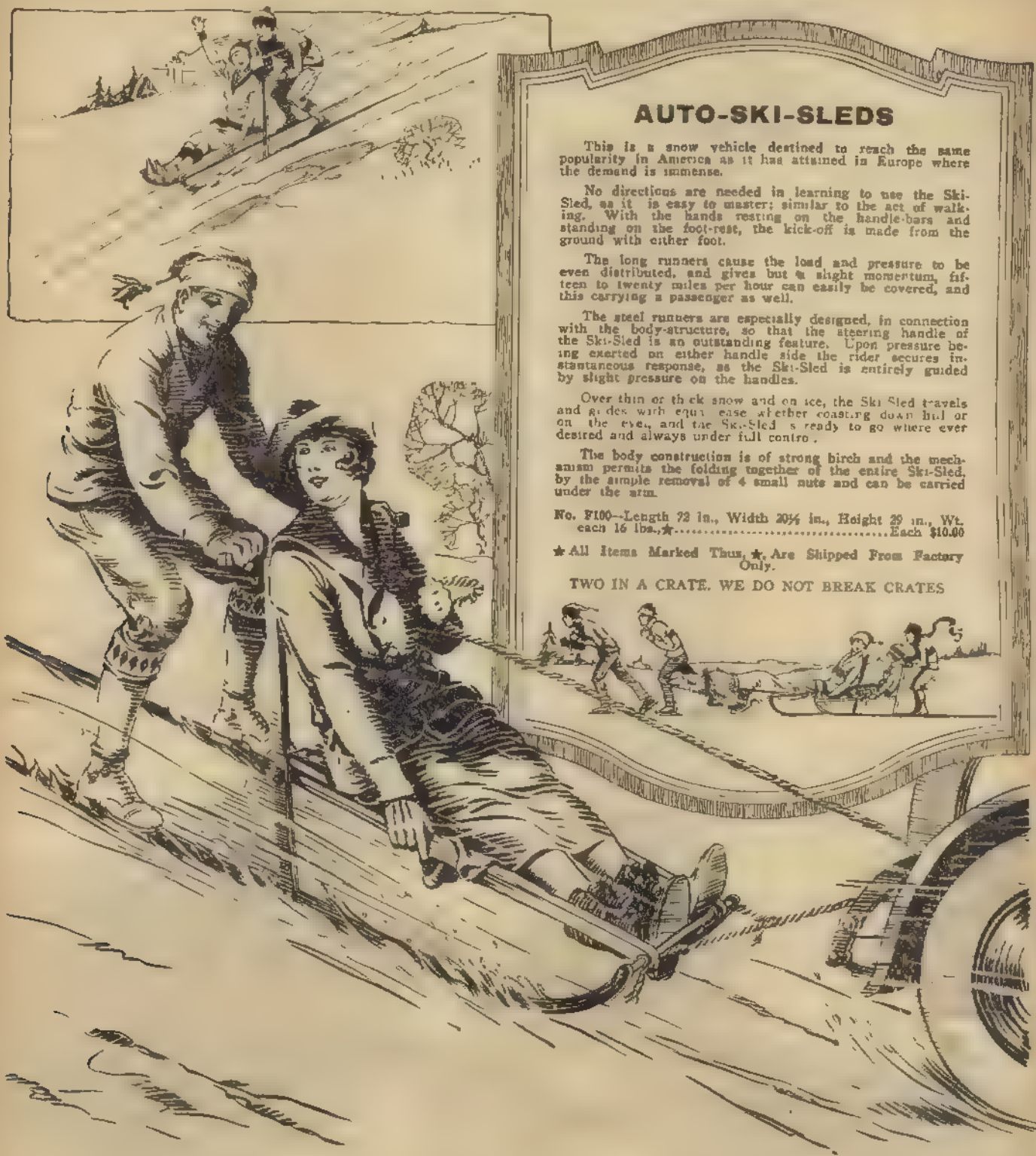
Heavy Construction and Quick Action; One Movement of Lever and Car is Raised. To Operate, Roll Jack Under Car on the Easy Running Wheels, Raise Lifting Rack to Approximate Height of Axle with Toe of Foot, then Lower Handle Once and the Work is Done.

Solid Steel, with Malleable Iron Wheels. Malleable Iron Two-Section Handle, 4 feet Long, Gravity Lock.

Will Pick Up Load 3 inches from Floor and Any Other Height Up to 18 inches.

	Each
No. H1—For Medium Weight Cars. 4 inch Wheels; 48 inch Handle, Weight Each, 18 lbs.	$16 00

Items Marked ✣ Not Carried in Stock, Can Only be Furnished by Shipping Direct from Factory



AUTO-SKI-SLEDS

This is a snow vehicle destined to reach the same popularity in America as it has attained in Europe where the demand is immense.

No directions are needed in learning to use the Ski-Sled, as it is easy to master; similar to the act of walking. With the hands resting on the handle-bars and standing on the foot-rest, the kick-off is made from the ground with either foot.

The long runners cause the load and pressure to be even distributed, and gives but a slight momentum, fifteen to twenty miles per hour can easily be covered, and this carrying a passenger as well.

The steel runners are especially designed, in connection with the body-structure, so that the steering handle of the Ski-Sled is an outstanding feature. Upon pressure being exerted on either handle side the rider secures instantaneous response, as the Ski-Sled is entirely guided by slight pressure on the handles.

Over thin or thick snow and on ice, the Ski Sled travels and glides with equal ease whether coasting down hill or on the level, and the Ski-Sled is ready to go where ever desired and always under full control.

The body construction is of strong birch and the mechanism permits the folding together of the entire Ski-Sled, by the simple removal of 4 small nuts and can be carried under the arm.

No. F100—Length 72 in., Width 20½ in., Height 29 in., Wt. each 16 lbs.,★.....Each $10.00

★All Items Marked Thus, ★, Are Shipped From Factory Only.

TWO IN A CRATE. WE DO NOT BREAK CRATES

STEEL COASTERS

Stamped steel knees, best crucible spring steel "T" shaped runners, height 6 in., so curved in front as to give maximum length of steering surface, gear and runners finished in red enamel, tops of rock elm, beautifully painted and decorated. All parts strongly riveted, fitted with steering bar convenient for hands or feet, enabling rider to guide easily without dragging feet.

Full Sixth Dozen Bundle.

Nos.	EE130	EE131	EE132
Size, in.	33x11	36x12	40x13
W't, doz., lbs.	90	102	114
Per dozen	$23 30	28.30	33 30

Less Than Sixth Dozen.

Nos.	E130	E131	E132
Per dozen	$23.30	28.30	33.30

ONE SIXTH DOZEN IN A BUNDLE

Stamped steel knees, best crucible spring steel "T" shaped runners, tops of rock elm handsomely finished, gears to runners painted red, all parts strongy riveted.

45x14x8¾ In., W't Per Dozen. 168 Lbs.

No. EE133—Full sixth dozen bundle,
per dozen $42.30

No. 133—Less than sixth dozen,
per dozen $42.30

ONE SIXTH DOZEN IN A BUNDLE

STEEL COASTERS

Stamped steel knees, best crucible spring steel "T" shaped runners, painted red, tops of rock elm, handsomly finished, all parts are strongly riveted.

Long, low, narrow, racy lines, built for speed.

56x13x6½ In., W't Per Doz. 168 Lbs.

No. EE136—Full sixth dozen bundle,
per dozen $55.30

No. E136—Less than sixth dozen,
per dozen $55.30

ONE SIXTH DOZEN IN A BUNDLE

BABY GUARDS

18x14½x7 In., Hardwood Varnished, W't Per Doz. 25 lbs.

No. EE520—Full dozen bundle,
per dozen $14.00

No. E520—Less than dozen,
per dozen $14.00

WHEELS AND AXLES FOR ICE WAGONS

WHEELS

12 IN.—Japanned steel, w't per doz. 33 lbs.,
per dozen $12.00

AXLES

18 In.—Japanned steel, w't per doz. 18 lbs.,
per dozen $6.00

FOUNTAIN PENS PENCIL & PEN SETS

THE A. A. WATERMAN & CO. "RESEVO" PEN—Lever Self-Filling

Made and guaranteed by A. A. Waterman & Co., Chicago. (Not connected with L. E. Waterman & Co., New York.)

This cut illustrates actual size of pen

These pens have black chased and polished turned barrel, safety screw cap, 14k gold pen and iridium point

Full Length, 5¼ In—1 in box

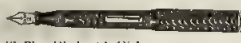
J5083 No. 2 pen, nickel pocket clip. Each, **$1.50**
J5084—No. 3 pen, gold filled pocket clip and lever. " **2.25**
J5085—No. 4 pen gold filled clip and lever " **2.50**

Full Length, Gold Filled Mounting, 5¼ In—Gold filled band, pocket clip and lever.

J5090—No. 2 pen, 1 in box Each, **$2.25**
J5091—No. 3 pen, 1 in box " **3.00**

Vest Pocket Size, 4½ In—

J5086—No. 2 pen, nickel pocket clip and lever, 1 in box Each, **$1.50**
J5087—No. 3 pen, gold filled pocket clip and lever, 1 in box " **2.25**



Short Length with Ring Attachment, 4¼ In—

J5088—No. 2 pen, gold filled lever and ring attachment, 1 in box Each, **$1.50**
J5089—No. 3 pen gold filled band, lever and ring attachment, 1 in box " **2.25**

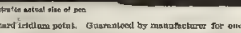
PARKER "LUCKY CURVE" FOUNTAIN PENS—Safety Self-Filler

PARKER LUCKY CURVE SAFETY-SEALED FOUNTAIN PENS

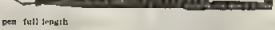
This cut illustrates actual size of pen

Length 5¼ in., jack knife safety seal self-filler, chased barrel with clip, non-leakable, 14k gold pen, hard iridium point. Guaranteed by manufacturer for one year

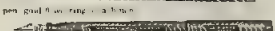
J5017—No. 2 pen full length Each, **$1.82**



J5020—No. 6, full length Each **$3.50**

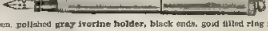


J5024—No. 3 pen gold filled ring Each, **$2.00**



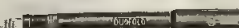
J5018—No. 3 pen full Each, **$2.15**

J5019—No. 4 pen, full length Each, **$2.82**



J5051—No. 4 pen, polished gray ivorine holder, black ends, gold filled ring attachment Each, **$2.82**

PARKER "DUOFOLD" FOUNTAIN PENS—Safety Self-Filler



Red Chinese lacquer effect barrel, black ends, screw cap, gold filled pocket clip, 14k gold pen, hard iridium point guaranteed for 25 years.

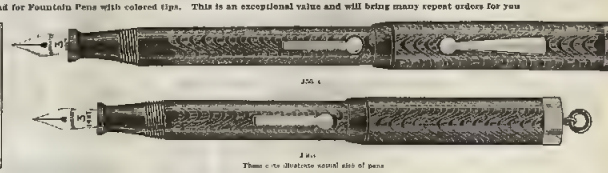
J5027—Full size, 5¼ in. Each, **$5.25**
Lots of 3 or more, " **4.67**
" 12 " " **4.20**

J5028—"Junior" 4½ in. Each, **3.75**
Lots of 3, " **3.34**
12 or more, " **3.00**

"RAINBO TOP" SELF-FILLING FOUNTAIN PEN ASSORTMENTS—On Display Card—Fully Guaranteed

There is a big demand for Fountain Pens with colored tips. This is an exceptional value and will bring many repeat orders for you

J5031



J5031

These cuts illustrate actual size of pens

3 styles, full length 5½ in. with pocket clip, short length 4½ in. with ring attachment. Large size 14k gold pen with iridium points, safety screw cap. Highly polished black chased barrel, assorted coral, blue, purple, green and white color tips on end of cap.

J5030—Assorted 6 long and 6 short on display card Doz **$8.50**

J5034 1 doz. long style only on display card Doz. **$8.50**

J5035 1 doz. short style only on display card Doz **$8.50**

SELF-FILLING FOUNTAIN PEN

On Display Card

J5052—5½ in. black chased barrel, turned (not molded), highly polished 14k gold pen, hard iridium points, lever self filler, safety screw cap, pocket clip, each in box 1 doz. on easel display card Doz **$9.00**

"PETER PAN" MINIATURE FOUNTAIN PEN ASSORTMENT

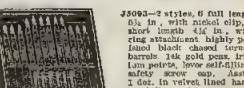
The latest novelty—guaranteed to write right

J5094 3¾ in., polished black barrel, screw cap, white ivory finish end, gold plated ring attachment, 14k solid gold pen iridium points, each in box with drop filler 1 doz. on colored easel display card. Doz. **$8.50**

GOLD FILLED COMBINATION PENCIL AND PEN SET

J5047 — 5¼ in. Fancy chased gold filled holder screw cap pencil. Lever self filling pen with 14k gold filled pen points, iridium pointed. Each set in individual plush lined box set **$2.95**

SELF-FILLING FOUNTAIN PEN ASSORTMENT



J5093—2 styles, 6 full length 5¼ in., with nickel clip, 6 short length 4½ in., with ring attachment, highly polished black chased turned barrels, 14k gold pens, iridium points, lever self-filling, safety screw cap. Asstd 1 doz. in velvet lined hard wood display tray. Doz. **$8.50**

"ECLIPSE" GOLD FILLED MOUNTED FOUNTAIN PEN

With black ribbon sautoir

J5095—3½ in., highly polished black turned barrel, 3 gold filled bands, safety screw cap, 14k gold pen, iridium point, lever self-filling, ring attachment, 16 in. black grosgrain ribbon sautoir with gold plated slide 1 on easel display card in box. Each, **$1.60**

A. C. SPARK PLUGS

A. C. TITAN—S. A. E. REGULAR

Regular Equipment on Apperson, Durant Six, Haynes to 1921, Marmon, Mitchell, Stearns-Knight and Templar Passenger Cars. Also Federal and Republic Trucks, and All Cars of the Delco Lighting System.

Each

No. SAET—⅞ inch A. L. A. M. Thread; Small S. A. E. Body..... $1 15

A. C. TITAN CARBON PROOF—S. A. E. REGULAR

Each

No. SAECP—⅞ inch A. L. A. M. Thread; Small S. A. E. Body.... $1 15
One in a Box; Ten in a Carton; Weight 3 lbs.

A. C. TITAN—S. A. E. LONG

Regular Equipment on Durant Four, Oakland 34-B, Oldsmobile Six, Saxon, Scripps-Booth Six, and All Nash Cars Up to 1920, and 6 Cylinder Models 1923.

Each

No. SAELT—⅞ inch A. L. A. M. Thread; Small S. A. E. Body, with ½ inch Extension $1 15

A. C. TITAN CARBON PROOF—S. A. E. LONG

Each

No. SAELCP—⅞ inch A. L. A. M. Thread; Small S. A. E. Body with ½ inch Extension..... $1 15
One in a Box; Ten in a Carton; Weight 3 lbs.

A. C. TITAN—NASH SPECIAL

Regular Equipment on Nash Cars All Models 1920, 21, 22 and 6 Cylinder Models 1923. Extra Long with Special Terminal.

Each

No. SAENT—⅞ inch A. L. A. M. Thread; Small S. A. E. Body, Special Terminal; Long Extension $1 15

A. C. TITAN CARBON PROOF—S. A. E. EXTRA LONG

Each

No. SAENCP—⅞ inch A. L. A. M. Thread; Small S. A. E. Body; Special Terminal; Long Extension $1 15
One in a Box; Ten in a Case; Weight 3 lbs.

A. C. TITAN—REGULAR METRIC

With Carbon Proof Porcelain

Regular Equipment on Essex and Hudson, 1922 Models. Can Also be Used on Duesenberg, Rolls-Royce and Wills-Sainte-Claire.

Each

No. 18MCP—Metric Thread..... $1.15
One in a Box; Ten in a Carton; Weight 3 lbs.

A. C. SPARK PLUG ASSORTMENTS

The A. C. Quick Seller Junior Assortment of Spark Plugs Come In An Attractive Counter Display Case that Will Help the Sale of Spark Plugs. This Assortment is a Wonderful Value, and a Money Maker. Contains 50 Assorted Spark Plugs.

This Assortment Can be Changed to Suit Customers Requirements, if Necessary.

Principal Cars Using These Types:

10—⅞ Regular..... ..Cadillac, Cleveland, Maxwell, Paige, Hupp, Dorit and Cole.
10—⅞ Long. . .....Buick, Chevrolet, Haynes, Kissell, Etc.
5—S. A. E. Long.....Durant Four, Oakland, Oldsmobile, Nash Six Special
5—S. A. E. Regular...Durant Six, Apperson, Marmon, Mitchell, Stearns-Knight and Cars of the Delco Lighting System
10—Dodge.....Dodge, G. M. C. Trucks, Hanson, Etc.
10—A. C. 1075.. For all Carbureted Carlson.

Per Assortment

No. ACJA—Display Case; Complete with 50 Assorted Spark Plugs $55.20
One in a Crate

A. C. QUICK SELLER

The A. C. Quick Seller Holds 140 A. C. Spark Plugs, Enabling You to Carry a Supply of Each of the 14 Best Selling Types and to Provide Instantly the Correct Plugs for Any Make of Motor Car, Truck, Tractor, Motorcycle, Motorboat or Stationary Engine.

By Keeping a Perpetual Inventory of Your Spark Plug Stock, the AC Quick Seller Prevents Loss of Sales. It Shows at a Glance When it is Time to Re-order Any Type of Plug.

In Brief, the AC Quick Seller is a Well Made, Attractively Finished Sales Clinch that You will be Proud to Have on Your Counter. It is so Designed that Every Plug is Visible and Instantly Accessible. That Enables You to Speed Up and Increase Your Spark Plug Sales. It May be Locked to Prevent Loss or Theft.

AC Quick Seller Will be Sent "No Charge" with an Order for 140 AC Spark Plugs.

One Only to a Dealer

A. C. TERMINALS FOR SPECIAL CARS

Terminal for Special Cars as per Illustration Will be Furnished Gratis upon Request When Ordered With An Equal Amount of A. C. Plugs.

A. C. SPARK PLUGS

SPECIAL FOR FORD CARS

Spring Terminal Clip Permits Wire to be Instantly Detached and Re-Connected While Motor is Running Facilities Testing Spark Plug and Coil. No Nut to be Unscrewed or Lost.

By Merely Unscrewing the Bushing Plug May Be Completely Disassembled. Only One Gasket is Used. Extra Large Body Porcelain to Withstand Hard Service.

Patented Carbon Proof Porcelain. Saw Tooth Edges Attain Sufficient Heat to Burn Oil Deposits Thus Offering Effective Resistance to Carbon

Large Electrode Will Last Indefinitely. Special Shape Forms Natural Drain, Preventing Oil Lodging in the Spark Gap.

	Each
No. 1075—½ inch U. S. Standard Pipe Thread..... One in a Box; Ten in a Carton; Weight [illegible] lbs.	$0 90

EXTRA PORCELAINS FOR No. 1075 SPARK PLUGS

	Each
No. 1075P—For No. 1075 Spark Plugs. . . . . One in a Carton; Twenty-Five in a Box, Weight, [illegible] lbs.	$0 45

A. C. TITAN—½ INCH LONG

Regular Equipment on Reo Cars. Recommended for Overland Up to 1914 and Winton Up to 1915.

	Each
No. 12LT—½ inch U. S. Standard Pipe Thread with ½ inch Extension	$1 15

A. C. TITAN CARBON PROOF—½ INCH LONG

	Each
No. 12LCP—½ inch U. S. Standard Pipe Thread with ½ inch Extension ..... One in a Box; Ten in a Carton; Weight 31 lbs.	$1 15

A. C. TITAN—⅞ INCH REGULAR

Regular Equipment on Buick Model 55 Cadillac, Chalmers, Cole, Dort Hudson (to 1915), Hupmobile, Jewett, LaFayette Liberty, Maxwell, National, Oldsmobile, 8, Paige, Star, and 203 Other Well Known Makes of Passenger Cars, Trucks and Tractors.

	Each
No. 78RT—⅞ inch A. L. A. M. Thread.....	$1 15

A. C. TITAN CARBON PROOF—⅞ INCH REGULAR

	Each
No. 78 RCP—⅞ inch A. L. A. M. Thread..... One in a Box; Ten in a Carton; Weight 3 lbs.	$1 15

KEEP YOUR STOCK OF AUTO ACCESSORIES UNBROKEN, AND THE TRADE OF THE GOOD MECHANICS WILL COME YOUR WAY.

THE SHAPLEIGH LINE EMBRACES ALL THE BEST SELLING AUTO ACCESSORIES.

IT IS DANGEROUS TO ADVERTISE A "COMPLETE" STOCK OF AUTO ACCESSORIES AND THEN RUN SHORT BECAUSE OF NEGLECT TO SEND A MAIL ORDER.

THE PRACTICAL MAN QUICKLY RECOGNIZES THE BENEFITS TO BE DERIVED FROM USING MAIL ORDERS

A. C. SPARK PLUGS

A. C. TITAN—⅞ INCH LONG

Regular Equipment on Buick, Chevrolet, Haynes Model 75, Kissel Kar, McLaughlin, Scripps-Booth.

	Each
No. 78LT—⅞ inch A. L. A. M. Thread with ½ inch Extension and Special Terminal	$1 15

A. C. TITAN CARBON PROOF—⅞ INCH LONG

	Each
No. 78LCP—⅞ inch A. L. A. M. Thread with ½ inch Extension and Special Terminal . . . . . One in a Box, Ten in a Carton; Weight 3 lbs.	$1.15

A. C. TITAN—⅞ INCH EXTRA LONG BODY

Designed Especially for Haynes Model 75, and Adopted as Regular Equipment on This Car. Can Also be Used on Chandler, White and Willys-Knight.

	Each
No. 78XLBT—⅞ inch Extra Long Body	$1.15

A. C. TITAN CARBON PROOF—⅞ INCH EXTRA LONG BODY

	Each
No. 78XLBCP—⅞ inch Extra Long Body . . . . . One in a Box, Ten in a Case; Weight 3 lbs.	$1.15

A. C. TITAN—DODGE SPECIAL

Regular Equipment on All Dodge Cars; Slightly Longer than ⅞ inch Regular Titan. Can Also be Used on Cunningham and Rickenbacker.

	Each
No. 78DT—⅞ inch A. L. A. M. Thread...	$1 15

A. C. TITAN CARBON PROOF—DODGE SPECIAL

	Each
No. 78DCP—⅞ inch A. L. A. M. Thread . . . . . One in a Box Ten in a Carton, Weight 3 lbs.	$1.15

POSTER ADVERTISING CO. INC.
Be proud of your kitchen
Babbitt's Cleanser
Cleans better-costs less
Save all Babbitt Coupons for premiums

A Poster that Sold Goods

The advertising of an article such as *Babbitt's Cleanser* lends itself particularly well to the Poster Medium. It is a product of excellent quality, packed well, labeled in an attractive manner, used daily in the home and sold at a fair price. Poster Advertising is the one advertising medium to keep such products constantly in the minds of the people.

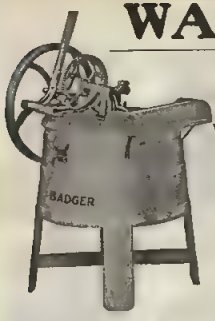
POSTER ADVERTISING CO., INC.

550 WEST 57th STREET, NEW YORK

Outdoor Advertising Everywhere

Chicago Cleveland Cincinnati St. Louis Pittsburgh Philadelphia
Providence Akron Richmond Atlanta Wilmington Milwaukee

WASHING MACHINES



"BADGER" DOLLY TYPE HAND WASHING MACHINE

W3725 — Large cypress tub, kiln dried, with lid of double thickness, sides and bottom corrugated, combination pump handle lever, position can be changed almost [illegible], large fly wheel which gives high speed and permits easy running. 1 in crate, 94 lbs. Each, **$12.95**

"BADGER" WATER POWER WASHING MACHINE

W3726 — Genuine Louisiana cypress tub, equipped with Cyclical Water Motor, sides and bottom of tub fully corrugated, no valves to get out of order. 1 in crate, 65 lbs. Each, **$15.75**

"SIPH-O" EJECTOR

Made to facilitate filling and emptying washing machines or emptying flooded cellars

W1350 — All metal parts nickel plated, standard connections, attachment for hot water faucet, equipped with 7 ft. heavy wall rubber hose, an absolute necessity for filling or emptying any kind of washing machine. 1 in box. Each, **$2.25**

Aladdin. IMPROVED MODEL "A" ELECTRIC WASHERS WITH WRINGERS

Capacity of tub, 6 sheets or the equivalent

Thousands of dealers who handle "Aladdin" Electric Washing Machines are not afraid to match them with any machine on the market.

The "Aladdin" is simple in construction, easy to operate and has the very latest improvements in electrical washing machine construction.

Body, all metal, double seamed, 1 piece cover with handle, painted with 3 coats of white enamel. **Cylinder**, white maple, smooth, revolves 6 times each reversal without splashing. **Wringer**, with safety release, swings and locks in 5 different positions, best quality 11 in. power electric rubber rolls. Washer and wringer may be operated at the same time or either one separately. **Motor**, ¼ horsepower, guaranteed for alternating current, 110 volts, 60 cycles, can furnish motor for direct current at a slight extra cost. Be sure to specify current, voltage and cycle wanted.

W3710 — Galvanized steel body, capacity 6 sheets. 1 in crate, 205 lbs. Each, **$89.00**

W3711 — Copper body, capacity 6 sheets. 1 in crate, 200 lbs. Each, **$105.00**

Currents and voltages other than 110 volts, 60 cycles, alternating current, furnished at a slight increase in cost.

FREE DEALER HELPS for merchants who sell the "Aladdin"—Y1323 and Y1345 Newspaper Electros, Y1326 Movie Slide and Y1327 six page folder imprinted with dealer's name. Order any or all of them by number.

"ALADDIN" MODEL "B" ELECTRIC WASHING MACHINES

Dolly Type

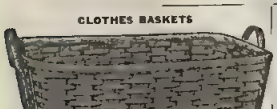
Dolly type, standard one-fifth H. P. motor, 110 volts, alternating or direct current, air and kiln dried Southern cypress tub, corrugated sides and bottom, brass drain faucet, double reinforced lid, geared to give 88 full ¾ turns per minute, ball-bearing casters, 10 ft. reinforced cord and separable attachment plug. In opening and closing the lid fly wheel is not displaced, machine cut gears with convenient lever for operating by hand if power should fail. 1 in crate, 140 lbs.

W3715 Alternating current
W3716 Direct current

Each **$35.00**

CLOTHES BASKETS

CLOTHES BASKETS



Splint maple, hardwood rim and standard, narrow splint maple filling, 3 double straps in and outside bottom.

W1846—15x26	¼ doz. in crate, 35 lbs	Doz		$8.50
W1847—10x28,	½ " " 33 "	"		7.15
W1848—18x30.	½ " " 38 "	"		7.75

WHOLE WILLOW CLOTHES BASKETS

Do not confuse with split willow baskets. These are genuine whole willow with reinforced top and extra strong bottom.

STAR VALUE

Extra heavy, bleached whole willow, no projecting ends, reinforced top, strong handles and bottom. Low prices for this quality

W1835—10x17x23,	½ doz. in bdl	Doz	$10.25
W1837—11x19x24,	½ " "	"	3.50
W1838—12x21x27	½ " "	"	16.50
W1839—13x23x30	½ " "	"	18.75
W1840—3 sizes, 1 each of 10x17x23 11x19x24 and 12x21x27 in bdl.		NET of 3	*2.89

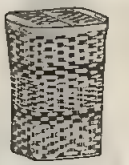
CLOTHES HAMPERS

Rock Elm Clothes Baskets

Double hardwood rim, wood bottom. Wonderful values in everyday sellers.

Very best rock elm, splint filling and standards, heavy board bottom

W3076 18 x26,	½ doz in bdl	Doz	$7.00
W3076 19x24	½ " "	"	8.50
W3077 21x31	½ " "	"	9.80
W3078 3 sizes, 1 each of 18 x26 19x28 and 21x30 in nest		NEST of 3	$4.35



Splint Maple, Square shape, narrow bands, natural color, hinged cover.

W1856—2 sizes, 16x16x24, 18x18x28	½ doz. in bdl		
	NEST of		$1.85
W1854—4 sizes 16x16x24 18x18x28 and 20x20x30 3 in nest. 20 lbs.			
	NEST of 6.		$2.75

Split Willow, round shape whole willow rim and ribs, heavy wood bottom attached cover 2 handles, very strong and durable. 1 in bdl

	Size	Wt	Each
W1851—24x11	4 lbs		$2.25
W1853—20x12,	5 "		2.85
W1855—22x13,	6 "		3.25

Split Willow Square shape whole willow rim and top, wood bottom, cane sea fork and hinges on right. 1 in bdl

	In. Top	In. Bot.	Wt	Each
W3054—24	16x27	9	8	$3.50
W3055—24	18x29	10		4.50
W3056	21x31	12		5.50

W3057 3 sizes, 1 each of 16x27 18x29 and 21x31. 3 in nest. 25 lbs. NEST of 3. **$12.95**

IRON BENCH PLANES

BAILEY ADJUSTABLE

The cutter is adjustable endwise by means of the adjusting wheel at the back of the frog.

It is also adjustablesidewise by lever located near the top and at the back of cutter.

The width of the mouth may be regulated and made wider or narrower as coarse or fine work may require. First remove the lever and cutter and loosen the two frog screws that fasten the frogs to the seat. With a screw driver turn the center adjusting screw (see cut) to the right to close the mouth and to the left to open it. When the frog is in the position desired lighten the frog screws and replace the cutter and lever.

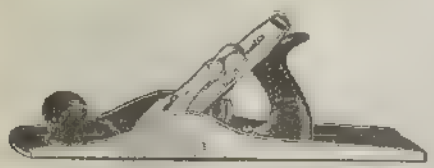
SMOOTH

Japanned Cast Iron Frame; Rosewood Handle and Knob; Finest Quality Tempered English Thin Steel Cutter, Ground and Honed ready for use.

Flat Bottom	Each
No. 1—Length 5½ inches; 1¾ inch Cutter; Weight Each 1¾ lbs.	$4 30
No. 2—Length 7 inches; 1⅝ inch Cutter; Weight Each 2¼ lbs.	5.50
No. 3—Length 8 inches; 1¾ inch Cutter; Weight Each 3⅛ lbs.	5.70
No. 4—Length 9 inches; 2 inch Cutter; Weight Each 3¾ lbs.	6 20
No. 4½—Length 10 inches; 2⅜ inch Cutter; Weight Each 4¼ lbs.	7 20

Corrugated Bottom	Each
No. 3C—Length 8 inches, 1⅞ inch Cutter, Weight Each 3⅞ lbs	$6 00
No. 4C—Length 9 inches; 2 inch Cutter; Weight Each 3¾ lbs.	6 60
No. 4½C—Length 10 inches; 2⅜ inch Cutter; Weight Each 4¾ lbs.	7 50

One in a Box



Japanned Cast Iron Frame; Rosewood Handle and Knob; Finest Quality Tempered English Thin Steel Cutter; Ground and Honed ready for use.

Jack—Flat Bottom	Each
No. 5—Length 14 inches; 2 inch Cutter; Weight Each 4¾ lbs.	$7.20
No. 5½—Length 15 inches; 2¼ inch Cutter; Weight Each 6¾ lbs.	8 10

Jack—Corrugated Bottom	Each
No. 5C—Length 14 inches; 2 inch Cutter; Weight Each 4¾ lbs.	$7.50
No. 5½C—Length 15 inches; 2¼ inch Cutter; Weight Each 6¾ lbs.	8.60

Fore—Flat Bottom	Each
No. 6—Length 18 inches; 2⅜ inch Cutter; Weight Each 7¾ lbs.	$9.40

Fore—Corrugated Bottom	Each
No. 6C—Length 18 inches; 2⅜ inch Cutter; Weight Each 7¾ lbs.	$9 70

Jointer—Flat Bottom	Each
No. 7—Length 22 inches; 2⅜ inch Cutter; Weight Each 8¼ lbs.	$10 70
No. 8—Length 24 inches; 2⅝ inch Cutter; Weight Each 9¾ lbs.	12 70

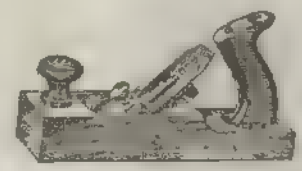
Jointer—Corrugated Bottom	Each
No. 7C—Length 22 inches; 2⅜ inch Cutter; Weight Each 8¼ lbs.	$11 00
No. 8C—Length 24 inches; 2⅝ inch Cutter; Weight Each 9¾ lbs.	12.20

One in a Box

WOOD BENCH PLANES

GAGE SELF-SETTING

Cutter Iron goes Back into the Plane in Exactly the same Position it was Before Being Removed; if Cutter has been Ground and Whetted, only a Slight turn of the Adjusting Screw and it is Ready for Work; Has All the Advantages of a Wood Plane without the Disadvantages of Wearing Large in the Throat; will not Cling or Chatter.



SMOOTH

Bottom, Knob and Handle Made of Best Grade Seasoned Wood; Ground and Polished Steel Cutter.

Beechwood

	Each
No. GB4—Length 10 inches; Width Iron 2 inches; Weight Each 2¾ lbs.	$6.00
No. GB4½—Length 10½ inches; Width Iron 2⅜ inches; Weight Each 3¼ lbs.	7.50

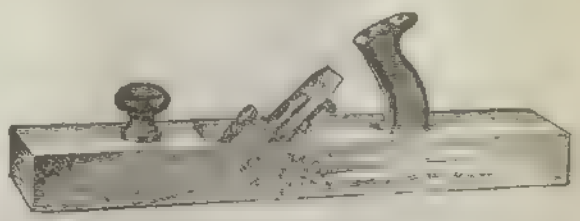
One in a Cardboard Box

JACK

Bottom, Knob and Handle Made of Best Grade Seasoned Wood; Ground and Polished Steel Cutter.

	Each
No. GB9—Beechwood; Length 14 inches; Width Iron 2 inches; Weight Each 3½ lbs.	$7.50

One in a Cardboard Box



Bottom, Knob and Handle Made of Best Grade Seasoned Beechwood; Ground and Polished Steel Cutter.

FORE

	Each
No. GB16—Beechwood; Length 18 inches; Width Iron 2⅜ inches; Weight Each 3 lbs.	$8.50

JOINTER

	Each
No. GB19—Length 24 inches; Width Iron 2⅜ inches; Weight Each 6 lbs.	$9 30
No. GB21—Length 24 inches; Width Iron 2⅝ inches; Weight Each 6¾ lbs.	10.00

One in a Cardboard Box

A Smooth Plane is for finishing or smoothing off flat surfaces. Where the uneven spots are of slight area, its short length will permit it to locate these irregularities, leaving the work with a smooth surface when finished.

A Jack Plane is used to true up the edges of a board in the rough and prepare it for the Fore or Jointer.

A Fore Plane is simply a short Jointer, and being lighter, is preferred by some workmen to the longer plane.

A Jointer is a finishing Plane for large surfaces and is invariably used to true up the edges of boards so that they can be closely fitted or joined together.

WOOD BENCH PLANES

BAILEY
ADJUSTABLE

The Frog is Held in Place by Two Machine Screws which Pass Through the Top Iron and Screw into Two Brass Lugs. These Lugs are Screwed and Securely Pinned into the Wood Bottom. This is Far Superior to Other Methods of Fastening, as it Holds Together Firmly the Wood Bottom, the Toe Iron which Strengthens the Wood Bottom, and the Frog.

SMOOTH

The Bottom, Handle and Knob are Made from Selected and Well Seasoned Beech. The Cutters are the Regular "Bailey" Type and are Adjustable Both Endwise and Sidewise.

Each

No. 24—Length 8 inches; 2 inch Cutter; Weight 2⅞ lbs **$5 50**
One in a Box

HANDLED—SMOOTH

The Bottom, Handle and Knob are Made from Selected and Well Seasoned Beech. Cutters are the Regular "Bailey" Type and are Adjustable Both Endwise and Sidewise.

Each

No. 35—Length 9 inches; 2 inch Cutter, Weight 3¼ lbs. **$6 00**
No. 36—Length 10 inches; 2⅜ inch Cutter; Weight 4 lbs. **6 60**
One in a Box

The Bottom, Handle and Knob are Made from Selected and Well Seasoned Beech. The Cutters are the Regular "Bailey" Type and are Adjustable Both Endwise and Sidewise.

JACK

Each

No. 26—Length 15 inches; 2 inch Cutter; Weight 3¾ lbs. . . . **$5 70**
No. 27½—Length 15 inches; 2¼ inch Cutter; Weight 4¾ lbs. . . . **6 20**

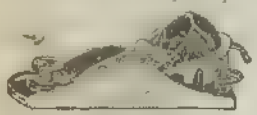
FORE

No. 28—Length 18 inches; 2⅜ inch Cutter; Weight 5½ lbs. **$7 00**
No. 31—Length 24 inches; 2⅜ inch Cutter, Weight 6½ lbs. **7 20**
One in a Paper Package

IRON BLOCK PLANES

BAILEY
ADJUSTABLE

All Numbers have the Most Improved Form of Adjustment, which Enables the User to Accurately Adjust the Cutter Either Endwise or Sidewise. The Cutter Rests on its Seat at an Angle of 20 Degrees as Against 45 Degrees in the Ordinary Bench Plane, and the Cutter Bevel is Made on the Upper Instead of on the Lower Side. All have Adjustable Throats which Permit of the Opening or Closing of the Mouth as Coarse or Fine Work may Require.



Length 6 inches; 1⅝ inch Cutter; Weight 1½ lbs.

Each

No. 9½—Japanned Trimmings **$3 30**
One in a Box

Length 7 inches; 1⅝ inch Cutter; Weight 1⅞ lbs.

Each

No. 15—Japanned Trimmings **$3 50**
One in a Box

Knuckle Joint; Nickel Plated

These Planes are now Fitted with a New and Patented Form of Lever or Cap, which Being Entirely of Steel, Makes it Practically Indestructible. This New Knuckle Joint Permits of Great Leverage, Consequently the Lever can be Placed in Position or Removed with Very Little Effort.

Each

No. 18—Length 6 inches; 1⅝ inch Cutter; Weight 1½ lbs. . . . **$4 50**
No. 19—Length 7 inches; 1⅝ inch Cutter; Weight 1⅞ lbs **4 00**
One in a Box

IRON BLOCK PLANES

STANLEY
ADJUSTABLE

LEVER ADJUSTMENT

For Light Work. The Cutter is Adjustable Endwise, the Form of Adjustment Being Known as the Lever Adjustment. The Small Boss Cast on the Front of the Plane Serves as a Convenient Finger Rest for the Operator. The Bottom is Ground True and the Sides Neatly Japanned.

Each

No. 103—Length 5½ inches; 1⅝ inch Cutter; Weight 1 lb. **$1 70**
One in a Box

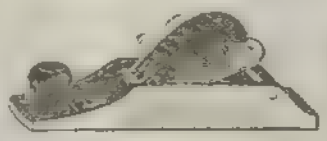
SCREW ADJUSTMENT

With Rosewood Knob on Front. In Many Ways Better Adapted for Average Use than Any of the Cheaper Block Planes Made. It is Ground on Both Bottom and Sides. The Cutter is Made of High Grade Steel, is Fastened by a Lever and Cam, and is Adjustable Endwise by a Screw Adjustment Operated from the Rear of the Plane.

Each

No. 220—Length 7½ inches; 1⅝ inch Cutter; Weight 1½ lbs. . . . **$2 50**
One in a Box

SPECIAL
DOUBLE END, NON-ADJUSTABLE



Rosewood Knob; Japanned Trimmings; Two Slots and Two Cutter Seats; The Center Seat and Slot is for Use of the Plane Block Plane Work, the Other Seat and Slot for Cutter when it is Desired to Work Same as a Bull Nose Plane.

Each

No. 130—Length 8 inches; 1⅝ inch Cutter; Weight 1⅝ lbs. **$3 50**
One in a Box

DOUBLE END, ADJUSTABLE

Rosewood Knob; Japanned Trimmings; Combination Block and Bull Nose Plane. It has Two Slots and a Movable Cutter Seat. Use Center Cutter Seat and Slot for Ordinary Block Plane Work. For Use as a Bull Nose Plane Remove the Cap and Cutter, Reverse the Cutter Seat by Adjusting Screw, Which Leaves Two Parallel Lines in Cut, Replace the Cap and Cutter in the New Position. Has the "Hand-y" Feature, and the Cutter is Adjustable Endwise.

Each

No. 131—Length 8 inches; 1⅝ inch Cutter; Weight 1½ lbs. **$4 00**
One in a Box

NON-ADJUSTABLE

For All Kinds of Ordinary Work Requiring the Use of a Block Plane These are Excellent Tools. The Cutters in all Numbers are of a High Grade Steel, and are as Carefully Tempered and Ground as are Those in the More Expensive Planes of this Class. This is a Very Handy Little Plane for Household Use and Many Mechanics Carry One in their Kits for Odds and Ends of Light Work. The Boss on the Front Acts as a Finger Rest. **The Bottom is Ground and the Sides Japanned.**

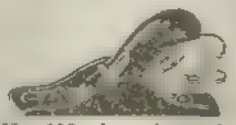
Each

No. 101—Length 3 inches; 1 inch Cutter; Weight ¾ lbs. **$0 65**
Six in a Package

With Iron Handle, Ground Bottom. Japanned sides. The Iron Handle Fits Nicely in the Palm of the Hand and Insures a Firm Grip.

Each

No. 100—Length 3½ inches; 1 inch Cutter; Weight ¾ lb. **$0 80**
One in a Package



Ground Bottom; Japanned Sides. Boss on Front Acts as a Finger Rest. This is a Light and Serviceable Plane for General All Around Work.

Each

No. 102—Length 6 inches; 1⅝ inch Cutter; Weight 1 lb. **$1 20**
One in a Package

Black Stained Applewood Knob. Both the Bottoms and Sides are Ground; Japanned Trimmings. The Most Popular of All Non-Adjustable Block Planes.

Each

No. 110—Length 7½ inches; 1⅝ inch Cutter; Weight 1½ lbs. **$1.70**
One in a Package

CIRCULAR SAW MACHINES

BARNES

COMBINED MACHINE

For Carpenters, Cabinet Makers and Wood Workers; Painted Cast Iron Frame, Gear and Table for Light Ripping, Cutting to Length, Cut Off Work, etc.; the Circular Saw while Remaining on its Mandrel Can be at Once Taken Out of the Way when the Scroll Saw is to be Used. The Table Can be Adjusted Up or Down to Regulate Depth of Cut.

The Circular Saws are 6 inches in Diameter and Reach 1⅝ inches Above the Table. A 7 or 8-inch Saw Can be Used if Desired. Emery Wheels up to 1-inch Face by 6-inch Diameter, Can be Used on this Machine.

Height Over All 37 inches; Size of Table 28x30 inches; Floor Space Required 28x30 inches.

Each

†No. 10M—With 2 Circular Saws; One Rip and One Cross Cut; Weight Each Boxed 335 lbs..... $185.60

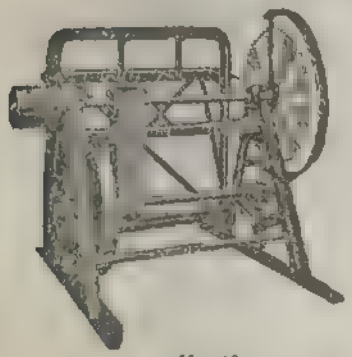
†No. 10CM—With 2 Circular Saws; Scroll Saw Attachment and 12 Assorted Scroll Saws; Weight Each Boxed 350 lbs...210 00

†No. 20CM—With 2 Circular Saws, Scroll Saw and Boring Attachment with Shelf Centering Chuck; Including 12 Assorted Scroll Saws; Weight Each Boxed 375 lbs.....216 50

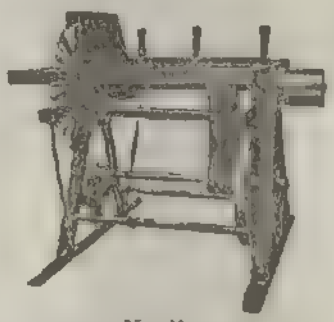
One in a Crate

WOOD SAWING MACHINES

CHALLENGE



No. 40



No. 41

Two Styles of Machines are Illustrated Herewith, One with Tilting and the Other a Sliding Table, both Made of Steel, Very Rigid in Construction, with Fly Wheel Underneath on an Independent Shaft Out of the Way, so that Poles and Long Sticks can be Cut to the Best Advantage. Fly Wheel Shaft is Arranged With Adjustable Cranks to Take up Slack in the Belt. The Fly Wheel Being Located Within the Frame Near the Base, not Only Gets it Out of the Way but Tends to Steady the Whole Frame and Overcomes Top-heavy Vibrations.

Speed 1,000 to 1,600 Revolutions per Minute.

Each

†No. 40—Tilting Table Saw; without Blade; takes Blade 20 to 30 Inches in Diameter; Weight Each 360 lbs.....$64 00

†No. 41—Sliding Table Saw; without Blade; takes Blade 20 to 30 Inches in Diameter; Weight Each 420 lbs..... 68 00

One in a Crate

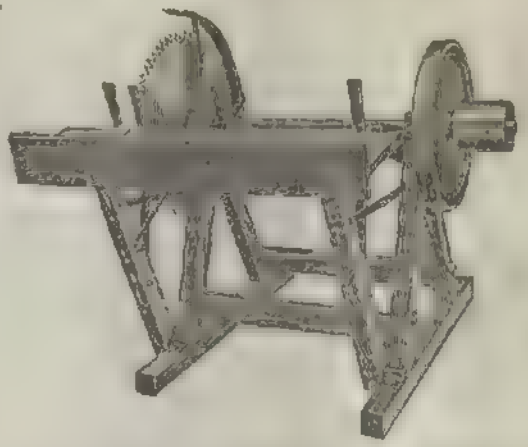
CORDWOOD SAW BLADES

CHALLENGE

Nos.	†C20	†C22	†C24
Diameter, Inches	20	22	24
Gauge, No	11	11	10
Revolutions per Minute..	1960	1740	1630
Each.....	$5 90	6 70	7.90
Nos.	**†C26**	**†C28**	**†C30**
Diameter, Inches.....	26	28	30
Gauge, No	10	10	10
Revolutions per Minute..	1450	1400	1275
Each.....	$9 30	10.80	12.40

WOOD SAWING MACHINES

CHALLENGE



This Frame is Constructed of Thoroughly Seasoned Lumber of the Proper Size to Withstand any Strain that can be Placed on it in Sawing Wood and is Securely Bolted and Braced in Every Direction.

The Shaft is Cold Rolled Steel and the Bearings are Cast on a Solid Iron Beam Extending the Entire Length of Frame, which Holds them in Perfect Alignment with the Shaft at all Times. Over the Blade we Place a Substantial Shield to Protect the Operator Against all Possibility of Being Injured.

The Table is one of the Swing Type, Pivoted at Bottom on a Cast Bearing.

We can also Furnish this Frame with 4 foot Extension Table for Long Pole Sawing and when Wanted Fitted in this Manner Order No. 45.

Can be Used with Saws from 20 inches to 30 inches in Diameter. Pulley 6x8; Speed 1,000 to 1,600 Revolutions per Minute.

Each

†No. 44—Without Saw; will take Saw 20 to 30 inches in Diameter; Weight Each 250 lbs.....$48.00

†No. 45—Without Saw, with 4 Foot Extension Table; will Take Saw 20 to 30 inches in Diameter; Weight Each 260 lbs..... 54.00

One in a Crate

MORTISING MACHINES

BARNES

Painted Cast Iron Frame and Table, Steel Foot Lever Plunger and Set Screws; Hardwood Bed Face; Tempered Steel Wire Coil Spring.

Each

†No. BM—Without Chisels; Height 53 inches; Length of Table 22 inches; Length of Table Face 30 inches; Floor Space Required 27x27 inches; Weight Each Cased, 170 Lbs..... $123.30

One in a Case

MORTISING MACHINE CHISELS

BARNES

Forged from Finest Tool Steel, Carefully Tempered and Sharpened. Polished Blade, Natural Handle, Square Edged Points, Fits No. BM Mortising Machine.

Size, inches .. †¼ †5/16 †⅜ †7/16 †½ †9/16 †⅝ †¾ †⅞ †1

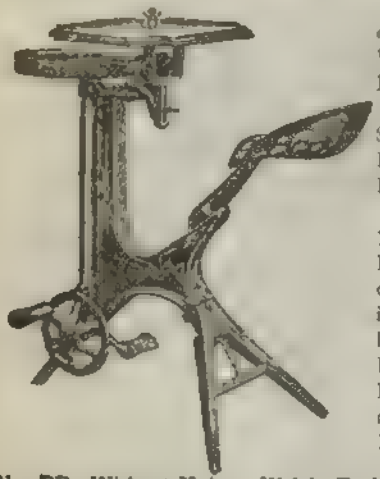
Each, All Sizes..... $5 50

Loose; Weight Each About 5 Ozs.

Items Marked † Not Carried in Stock, Can Only be Furnished by Shipping Direct from Factory, Batavia, Ills.

FOOT FORMERS

BARNES IMPROVED



Adapted for Moulding Edges of Bracket, Scroll Work, Panel Work and Mouldings of all Kinds up to ⅛ inch.

Painted Cast Iron Frame, Seat, Gear Wheels, Cranks and Pedals; Steel Axle and Shaft; Plain Hardwood Table.

Height 42 inches; Size of Table 15x18½ inches; Floor Space Required 20x26 inches; Table can be Lowered to Give 2¼ inch Space Between it and Lower Edge of Knife. Speed of Knives is from 2,000 to 2,500 Revolutions per Minute; Knives can be Revolved in Either Direction

	Each
✣No. FF—Without Knives; Weight Each 110 lbs.	$123 30

One in a Case

GUMMER CUTTERS

MIXTER

Crucible Tool Steel, Milled and Hardened Natural Finish; For Mixter Champion, Standard, IXL, Boss and Disston Gum-

Diameter Outside, In.	½	⅝	¾	⅞	1
Diameter of Hole, inch.	⅛	⅛	½	½	½
Weight Each, ozs.	1	1	2	2	3
Each	$0.60	.60	.72	.80	1.00

One in a Box

SAW SWAGES

CONQUEROR

For Circular Saws

Forged Steel Body; Hardened Face; Inserted Crucible Steel Hardened Jaws; Blued Steel Cap, Polished Edges, Natural Finished Body; a Slot at Bottom of Gullets Prevents Injury to or Blunting Tooth of Saw.

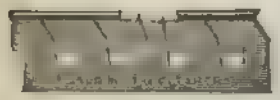
Nos	0	1	2	3
Length, inches	6	5	3½	2⅛
Weight Each, lbs.	1⅜	1	⅜	⅛
Each	$7.30	6.70	5.50	4.30

Note.—No. 0 Has a Projecting Tongue for Use when a Spread Set is Desired.

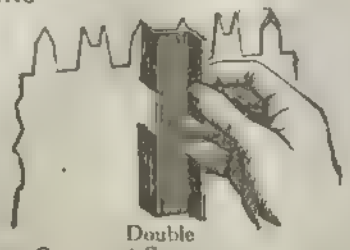
One in a Box

SAW TOOTH GAUGES

ATKINS



Single



Double

For One and Two-man Cross-cut Saws

Malleable Iron, Flanged; Plain Finish; Length 5½ inches

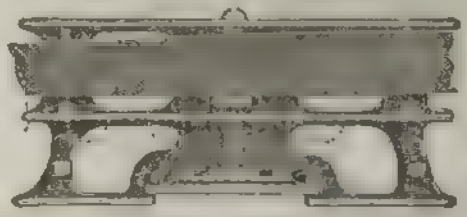
	Per Dozen
No. SR—Single; for Gauging Length of Raker Teeth; Weight per Dozen 2 lbs.	$1 80
No. DR—Double; for Gauging Set of Teeth and Length of Raker Teeth; Weight per Dozen 3 lbs.	2 40

One Dozen in a Box

SAW TOOLS

*DIAMOND EDGE

For One- and Two-man Cross-cut Saws



Showing Use as a Side File, to Render Set Exact and to Remove Feather Edge Produced by Filing

Showing Use as a Raker Tooth Gauge, for Shortening Raker Teeth to Proper Length

Showing Use as a Jointer, for Evening the Length of Teeth; Any Worn Flat File, 9-inch Preferred, will Serve.

Setting Block

Illustrating the Manner of Setting Teeth

Tooth Set Gauge

The Point on the Short End Indicates a Set Suitable for Dry and Hard Wood; the Point on Long End, for Green and Soft Wood.

Malleable Iron, Combination Tool, with Ground Faces, Hardened Iron, Accurately Ground Top Filing Plate, Adjustable by a Screw. File Locked Securely by Tightening a Screw; Hardened Iron Setting Block and Iron Set Gauge; Plain Finish.

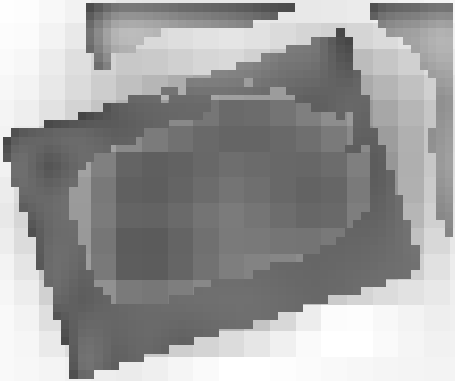
	Per Dozen Sets
No. DE50—Set Complete; Contains Combination Side File, Tooth Gauge and Jointer 5⅜x2¼ inches, Setting Block 7⅛x¾ inches, and Tooth Set Gauge 3¼x1¾ inches. Weight per Dozen Sets 17 lbs.	$9.00

Twelfth Dozen Sets in a Box

	Per Dozen
No. DEB—Setting Block; for No. DE50 Saw Tools; Hardened Iron 7½ inches Long; Weight per Dozen 7 lbs.	$4.00
No. DEG—Set Gauge; for No. DE50 Saw Tools; Hardened Iron 3¼x1¾ inches; Weight per Dozen 1 lb.	2.50

Half Dozen in a Box

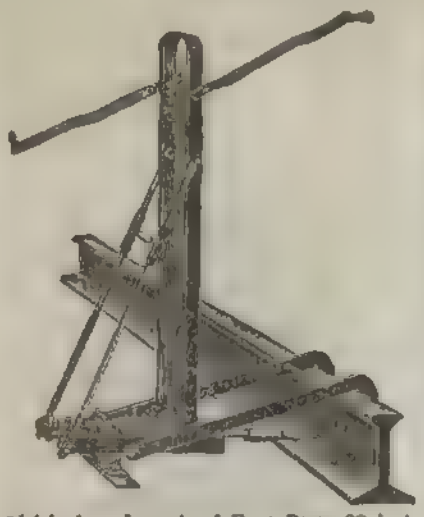
Items Marked ✣ Not Carried in Stock; Can Only Be Furnished by Shipping Direct from Factory, Rockford, Ills.,



TRACK DRILLS

NEW PAULUS VERTICAL

With Automatic Feed Over Clutch.



The Operator Stands Erect Working with Greater Power and Less Strain than with a Horizontal Drill; Saves Time, as the Action of the Bit is Continuous; No Loss of Motion or Time as with a Lever Action Ratchet Drill; the Bit is Not Withdrawn from the Rail to Get Out of way of Passing Train. The Top of Frame is Thrown Back, Releasing the Hooks, which are Lifted Out of the Way.

The Feed is Automatic and Requires no Adjustment.

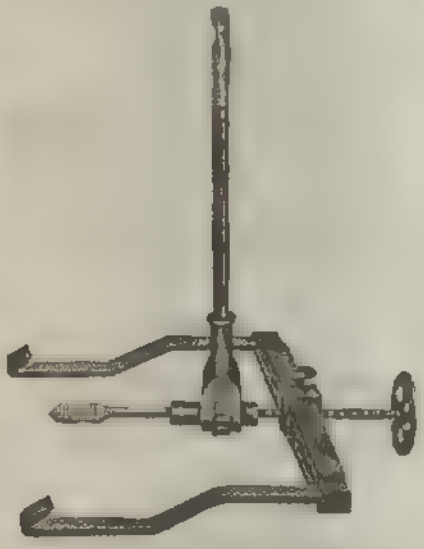
Japanned Malleable Iron I Frame, Braces, Hooks, Gear Wheels and Cranks; Hardwood Handles; Height 33 inches; Width of Frame 9¼ inches; Length of Foot Plate 22 inches; Length of Handle Cranks 11 inches

Without Drill

Each

†No. 60B—With Regular Twist Bit Spindle; Weight Each 65 lbs.. $49 00

Loose



BELAND HORIZONTAL

A Light, Reliable and Serviceable Drill; The Clamps Fasten Under Rail; by Shifting the Drill Along the Sliding Bar, All the Holes for Fish Plates or Frogs Can be Drilled W thout Removing the Frame from the Rail.

Without Drill Bit

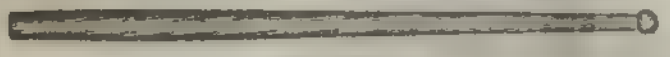
Take Square Shank Drills.

Each

No. BD—Mild Steel Frame; Cast Steel Ratchet with 18 inch Gas Pipe and Wood Lever; Length of Slide Bar 23 inches; Diameter of Feed Wheel 4¾ inches; Diameter of Feed Screw ¾ inch; Length of Feed 7 inches; Weight Each 27 lbs..... $11.00

Loose

FORGIE JACK HANDLES



HICKORY

Selected Grade Turned Hickory Especially Adapted to the Oil Fields where a Handle of Great Strength is Required for Heavy Lifting.

No.	FJ
Length, feet	4½
Diameter, inches	2¾
Weight per Dozen, lbs.	40
Per Dozen	$30.50

Loose

LEVER JACK SCREWS

★NORSHAP

Wrought Iron Screws, Swivel Top; Heavy Cast Iron Body and Head; Bell Shaped Bottom Painted Red.

For Use in Raising Buildings, Engines, Boilers, Cars, Locomotives, etc.

CAPACITY IN TONS

Screw, Inches	1¼	1½	1¾	2	2¼	2½	3
Will Lift, Tons	10	12	16	20	24	28	36

STOCK SIZES

Nos.	81½	101½	121½	141½	161½	101¾	121¾	141¾
Screw, in.	1¼	1¼	1½	1½	1½	1¾	1¾	1¾
Height Stand, in.	8	10	12	14	16	10	12	14
Rise of Screw, in.	6	8	10	12	14	8	10	12
Height Down, in.	11	13	15	17	19	13½	15½	17½
Wt. Each, lbs.	16	19	22	26	30	24	26	32
Each	$4 25	4.75	5 25	6 00	6 75	5 75	6 25	6 75
	4.50	5.00	5.50	6 30	7.10	6 00	6.60	7.10

Nos.	161¾	181¾	82	102	122	142	162	182
Screw, in.	1¾	1¾	2	2	2	2	2	2
Height Stand, in.	16	18	8	10	12	14	16	18
Rise of Screw, in.	14	16	5¾	7¾	9¾	11¾	13¾	15¾
Height Down, in.	19½	21½	12	14	16	18	20	22
Wt. Each, lbs.	38	44	26	29	30	35	45	50
Each	$7 50	8 50	6 00	6 75	7 50	8 25	9 25	10.25
	7.90	8 90	6 30	7.10	7.90	8.70	9 70	10.70

FACTORY SHIPMENT SIZES

Nos.	†41¼	†61¼	†81¼	†101¼	†121¼	†141¼
Screw, in.	1¼	1¼	1¼	1¼	1¼	1¼
Height Stand, in.	4	6	8	10	12	14
Rise of Screw, in.	3	4½	6½	8½	10½	12½
Height Down, in.	6¾	8¾	10¾	12¾	14¾	16¾
Wt. Each lbs.	8	12	15	16	18	22
Each	$2 00	3 10	3 40	3 80	4.20	4 60
	3.10	3 30	3.60	4.00	4.40	4.80

Nos.	†41½	†61½	†51¾	†61¾	†81¾	†52
Screw, in.	1½	1½	1¾	1¾	1¾	2
Height Stand, in.	4	6	5	6	8	5
Rise of Screw, in.	2¾	4	3	4	6	3
Height Down, in.	7	9	8	9½	11½	9
Wt. Each, lbs.	11	14	13	18	23	20
Each	$3 25	3.75	4.25	4.50	5.00	5.00
	3.40	3.90	4.50	4.70	5.30	5.30

Nos.	† 62	†82	†202	†242	†82½	†82½
Screw, in.	2	2	2	2	2½	2½
Height Stand, in.	6	8	20	24	6	8
Rise of Screw, in.	3¾	5¾	17½	21	4	6
Height Down, in.	10	12	24	28	10½	12½
Wt. Each, lbs.	22	26	53	66	35	40
Each	$5 25	6.00	11.50	13 50	7.75	8.75
	5.50	6.30	12.00	14.10	8.10	9.20

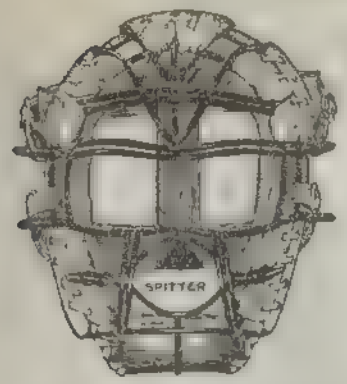
Nos.	†102½	†122½	†142½	†162½	†182½	†202½
Screw, in.	2½	2½	2½	2½	2½	2½
Height Stand, in.	10	12	14	16	18	20
Rise of Screw, in.	7½	9½	11½	13½	15½	17½
Height Down, in.	14½	16½	18½	20½	22½	24½
Wt. Each, lbs.	45	49	56	65	70	75
Each	$9.75	10 75	12 00	13 25	14 50	15 75
	10 20	11.30	12.60	13.90	15.20	16.50

Nos.	†242½	†143	†163	†183	†203	†243	†303
Screw, in.	2½	3	3	3	3	3	3
Height Stand, in.	24	14	16	8	20	24	30
Rise of Screw, in.	21½	11	12½	14½	16½	20½	26
Height Down, in.	28½	19½	20½	22½	24½	28½	34
Wt. Each, lbs.	96	74	76	80	86	129	150
Each	$18.25	19.50	20 75	22 00	23.25	25 75	30 00
	19 10	20 40	21 70	23 00	24 30	26.90	31 40

Loose

Items Marked † Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory, Shelbyville, Ill.

CATCHERS MASKS

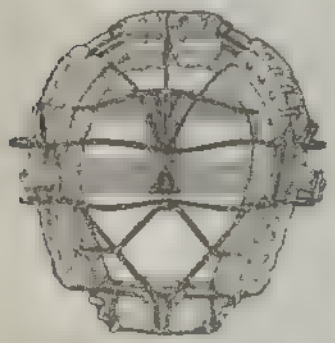


PROFESSIONAL

Spitter Model; Finest Quality Heavy Double Steel Wire; Electro Welded Throughout; Black Rubber Enamel Finish; Special Open Vision With Ear Protectors; Fitted All Around with Strong Pads of Calf skin; Stuffed with Hair and Firmly Laced to Frame; Strong Adjustable Elastic Head Straps.

Per Dozen

No. 1000—Weight per Dozen, 30 lbs. **$120.00**
Twelfth Dozen in a Box

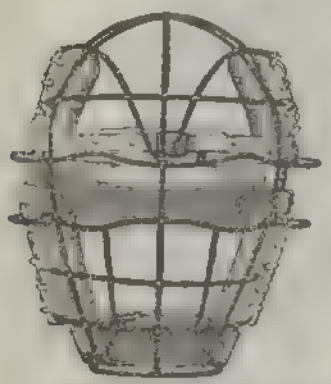


PROFESSIONAL

Spitter Model; Extra Fine Quality Heavy Steel Wire, Shallow Frame Electro Welded Throughout; Black Rubber Enamel Finish; Open Vision with Ear Protectors; Fitted All Around with Strong Pads of [illegible], Stuffed with Hair; Firmly Laced to Frame. Strong Adjustable Elastic Head Strap.

Per Dozen

No. 800—Weight per Dozen, 24 lbs. **$108 00**
Twelfth Dozen in a Box

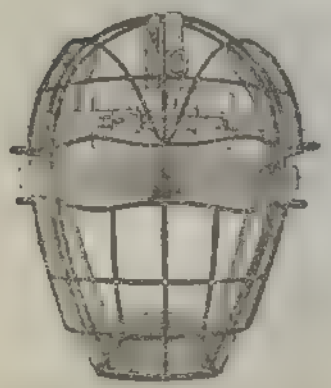


AMATEUR

Fine Quality Steel Wire; Electro Welded Throughout; Black Rubber Enamel Finish; Open Vision with Ear Protectors; Four Fine Hair Stuffed Leather Pads Laced with Genuine Rawhide; Forehead and Moulded Leather Chin Rest; Adjustable Leather Tipped Elastic Head Band.

Per Dozen

No. 700—Weight per Dozen, 18 lbs. **$84 00**
Twelfth Dozen in a Box



YOUTHS' MODEL

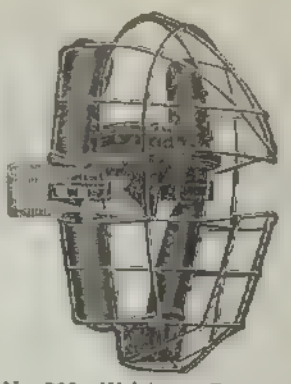
Selected Steel Wire; Electro Welded Throughout; Dull Black Finish; Four Fine Leather Pads, Hair Stuffed; Fastened with Brass Wire; Forehead and Moulded Chin Rest; Adjustable Elastic Head Band.

Per Dozen

No. 450—Weight per Dozen, 18 lbs. **$72 00**
Twelfth Dozen in a Box

CATCHERS MASKS

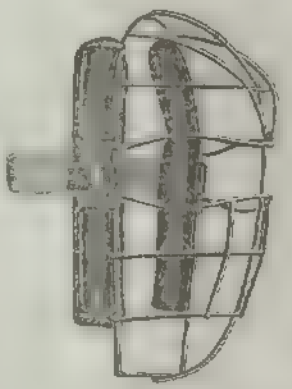
YOUTHS' MODEL



Full Size Welted Wire Frame; Open Face Pattern; Leather Stuffed Forehead and Cheek Protector Complete with Strap and Leather Filled Head Guard; Riveted Chin Strap; Elastic Head Strap Complete with Buckle.

Per Dozen

No. 300—Weight per Dozen, 9 lbs. **$54 00**
One in a Box



Medium Weight Wire Frame; Canvas Filled Cheek and Face Protector; Elastic Head Strap.

Per Dozen

No. 125—Weight per Dozen, 4½ lbs. **$24 00**
One in a Box

Full Weight Wire Frame; Canvas Filled Cheek and Face Protectory; Elastic Head Strap.

Per Dozen

No. 175—Weight per Dozen, 6 lbs. **$27.00**
One in a Box

LEG GUARDS

For Catchers and Umpires

The Knee Guard is Made of Moulded Russett Sole Leather with Joints Below the Knee So that the Wearer May Move Freely; the Material in Shin Part is Heavy Canvas with Rattan Stays and Will Turn the Sharpest Spikes; the Ankle is Protected by Strong Leather Inside and Reinforced with Felt Padding.

Per Pair

No. CG—Weight per Pair, 3 lbs. **$11 00**
One Pair in a Box

Moulded Leather Knee; Cap with Joint Below Knee; Fibre Shin Guard; Well Padded Ankle Guard

Per Pair

No. FG—Weight per Pair, 2¼ lbs. **$13 00**
One Pair in a Box

CATCHERS BODY PROTECTORS

Made of Heavy Army Duck; Olive Drab Color; Roll Style; Leather Binding; Padded with Highest Quality Java Kapok; Elastic Shoulder Strap; Adjustable Web Back Straps with Non-Rustable Buckle.

Per Dozen
No. S1—Weight Each, 2¼ lbs $180 00
One in a Box

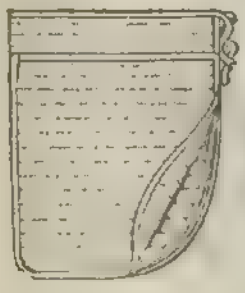
Made of Good Quality Khaki Cloth; Olive Color; Padded with Curled Hair; Leather Binding; Elastic Shoulder Strap; Adjustable Web Back Strap.

Per Dozen
No. S2—Weight Each, 3 lbs. $120 00
One in a Box

Made of Good Quality Khaki Cloth; Olive Color; Padded with Curled Hair; Leather Binding; Elastic Shoulder Strap; Adjustable Web Back Strap.

Per Dozen
No. S3—Weight Each, 1¾ lbs. $66 00
One in a Box

SLIDING PADS



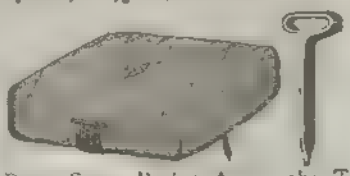
Made of Fine Light Weight Quilted White Material; Quilting is Run Horizontally to Prevent the Two Layers of Padding Working up on the Hips; Light, Cool and Comfortable and Can be Washed; Width 23 inches; Length 17 inches.

Each
No. 150—Weigh per Dozen, 10 lbs $3 30
One Pair in a Box

BASES

*DIAMOND BRAND

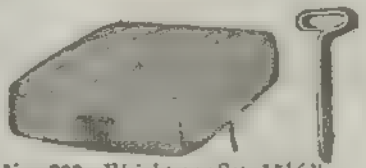
NOTE—Three Bases Always Constitute a Set; One Spike to Each Base; All Made Regulation Size, 15x15x4 inches; Flat Black Iron Spikes, 9x⅝ inches.



LEAGUE

Extra Heavy White Canvas; Stuffed with Curled Moss; Large Diamond Quilted Top; 1½ inch Heavy Woven Strap with Patent Buckle. Heavy Harness Leather Strap Loop Riveted to Bottom of Base; Strap Pocket Across the Top with Inserted Tan Leather Entrance.

Per Set
No. 100—Weight per Set, 15½ lbs $18 00
One Set in a Package



PROFESSIONAL

Heavy Weight White Canvas, Firmly Stuffed; Plain Top, 1½ inch Heavy Canvas Strap with Patent Buckle; Heavy Harness Leather Strap Loop Riveted to Base to Hold Strap in Place.

Per Set
No. 200—Weight per Set, 15½ lbs. $13.00
One Set in a Package

BASE BALL SHOES

*TRIUMPH BRAND

NOTE—Always Specify Sizes Wanted When Ordering.

LEAGUE

Sprint Pattern; League Style and Quality; Made from Finest Quality Calfskin; Black; Hand Sewed, Genuine Goodyear Welt; Flexible Shank; Fitted with Best Hand Forged Steel Toe and Heel Plates; Plates Ground and Sharpened; Sizes in Stock: 5, 6, 7, 8, 9 and 10 Only.

Per Pair
No. 1—Weight per Pair, 2½ lbs $13.00
One Pair in a Box

PROFESSIONAL

Professional Style and Quality; Finest Quality Calfskin; Black, Machine Sewed, McKay Welt; Flexible Shank; Fitted with Best Hand Forged Steel Toe and Heel Plates, Ground and Sharpened; Sizes in Stock: 5, 6, 7, 8, 9 and 10 Only.

Per Pair
No. 2—Weight per Pair, 2¼ lbs $10.00
One Pair in a Box

AMATEUR

Amateur Style and Quality; Fine Grade Oil Tanned Calf Black; Machine Sewed; McKay Welt; Flexible Shank; Fitted with Best Hand Forged Steel Toe and Heel Plates, Ground and Sharpened. Sizes in Stock: 6, 6, 7, 8, 9 and 10 Only

Per Pair
No. 3—Weight per Pair, 2¼ lbs $9.00
One Pair in a Box

HIGH SCHOOL

Regulation Style, Good Grade Oil Tanned Calf; Black; Machine Sewed; McKay Welt; Fitted with Best Hand Forged Steel Toe and Heel Plates, Ground and Sharpened; Sizes in Stock: 5, 6, 7, 8, 9 and 10, Only.

Per Pair
No. 4—Weight per Pair, 2¼ lbs. $7.00
One Pair in a Box

W D C "MILANO" ITALIAN BRIAR PIPES

*"Milano" 5 most selected genuine Italian briar all hand made, trade mark of W D C stenciled without imperfections hand polished, waxed finish hand cut solid rubber bits, aluminum cleaning feature. Each in Kennedette pouch in box

1Y2348 Half bent stem
1Y2249—Bent stem, egg bowl
1Y2248 Straight stem, egg bowl
1Y2232 Straight stem, Hungarian bowl

Each $2.05

NOVELTY AND SOUVENIR PIPES

1Y2237—Clay bowl, calabash style bent stem, hard rubber bite, nickeled ferrules 1 doz. on display card. Doz. 85c

1Y3014 "Bee Wellington," same shape as famous Bee set. Well finished pipes, sand rubber curved stems, cut for use as cigarette holder 1 doz. on display card. Doz. 87c

1Y3011—"Gem," 3 shapes, bright steel bits and stem, solid hard rubber, can be used as cigarette holders. Assid. 2 doz. on display card. Doz. 82c

1Y2220—"Snappy," solid rubber, bent stems, rustic style bowls, can be used as cigarette holder 1 doz. on display card. Doz. 85c

1Y3010—"Hobby," dark finish rosewood, with assid straight and bent stems, electro plated ferrules, rubber saddle bits Assid 1 doz. on display card 2 doz. 3 cards in box. Doz. 98c

1Y2800—"My Lady's Churchward" 8½ in. selected rubber, rustic finish, pewter Churchwarden pipe with 6 in. stem can be used as cigarette holder 1 doz. on display card Doz. $1.87

1Y2044 Baby Wellington mouthpiece size of the regular celebrated "Wellington" pipe, French briar bowl, metal ferrule, bent stem, solid rubber shoulder bits Well-known mouthpiece size. Each 1 doz. on litho display card. Doz. $2.15

PIPE MOUNTS

Assortment of rubber mounts for repairing all staple medium and large size pipes

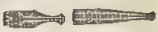
1Y2170—12 styles, hard rubber, straight and bent, saddle and shoulder flush mount push bits and 3 doz. in partitioned display box (Total $3.15) Doz. $1.05

1Y2168—8 styles, "W D C," hard rubber shoulder and flush mount push bits, straight and bent, fit any style "Wellington" or other well-bore pipes. Assid. 2 doz. on card. Doz. $1.20

CIGARETTE HOLDERS

1Y3068 "Frank Longfellow," 7 in. hard rubber, for roung cigarettes 1 doz on easel display card Doz. 84c

1Y2005—Assid. styles and colors, 2½ to 2¾ in. gulsith holders. Assid. 1 doz. on card. Doz. $1.95



1Y2460—"Premier," assid. styles, 1¾ to 2¼ in long fancy shapes clear "Redmanol" cigarette holders, tasteless odorless and non-inflammable Assid 1 doz in pkg. Doz $3.95

PIPE CLEANER

1Y2524 — Twisted wire, chenille cleaners, 12 in bdl. 100 bdls in box Box. 98c

You owe it to yourself to at least study these prices

CIGARS AND TOBACCO

CIGARS

New "Red Cloud"—4¼ in. Perfecto, well made combination short filler, banded.
1Y8280 50 in box
Per M. $24.50

"Beach Nut" — 4¾ in., straight shape, good appearance.
1Y8342—100 in box
Per M $31.00

Manila—4½ in., full Londres, selected Manila tobacco. The cream of the Manila cigars, made in the "Isabella" factory
1Y8903—100 in box (1 bdl.), ribbon clad "r M, $33.60

Brotherhood Cigars — 4¾ in. Perfecto shape, Havana long filler, Connecticut binder and Sumatra wrapper, banded.
1Y8900—50 in box.
Per M $38.00

"John Huskin"—Perfecto 5 in. long combination filler, broad leaf wrapper banded
1Y8750—50 in box
Per M. $60.00

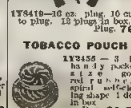
"El Rol-Tan" Puritano shape, full 5 in. long
1Y8920—50 in box
Per M $78.00

"La Palina Senators" Perfecto shape, 4¾ in.
1Y8918—50 in box
Per M $98.00

"HORSE SHOE" CHEWING TOBACCO

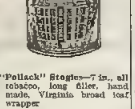
1Y8410—16 oz. plug, 16 cuts to plug, 12 plugs in box
Plug 76c

TOBACCO POUCH



1Y3455 — 3 in. handy packet, size good red rubber spiral reflecting slide 1 doz in box.
Doz $1.55

STOGIES



"Pollack" Stogies—7 in., all tobacco, long filler, hand made, Virginia broad leaf wrapper
1Y8911 100 in cardboard drums Per M. $25.50

"Pittsburgh Dutch Stogie —6 in long Filler hand made broad leaf wrapper
1Y8285—100 in wood box
Per M. $27.90

"Bull Durham" Smoking Tobacco

1¾ oz. pkg. that you can sell for a dime

1Y8404—1¾ oz. extra size pkg U S Army goods. 4 doz pkgs in carton
Doz pkgs *78c
(Total $3.12)

"Tuxedo" Smoking Tobacco

Big value to offer for 15c and get a nice long profit.

1Y8413—1¾ oz. tins U S. Army goods 2 doz in pkg
Doz *1.15
Gro. *13.20

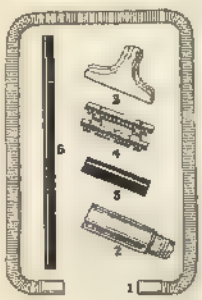
BEE-VAC
ELECTRIC CLEANER

Model G

Ball Bearing

Super suction, developed by perfectly balanced motor and fan, through narrow nozzle.
Swing-back, self-cleaning, double brush removes all surface litter.
Pistol grip handle, trigger switch. 110 volt Universal motor.
Hose terminal easily connected to fan casing. Entire casing of highly polished cast aluminum.
Model G has bronze bearing motor. Model B has ball bearing motor.

Model No.		In Box	Weight	In Carton	Weight	Each
G-10	Cleaner only	1	16 lbs.	3	21½ lbs.	**$29.50**
G-20	With attachments	1	19¾ lbs.	3	25¾ lbs.	**34.50**
B-30	Cleaner only	1	15¼ lbs.	3	20¾ lbs.	**34.75**
B-40	With attachments	1	19 lbs	3	24½ lbs.	**39.75**



CLEANING ATTACHMENTS

These cleaning attachments fit either model of Bee-Vac cleaners

No. 1—An 8 foot flexible rubber hose.
No. 2—Swiveled metal connection fastened to end of hose for direct insertion into machine.
No. 3—5 inch aluminum nozzle for cleaning books, shelves, mouldings, etc.
No. 4—Brush, snaps on 5 inch nozzle for dusting portieres, draperies, heavy clothing, etc.
No 5—Steel connecting tube
No. 6—30 inch extension tube for cleaning the hard to reach places.

Packed, 1 set. Weight, 5¼ lbs. ..... per set, **$5.00**

BEE-VAC JUNIOR VACUUM BRUSH

A super quality vacuum brush that only weighs about four pounds.

For dustlessly and easily cleaning clothing. For stair carpets, clothes closets, drawers, curtains, window shades and curtains, kitchen cabinets, and any upholstery.

Unsurpassed for cleaning automobiles.

Storekeepers clean shelving, show cases and merchandise.

Ideal for cleaning billiard tables.

Powered by the usual dependable Birco Universal Motor as described below:

Horse power—⅛
Voltage—110
Current—AC or DC
Cycles—60 or less
20 feet of cord and plugs
Packed—3
Weight—21 lbs.
Each -**$19.50**

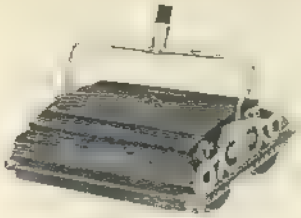
ALBANY HARDWARE & IRON CO.

BISSELL CARPET SWEEPERS

Grand, 17 Inch

Golden fumed oak. All Bissell improvements. Extra heavy furniture protector band. Best quality brush. Pans dump separately

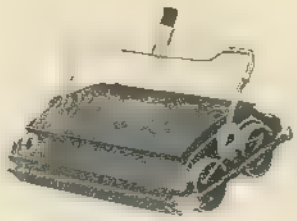
Fittings	Packed	Wt.	Per Doz
Japanned	½ doz.	80 lbs.	**$90.00**



American Queen

Hand polished plain mahogany veneer. All Bissell improvements. Best quality brush. Pans dump separately

Fittings	Packed	Wt.	Per Doz
Nickeled	½ doz.	55 lbs.	**$81.00**



Princess

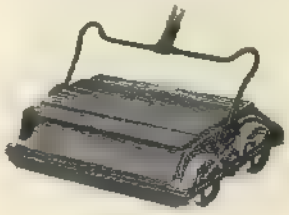
Quartered oak, golden finish. All Bissell improvements. Best quality brush. Pans dump separately.

Fittings	Packed	Wt.	Per Doz
Nickeled	½ doz.	50 lbs.	**$81.00**

Grand Rapids

Seal brown and mahoganized gum wood finish. All Bissell improvements. Best quality brush. Pans dump together.

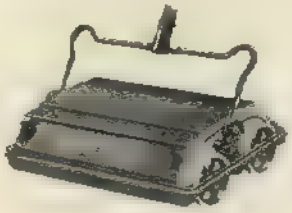
Fittings	Packed	Wt.	Per Doz
Nickeled	½ doz.	50 lbs.	**$72.00**
Japanned	½ doz.	50 lbs.	**66.00**



Universal

Mahoganized gum wood. Cyco bearings. Heavy braid furniture protector. Best quality brush. Pans dump together.

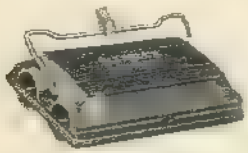
Fittings	Packed	Wt.	Per Doz.
Nickeled	½ doz.	50 lbs.	**$69.00**
Japanned	½ doz.	50 lbs.	**63.00**



Standard

Varnished, mahoganized gum wood. Braid furniture protector Pure bristle brush. Pans dump together

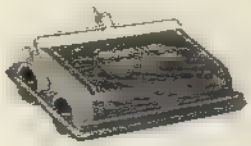
Fittings	Packed	Wt.	Per Doz.
Japanned	½ doz.	45 lbs.	**$48.00**



Junior

Mahogany finished gum wood case. Wooden brush roll. Japanned fittings. For real service in low and small spaces.

Packed, 1 doz., weight, 23 lbs.
. . . . . per doz., **$27.00**



Little Jewel

Fibre board top, lacquered mahogany finish. Wire core bristle brush. Nickeled fittings.

Packed, 1 doz., weight, 21 lbs.
. . . . . per doz., **$18.00**

Little Gem

Fibre board top and wood ends are lacquered blue. Real bristle brush. Nickeled fittings.

Packed, 3 doz., weight, 35 lbs.
per doz., **$6.00**

SWEEPER PARTS

For Grand, American Queen, Grand Rapids, Universal, Standard

Name of Part	Each
Bands with buffer	**$0.50**
Braid bands	**.25**
Brushes	**1.00**
Handles	**.30**
Tires (large)	**.15**

Lamps that are a little out of the ordinary

1078 Shade
Diameter 14 inches, georgette shirred top with silk lining and double 6 inch silk fringe and silk valance. Colors: Black and gold, taupe over rose.
Each, $20.00

1028 Base
Lustre vase supported in a decorated hand wrought iron stand. Very attractive Height, 20 inches Colors Mirror black or oxblood
Each $36.00

1030 Electric Cape Cod candlestick
Very popular style and has proven a ready seller. Can be had in brushed brass or lacquered silver
Pair, $18 00

1033 Candlestick
Height, 11 inches Combination wood and glass candlestick. The wood base is very carefully finished in gold and black, while the teardrops are of a very pretty amethyst color.
Pair, $10.00

1026 Boudoir lamp
Mahogany finish wood base, 10 inches high Silk shade of very neat, pleasing design Can be had in rose, blue and taupe silk.
Complete, Each, $4.50

1155 Shade
Nine inch gold brown mottled leatherette parchment
Each, $1 40

1148 Base
Mahogany finish wood base Regulation 10 in boudoir height
Each, $1.80

1028 Electric candlestick
Metal base beautifully finished in polychrome or silver. The teardrops give this lamp a very charming effect, Wired complete. Colors Polychrome with amber teardrops, silver with amethyst teardrops
Each, $8 50
Usually used in pairs

1029 Shield
Each, $3.70

1031 Bergere
Figure electrolier Height 30 inches Finish antique bronze. This is a French importation and very well made. At this price we can fill a large demand Equipped with three lights
Each, $34.00

A page of striking values

1032 Cape Cod candlestick
Finish, colonial brass with genuine imported cut and polished crystal prism Candle not furnished.
Pair, $9.00

1034 Boudoir lamp
Height, 14 inches. The base is of metal very cleverly decorated in polychrome colorings The georgette covered shade is 7 inches in diameter, making a very well proportioned lamp. Colors Rose or taupe
Each, $7.00

2079 Shade
Pleated georgette, banding top and bottom, with silk lining Diameter 8 inches Colors Black over gold, taupe over rose
Each, $6 00

1035 Base
Lustre vase set in a decorated hand wrought iron stand Height, 14 inches An ideal lamp for table between twin beds Colors Mirror black or oxblood
Each, $12 00

1036 10-inch shade
A well made shade at a popular price. Combined with this black base it makes a quick selling lamp for use on an end table or night stand Colors: Taupe silk with black moss trim
Each, $5.50

1037 Base
Height, 18 inches Black pottery lustre vase on metal mounting.
Each, $8.00

CARSON PIRIE SCOTT & CO.
CHICAGO

BICYCLE BELL ASSORTMENTS

F. D. L.

No. 332B

Turtle

Boy Scout

Pocahontas

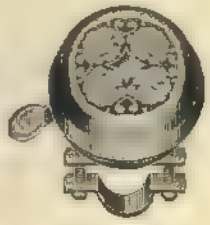
Horse

Cherub

Fox

Jewel

Dog


Grecian

Scroll

ZOO ASSORTMENT

Gongs made of the best [illegible] metal, brilliantly ornamented in colors. Sharp, musical tones.

3 each F. D. L. and No. 332B, 2 turtle, 1 each serpent, cherub, fox and jewel designs.

Name	Gongs	Packed	Weight	Per Ass't
Zoo	2⅜ in. dia.	12	4 lbs.	**$6.00**

BICYCLE BELLS

Leader

Plain. With rotary electric mechanism operated by a lever.

Name	Gong	Packed	Weight	Each
Leader	2 in. diam.	12	3⅛ lbs.	**$0.30**
Leader	2½ in. diam.	12	5 lbs.	**.40**

BICYCLE HORN

E. A.

Hand operated. Modeled after automobile horns. Very durable and effective.

Packed, 1, weight, 1⅛ lbs.....each, **$1.75**

MASCOT ASSORTMENT

Steel gongs electrically welded to hub of bell. Flat top gongs in brilliant colors.

2 each Boy Scout, Pocahontas, horse, dog, Grecian and scroll designs.

Name	Gongs	Packed	Weight	Per Ass't
Mascot	2½ in. diam.	12	4 lbs.	**$4.80**

CYCLOMETERS

Regular

Dust and waterproof. No springs in mechanism. Large figures, easily read from saddle. The right hand figures represent tenths of a mile.

Packed 1, weight, 2 ozs.....each, **$1.50**

Trip

Same as Regular model except that it will register each individual trip.

Packed, 1, weight, 4 ozs.....each, **$3.00**

ALBANY HARDWARE & IRON CO.

BICYCLE RIMS

Wood

The strongest rim known. Will not warp, get out of true, split or break.

Sizes: 28x1⅝-1½ in., 28x1½-1⅜ in., 28x1⅜ in., 24 and 26x1½ in.

Tire	Finish	Packed	Weight	Per Pair
Cement	Plain	1 pair	2½ lbs.	**$3.00**
G & J	Plain	1 pair	2½ lbs.	**3.50**
Cement	Fancy Enam.	1 pair	2½ lbs.	**3.50**

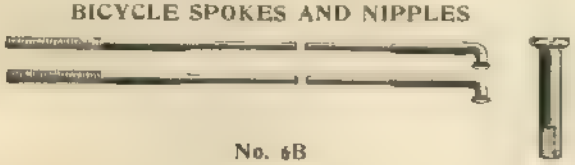
LOBDELL ARMORED

Straight grain, hard rock maple with 3 inch lap joint, encased in light gauge, nickel plated high carbon steel.

One tire seat takes 1¼, 1⅜, 1½ inch tires in 24, 26 and 28 inch diameters.

Packed, 1 pair, weight, 4 lbs.. per pair, **$3.00**

BICYCLE SPOKES AND NIPPLES



No. 6B

14/16 inch spokes with ⅛ inch nipples

Spokes, 13⅛ in. for 30 in. wheels, 12⅛ in. for 28 in., 11⅛ in. for 26 in., 10⅛ in. for 24 in., 8⅛ in. for 20 in.

Packed 100, weight, 1½ lbs ..per 100 **$2.50**

NIPPLE WRENCH

Handy to carry and use.

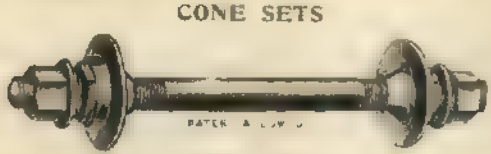
Fits any nipple.

Packed 12

Weight, ozs. 12

Each **$0.25**

CONE SETS



Quick Action

Complete ⅜ in. for front hubs, ⅜ in. for rear

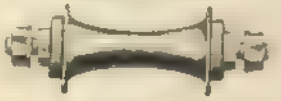
Packed, 1, weight, 5 ozs. .....each, **$0.25**

HUB AXLES

⅜ and ⅜ in. Assorted thread. Without nuts

Packed, 1, weight, 2 ozs. . . each, **$0.15**

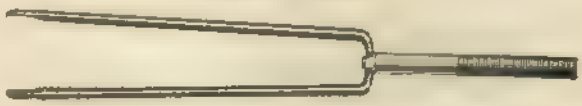
FRONT HUBS



Length over all, 3½ inches. 32 or 36 spoke holes

Packed, 1, weight, 8 ozs. ....each, **$1.00**

FRONT FORKS



Complete for repair work. Long stem can be cut to fit 22, 24 or 26 inch frame.

Packed, 10, weight, 5½ lbs.....each, **$2.50**

BICYCLE CHAINS

Diamond

Extra heavy alloy strip steel, almost unbreakable. Finely machined. Satisfactory service guaranteed. 56 inches long.

No.	Pitch	Width	Packed	Weight	Each
61	½ in.	⅜ or ⅝ in.	10	11¾ lbs.	**$2.00**
65	½ in.	⅜ or ⅝ in.	10	11 lbs.	**2.50**

RIM CEMENT, RIM SHELLAC

For Wood Rims

High Grade

Article		Packed	Weight	Price
Cement	2 oz. bottle	12	4½ lbs.	**$0.15** Bot.
Shellac	2 oz. bottle	12	4¼ lbs.	**.25** Bot.
Shellac	1 pt. can	1	1¼ lbs	**1.00** Can
Shellac	1 qt. can	1	2¾ lbs.	**1.75** Can
Shellac	1 gal. can	1	8¾ lbs.	**5.00** Can

SPOKES AND NIPPLES

★RUGBY NON-RUST

Rugby Spokes are Made from Specially Drawn Extra Fine Grade of Wire, and are Highly Nickel Plated and Polished Over Copper. These Spokes Will Relieve the Dealer of Any Trouble to Which He May Be Subject on Account of Defective Coating of Spokes and Nickeling. Rugby Spokes are Swaged, Headed, Bent, Threaded Complete with Right Nipples.

	Per 100
No. 1—14-16 Gauge; ⅜ inch Nipples.	$2 00
Per 1,000	19 20

(No. 1)—12 inch Adapted for Use in 26 inch Wheels
12½ inch Adapted for Use in 28 inch Wheels
One Hundred in a Box

No. 2 GRADE	Per 100
No. 2—14-16 Gauge, ¾ inch Nipples; Weight per 100, About 1¼ lbs	$1 80
Per 1000	17 00

(No. 2)—8½ inch Adapted for Use in 20 inch Wheels
10½ inch Adapted for Use in 24 inch Wheels
11½ inch Adapted for Use in 26 inch Wheels
11¾ inch Adapted for Use in 28 inch Wheels
12 inch Adapted for Use in 28 inch Wheels
12½ inch Adapted for Use in 28 inch Wheels
One Hundred in a Box

	Per 1000
No. 2B—14-16 Gauge; ¾ inch Nipples. Weight per 1000, 17 lbs	$16 50

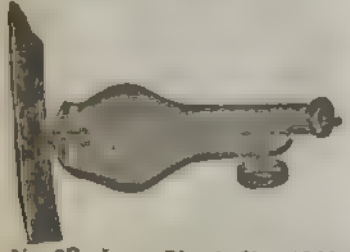
(No. 2B)—12 inch Adapted for Use in 26 inch Wheels
12½ inch Adapted for Use in 28 inch Wheels
One Thousand in a Box
We Do Not Break Boxes
NOTE—When Ordering, be Careful to State Length Desired.

NIPPLE WRENCHES

VICTOR

	Per Dozen
No. 102V—Nickel Plated Knurled Head, 1⅞ inch Diameter; Fits Any Nipple. Weight per Dozen, 14 ozs.	$2 00

One Dozen on an Easel Back Display Card.



PERFECT

Drop Forged Steel Case; Hardened; Fits Any Nipple.

	Per Dozen
No. 1P—Small Bicycle Size, 3 inches; Weight, 2 oz.	$18.50
No. 2P—Large Bicycle Size, 3⅝ inches. Weight 3 ozs.	19 80
No. 3P—Small Automobile Size, 3⅝ inches. Weight 6 ozs.	24 50

Twelve in a Box

For Ordinary Use Has No Equal; Bright Tinned Finish.

	Per Dozen
No. 76—Weight per Dozen 1 lb	$1 10

One Dozen in a Box

NIPPLE WASHERS

	Per 1000
No. 1—Regular Standard; Saw Teeth. Weight per 1000, 18 oz.	$1 30
No. 2—Regular Standard Plain; Weight per 1000, 18 ozs.	60

One Thousand in a Box

BICYCLE CYCLOMETERS

VEEDER

Veeder Cyclometers are as Accurately Made as Watches, but Contain No Springs to Cause Trouble. They are Dust and Water Proof and Cannot Skip. Neither Can They Register Too Much; The Crystals are Clear and Thick. When in Use the Record Can be Read Easily from the Saddle. Every One is Thoroughly Tested at the Factory.

REGULAR

	Each
No. VR—Registers Mileage Up to 10,000, Then Automatically Commences Again; Full Nickel Plated. Can be Attached to Any Bicycle; Weight, 4 ozs.	$2 20

One in a Box, Twelve in a Carton

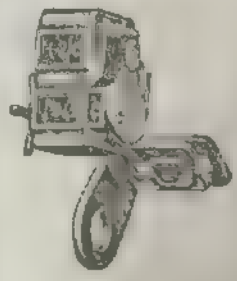
The Figures in Black Indicate Miles; the Figures in Red Indicate Tenths of a Mile

TRIP

	Each
No. VT—The Large Dial Registers the Total Mileage Up to 10,000; the Small Dial Registers the Trip Mileage Up to 1,000. After Registering a Total of 10,000 Miles it Automatically Commences Again. Full Nickel Plated. Can be Attached to Any Bicycle; Weight, 4 ozs.	$4 50

One in a Box, Twelve in a Carton

MOTORCYCLE CYCLOMETERS



VEEDER

Veeder Cyclometers are as Accurately Made as Watches, But Contain No Springs to Cause Trouble; They are Dust and Water Proof and Cannot Skip, Neither Can They Register Too Much. The Crystals are Clear and Thick; When in Use the Record Can be Read Easily From the Saddle. Every One is Thoroughly Tested at the Factory.

The Figures in White Indicate Miles; the Figures in Red Indicate Tenths of Miles.

Made Larger and Stronger than the Regular Bicycle Cyclometer, to Withstand the Harder Usage to Which a Cyclometer is Subjected to on the Motorcycle.

Furnished Complete with Adjustable Steel Bracket, Nickel Plated Which Can be Adjusted to Fit Any American or Foreign Motorcycle; Also Extra Heavy Striker for Motorcycles.

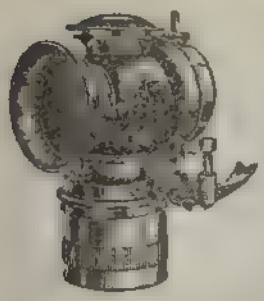
	Each
No. VM—For 28 Inch Wheels. The Large Dial Registers the Total Mileage Up to 10,000, the Small Dial Registers the Trip Mileage Up to 1,000; After Registering a Total of 10,000 Miles it Automatically Commences Again; Full Nickel Plated; Can be Attached to Any Motorcycle; Weight, 4 ounces	$5 00

One in a Box; Twelve in a Carton

✣NOTE—Special Model for Harley Davidson Machines, Also for 24 and 26 inch Wheels Can be Furnished by Shipping Direct From Factory, Hartford, Conn., at Same Price as the Regular No. VM Motorcycle Cyclometer.

BICYCLE GAS LAMPS

SOLAR MODELS



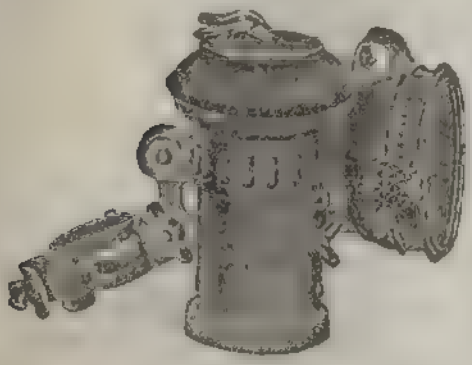
Shipp Bracket

Handsome in Design and Finish; Mechanically Perfect and Thoroughly Well Made from Heavy Gauge Sheet Brass, Nickel Plated and Polished; Height, 7 inches; Double Convex, 2¾ inch Lens; 1½ inch Red and Green Jewel Side Lights; Carbide Pot with Capacity of 3 ounces of Carbide and ¼ pint of Water; Sufficient to Burn 6 Hours.

Each

No. 18SG—With Shipp Bracket; Weight Each, 2½ lbs..... **$3.50**
One in a Box

AUTOMATIC

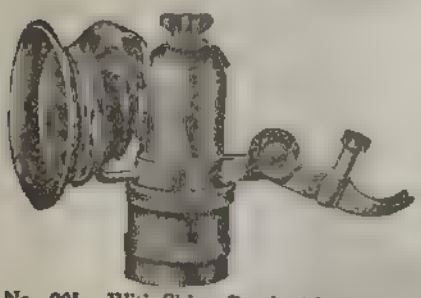


Nickel Plated Over Brass; Powerful Double Convex Lens; Improved Fish Tail Type; Removable Burner, Gas Valve for Regulating Flame or Turning Out Entirely; Patent Water Distributor Allows Carbide Charge to be Used Repeatedly Until Exhausted, Self-Cleaning Water Valve, Parabolic Reflector, Combination and Head Bracket.

Each

No. 30CG—With Bracket; Height Over All, 6¼ inches, Diameter of Face, 3¼ inches; 2½ inch Lens; Weight Each, 2 lbs..... **$5.80**
One in a Box

LIBERTY



Nickel Plated Brass; Heavy Convex Lens; Powerful Reflector, and Projects a Very Bright Light; Brass Needle Valve for Regulating Water Flow; has Standard Bayonet Lock Carbide Pot Retaining Device

Each

No. 20L—With Shipp Bracket; Height Over All, 6 inches; Weight Each, 2¼ lbs..... **$4 60**
One in a Box

BICYCLE OIL LAMPS

Light Weight

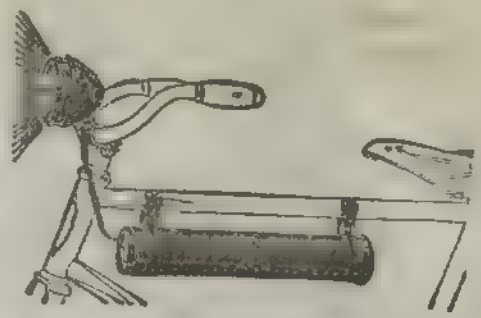
Light Weight Lamps Are Made of Sheet Steel; Heavily Nickeled and Polished; Height 5½ inches; 2½ inch Convex Lens; Red and Green Side Jewels; Burns About 10 Hours.

Each

No. 50LO—Weight Each, ¼ lb..... **$2.50**
One in a Carton

BICYCLE LIGHTING OUTFITS

DELTA



TWO-CELL

This Light is of a Graceful Size and Shape; Contains a Special Polished Reflector, Designed to Throw a Powerful Searchlight.

Contains a Special Delta Bulb Carefully Tested Before Being Shipped.

Has a Special Headlight Clamp Designed to Hold the Light Steady.

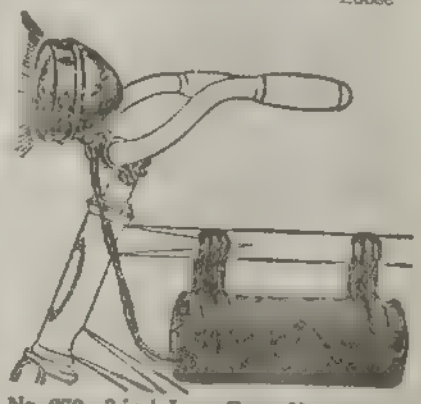
An Ordinary Wire Connection Eliminating the Troublesome Edi-swan Screw Connection; Special Switch has Been Placed on Battery Case to Eliminate All Mechanism on the Lamp Proper; Case Holds Two Batteries.

Per Dozen

No. 280—Lens About 3 inches in Diameter; Extra Heavy; Weight per Dozen, 21 lbs..... **$54 00**
One in a Carton

Each

No. 280B—Extra Bulbs for Bicycle Lamp, No. 280..... **$0.30**
Loose



ONE CELL

Same as No. 280 Except Has a One Cell Battery Case.

Per Dozen

No. 270—3 inch Lens, Extra Heavy; Weight per Dozen, 21 lbs.... **$48.00**
One in a Carton

Each

No. 270B—Extra Bulbs for Bicycle Lamp, No. 270..... **$0.30**
Loose

REAR REFLECTOR

A Bull's Eye of Diamond-Cut Ruby Glass; Reflects the Light of Any Overtaking Vehicle; as Powerful as Any Ordinary Electric Tail Lamp.

Per Dozen

No. 24—Weight per Dozen, 1¼ lbs..... **$6 00**
One Dozen in a Box

KEEP YOUR STOCK COMPLETE BY ORDERING BY MAIL. THE SHAPLEIGH MAIL ORDER DEPARTMENT IS AS PERFECT IN ITS WORKING AS ANY EVER DEVISED. BUY OFTEN, TO THE END THAT YOUR INVESTMENT MAY COVER THE WIDEST POSSIBLE RANGE OF LINES. THE MOST EFFICIENT AND ECONOMICAL WAY TO DO THIS IS TO ORDER FREQUENTLY FROM THIS BOOK BY MAIL.

LAMP BURNERS

FOR MOTORCYCLE LAMPS

American Made of German Lava Imported from Mines in Bavaria; the Only Material that Can be Used When the Highest Efficiency and Accuracy is Expected.

Per Dozen

No. 108⅜—⅜ foot Knurled Pillar.....$4 00

One Dozen in a Box; Weight, About 4 ozs.

FOR BICYCLE LAMPS

For All Makes of Bicycle Gas Lamps; These Parts Burn Out in a Short While, Therefore it is Well to Carry a Stock of Them to Satisfy Those Customers Who Think Their Lamp is Defective When in Reality Their Lamp Tip is Clogged Up.

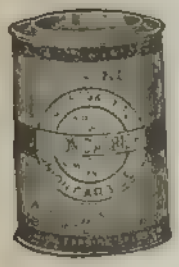
Per Dozen

No. 100—Weight per Dozen, 1 oz.....$1.50

Loose

CALCIUM CARBIDE

UNION



For Generating Gas for All Kinds of Acetylene Gas Lamps; It is Safe, Clean and Portable.

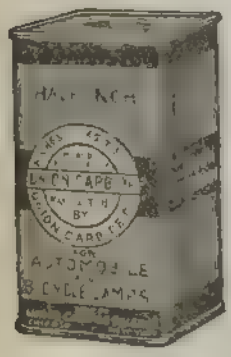
IN 2 POUND CANS

Per Can

No. 2½—⅛ inch Size for Bicycle Lamps.....0 40

No. 2M—Miners Lamp Size.....40

24 Cans in a Case; Weight per Case 65 lbs.



IN 10 POUND CANS

Per Can

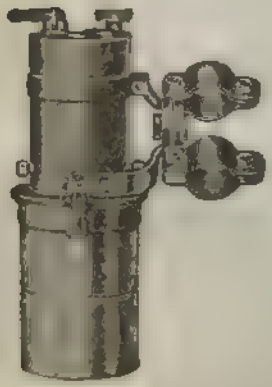
No. 10½—⅛ inch Size for Bicycle Lamps..$1 75

No. 10M—Miners Lamp Size.....1.75

No. 101—1 inch Size for Automobile Lamps.....1 75

6 Cans in a Case; Weight per Case 75 lbs.

MOTORCYCLE GENERATORS



SOLAR

Nickel Plated

Seamless Upper and Lower Sections; Patent Adjustable Cam Lock Fastens Upper and Lower Tanks Securely Together; Rubber Gasket or Washer at Joint Formed by the Two Sections.

Each

✢No. 91—Single Generator; 8½ inches High; 3¾ inches Diameter; Carbide Capacity, 10 ozs.; Specially Designed and Constructed for Motorcycle Use; Has Solar Gas Generator Principle with An Added Needle Valve Giving Perfect Control of Water Feed; Screen in Carbide Cup to Separate Used Carbide and Simplify Cleaning; Weight, 2 lbs., 12 ozs.....$13.50

FEDERAL MAZDA LIGHT BULBS

500% More Candle Power than Old Style Carbon Filament Bulbs.

FLAT TYPE

For Flashlights

		Each
No. 1—2.2 Volts; For Flashlight No. 21	$0.30	.15
No. 2—3.8 Volts; For Flashlight No. 22...	.30	.15

ROUND TYPE

		Each
No. 11—3.8 Volts; For Flashlights Nos. 212, 312, 232, 332, 12; Can Also be Used in Same Flashlights as No. 16.....	$0.30	.15
No. 16—2.5 Volts; For Flashlights Nos. 215, 315, 415, 515, 225, 325, 425, 525.....	.30	.15
No. 17—3.8 Volts; For Flashlights Nos. 220, 320, 420, 520 230, 330, 430, 530, 235, 335, 120.....	30	.15
No. 13—3.8 Volts; For Focusing Type Flashlights.....	.40	.20

ROUND TYPE

For Dry Battery Lamps

		Each
No. 19—1.25 Volt; For Bicycle Lighting Outfits No. 270, or All Lamps Taking One Dry Cell Battery.....	$0 30	.15
No. 35—2.4 Volts; For Flashlanterns Nos. 1D, 10D, and Bicycle Lighting Outfits No. 280 or All Lamps Taking Two Dry Cell Batteries.....	.30	.15

A Unit Package Quantity is 10 Lamps of the Same Mazda Number or Specification.

A Standard Package Quantity is 100 Lamps of the Same Mazda Number or Specification

IN ASSORTMENTS

In Handsome Display Carton 15x7¼x 1¾ inches, On the Cover of Which is An Illustration and Reference Guide for Every Style of Flashlight and Battery Lantern Made. Dealer Can Refer to This Guide When Customer Submits Flashlight and Immediately Select Proper Bulb.

Per Assortment

No. BA100—Consisting of 100 Bulbs; Assorted for All Styles and Makes of Flashlights and Lanterns, Weight, 12 ozs.....$20.00 15.00

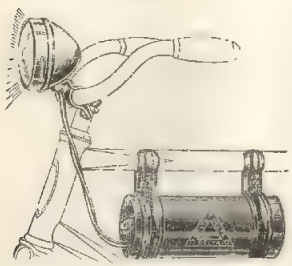
PROPER BUYING IS A SERVICE YOU OWE YOUR TRADE. MAIL ORDERS MAKE IT EASY.

YOU CAN'T DO BUSINESS ON THE GOODS YOU HAD YESTERDAY. THE STOCK MUST BE KEPT UP. USE THE MAIL OFTEN.

Items Marked ✢ Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory

ELECTRIC BICYCLE LAMPS

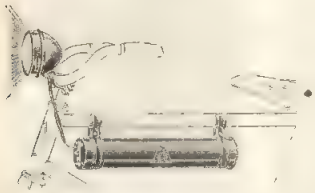
DELTA



A high grade electric bicycle lamp. The case is made of cold rolled steel, finished in black gloss enamel, making it water, acid and weatherproof. Fitted with tungsten wire bulb and silvered lens. Silvered reflector, protected by drawn steel case. Uses common 6-inch dry battery. Complete with instructions for wiring, less battery.

No.	Diameter lens	Wt. each	Each
27	3¼ in.	2¾ lbs	$3.20

One in a package, twelve in a carton.

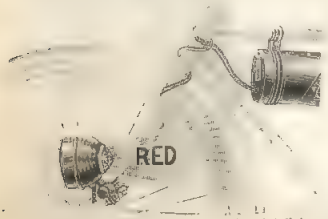


Same as No. 27, except battery case holds two 6-inch dry batteries. Complete less battery.

No.	Diameter lens	Wt. each	Each
28A	3¼ in.	2¾ lbs	$3.50

One in a package; twelve in a carton.

COMBINATION HEAD AND TAIL LAMPS



Same as No. 27, except complete with head and tail lamps, less battery.

No.	Diameter lens	Wt. each	Each
28	3¼ in.	2¾ lbs	$3.50

One in a package; twelve in a carton.

MOTORCYCLE REAR LIGHTS

Reflects the light of any overtaking vehicle. As powerful as the ordinary electric tail lamp. Made of diamond cut red glass, silvered on the back. Finished in nickel plate.

	Diameter lens	Wt. each	Each
Motorcycle Rear Lights	1½ in.	3 ozs.	$0.40

Twelve on a counter display card.

BICYCLE WHISTLES

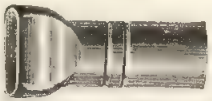
UNIVERSAL

Nickel plated brass tubes. Flat mouthpiece. Steel chain and hook.

No.	Length	Wt. per doz.	Per doz.
1	3⅞ in.	¾ lb.	$4.75
3	2¼ in.	½ lb.	4.00

One dozen in a box.

DEVELINE



Nickel plated brass tube. Flattened mouthpiece.

No.	Length	Wt. per doz.	Per doz.
151	2 in.	¾ lb.	$3.50

One dozen in a box.

ECHO CALL

Nickel plated

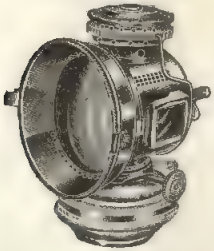
No.	Size	Wt. per doz.	Per doz.
620	1½ in.	8 ozs.	$4.00

One dozen in a box.

BICYCLE LAMPS

OIL

TWENTIETH CENTURY

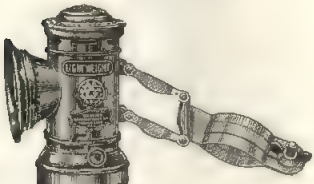


Brass, nickel plated. Convex lens. Red and green sidelights.

No.	Burns	Diam. lens	Height	Wt. each	Each
1	12 hours.	2¾ in.	6½ in.	1¼ lbs.	$4 00

One in a carton

LIGHTWEIGHT



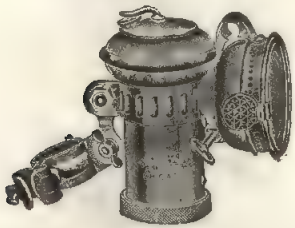
Sheet steel, heavily nickel plated. Piano convex hinged lens. Green and ruby sidelights. Highly polished reflector.

	Burns	Diam. lens	Height	Wt. each	Each
Lightweight	10 hours	2½ in.	6 in.	1 lb	$2.10

One in a carton

CARBIDE

COLUMBIA



Brass, nickel plated. Automatic water feed. Powerful double convex lens. Improved fish tail type removable burner. Gas valve for regulating flame. Parabolic reflector, and combination and head bracket.

	Burns	Diam. lens	Height	Wt. each	Each
Columbia Gas	6 hours	2¾ in.	6½ in.	2 lbs.	$6.00

One in a carton.

CARBIDE

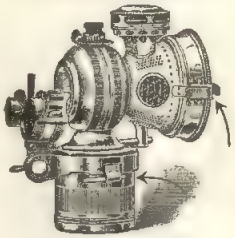
SOLAR

Cannot jar or blow out. Heavy brass, nickel plated. Has removable aluminum reflector. Double convex front lens. 1½-inch ruby and green jewel sidelights. Furnished with No. 1 Shipp lamp bracket, unless otherwise specified

	Burns	Diam. lens	Height	Wt. each	Each
Solar	5 hours	2⅝ in.	7 in	2¾ lbs	$6 00

One in a carton.

TWENTIETH CENTURY

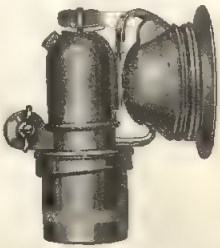


All brass, nickel plated. Carbide capacity, 5 ounces. ¼-foot burner. Parabolic reflector. Combination head and fork bracket

No.	Burns	Diam. lens	Height	Wt. each	Each
2	6 hours	3½ in.	7 in.	1½ lbs.	$5 00

One in a carton

LIBERTY



Especially designed and perfected to meet the demand for a popular priced quality lamp. Is made entirely of brass, highly polished and nickel plated. Has a large, finely polished reflecting surface with a convex front lens. Complete with Shipp bracket.

	Burns	Diam. lens	Height	Wt. each	Each
Liberty	5 hours	3 in.	6 in.	1¾ lbs.	$4 50

One in a carton.

✠BICYCLE NAME PLATES

These Plates are Made from the Best Grade Material and the Highest Class of Dies. The Plating and Finishing are Unexcelled for the Reason That Our Appliances and Workmanship are Set to the Highest Possible Standard of Excellence, Uniformity and Neatness.

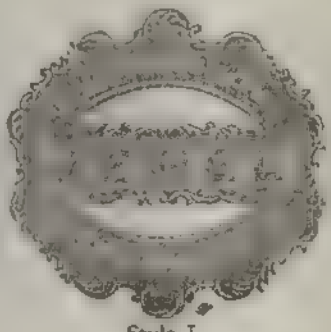
FINISH:—Gold Plate; Silver Plate; Oxidized Silver; Bronzed and Shaded.

Style M
One of the Latest Designs, Very Neat and Attractive; Looks Well on Any Bicycle.

Style L
Another New and Attractive Design; Especially Attractive on a Short Head Machine.

Style E
A Very Small Shield Especially Attractive on a Short Head Bicycle.

Style N
A Very Artistically Modeled Plate; One of Our Most Exclusive Patterns



Style J
Another New and Attractive Design That Will Look Well in Any Finish

Style A
Another Neat and Attractive Plate with Modeled Border and Raised Letters.

Style G
A Very Neat and Simple Design Especially Intended for Machines with a Long Head.

25 Plates	$26.00
50 Plates	35 50
100 Plates	46 00
200 Plates	66 00
300 Plates	88.00

Weight per 100, About 3½ lbs.

EXTRA FOR GOLD PLATING

100 Plates	$12.30

EXTRA FOR NICKEL PLATING

100 Plates	6.00

EXTRA FOR ENAMELED NAME

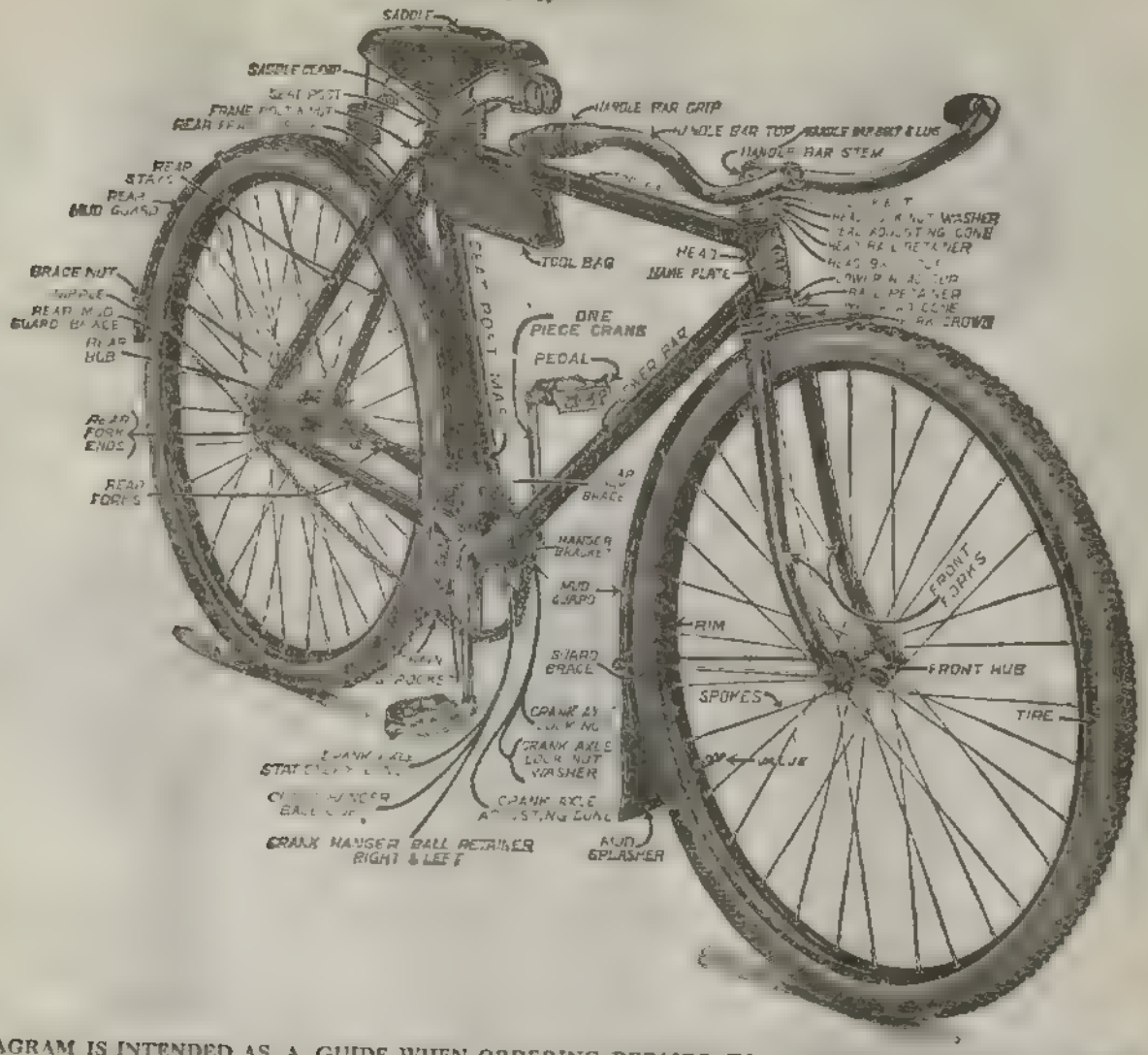
100 Plates	7.50

Loose

Items Marked ✠ Not Carried in Stock; Can Only Be Furnished By Shipping Direct From Factory

DIAGRAM OF BICYCLE WITH ALL COMPONENT PARTS INDICATED BY THEIR PROPER NAMES

"ORIGINATED BY US"



THIS DIAGRAM IS INTENDED AS A GUIDE WHEN ORDERING REPAIRS TO ANYONE NOT FAMILIAR WITH THE NAMES AND LOCATIONS OF THE DIFFERENT PARTS OF A BICYCLE. THE OBJECT IS ALSO TO AVOID LENGTHY DESCRIPTIONS OF PARTS WHEN ORDERING. THIS WILL BE A READY HELP TO THE DEALER, AND WILL SAVE MUCH TIME AND TROUBLE.

FOR COMPLETE LISTS OF PARTS FOR ALL MODELS OF OUR BICYCLES, GIVING NAMES AND NUMBERS, SEE PAGES 2431-2432

OPTIONAL NAME PLATES FOR TRADE USE
RUGBY, VASSAR, SHAPLEIGH SPECIAL, DIAMOND WONDER { NONPAREIL

BICYCLE GUARANTEE

We Agree with the Purchaser of Each Bicycle, to Make Good, By Repairs or Replacements, **When Delivered at Our Store, Transportation Prepaid,** Any Imperfection or Defect in Material or Manufacture of Our Rugby, Shapleigh Special and Wonder Bicycles **Not Caused by Misuse or Neglect.** Provided that All Imperfections or Defective Parts Shall be Referred to Us Before Any Claim for Repair or Replacement Shall be Allowed.

This Guarantee Continues in Effect to December 31st Following Date of Purchase.

TIRE GUARANTEE

We Guarantee Speed, Rugby, Good Service and Shapleigh Special to be Perfect in Workmanship and Material, and if Any Defect Should Develop Within the Season in Which They are Purchased of Us We Will Repair or Replace Without Charge, Provided that They are **Returned to Us Charges Prepaid.** This Guarantee Does not Cover **Punctures, Damages or Torn Valve Stems Caused by Accident or Negligence** of the Rider.

This Guarantee **Expires in Any Event on December 31st, of the Year in Which They are Purchased.**

Factory Brand Tires are Guaranteed by the Manufacturers, and are Subject to the Same Conditions, Except They Must be Returned, **Charges Prepaid, Direct to the Factory That Made Them,** for Their Inspection and Approval.

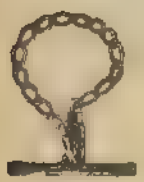
HAND CUFFS

Nickel plated, detective, swivel connection, w't 14 oz.

No. 27—Polished ...per pair $5.00

No. 28—Nickel plated, per pair $7.50

TWISTERS AND NIPPERS

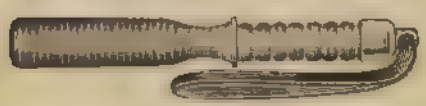


No. 24—Nickel plated, handles inter-locked, w't 3 oz., per dozen..$18.00

No. 20—Nickel plated, w't 4½ oz., each $1.35

No. 21—Automatic, self-closing and locking, w't 7 oz., each $3 40

BISSELS POLICE CLUBS



These clubs are made of sole leather, and brought together under a heavy pressure over steel wires, cemented and riveted, and covered with the same material, securing a perfect surface without break or seams and very slightly elastic. They are the most effective clubs in use.

Nos.	10	12	14
Length, in.,	10	12	14
W't, each ,oz.	7	12	16
Each	$3 00	3 50	4 00

STARS

No. P20—Six point, 3½ in with word "Police" enameled .....each $2.60

No. P30—Five point, officers' German silver, finely nickel plated, engraved "City Marshal" or "Chief of Police," as desired, each $2.60

No. P15—Six ball point, officers', German silver, finely plated, engraved "City Marshal," each $2.70

The No. P15 will be engraved "City Marshal" only, at our regular price. For any other wording add 33⅓% to the price.

All stars have strong safety pins. Special designs of stars or badges can be furnished on short notice.

MARBLE'S SAFETY POCKET AXES

No. 5—Polished steel axe, 10½ in. hickory handle, blade 4½ in., nickel plated hinged spring guard, the head is designed for driving spikes or stakes, w't 16 oz., per doz. $34.30

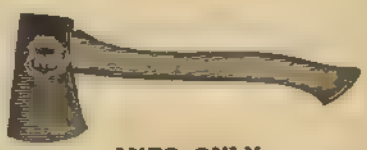
See Page 1984 For Full Line Of Police Holsters and Belts.

MARBLE'S SAFETY POCKET AXES

No. 2—Polished steel, axe, 11 in. nickel plated steel handle, 4 in. blade, engraved hard rubber plates, nickel plated steel hinged spring guard, w't 20 oz., per dozen $55.70

HALF DOZEN IN A BOX

[illegible] BOY SCOUT AXES



AXES ONLY

No. 28 [illegible]—Hand forged, black gun metal finish, one-piece highest grade crucible steel, with nail slot, with 14½ in. select white hickory handles, shaped, without sheath or belt, w't 1 lb., 3 in cut, w't per doz. 16 lbs. .....per dozen $22.00

AXE WITH SHEATH

No. 28S [illegible]—Axe, as above, with No. 1½ sheath, without belt, per dozen $28 00

AXE WITH BELT AND SHEATH

No. 28BS [illegible]—With No. 1½ sheath and No. 10 belt, per dozen $32.00

HALF DOZEN IN A BOX

[illegible] ONLY

Select brown leather sheaths, with belt loops, and nickeled snap catch, but without belt, w't per doz. about 1½ lbs.

No. 1½—Will fit any of our Scout or Camp axes .....per dozen $6.00

[illegible] ONLY

Select black leather belts, 1 in. wide, nickeled steel buckle, for use with above sheaths.

No. 10—Lengths 30 in., w't per doz. 1½ lbs. .....per dozen $4.50

MANY-USE OIL

No. 1780.

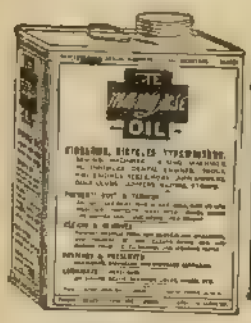
No. 1781.

BOTTLES

No. 1780—Capacity 1 oz., w't per doz. 3½ lbs. .....per dozen **$1.70**
ONE DOZEN IN A BOX

CANS

No. 1781—2 oz., handy oiler, convenient pocket size, reversible spout, w't per doz. 2 lbs.,
per dozen **$3.40**
ONE DOZEN IN A BOX



No. 1783.

No. 1782.

No. 1783—**½ gal.**, w't per doz. 51 lbs., per dozen **$36.00**
LOOSE

No. 1782—**3 oz.**, handy oiler, pocket size, w't per doz. 4 lbs.,
per dozen **$4.00**
ONE DOZEN IN A BOX

Hibbard Hardware for Hard-Wear

MATCH SAFES

No. 2Q — Marble's, pocket, waterproof, nickel plated drawn brass, size 2¼×⅞ in. .....per dozen **$10.30**

No. 398D — Miner's, 1 3/16×2¾ in., waterproof, seamless heavy brass, nickel plated .....per dozen **$2.10**

No. 840D—1¼×2¾ in., heavy brass, nickel plated, strong spring,
per dozen **$3.80**

ONE DOZEN IN A BOX

COMPASSES

No. 21—Marble's, 1¼ in. stationary dial, nickel plated, jeweled, with safety pin attachment to fasten to coat or belt .....per dozen **$25.70**

No. 23—Leed-awl case of untarnishable metal made of nickel, copper and zinc, needle of properly tempered steel, carefully magnetized, dial of untarnishable silvered metal, diameter 1¾ in., w't per doz 14 oz.,
per dozen **$18.00**
ONE DOZEN IN ATTRACTIVE COUNTER DISPLAY CASE

No. 25—Boy Scout, 1¾ in. aluminum slip cover case, metal disc dial, w't per doz. 6 oz. .....per dozen **$6.00**
ONE DOZEN IN A BOX

Has a dial of enameled card accurately divided and figured. Needle is of special steel, carefully magnetized and fitted with a jeweled center.

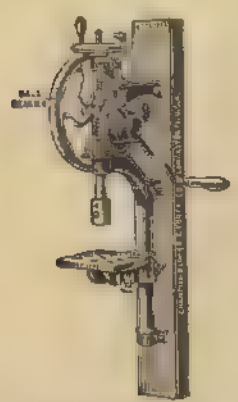
No. 24—Telway, case is brass finished in black bronze, diam. 1¾ in, thickness ⅝ in., has a heavy beveled crystal that serves as a cover making it practically dust and waterproof, w't per doz 9 oz.,
per dozen **$13.50**
ONE DOZEN ON A CARD

POST DRILLS

This drill has points of simplicity never found on a drill before at this price.

No. W97—Champion automatic self-feed and propeller wheel hand feed and quick return, two speeds, quick acting, end thrust ball bearings ground from solid metal, drills to center of 16½ in. circle and holes from 0 to 1¼ in., lathe turned slotted table, 1¼ in. spindle, 5½ in. up-and-down run, spindle takes ½ in. straight shank bits, w't 175 lbs., each $43 00

No. F97½—With tight and loose pulleys, 6 in. diam., 2 in. face for power, speed 250 R. P. M., w't each 180 lbs.★ .....each $49.10



No. W91—Champion, two speed ball bearing, full automatic self-feed, blacksmith's, with end thrust ball bearing cups and cones of tool steel, drills to center of a 14½ in. circle, bores holes up to 1 in., 1½ in. spindle up-and-down run of 3 in., spindle bored like "Never-Slip" chuck to take in ½ in. straight shank drill bits, slotted lathe turned table, w't 110 lbs. .....each $21.50

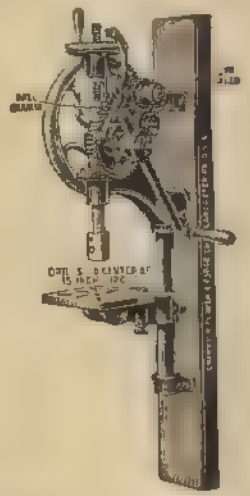
CHAMPION ball bearing, self-feed blacksmiths', made of best material bearings ground from solid metal, steel spindle bored like "Never - Slip" chuck, 3 in. up-and-down run, single speed, with back gear slotted lathe-turned table.

No. W101—⅞ in. spindle drills to center of 12 in. circle, holes from 1/64 to ¾ in., for ½ in. straight shank drills, greatest distance from table to spindle 8½ in., w't each 80 lbs., each $17.00

1 in. spindle drills, to center of 14 in. circle, holes from 1/64 to 1 in., greatest distance from table to spindle 10 in., w't each 100 lbs.

No. W98—For ½ in. straight shank drills .....each $20.20

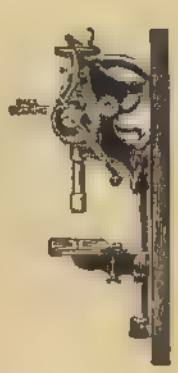
No. W198—For 41-64 in. straight shank drills .....each $20.20



This drill has a third gear to give the second speed the same turning direction of the crank as the first speed, and full back gears with two speeds to the crank.

No. W195—Champion, ball-bearing full automatic self-feed, blacksmiths', with cups and cones of tool steel, drills to center of a 15 in. circle, drills holes up to 1½ in., 1½ in. spindle, up-and-down run of 3½ in., spindle bored like "Never-Slip" chuck to take in ½ in. straight shank drill bits, slotted lathe turned table, greatest distance from table to spindle 10 in., w't 120 lbs., each $29.80

Drill Bits Not Included With Drills.

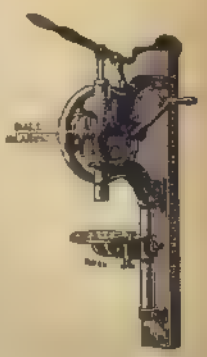


No. W93½—Champion, self feed, blacksmiths', made of best material, bearings ground out of solid metal, 1½ in. steel spindle bored like "Never-Slip" chuck, for ½ in. straight shank drills, 8 in. up-and-down run, drills to center of 15 in. circle, holes from 1/64 to 1¾ in., 2 speeds, full back gear, w't 115 lbs., each $26.60

No. F94—With tight and loose pulleys, 6 in. in diam., 2 in. face for power, speed 250 R. P. M., w't 120 lbs.★ .....each $36.70

This tool is designed for light and quick work, where tire drilling and counter-sinking is an object.

Our stock on above drills have spindles bored to take ½ in. straight shank drill bits. If specially ordered from factory, will be bored to take 41/64 in.



No. W100—Champion, lever feed blacksmiths', made of best material, bearings ground out of solid metal, steel spindle bored like "Never- Slip" chuck for ½ in. straight shank drills, 4½ in. up-and-down run, drills to center of 14 in. circle, holes up to ¾ in., with back gear, slotted lathe turned table, w't 110 lbs., each $22.80

BALL-BEARING POST DRILL

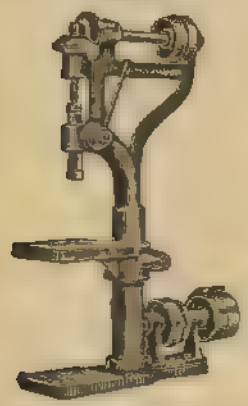
CHAMPION, ball bearing, hand feed, made of best material, bearings ground out of solid metal, ⅞ in. steel spindle bored like "Never-slip" chuck, 8 in. up-and-down run, drills to center of 12 in. circle, holes from 1/64 to ½ in., slotted lathe turned table, greatest distance from table to spindle 8 in., w't 50 lbs.

No. W92—For ½ **in.** straight shank drills . . . . . each $12 00

No. W92—For 41-64 **in.** straight shank drills . . . . . each $12 00

ONE IN A CRATE

CHAMPION POWER BENCH DRILL



The Champion No. 0 Power Bench Drill represents a powerful and well-built Power Bench Drill with every detail for completeness in design and workmanship taken into consideration. The top of the drill base is planed off to use as a table when the regular drill table is turned to one side, thus giving a space of 16 in. between the spindle and base-table. The upper cone pulley is between two bearings, thus equalizing the strain. Countershaft is supplied with belt shift on tight and loose pulley and feed lever is manipulated with spring arrangement to at all times automatically keep lever and bit up and out of work.

No. F0—Drills to center of a 9 in. circle. Bores holes up to 5/16 in. in diam. Up-and-down run of spindle 3½ in., up-and-down run of table 9 in., greatest distance from table to spindle 10 in., greatest distance from planed base to spindle 16 in., size tight and loose pulleys 4x1½ in., size of large cone pulley 4½x1½ in., size of small cone pulley 3x1½ in., spindle is bored with No. 1 morse taper hole, height 32 in., w't 115 lbs., each★ $50.70

ONE IN A CRATE

BALL-BEARING BENCH DRILLS

Particularly adapted for light automobile or bicycle repair work.

Strong and well built, for light accurate and rapid drilling. Driven exclusively by belt and with the aid of cone pulleys two separate speeds can be had. Countershaft has belt shifter on the tight and loose pulley and feed lever can be returned without affecting position of belt by a patent device in feed lever hub. The best possible drill and one guaranteed in every respect.

No. F50—Champion, sensitive bench drill, with Champion chuck, double flange top cone, table swings 180° horizontally, end thrust ball bearing, adjustable spindle stop, spindle has 2½ in. up-and-down run, table has 7 in. up-and-down run, diam. of table 8 in., drills to center of 10 in. circle, drilling capacity ½ in., size of tight and loose pulley 4x1½ in., height 27½ in., speed of driving pulley 550 R. P. M., w't 90 lbs., each★ $45 60

NEW PATENT TIRE BENDER

NEW PATENT TIRE BENDER

Its adjusting roll has an adjusting screw at each end, with a graduated indicator and double back gear, and worked with two cranks and two speeds, one for light and fast work and the second for heavy work. The center roll pulls out to take the tire cut.

No. F2—Champion, will bend any size up to 3x¾ in., w't 120 lbs., each★ $31.70

ONE IN A CRATE

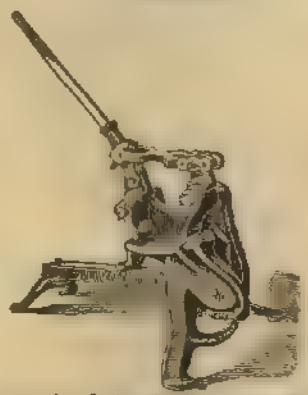
CHUCKS

CHAMPION IMPROVED 3-JAW ADJUSTABLE

Ball-bearing, hand adjustable. Accurate, self-centering, simple and positive in operation.

	Each.
No. F3—Champion 3-jaw **chuck,** 0 to ½ in., adjustable★	$8.00
No. F00—½ **in .arbor,** for No. 3 chuck★	1.30
No. F000—41-64 **in. arbor,** for No. 3 chuck★	1.30
No. F1—Morse tapor arbor★ . .	2.00
No. F2—Morse taper arbor★ . .	2.00
No. F3—Morse taper arbor★ . .	2.00
No. F4—Morse taper arbor★ . .	3.20

CHAMPION MOLE TIRE SHRINKER



Guaranteed to work correctly and is recommended only where lowest priced shrinker is desired. Built of first-class material and workmanship throughout and furnished with and without Anti-Kinking attachment.

No. F1—Will shrink tires, 2½x¾ in., w't 115 lbs.★ . . . . each $22.20

No. F2—Will shrink tires, 3x¾ in., w't 215 lbs.★ . . . . . each $33.40

No. F3—Will shrink tires 4x¾ in., w't 290 lbs.★ . . . . . each $40.00

No. F4—With Anti-kinking device, will shrink tires 3x¾ in., w't 240 lbs., each★ $34.80

No. F5—With Anti-kinking device, will shrink tires 4x¾ in., w't 315 lbs., each★ $41.80

ONE IN A CRATE

★ **Items Marked Thus ★ Are Shipped From Factory Only.**

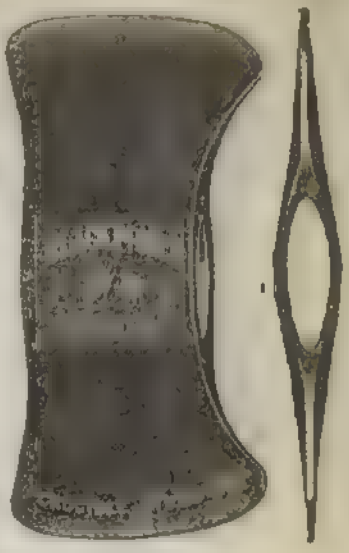
DOUBLE BIT AXES

★BLACK PRINCE

Hand Made; Dead Black Finish; Labeled

Black Prince Axes are Hand Hammered, **Hand Tempered and Hand Whetted.** The Bits are Made of Highest Grade, Crucible Steel, Drawn Shin and **Tempered Hard** to a Fine Cutting Edge. Soft Steel Body The **Eye is Punched** from Solid Steel and will not Stretch nor Break, as Occurs with Axes having a Rolled or Welded Eye. **The Eye is Tapered** [illegible] to the Inner Opening: this Holds the Handle Firmly and Prevents it Splitting.

In Ordering Axes on this Page, Give Numbers and Weights Only



UNHANDLED

No. BP850—WESTERN PATTERN
Wide Bits

Weights, Assorted	3/4	3½/4½	4/5	4½/5½
Per Dozen	$32 00	33.00	34 00	35 00

No. BP875—MICHIGAN PATTERN
Wide Bits—Narrow Body

Weights, Assorted	3/4	3½/4½	4/5
Per Dozen	$32 00	33 00	34 00

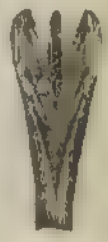
One Dozen of Each Assortment of Weights in a Box; Average Weight per Box 55 lbs.

HANDLED

DIAMOND EDGE Axe Wedge Used in All of Our Handled Axes.

WESTERN PATTERN—(AXE No. BP850)

Wide Bits



Cut Shows Wedge Driven in Handle and Handle Pulled Open to Show Binding Effect Produced by Action of the Wedge.

Kind of Handle	Weights, Assorted	3/4	3½/4½	4/5	4½/5½
No. BP850AA —With No. AA Norleigh Diamond Octagon	Per Dozen	$41 50	$42 50	$43 50	$44.50
No. BP850XAA —With No. XAA Norleigh Diamond Octagon	"	42 50	43 50	44 50	45 50
No. BP850BB —With No. BB Norleigh Diamond Oval	"	41 50	42 50	43 50	44 50
No. BP850CC —With No. CC Favorite Octagon	"	41 00	42 00	43.00	44 00
No. BP850DD —With No. DD Favorite Oval	"	41 00	42 00	43.00	44 00
No. BP850EE —With No. EE Tip Top Octagon	"	40 00	41 00	42 00	43 00
No. BP850FF —With No. FF Tip Top Oval	"	40 00	41 00	42 00	43 00
No. BP850LL —With No. LL Mound City Oval	"	38 50	39 50	40 50	41 50
No. BP850LLO—With No. LLO Mound City Octagon	"	38 50	39 50	40.50	41 50
No. BP850LOD—With No. LOD Live Oak Oval, Oak	"	40.00	41 00	42.00	43 00

One Dozen of Each Assortment of Weights in a Crate; Average Weight per Crate 75 lbs.

DIAMOND EDGE Axe Wedge Used in All of Our Handled Axes.

MICHIGAN PATTERN—(AXE No. BP875)

Cut Shows Handle Broken Open to Show the Two Round Slivers Cut by Wedge.

Kind of Handle	Weights, Assorted	3/4	3½/4½	4/5
No. BP875AA — With No. AA Norleigh Diamond Octagon	Per Dozen	$41.50	$42.50	$43 50
No. BP875XAA — With No. XAA Norleigh Diamond Octagon	"	42.50	43.50	44 50
No. BP875BB — With No. BB Norleigh Diamond Oval	"	41 50	42.50	43 50
No. BP875CC — With No. CC Favorite Octagon	"	41 00	42 00	43 00
No. BP875DD — With No. DD Favorite Oval	"	41 00	42 00	43 00
No. BP875EE — With No. EE Tip Top Octagon	"	40 00	41 00	42 00
No. BP875FF — With No. FF Tip Top Oval	"	40 00	41 00	42 00
No. BP875LL — With No. LL Mound City Oval	"	38 50	39 50	40 50
No. BP875LLO — With No. LLO Mound City Octagon	"	38 50	39 50	40 50
No. BP875LOD — With No. LOD Live Oak Oval, Oak	"	40 00	41 00	42 00

One Dozen of Each Assortment of Weights in a Crate; Average Weight per Crate 75 lbs.

DOUBLE BIT AXES

★BLACK PRINCE

Hand Made; Dead Black Finish; Labeled

Black Prince Axes are Hand Hammered, Hand Tempered and Hand Whetted. The Bits are Made of Highest Grade Crucible Steel, Drawn Thin and Tempered Hard to Hold a Fine Cutting Edge. Soft Steel Body. The Eye is Punched from Solid Steel, and will not Stretch nor Break, as Occurs with Axes Having a Rolled or Welded Eye. The Eye is Tapered from the Outer to the Inner Opening; this Holds the Handle Firmly and Prevents it Splitting.

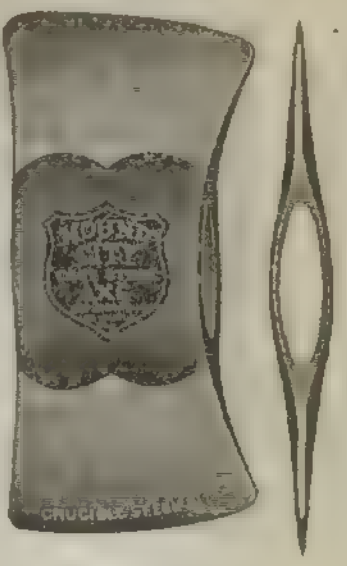
★MOUND CITY

MOUND CITY
TRADE MARK

Gold Bronzed and Labeled; Polished Bits

Tempered and Hardened Steel Bits, Carefully Ground and Sharpened; Soft Steel Body; Eye Punched from Solid Steel and Tapered from Outer to Inner Opening. The Eye will not Stretch nor Break, as Does a Welded Eye, and the Taper Holds the Handle Firmly and Prevents its Splitting.

A Very Satisfactory Axe for Chopping and Splitting Cord Wood.



In Ordering Axes on this Page, Give Numbers and Weight Only

UNHANDLED

No. BP950—CALIFORNIA REVERSIBLE PATTERN
Wide Bits

Weights, Assorted..	3/4	3½/4½	4/5	4½/5½
Per Dozen .	$32.00	33 00	34.00	35.00

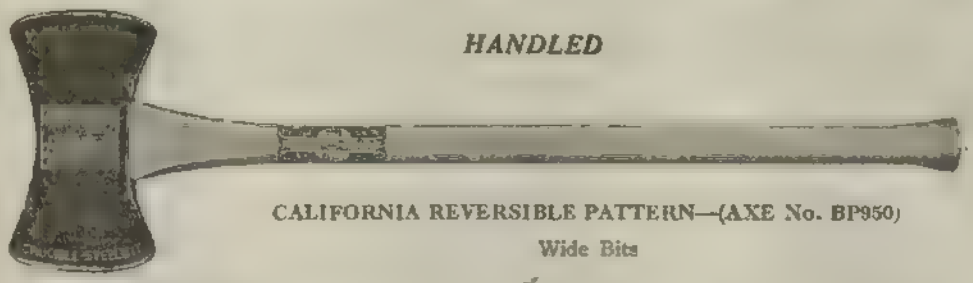
No. MC850—WESTERN PATTERN
Wide Bits

Weights, Assorted	3/4	3½/4½	4/5
Per Dozen.....	$24.00	25 00	26.00

One Dozen of Each Assortment of Weights in a Box; Average Weight per Box 55 lbs.

HANDLED

DIAMOND EDGE
Axe Wedge Used in All of Our Handled Axes.



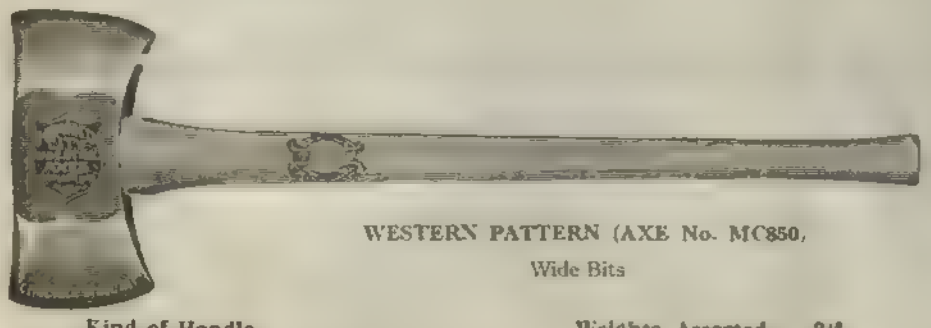
CALIFORNIA REVERSIBLE PATTERN—(AXE No. BP950)
Wide Bits

Cut Shows Wedge Driven in Handle and Handle Pulled Open to Show Binding Effect Produced by Action of the Wedge.

Kind of Handle	Weights, Assorted	3/4	3½/4½	4/5	4½/5½
No. BP950AA —With No. AA Norleigh Diamond Octagon.....	Per Dozen	$41.50	$42 50	$43.50	$44 50
No. BP950XAA—With No. XAA Norleigh Diamond Octagon.....	"	42.50	43 50	44.50	45.50
No. BP950BB —With No. BB Norleigh Diamond Oval.....	"	41.50	42 50	43.50	44.50
No. BP950CC —With No. CC Favorite Octagon.....	"	41 00	42 00	43.00	44.00
No. BP950DD —With No. DD Favorite Oval.....	"	41 00	42 00	43.00	44.00
No. BP950EE —With No. EE Tip Top Octagon.....	"	40 00	41 00	42.00	43.00
No. BP950FF —With No. FF Tip Top Oval	"	40.00	41.00	42 00	43.00
No. BP950LL —With No. LL Mound City Oval.....	"	38.50	39.50	40 50	41 50
No. BP950LLO—With No. LLO Mound City Octagon ...	"	38.50	39 50	40.50	41 50
No. BP950LOD—With No. LOD Live Oak Oval, Oak	"	40.00	41.00	42.00	43.00

One Dozen of Each Assortment of Weights in a Crate; Average Weight per Crate 75 lbs.

DIAMOND EDGE
Axe Wedge Used in All of Our Handled Axes.



WESTERN PATTERN (AXE No. MC850,
Wide Bits

Cut Shows Handle Broken Open to Show the Two Round Slivers Cut by Wedge.

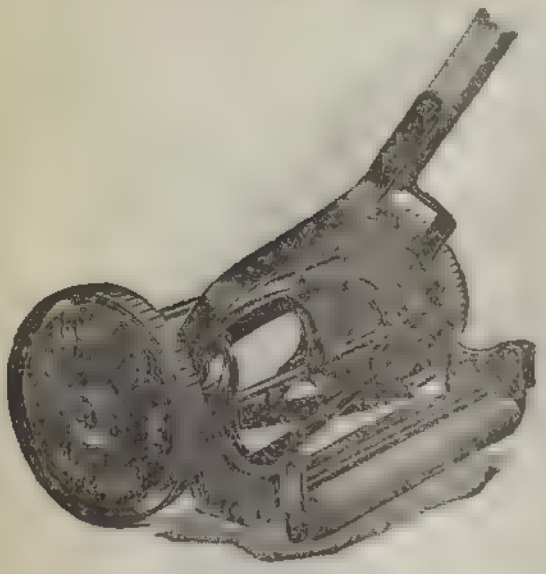
Kind of Handle	Weights, Assorted	3/4	3½/4½	4/5
No. MC850EE —With No. EE Tip Top Octagon	Per Dozen	$32 00	$33 00	$34 00
No. MC850FF —With No. FF Tip Top Oval.....	"	32 00	33 00	34 00
No. MC850LL —With No. LL Mound City Oval.....	"	30 50	31.50	32 50
No. MC850LLO—With No. LLO Mound City Octagon ...	"	30 50	31 50	32 50
No. MC850LOD—With No. LOD Live Oak Oval, Oak	"	32 00	33 00	34 00
No. MC850MM —With No. MM Southland Grade, Oval	"	29 50	30.50	31.50

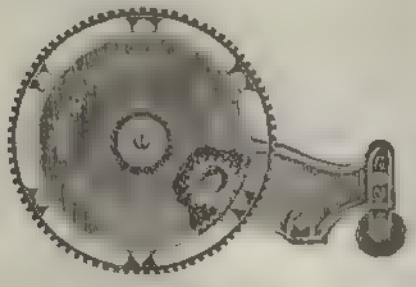
One Dozen of Each Assortment of Weights in a Crate. Average Weight per Crate 75 lbs.

LAWN MOWERS

★BOB WHITE

PLAIN BEARING





Double Gearing

Crucible Tool Steel Reel Knives; Malleable Iron Reel Braces; Solid Steel Reel Axle; Cast Side Plates; Heavy Cast Iron Drive Wheels and Bed Plate; Tool-Steel Bed Knife Riveted to Bed Plate; Malleable Roller Brackets; Hardwood Roller; Steel Front Brace; Wrought Steel Handle Braces; Fitted with Combination Clutch and Pinion with Sliding Pins on Each Side of the Machine; 3½-foot Varnished Hardwood Handle and Cross Bar. Side Plates are Cupped Around the Rim, which Not Only Improves the Appearance but Gives it Strength as well. The Front Brace is set High to Permit the Grass to Come in Contact with the Blades without Being Bent Forward.

★BOB WHITE—PLAIN BEARING

Low Wheel; Three Blades

Pale Green and Red with Gold Bronze Stripes. A Light Running Mower, with Material so Placed as to Obtain the Greatest Strength without Unnecessary Weight.

Diameter of Drive Wheels 8 inches; Diameter of Reel 6 inches; Reel Axle ½ inch; Front Brace ½ inch. Adjustable to Cut Grass to Lengths of ⅜ to 1¼ inches. Cuts Grass Standing 5 to 6 inches High.

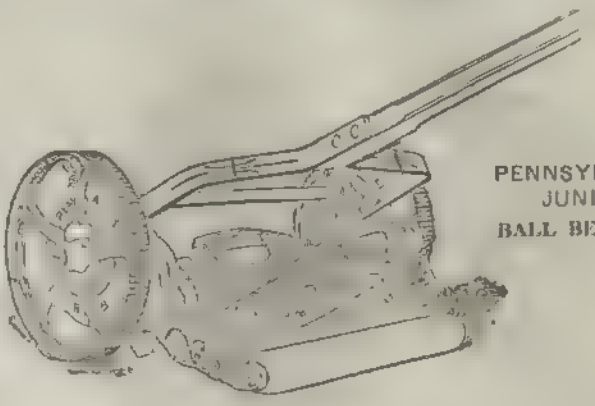
Width of Cut, Inches...	12	14	16	18
Extreme Width, inches....	15½	17¼	19¼	21¼
Weight Boxed, lbs.....	40	42	44	64
Each.....	$10.80	11.30	12.00	12 50

One in a Box; Handles Half Dozen in a Bundle

LAWN MOWERS

PENNSYLVANIA

Heavy Cast Iron Side Plates, Wheels and Gear Casings; Crucible Tool Steel; **Self Sharpening;** Revolving Reel Blades and Stationary Knife; Malleable Iron Reel Braces and Roller Brackets; Adjustable Hardwood Roller; Triple Gearing on One Side; 3½-foot Varnished Hardwood Handle, Painted Green and Red with Gold Bronze Striping.



PENNSYLVANIA JUNIOR

BALL BEARING

High Wheel

10-inch Drive Wheels; Five Blades; 6-inch Cylinders; Adjustable to Cut Grass to Lengths of ⅝ to 1½ inches; Cuts Grass Standing 5 to 6 inches High.

Nos.....	JH15	JH17	JH19	JH21
Width of Cut, inches...	15	17	19	21
Extreme Width, inches	22	24	26	28
Weight Boxed, lbs...	71	74	77	80
Each.....	$30 00	34.00	38.00	42.00
	45.00	51.00	57.00	63.00

Low Wheel

8-inch Drive Wheels; Five Blades; 5½-inch Cylinders; Adjustable to Cut Grass to Lengths of ⅝ to 1½ inches; Cuts Grass Standing 4 to 5 inches High.

Nos.....	JL14	JL16	JL18
Width of Cut, inches...	14	16	18
Extreme Width, inches..	21	23	25
Weight Boxed, lbs.....	62	65	68
Each.....	$28 00	32 00	36 00
	30.80	35.20	39.60

One in a Box; Handles Bundled

PENNSYLVANIA REGULAR

High Wheel

10½-inch Drive Wheels; Four Blades; 8½-inch Cylinders; Adjustable to Cut Grass to Lengths of ⅜ to 1½ inches; Cuts Grass Standing 5 to 6 inches High.

Nos.....	PH15	PH17	PH19	PH21
Width of Cut, in...	15	17	19	21
Extreme Width, in.	22	24	26	28
Weight Boxed, lbs	78	82	85	97
Each.....	$30 00	34.00	38.00	42 00
	45 00	51.00	57.00	63.00

One in a Box; Handles Bundled

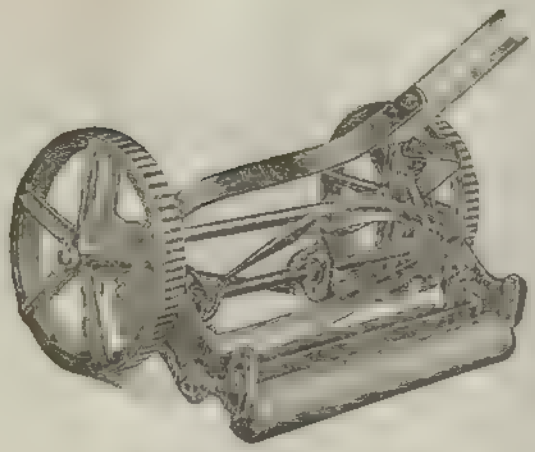
Extra Parts for Lawn Mowers Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory

Use Diamond Oil and *Diamond Edge* Lawn Mower Paste

LAWN MOWERS

★RED CLIPPER

PLAIN BEARING



Bed Plate Adjustment

This Mower is a Popular Design of the New Open Type Construction. Very Light and Easy Running, Yet Built with Refined Castings That are Thoroughly Strengthened. Holes are Drilled Through the Center of the Side Plates, by Two Operations to Insure Exact Dimensions, Through which a Piece of Accurately Rolled Steel Shafting Passes, Forming a Shrub Guard and an Axle for the Drive Wheels, Enabling them to Turn on Steel Bearings. The Fit Between the Shafting and Side Plate Holes is so Perfect that there is Absolutely no Play and with a Set Screw Passing Through a Lug on Each Side Plate and Fastening into Recesses in the Shafting, Makes a Strong and Immovable Frame Construction. These Recesses in the Shafting are Accurately Placed, so that the Side Plates will be at Right Angles with the Cutter Bar, Making a True "Four-squared" Frame. The Drive Wheels are Held in Place by a Malleable Lock Washer and Spring Cotter.

Adjustable Malleable Iron Roller Brackets. Reel Braces are of Malleable Iron Securely Riveted to the Cutting Blades and Steel Shaft, which Passes Entirely Through the Reel, Producing the Strongest and Most Rigid Reel that is Possible to Build. The Reel is Equipped with Adjustable Brass Bearings and Device for Taking Up all Wear.

Screw Adjustments Throughout. A Positive and Durable Ratchet Geared on Each Side. Good Quality of Materials and Workmanship, Fully Guaranteed. Far Better Quality and Value for the Money is Offered in this Machine than in any other Lawn Mower Made.

★RED CLIPPER
PLAIN BEARING
High Wheel; Four Blades

Empire Red with Gold Bronze Wheels and Decorations.

Diameter of Drive Wheels 9 inches; Diameter of Reel 5½ inches; Shrub Rod ⅝ inch; Reel Shaft ⅞ inches; Three Cutting Blades of Crucible Steel, Carefully Tempered, Water Ground and Self-sharpening.

Adjustable to Cut Grass to Lengths of ¼ to 1¼ inches. Cuts Grass Standing 5 to 6 inches High.

A Varnished Handle and Roller of Hardwood Maple.

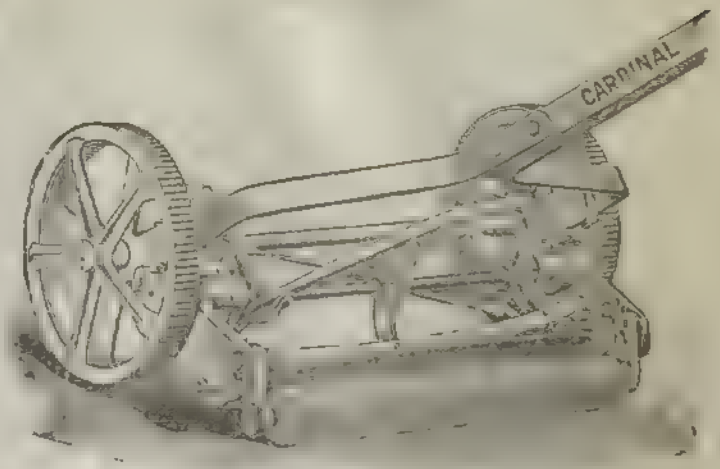
Width of Cut, Inches	12	14	16	18
Extreme Width, inches	18½	20½	22½	24½
Weight Boxed, lbs.	43	45	47	49
Each	$14 50	15 20	16 00	16 50

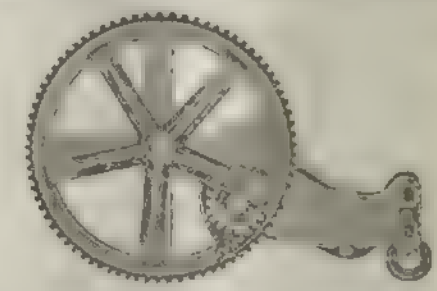
One in a Box; Handles Half Dozen in a Bundle

LAWN MOWERS

★CARDINAL

PLAIN BEARING





This Mower is Another Popular Design of the New Open Type Construction; Very Light and Easy Running; All Parts Accurately Machined so that they will Assemble without the Least Particle of Strain. Only Materials of First Quality are used. Wheels, Side Plates and Cutter Bar Castings of Good Quality Gray Cast Iron; Malleable Iron Reel Braces Perfectly Fitted and Riveted to Reel Shaft, which makes it Impossible to Spring the Reel. Holes are Drilled through the Center of the Side Plates by two Operations, to Insure Exact Dimensions, through which a Piece of Accurately Rolled Steel Shafting Passes, Forming a Shrub Guard and an Axle for the Drive Wheels, Enabling them to Turn on Steel Bearings. The Fit Between the Shafting and Side Plate Holes is so Perfect there is Absolutely no Play and a Set Screw Passing Through a Lug on Each Side Plate and Fastening into Recesses in the Shafting Makes a Strong and Immovable Frame Construction. Drive Wheels Held in Place by Malleable Lock Washer and Spring Cotter. Adjustable Malleable Iron Roller Brackets; Double Geared Both Sides. Adjustable Hardwood Roller; 3½ foot Varnished Hardwood Handle.

★CARDINAL
PLAIN BEARING
High Wheel; Three Blades

Handsomely Finished in Cardinal Red; Gold Bronze and Green Decorated.

Diameter of Wheels 9 inches; Diameter of Reel 5¾ inches; Width of Blades 1¹⁵⁄₁₆ inch; Reel Shaft ⅝ inch; Front Bar ⅝ inch.

Adjustable to Cut Grass to Lengths of ¼ to 1¼ inches. Cuts Grass Standing 5 to 6 inches High.

Width of Cut, Inches.	12	14	16	18
Extreme Width, inches.	18⅝	20⅝	22⅝	24⅝
Weight Boxed, lbs.	43	45	47	49
Each	$12 50	13 00	13 50	15 00

One in a Box; Handles Half Dozen in a Bundle

BAR & PACKAGE CANDIES

KLEIN'S CHOCOLATE BAR

Lunch Bar—Pure, sweet milk chocolate and high grade roasted peanuts, parchment wrapped and litho banded.
2Y1201—24 in box..... Box, 62c

BORDEN'S CHOCOLATE BARS

Plain Sweet Milk Chocolate Scored bar
2Y1643—Small size. 24 in box. Box 80c

Almond [illegible] chocolate [illegible] wrapped
2Y1644—[illegible] Box 80c

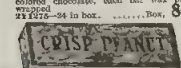
"HERSHEY'S" CHOCOLATE BARS

Milk Chocolate Bar—Plain milk chocolate, foil wrapped.
2Y1797—(Mfrs No. [illegible] box [illegible] 85c

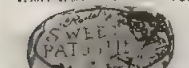
Almond Bar—Milk chocolate with roasted almonds, foil wrapped
2Y1799—(Mfrs No. 20.) 10c size. 12 in box Box 85c
2Y1800—(Mfrs No. [illegible] box Box 85c

REDEL'S CANDY BARS

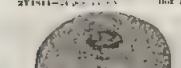
Cherry Bar—1¾ oz. whole red cherries in extra fine soft cream, vanilla flavored, heavily coated with fine dark colored chocolate, each bar wax paper wrapped.
2Y1275—24 in box..... Box, **80c**



Crisp Spanish Peanut Bar—Full 2 oz., strictly No. 1 Spanish peanuts, fresh and crisp, each bar in printed transparent wrapper.
2Y1075—24 pcs. in box Box, 80c

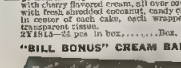


Sweet Patootie 2 oz. patties cake, maple cream and marshmallow layers, topped with [illegible] wrapped
2Y1951—24 pcs. in box Box 80c



Large Lunch—2½ oz., marshmallow covered with cherry flavored cream, all over covered with fresh shredded cocoanut, candy cherry in center of each cake, each wrapped in transparent tissue.
2Y1854—24 pcs in box,..... Box, 80c

"BILL BONUS" CREAM BAR



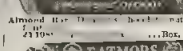
2Y1955—2½ oz., Italian cream bar, unwrapped, assid. chocolate and vanilla flavors. 24 pcs. in counter display box Box 85c

"ZAY-TEK" CHOCOLATE CANDIES

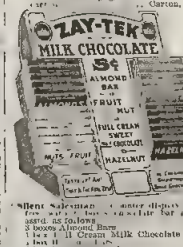
Full Cream Bar—1 ⅛ oz., oval shape, solid chocolate bar, cream milk, extra fine flavor, each piece wrapped
2Y1894—24 in box..... Box. 48c

Milk Chocolate Bar—Full cream milk chocolate, flat, extra large size.
2Y1901—24 bars in box ..... Box. 82c

Almond Bar [illegible] nut and [illegible]
2Y1902—[illegible] Box. 82c

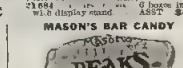


"Eatmors" Chocolate Buds—6 in. tube, filled with solid milk chocolate buds
2Y1884—[illegible] plugs, in counter display [illegible] Carton, 82c

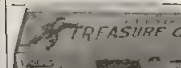


"Silent Salesman" [illegible] counter display stand free with [illegible] bar goods assid as follows
3 boxes Almond Bars
1 box [illegible] Cream Milk Chocolate Bars
1 box [illegible] Bars
2 box [illegible] Bars
24 bars in box, 6 boxes in asst. with display stand ASST **$4.50**

MASON'S BAR CANDY



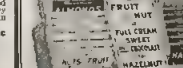
"Peaks," strictly fresh cut cocoanut, coated with a heavy chocolate coating
2Y1625—24 in box Box, 80c



CURTISS' TREASURE CHEST

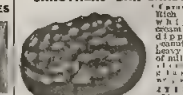
2Y29—Five kinds, 1¾ to 2¼ oz. Chocolate Bars, assid Lady Lake Stickfast Bar, Lath Nougat Bar, and Otis-ette Bar, all wrapped except Nickalof. Box 11x23 in., printed in two colors to resemble the old time Pirate Treasure Chest. Assid. 100 bars in box Box, **$3.35**

Large Lunch—2½ oz., marshmallow covered with cherry flavored cream, all over covered with fresh shredded cocoanut, candy cherry in center of each cake, each wrapped in transparent tissue.
2Y1854—24 pcs in box,..... Box, 80c



2Y1955—2½ oz., Italian cream bar, unwrapped, assid. chocolate and vanilla flavors. 24 pcs. in counter display box Box 85c

CAROTHERS' BAR CANDIES

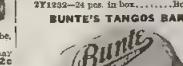


"Caroco Rich vanilla whipped cream center, dipped in peanuts with heavy coating of milk blend [illegible] glaze be[illegible] wrapped
2Y1229—24 pcs in box Box 80c

"Melma Nut Bun" Rich [illegible] caramel cream, covered with [illegible] dipped in peanuts with heavy coating of [illegible] foil wrapped
2Y1234—24 pcs. in box Box, 80c

"Raisin Jack"—Light fluffy marshmallow, cherry, dipped in raisin, heavily coated with dark chocolate, unwrapped
2Y1232—24 pcs. in box..... Box, 80c

BUNTE'S TANGOS BAR

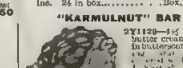


2Y1481 Maple cream bottom, marshmallow center covered with peanuts chocolate dipped, foil wrapped 24 in box. Box, 85c

"OH HENRY" MILK NUT BAR

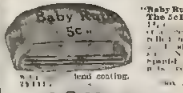
2Y1124 [illegible] bar [illegible] pudding [illegible] rolled in maple [illegible] caramel and peanuts, covered with [illegible] late coating, each bar wrapped in glassine. 24 in box..... Box, **$1.85**

"KARMULNUT" BAR



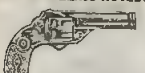
2Y1120—4½ oz. bar, butter cream center in [illegible] scotch chew [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] double wrapped in foil. 24 in box Box **$1.45**

CURTISS' CANDY BARS



"Baby Ruth" The Selling [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

CANDY FILLED GLASS NOVELTIES



Revolver—3 in. clear glass filled with candy pellets
2Y1[illegible] Dz. in shipping case Doz. **89c**

Revolver—8 in. clear glass filled with pure sugar candy pellets
2Y460 Doz. in shipping carton **$1.50**

Locomotive—3 in. clear [illegible]
2Y456 [illegible] shipping case Doz. **95c**

Telephone—4¾ in. assrtd. Easter [illegible] glass bodies filled with candy pellets
2Y448—2 doz. in shipping case **94c**

Lantern—3¾ in., assrtd. colored glass lanterns filled with pure candy pellets
2Y449—2 doz. in shipping case Doz. **94c**

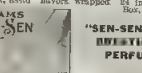
Fire Engine [illegible]
2Y456—2 doz. in box Doz. **$1.10**

GLASS NOVELTY ASSORTMENT

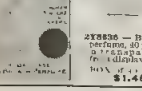
Candy Filled

Big variety—small investment.
2Y461—Assortment consists of Fire Engine, [illegible] Locomotive, Lantern, Telephone, [illegible] in pkg. Doz. **92c**

PURE SUGAR STICK CANDY



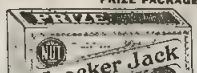
2Y1291 Big stick, 3¼ oz., high grade sugar stick, assrtd. flavors, wrapped. 24 in box Box, **80c**



"SEN-SEN" BREATH PERFUME

2Y3836 — Breath perfume, 40 pkgs. [illegible] assortment for [illegible] display box [illegible] of 40 pkgs. **$1.45**

"CRACKER JACK" PRIZE PACKAGE

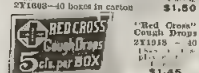


2Y726 "Cracker Jack" the best known [illegible] Prize in each package. Case **$1.88**

COUGH DROPS

Buntie's Cough Drops. Mixture of [illegible] and [illegible] Drops. [illegible] Box **$1.25**

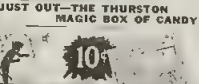
Smith Brothers' Cough Drops [illegible] Carton
2Y1668—40 boxes in carton **$1.50**



"Red Cross" Cough Drops
2Y1918 — 40 [illegible] Box **$1.45**

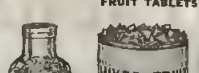
[illegible] Cherry Cough Drops [illegible] Cough Drops [illegible] Count of Red Cross sucrets

JUST OUT—THE THURSTON MAGIC BOX OF CANDY



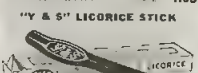
2Y800—Each pkg. containing 2½ oz. specially made chocolate flavored candy and one of Thurston's Famous Magic Tricks. The pkg. also contains a coupon which can be redeemed for more extensive magic tricks. Each new combination is made in preparation for performing more elaborate tricks. Each pkg. is [illegible] Box **$3.05**

CANDY BROS. ASSORTED FRUIT TABLETS



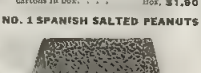
Well known fruit flavored tablets, [illegible] flavors.
2Y1924 4 lb. glass jar Jar **$1.55**
2Y1931—7 lb. [illegible] Jar **1.65**

"Y & 5" LICORICE STICK



2Y8319—Genuine pure licorice stick, 25 cartons in box. [illegible] Box, **$1.90**

NO. 1 SPANISH SALTED PEANUTS



Unbranched No. 1 Spanish peanuts, selected medium size, well salted, fresh and crisp
2Y4934—30 lbs. in case [illegible] **13c**
2Y1699—10 lbs. in box [illegible] **14½c**

"OLD DOMINION" PEANUTS

2Y1309—Jumbo peanuts [illegible] like almonds. 10 lbs. in [illegible] to top [illegible] lb **24c**

PLANTER'S "PENNANT" BRAND SALTED PEANUTS

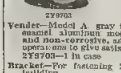
2Y1255 — Display jar containing 10 lbs. "Pennant Brand" salted peanuts, 110 glassine bags and a 5c measure packed in corrugated carton Jar, **$4.00**

PEANUT VENDER AND BRACKET

2Y9703 2Y9704

Vender—Model A gray iron case, dark red enamel aluminum mechanism, rustproof and non-corrosive, self-[illegible] from 1 to 50 operations to give satisfaction
2Y9703—1 in case Each, **$8.00**
Bracket—For fastening 2Y9703 to wall or building.
2Y9704—1 in pkg. Each, **95c**

SANITARY DRINKING CUPS

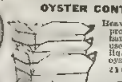


In great demand due to health board regulations.

"Puritan" Envelope Style—Heavy parchment coated paper cup, 5 in Nibo cup.
2Y8097—25 cartons (625 cups) in case Case, **$1.75**

"Lily" Cup Style — Heavy fluted waxed paper, roll edges, economically advertised
2Y9851—5 oz., 100 in tube. Per 100, **50c**
Per M, **$4.75**
2Y9852—6 oz. 100 in tube. Per 100 **70c**
Per M, **$6.50**
2Y9854—5 only 5 oz. cups in pkg. 100 pkgs. in case Case, **$3.85**

OYSTER CONTAINERS



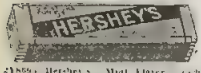
Heavy manila waterproof board, wire handle. Extensively used for carrying liquid food stuffs as oysters, pickles, etc
2Y8490—1 pt. Per 100, **68c**
Per M **$6.40**
2Y8491—1 qt. Per 100, **87c**
Per M **$8.40**
2Y8492—1 gal. Per 100 **$1.45**
Per M, **$13.75**

CHEWING GUMS—Well Known Brands

"HEATHER MINT" CHEWING GUM

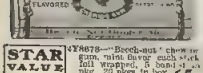
2Y8625—Quality chicle, pure lasting peppermint flavor, open pkge wax paper wrapped and banded, 5 pieces in plaid wrapper 50 pkgs. in sonkh plaid display box. Box, **40c**

HERSHEY'S CHEWING GUM



2Y8850—Hershey's Mint Flavor [illegible] 5 pcs. [illegible] Box **65c**

"BEECH-NUT" CHEWING GUM

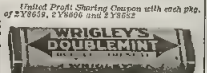


STAR VALUE

2Y8678—"Beech-nut" chewing gum, mint flavor, each stick foil wrapped, 5 bands in a pkg., 20 pkgs. in box Box, **65c**

WRIGLEY'S CHEWING GUM

United Profit Sharing Coupon with each pkg. of 2Y8658, 2Y8660 and 2Y8662

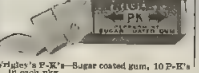


Wrigley's Doublemint—Double strength peppermint gum, 5 sticks in pkg. [illegible] pkgs. in box Box **64c**

Wrigley's "Spearmint" Double wrapped, 5 sticks in pkg.
2Y8656 [illegible] pkgs in box. Box **64c**

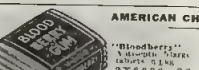
Wrigley's Juicy Fruit [illegible] sticks in pkg.
2Y8657—20 pkgs. in box Box **64c**

Wrigley's Peppermint—Strong peppermint flavor, 5 sticks in pkg.
2Y8680—20 pkgs in box [illegible] **64c**



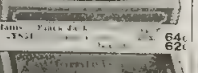
Wrigley's P-K's—Sugar coated gum, 10 P-K's in each pkg
2Y8684—20 pkgs. in box..... Box, **64c**

AMERICAN CHICLE CO'S GUMS

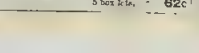


"Bloodberry"—Adequate flavor, tablets plus
2Y8609 20 packs, in box Box, **64c**

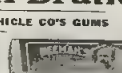
Thick mint—5 sticks in pkg.
2Y8668—20 pkgs [illegible] Box, **64c**
62c



Adams "Black Jack" [illegible] **64c**
[illegible] **62c**



Adams "California Fruit" [illegible] pkg
2Y8669 [illegible] Box **64c**
5 box lots, [illegible] **62c**



Beeman's "Pepsin"—5 sticks in pkg.
2Y8617—20 pkgs. in box. [illegible] Box, **64c**
5 box lots, " **62c**

VENDING MACHINE AND PENNY BALL GUM

"Advance" Ball Gum Machine — Steel base finished in black [illegible] enamel, heavy glass globe holding about 275 balls of gum, total height, 12½ inches
2Y9678—1 in box Each, **$7.25**
2Y9680 Advance machine and 10 boxes of gum, assrtd. flavors Complete, **$9.45**
2Y9681—Wall bracket and padlock for above machine. Each **90c**

Penny Ball Gum—For vending machines, 5 flavors. Assrtd. 100 balls in box.
2Y8692A—Lots of 10 boxes. Box, **22c**
2Y8692 Less than 10 box lots. Box **24c**

REPUTATION IN ADVERTISING

The manufacturer who advertises in the Transcript knows that his product gains thereby increased reputation. The Boston *Transcript* is a national institution. Its appeal knows no boundaries or circulation limit. That is why its columns are sought and appreciated by the leaders of industry to sell and market their commodities.

The *Transcript's* gain in National advertising for 1922 was greater than any other Boston paper. Its total of advertising was also larger than any other evening paper and was exceeded by but one morning and evening combination.

Boston Evening Transcript

National Advertising Representative

Charles H. Eddy Company

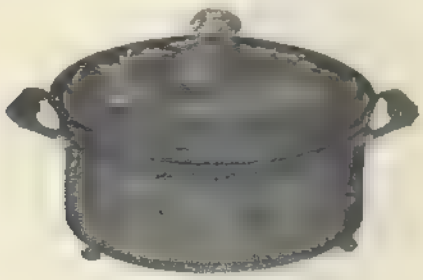
NEW YORK CHICAGO BOSTON

CASSEROLES

No. 661

Square decorated Pyrex dish. Frame has feet and handles of solid cast brass, nickel plated.

No.	Size	Cap'y	Packed	Weight	Each
661	7¼ in.	3 pts.	1	4½ lbs.	$7.50



Nos. 800, 801 and 802

Round and oval decorated Pyrex dishes. Frames have feet and handles of solid cast brass nickel plated Nos. 800, 801 Round, No. 802 Oval

No.	Size	Cap'y	Packed	Weight	Each
800	7 in.	2 pts.	1	3½ lbs.	$4.50
801	8 in.	3 pts.	1	4¼ lbs.	5.25
802	8 in.	2 pts.	1	3¾ lbs.	5.25

STEAK BAKER

No. 711

Oval decorated Pyrex dish. Frame has cast brass feet and handles, nickel plated.

No.	Length	Height	Packed	Weight	Each
711	10½ in.	6¼ in.	1	6 lbs.	$7.50

Nos. 705 and 706

Round decorated Pyrex dishes. Frames have cast brass feet and handles, nickel plated.

No.	Size	Cap'y	Packed	Weight	Each
705	7 in.	2 pts.	1	4½ lbs.	$5.50
706	8 in.	3 pts.	1	5 lbs.	6.30

Nos. 790 and 791

Round decorated Pyrex dishes. Frames have pedestal feet and metal handles nickel plated

No.	Size	Cap'y	Packed	Weight	Each
790	7 in.	2 pts.	1	3¾ lbs.	$3.60
791	8 in.	3 pts.	1	4½ lbs.	4.20

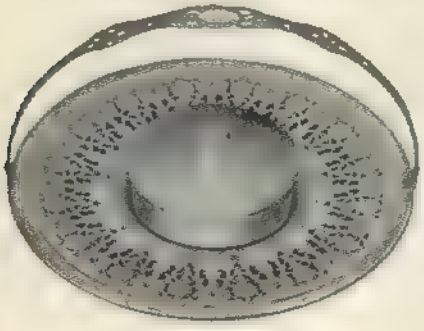
FISH PLATTER

No. 673

Oval decorated Pyrex dish. Frame has cast brass feet and handles, nickel plated.

No.	Size	Packed	Weight	Each
673	18 x 11⅛ in.	1	5½ lbs.	$8.00

CHEESE AND CRACKER DISHES



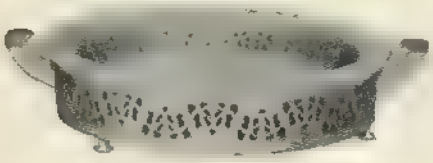
No. 695

Etched crystal dish with metal cover. Perforated and etched brass tray and handle, nickel plated.

No. 694 same as above except that it does not have a handle

No.	Diam.	Packed	Weight	Each
694	10½ in.	1	1½ lbs.	$3.15
695	10½ in.	1	1⅝ lbs.	5.00

PIE DISHES



No. 709½

Decorated Pyrex dish. Handles and feet of cast brass, nickel plated.

No.	Diam.	Depth	Packed	Weight	Each
709½	9 in.	1 in.	1	3 lbs.	$5.00

No. 792

Plain Pyrex dish. Bulged pattern frame, pedestal foot with etched metal handles, nickel plated.

No.	Diam.	Packed	Weight	Each
792	9 in.	1	3 lbs.	$3.25

ROUND RELISH DISHES

No. 627

One compartment Pyrex dish. Solid brass frame, feet and handle, nickel plated

No.	Diam.	Height	Packed	Weight	Each
627	5 in.	6 in.	1	2⅛ lbs.	$2.00

No. 697

Two compartment Pyrex dish. Solid brass frame, feet and handle, nickel plated.

No.	Diam.	Height	Packed	Weight	Each
697	6¾ in.	6¼ in.	1	2¾ lbs.	$2.20

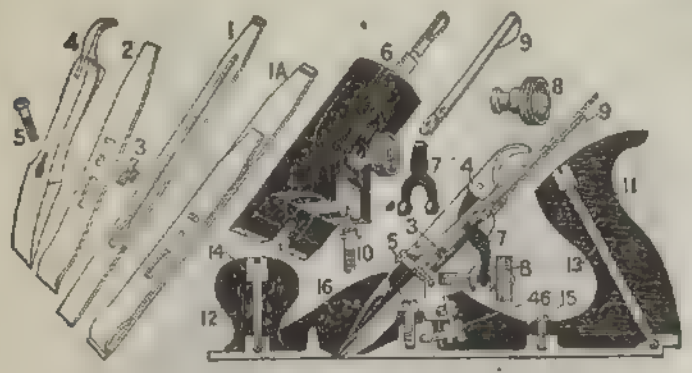
No. 698

Three compartment Pyrex dish. Solid brass frame, feet and handle, nickel plated.

No.	Diam.	Height	Packed	Weight	Each
698	7 in.	6½ in.	1	3¼ lbs.	$2.50

PLANE PARTS

When Ordering, Always Give Kind and Number of Plane for Which Part is Wanted, as Well as the Figure Number of the Part Wanted
Ten Cents will be the Minimum Charge for Any Part Sent by Mail



FOR BRIDGE AND BAILEY IRON PLANES

DOUBLE PLANE IRON (1A)

For Planes	1	2	3	3C	4	4C
Each	$0 80	85	.90	.90	95	.95
	1 30	1 35	1 45	1 45	1.50	1 50
For Planes	**4½**	**4½C**	**5**	**5C**	**5½**	**5½C**
Each	$1.20	1.20	.95	.95	1.10	1.10
	1 90	1 90	1 50	1 50	1 75	1.75
For Planes	**6**	**6C**	**7**	**7C**	**8**	**8C**
Each	$1 20	1 20	1 20	1.20	1.30	1.30
	2 00	2 00	2 00	2 00	2 10	2 10

SINGLE PLANE IRON (1)

For Planes	1	2	3	3C	4	4C
Each	$0.45	.50	.55	.55	.60	.60
	.70	.80	.90	.90	.95	.95
For Planes	**4½**	**4½C**	**5**	**5C**	**5½**	**5½C**
Each	$0 75	.75	.60	.60	70	.70
	1 20	1 20	.95	.95	1 10	1.10
For Planes	**6**	**6C**	**7**	**7C**	**8**	**8C**
Each	$0 75	.75	75	.75	.80	.80
	1 20	1.20	1 20	1.20	1 30	1 30

PLANE IRON CAP (2)

For Planes	‡1	2	3	3C	‡4	‡4C
Each	$0 35	35	.35	35	.35	35
	.55	.55	.55	.55	.55	.55
For Planes	**‡4½**	**‡4½C**	**5**	**5C**	**‡5½**	**‡5½C**
Each	$0.45	.45	.35	.35	.40	.40
	.70	.70	.55	.55	.65	.65
For Planes	**‡6**	**‡6C**	**7**	**7C**	**‡8**	**‡8C**
Each	$0 45	.45	.45	.45	.50	.50
	.70	.70	.70	.70	.80	.80

CAP SCREW (3)

For Planes	‡1	2	3	3C	‡4	‡4C
Each	$0.10	.10	.10	.10	.10	.10
	.15	.15	.15	.15	.15	.15
For Planes	**‡4½**	**‡4½C**	**5**	**5C**	**‡5½**	**‡5½C**
Each	$0.10	.10	.10	.10	.10	.10
	15	.15	.15	.15	.15	.15
For Planes	**6**	**6C**	**‡7**	**‡7C**	**‡8**	**‡8C**
Each	$0.10	.10	.10	.10	.10	.10
	.15	.15	.15	.15	.15	.15

LEVER CAP (4)

For Planes	‡1	2	3	3C	4	4C
Each	$0 50	.50	.50	.50	.50	.50
	.80	.80	.80	.80	.80	.80
For Planes	**‡4½**	**‡4½C**	**5**	**5C**	**5½**	**5½C**
Each	$0.50	.50	.50	.50	.50	.50
	.80	.80	.80	.80	.80	.80
For Planes	**6**	**6C**	**7**	**7C**	**8**	**8C**
Each	$0 50	.50	.50	.50	.50	.50
	.80	.80	.80	.80	.80	.80

FOR BRIDGE AND BAILEY IRON PLANES

LEVER CAP SCREW (5)

For Planes	‡1	‡2	‡3	‡3C	‡4	‡4C
Each	$0.10	.10	.10	.10	.10	.10
	.15	.15	.15	.15	.15	.15
For Planes	**‡4½**	**‡4½C**	**5**	**5C**	**‡5½**	**‡5½C**
Each	$0 10	.10	.10	.10	.10	.10
	.15	.15	.15	.15	.15	.15
For Planes	**‡6**	**‡6C**	**‡7**	**‡7C**	**‡8**	**‡8C**
Each	$0.10	.10	.10	.10	.10	.10
	.15	.15	.15	.15	.15	.15

FROG COMPLETE (6)

Specify Old or New Style

For Planes	‡1	‡2	‡3	‡3C	‡4	‡4C
Each	$0.70	.70	.70	.70	.70	.70
	1 10	1.10	1.10	1 10	1 10	1.10
For Planes	**‡4½**	**‡4½C**	**5**	**5C**	**‡5½**	**‡5½C**
Each	$0 70	.70	.70	.70	.70	.75
	1 10	1.10	1 10	1 10	1 10	1 10
For Planes	**‡6**	**‡6C**	**‡7**	**‡7C**	**‡8**	**‡8C**
Each	$0.70	.70	.70	.70	.70	.70
	1.10	1.10	1.10	1.10	1.10	1.10

Y ADJUSTING LEVER (7)

For Planes	‡1	‡2	‡3	‡3C	‡4	‡4C
Each	$0 10	10	.10	.10	.10	10
	.15	.15	15	.15	.15	.15
For Planes	**‡4½**	**‡4½C**	**5**	**5C**	**‡5½**	**‡5½C**
Each	$0.10	10	.10	.10	10	.10
	15	15	15	15	.15	15
For Planes	**‡6**	**‡6C**	**‡7**	**‡7C**	**‡8**	**‡8C**
Each	$0 10	.10	.10	.10	.10	.10
	.15	.15	15	.15	.15	.15

ADJUSTING NUT (8)

For Planes	‡1	‡2	‡3	‡3C	‡4	‡4C
Each	$0 20	20	.20	20	2	20
	30	30	.30	30	30	30
For Planes	**‡4½**	**‡4½C**	**‡5**	**‡5C**	**‡5½**	**‡5½**
Each	$0 20	20	20	20	20	.20
	30	30	30	.30	30	30
For Planes	**‡6**	**‡6C**	**‡7**	**‡7C**	**‡8**	**‡8C**
Each	$0 20	.20	.20	.20	.20	.20
	30	30	.30	30	.30	.30

LATERAL ADJ. LEVER (9)

For Planes	‡1	‡2	‡3	‡3C	‡4	‡4C
Each	$0.20	.20	.20	.20	.20	.20
	.30	.30	30	30	.30	30
For Planes	**‡4½**	**‡4½C**	**‡5**	**‡5C**	**‡5½**	**‡5½**
Each	$0.20	20	20	20	.20	.20
	30	.30	30	30	30	30
For Planes	**‡6**	**‡6C**	**‡7**	**‡7C**	**‡8**	**‡8C**
Each	$0.20	.20	20	20	.20	.20
	.30	.30	.30	.30	.30	30

FROG SCREW (10)

For Planes	‡1	‡2	‡3	‡3C	‡4	‡4C
Each	$0 10	.10	.10	.10	.10	.10
	.15	.15	.15	.15	.15	.15
For Planes	**‡4½**	**‡4½C**	**‡5**	**‡5C**	**‡5½**	**‡5½C**
Each	$0 10	.10	.10	10	10	.10
	.15	.15	.15	.15	.15	.15
For Planes	**‡6**	**‡6C**	**‡7**	**‡7C**	**‡8**	**‡8C**
Each	$0 10	.10	.10	.10	.10	.10
	15	.15	15	.15	.15	.15

PLANE HANDLE (11)

For Planes	‡1	‡2	‡3	‡3C	‡4	‡4C
Each	$0.40	.40	.40	.40	.40	.40
	.65	.65	.65	.65	.65	.65
For Planes	**‡4½**	**‡4½C**	**5**	**5C**	**‡5½**	**‡5½C**
Each	$0.40	.40	.40	.40	.40	.40
	.65	.65	.65	.65	.65	.65
For Planes	**‡6**	**‡6C**	**‡7**	**‡7C**	**‡8**	**‡8C**
Each	$0.40	.40	.40	.40	.40	.40
	.65RD	.65	.65	.65	.65	.65

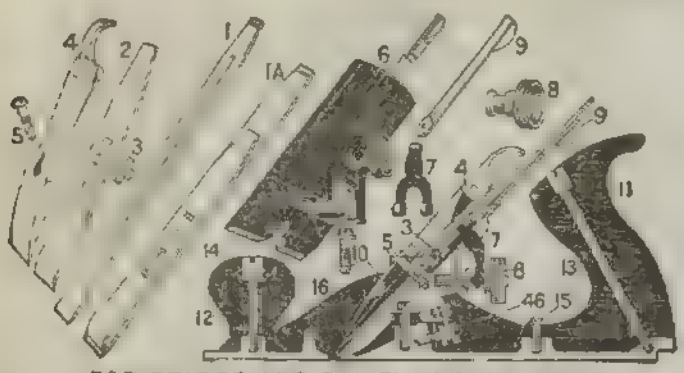
(Continued on Page 130)

Items Marked ‡ Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory, New Britain, Conn.

PLANE PARTS

When Ordering, Always Give Kind and Number of Plane for Which Part is Wanted, as Well as the Figure Number of the Part Wanted

Ten Cents will be the Minimum Charge for Any Part Sent by Mail



FOR BRIDGE AND BAILEY IRON PLANES

(Continued from Page 129)

PLANE KNOB (12)

For Planes	‡1	‡2	‡3	‡3C	4	4C
Each	$0 30	.30	.30	30	.50	.50
	50	50	50	50	50	50
For Planes	**‡4½**	**‡4½C**	**5**	**5C**	**‡5½**	**‡5½C**
Each	$0 30	.30	30	30	.50	.50
	50	50	50	50	.50	50
For Planes	**‡6**	**‡6C**	**‡7**	**‡7C**	**‡8**	**‡8C**
Each	$0.30	.30	.30	.30	.30	.30
	50	50	50	50	.50	.50

HANDLE, BOLT AND NUT (13)

For Planes	‡1	‡2	‡3	‡3C	‡4	‡4C
Each	$0.20	.20	.20	.20	.20	20
	.30	30	.30	.30	.30	30
For Planes	**‡4½**	**‡4½C**	**5**	**5C**	**‡5½**	**‡5½C**
Each	$0 20	20	.20	.20	.20	.20
	30	.30	.30	.30	.30	.30
For Planes	**‡6**	**‡6C**	**‡7**	**‡7C**	**‡8**	**‡8C**
Each	$0 20	.20	20	.20	.20	.20
	30	30	30	30	.30	.30

KNOB, BOLT AND NUT (14)

For Planes	‡1	‡2	‡3	‡3C	‡4	‡4C
Each	$ 20	.20	0 20	.20	0 20	0 20
	30	30	.30	.30	0 30	30
For Planes	**‡4½**	**‡4½C**	**‡5**	**‡5C**	**‡5½**	**‡5½C**
Each	$0.20	.20	.20	.20	.20	.20
	30o	.30	.30	.30	.30	.30
For Planes	**‡6**	**‡6C**	**‡7**	**‡7C**	**‡8**	**‡8C**
Each	$0 20	.20	.20	.20	.20	.20
	30	.30	.30	.30	.30	.30

PLANE HANDLE SCREW (15)

For Planes	‡4½	‡4½C	‡5	‡5C	‡5½	‡5½C
Each	$0 10	10	10	10	10	10
	15	15	.15	.15	15	.15
For Planes	**‡6**	**‡6C**	**‡7**	**‡7C**	**‡8**	**‡8C**
Each	$0 10	.10	.10	.10	.10	.10
	.15	.15	.15	.15	.15	.15

PLANE BOTTOM (16)

Specify Old or New Style

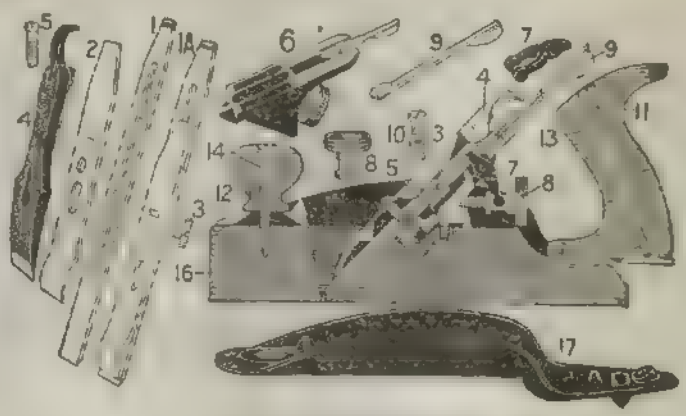
For Planes	‡1	‡2	‡2C	‡3	‡3C	‡4	4C
Each	$1 70	1 70	1 70	2 00	2 00	2 00	2 00
	2 80	2 80	2 80	3 20	3 20	3 20	3 20

For Planes	‡4½	‡4½C	‡5	‡5C	‡5½	‡5½C
Each	$2.40	2 40	2.40	2.40	2.40	2.40
	3 90	3 90	3 90	3 90	3 90	3 90

For Planes	‡6	‡6C	‡7	‡7C	‡8	‡8C
Each	$3.30	3.30	4.70	4.70	5.70	5.70
	5 30	5.30	7 60	7 60	9 20	9 20

FROG ADJUSTING SCREW (46)

For Planes	‡1	‡2	‡2C	‡3	‡3C	‡4	‡4C
Each	$0.10	.10	.10	.10	.10	.10	.10
	15	.15	.15	15	.15	.15	.15
For Planes	**‡4½**	**‡4½C**	**‡5**	**‡5C**	**‡5½**		**‡5½C**
Each	$0.10	.10	.10	.10	.10		.10
	.15	.15	.15	.15	.15		.15
For Planes	**‡6**	**‡6C**	**‡7**	**‡7C**	**‡8**		**‡8C**
Each	$0.10	.10	.10	.10	.10		.10
	.15	.15	.15	.15	.15		.15



FOR BAILEY WOOD PLANES

DOUBLE PLANE IRON (1A)

For Planes				22	24	25
Each				$0 90	.95	.95
				1.45	1.50	1.50
For Planes	**26**	**27**	**27½**	**28**	**29**	**30**
Each	$0 95	1 00	1 10	1.20	1 20	1 20
	1.50	1 60	1.75	2.00	2 00	2 00
For Planes					31	32
Each					$1 20	1.50
					2.00	2.10

SINGLE PLANE IRON (1)

For Planes				22	24	25
Each				$0.55	.60	.60
				.80	.95	.95
For Planes	**26**	**27**	**27½**	**28**	**29**	**30**
Each	$1 00	.95	1 10	1 20	1 20	1 20
	95	1.05	1 10	1 20	1 20	1 20
For Planes					31	32
Each					$0.75	.80
					1 20	1 30

PLANE IRON CAP (2)

For Planes				‡22	‡24	‡25
Each				$0 35	.35	.35
				.55	.55	55

For Planes	‡26	‡27	‡27½	‡28	‡29	‡30
Each	$0.35	.35	.40	.45	.45	.45
	.55	.55	.65	.70	.70	.70
For Planes				‡31		‡32
Each				$0.45		.50
				.70		.80

CAP SCREW (3)

For Planes	‡22	‡24	‡25	‡35
Each	$0.10	.10	.10	.10
	.15	.15	.15	.15

For Planes	‡26	‡27	‡27½
Each	$0 10	.10	.10
	.15	.15	15
For Planes		‡31	‡32
Each		$0 10	10
		.15	.15

LEVER CAP 4

For Planes	‡22	‡24	‡25	‡35
Each	$0 10	10	.10	10
	65	65	65	.65
For Planes		‡26	‡27	‡27½
Each		$0 10	10	.40
		.65	65	65
For Planes			‡31	‡32
Each			$0.40	40
			.65	.65

(Continued on Page 131)

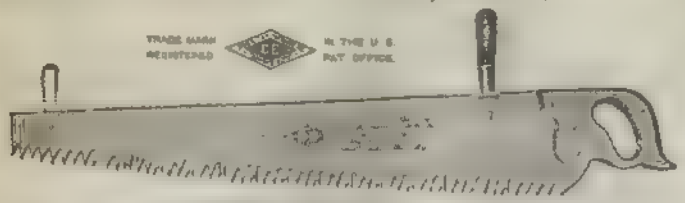
Items Marked ‡ Not carried in Stock; Can Only be Furnished by Shipping Direct from Factory, New Britain, Conn.

ONE-MAN CROSS-CUT SAWS

With Supplementary Handle

★DIAMOND EDGE

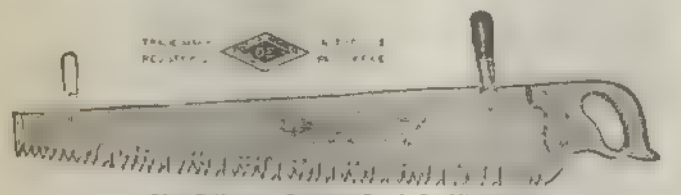
Highest Grade Crucible Saw Steel Blade, Oil Tempered; Ground, Sharpened and Set; Full Polished and Etched; Thin Back.



No. DE302—CHAMPION TOOTH

Beech Handle, Varnished Edges, Three Brass Screws; Beech Supplementary Top Handle.

Length, feet	2½	3	3½	4	4½	5
Weight Each, lbs.	3	4	4½	6	7	8
Each	$3.00	3.80	4.20	4.70	5.30	6.00



No. DE310—CANADIAN PATTERN

Lance Tooth, Perforated

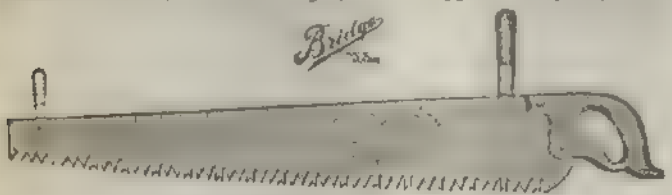
Beech Handle Varnished Edges, Three Brass Screws Beech Supplementary Top Handle.

Length, feet	2½	3	3½	4	4½	5
Weight Each, lbs.	2¾	3½	5	5¾	6½	7½
Each	$3.20	4.00	4.50	5.20	6.00	6.50

Loose

★BRIDGE

Extra Quality Crucible Saw Steel Blade Polished and Etched, Oil Tempered, Carefully Ground, Sharpened and Set; Three Brass Screws; Leechwood Handle, Varnished Edges; Beech Supplementary Top Handle.

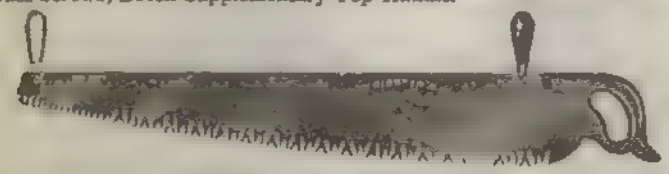


No. B302—CHAMPION TOOTH

Lgth., feet	2½	3	3½	4	4½	5
Wt. Ea. lbs.	2¾	3¾	4½	5½	7	8
Each	$3.00	3.50	4.30	4.80	5.50	6.00

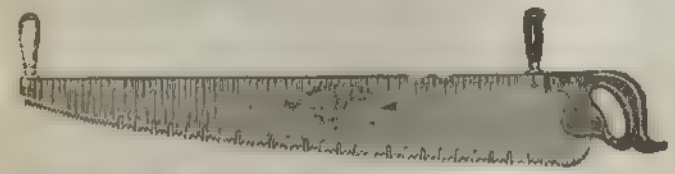
DISSTON

High Grade Steel Blade Perfectly Tempered, Set and Sharpened Polished and Hand Etched, Thin Back; Beech Handle, Varnished Edges Brass Screws; Beech Supplementary Top Handle.



No. D302—CHAMPION TOOTH

Length, feet	3	3½	4	4½	5	5½
Weight Each, lbs.	3¾	4½	5½	6	7½	8
Each	$4.40	5.20	5.80	6.60	7.40	8.00



No. D300—GREAT AMERICAN TOOTH

Length, feet	3	3½	4	4½	5
Wt. Each, lbs.	3¾	4½	5½	6	7
Each	$4.80	5.60	6.40	7.10	8.00

Loose

CROSS-CUT SAW HANDLES

★DIAMOND EDGE

Malleable Iron Loop

Solid Iron Combination Steel Plug and Nut; Polished Maple Handle; Malleable Iron Bell Ferrule and Cap, Painted Red.

Per Pair

No. DE8—13½ inch Handle; 4¼ inch Loop; 2 inch Ferrule; Weight per Pair 2 lbs..... $1.10

Twelve Pair in a Carton

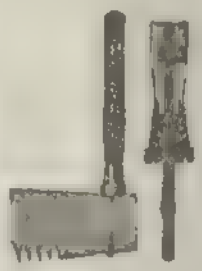
★DIAMOND EDGE

Reversible; Red Painted Malleable Iron Sheaths; Tinned Bolt and Thumb Nut; Weight per Pair, 1½ lbs.

Per Pair

No. DE11—Handle 15½ inch Polished Ash..... $1.00

Twelve Pair in a Carton



ATKINS

Wrought Loop

Solid Iron Combination Plug and Nut; Varnished Hardwood Handle; Malleable Iron Bell Ferrule and Cap, Painted Black

Comparative to Ely No. 16; Disston No. 110.

Per Pair

No. 12—9½ inch Handle, ¾ inch Loop; 2 inch Ferrule; Weight per Pair 2 lbs..... $1.00

Twelve Pair in a Carton

ATKINS

Malleable Iron Loop

Solid Iron Combination Plug and Nut; Varnished Beech Handle; Malleable Iron Bell Ferrule and Cap, Painted Black.

Comparative to Ely No. 2M; Simonds No. 88.

Per Pair

No. 8—10 inch Handle; 4¼ inch Loop; 2 inch Ferrule; Weight per Pair 1¾ lbs..... $0.95

Twelve Pair in a Carton

ATKINS

Heavy Patent Swivel Malleable Loop

Varnished Beech Handle; Malleable Iron Ferrule and Swivel; Combination Plug and Nut.

Comparative to Ely No. 6; W. M. C. Co. No. 3.

Per Pair

No. 8—10 inch Handle; 4 inch Loop; 1½ inch Ferrule; Weight per Pair 2 lbs..... $1.00

Twelve Pair in a Carton

CRESCENT

Heavy Malleable Loop

Loop Screwed to Bolt, Which Extends Through Handle and is Riveted at End; Wax Finish Beech Handle; Malleable Cap and Ferrule, Painted Black.

Per Pair

No. 25—12 inch Handle, Including 2¾ inch Cuff; 4 inch Loop; Weight per Pair 2 lbs... $1.65

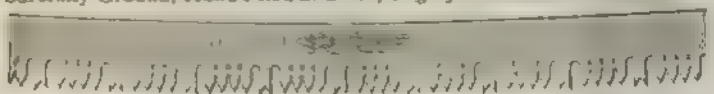
Twelve Pair in a Carton

NARROW CROSS-CUT SAWS

Designed for Felling Cedar and Other Small Timber; Also Used by Farmers, Tie Makers, etc.

★DIAMOND EDGE

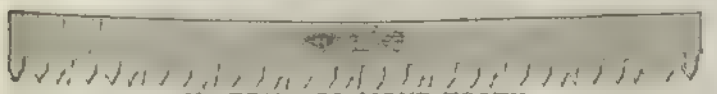
Made of Special High Grade Steel; Thoroughly Tempered and Carefully Ground, Hand Filed and Set; Highly Polished and Etched.



No. DE408—LANCE TOOTH, PERFORATED

3¼ inches Wide, 14 Gauge; Four Cutting Teeth to One Raker Tooth

Length, feet	5	5½	6	6½
Weight Each, lbs	3¾	4	4¼	4½
Each, without Handles	$3.00	3.40	3.80	5.20



No. DE408—DIAMOND TOOTH

3¼ inches Wide14 Gauge, Two Cutting Teeth to One Raker Tooth.

Length, feet	5	5½	6
Weight Each, lbs.	3½	4½	5
Each, without Handles	$3.80	4.20	4.50

No. DE408—CHAMPION TOOTH

3¼ inches Wide; 14 Gauge; Two Cutting Teeth to One Raker Tooth

Length, feet	5	5½	6	6½
Weight Each, lbs.	3½	4	4¼	4½
Each, without Handles	$3.50	3.80	4.20	4.50

Loose

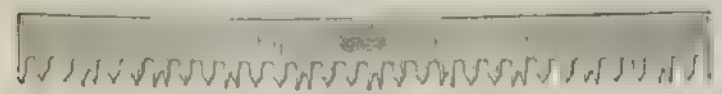
★BRIDGE

High Grade Steel, Oil Tempered, Hand Ground, Sharpened and Set, Polished and Etched.

No. B208—LANCE TOOTH, PERFORATED

3¼ inches Wide; 14 Gauge; Four Cutting Teeth to One Raker Tooth

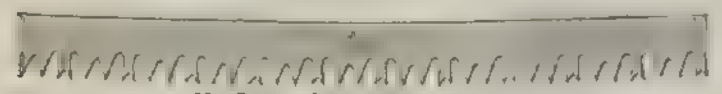
Length, feet	5	5½	6
Weight Each, lbs.	3½	4	4½
Each, without Handles	$4.00	4.40	4.80



No. B208—DIAMOND TOOTH

3¼ inches Wide; 14 Gauge; Two Cutting Teeth to One Raker Tooth

Length, feet	5	5½	6	6½
Weight Each, lbs.	3½	4	4¼	4½
Each, without Handles	$3.70	4.10	4.40	4.90



No. B204—CHAMPION TOOTH

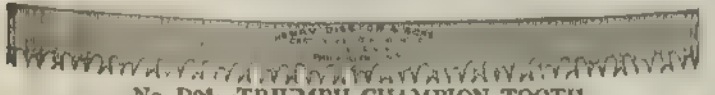
3⅛ inches Wide; 14 Gauge; Two Cutting Teeth to One Raker Tooth

Length, feet	5	5½	6	6½
Weight Each, lbs.	3¼	4	4¼	4½
Each, without Handles	$3.30	3.70	4.10	4.40

Loose

HENRY DISSTON & SONS

Extra Cast Steel, Carefully Tempered, Ground, Sharpened and Set, Polished and Etched.



No. D04—TRIUMPH CHAMPION TOOTH

3¼ inches Wide; 14 Gauge; Two Cutting Teeth to One Raker Tooth

Length, feet	5	5½	6	6½	7
Weight Each, lbs.	3½	4	4½	5½	7
Each, without Handles	$4.00	4.40	4.80	5.00	5.60

Loose

NARROW CROSS-CUT SAWS

Designed for Felling Cedar and Other Small Timber; Also Used by Farmers, Tie Makers, etc.

HENRY DISSTON & SONS

Extra Cast Steel, Carefully Tempered, Ground, Sharpened and Set; Polished and Etched.

No. DNA—GREAT AMERICAN, NARROW

3¼ inches wide; 14 Gauge at Tooth Edge, 16 Gauge at Back Edge.

Length, feet	5	5½	6
Weight Each, lbs.	3½	4	4½
Each, without Handles	$4.30	4.80	5.20

No. DTP—TRIUMPH TOLEDO, PERFORATED, NARROW

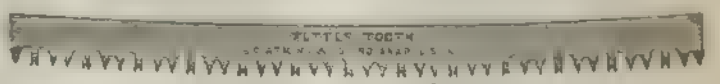
3¼ inches wide; 14 Gauge at Tooth Edge, 15 Gauge at Back Edge Four Cutting Teeth to One Raker Tooth.

Length, feet	5	5½	6
Weight, Each, lbs.	3½	4	4
Each, without Handles	$5.40	5.90	6.40

Loose

E. C. ATKINS & CO.

Polished and Etched, Extra Cast Steel, Carefully Tempered, Ground Sharpened and Set.



No. 379—TUTTLE TOOTH

Special Steel; 3¼ inches Wide, 14 Gauge; Two Cutting Teeth to One Raker Tooth.

Length, feet	5	5½	6	6½
Weight Each, lbs	3½	4	4½	5
Each, without Handles	$4.00	4.40	4.80	5.20

No. 384—DIAMOND TOOTH

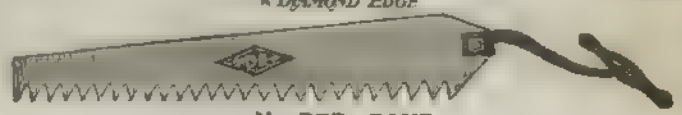
Special Steel; 3¼ inches Wide, 14 Gauge; Two Cutting Teeth to One Raker Tooth.

Length, feet	5	5½	6	6½	7
Weight Each, lbs.	3½	4	4½	5	5½
Each, without Handles	$4.20	4.60	5.00	5.50	5.90

Loose

ICE SAWS

★DIAMOND EDGE



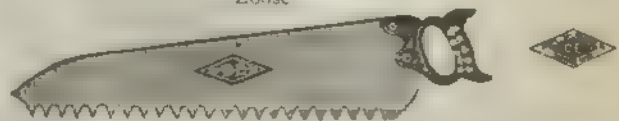
No. DEP—POND

For Cutting Ice From the Pond, Lake or River.

Best Grade Polished Cast Steel; Deep, Plain Tooth; Teeth Filed and Set; 11 Gauge steel Blade, 5 inches Wide at Point, 7 inches Wide at Butt Japanned Malleable Iron Handle, with Beech Hand Bar; Handle Fastened to Blade with Removable Bolt and Pin.

Length, feet	4	4½	5
Weight Each, lbs.	11	12	13
Each	$13.50	13.60	14.70

Loose



HAND

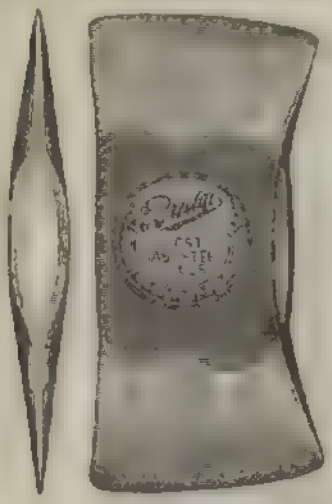
For Use on Ice Wagons, in Cold Storage Houses and by Ice Dealers; 15 Gauge Steel Blade, Width at Heel 5⅝ inches, Japanned Malleable Iron Handle Fastened to Blade by Two Heavy Iron Rivets; Deep Plain Tooth.

No.	DEH24	DEH26	DEH28	DEH30
Length, inches	24	26	28	30½
Weight Each, lbs	2½	3	3¼	3½
Per Dozen	$25.50	29.50	28.00	30.00

Loose

DOUBLE BIT AXES

* BRIDGE



Extra Quality **Crucible Steel** Bit, Carefully Tempered, Ground and Sharpened, Ready for Use, Soft Steel Body. The Eye is Punched from Solid Steel and will not Split or Break as Occurs with Wire Handling a Rolled or Welded Eye. **The Eye is Tapered from the Outer to the Inner Opening;** this Holds the Handle Firmly and Prevents its Splitting.

A First Class Axe in Every Respect, and we Recommend it Most Satisfactory for all Purposes.

In Ordering Axes on this Page, Give Numbers and Weights Only

UNHANDLED

Painted Red, Gold Bronzed Border and Labeled; Polished Bit and Head

No. B850—WESTERN PATTERN
Wide Bits

Weights, Assorted	3/4	3½/4½	4/5	4½/5½
Per Dozen	$31 50	32 50	33 50	34 00

Gun Metal Finish; Labeled

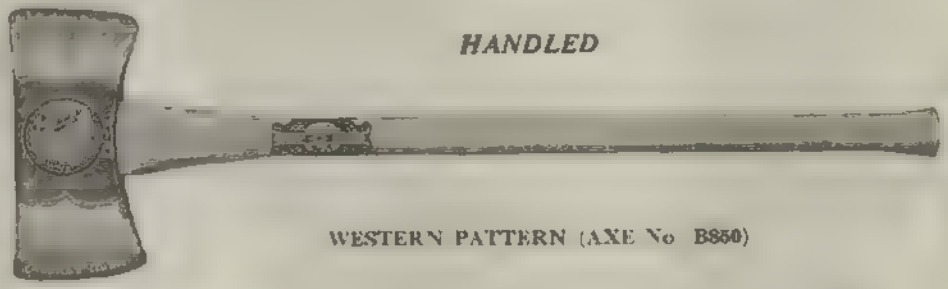
No. BB850 WESTERN PATTERN
Wide Bits

Weights, Assorted	3/4	3½/4½	4/5
Per Dozen	$31 50	32 50	33 50

One Dozen of Each Assortment of Weights in a Box; Average Weight per Box 55 lbs.

HANDLED

DIAMOND EDGE Axe Wedge Used in All of Our Handled Axes.



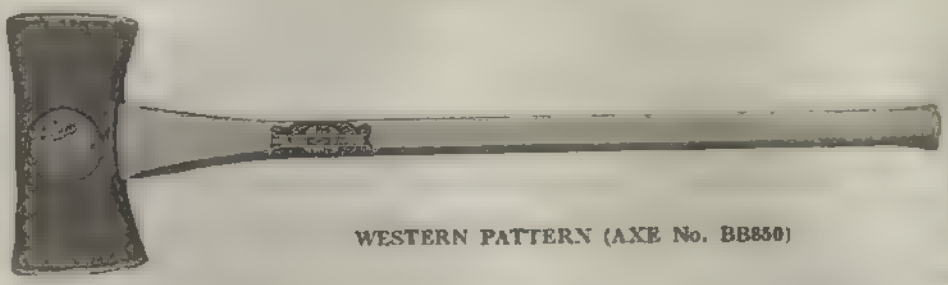
WESTERN PATTERN (AXE No B850)

Cut Shows Wedge Driven in Handle and Handle Poked Open to Show Binding Effect Produced by Action of the Wedge.

Kind of Handle	Weights, Assorted	3/4	3½/4½	4/5	4½/5½
No. B850AA —With No. AA Norleigh Diamond Octagon	Per Dozen	$41.00	$42.00	$43.00	$44 00
No. B850XAA —With No. XAA Norleigh Diamond Octagon	"	42.00	43.00	44.00	45 00
No. B850BB —With No. BB Norleigh Diamond Oval	"	41.00	42 00	43.00	44 00
No. B850CC —With No. CC Favorite Octagon	"	40.50	41 50	42.50	43 50
No. B850DD —With No. DD Favorite Oval	"	40.50	41.50	42.50	43.50
No. B850EE —With No. EE Tip Top Octagon	"	39.50	40.50	41.50	42.50
No. B850FF —With No. FF Tip Top Oval	"	39 50	40.50	41.50	42 50
No. B850LL —With No. LL Mound City Oval	"	38 00	39 00	40.00	41 00
No. B850LLO —With No. LLO Mound City Octagon Plain End	"	38 00	39 00	40 00	41 00
No. B850LOD—With No. LOD Live Oak Oval, Oak	"	39.50	40 50	41.50	42.50

One Dozen of Each Assortment of Weights in a Crate; Average Weight per Crate 75 lbs.

DIAMOND EDGE Axe Wedge Used in All of Our Handled Axes.



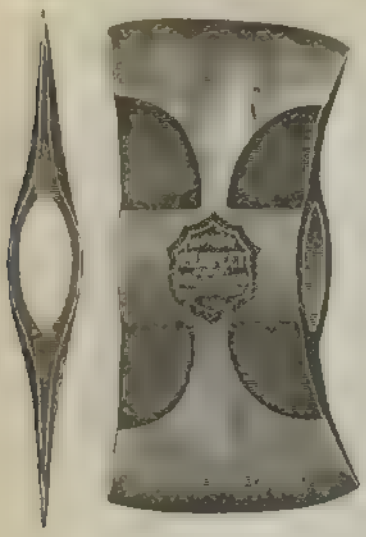
WESTERN PATTERN (AXE No. BB850)

Cut Shows Handle Broken Open to Show the Two Round Slivers Cut by Wedge.

Kind of Handle	Weights, Assorted	3/4	3½/4½	4/5
No. BB850AA —With No. AA Norleigh Diamond Octagon	Per Dozen	$41 00	$42 00	43 00
No. BB850XAA —With No. XAA Norleigh Diamond Octagon	"	42 00	43 00	44 00
No. BB850BB —With No. BB Norleigh Diamond Oval	"	41 00	42 00	43 00
No. BB850CC —With No. CC Favorite Octagon	"	40 50	41 50	42 50
No. BB850DD —With No. DD Favorite Oval	"	40 50	41 50	42 50
No. BB850EE —With No. EE Tip Top Octagon	"	39 50	40 50	41 50
No. BB850FF —With No. FF Tip Top Oval	"	39 50	40 50	41 50
No. BB850LL —With No. LL Mound City Oval	"	38 00	39 00	40 00
No. BB850LLO —With No. LLO Mound City Octagon	"	38 00	39 00	40 00
No. BB850LOD —With No. LOD Live Oak Oval, Oak	"	39 50	40.50	41 50

One Dozen of Each Assortment of Weights in a Crate; Average Weight per Crate 75 lbs.

DOUBLE BIT AXES



KELLY PERFECT

Hollow Beveled Polished and Etched; Blued Bevels

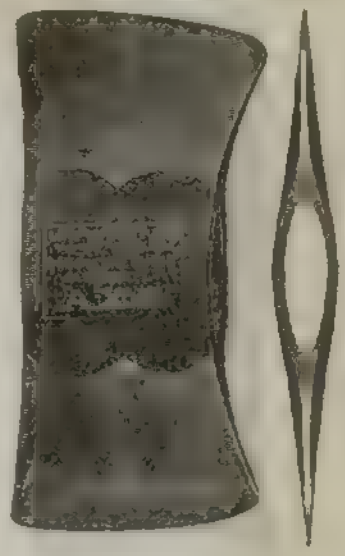
Crucible Steel Bit, **Hand Tempered,** Ground and Sharpened Ready for Use; Soft Steel Body; **Hollow Beveled Pattern** to Prevent Binding and Permit the Blade to Center and Leave the Wood Freely.

Polished Bit and Head, with Bevels Painted Blue; Labeled.

LIPPINCOTT

Gold Bronzed and Labeled Body; Polished Wide Bits

Best Grade Crucible Steel Bit; Hand Forged; **Hand Tempered** and Ground; Soft Steel Body; the **Eye is Punched** from Solid Steel and will not Stretch nor Break, as Occurs with Rolled or Welded **Eyes. The Eye Tapers** from the Outer to the Inner Opening; this Holds the Handle Firmly and Prevents Splitting.



In Ordering Axes on this Page, Give Numbers and Weights Only

UNHANDLED

No. KP925—WESTERN PATTERN
Wide Bits

Weights, Assorted	3 4	3½ 4½	4 5	4½ 5½
Per Dozen	$34.00	35.00	36 00	37.00

No. L850—WESTERN PATTERN
Wide Bits

Weights, Assorted	3 4	3½ 4½	4/5	4½/5½
Per Dozen	$32.00	33.00	34.00	35.00

One Dozen of Each Assortment of Weights in a Box; Average Weight per Box 55 lbs.

DIAMOND EDGE
Axe Wedge Used in All of Our Handled Axes.

HANDLED

WESTERN PATTERN (AXE No. KP925)

Cut Shows Wedge Driven in Handle and Handle Pulled Open to Show Binding Effect Produced by Action of the Wedge.

Kind of Handle	Weights, Assorted	3/4	3½/4½	4/5	4½/5½
No. KP925AA —With No. AA Norleigh Diamond Octagon,	Per Dozen	$43 50	$44.50	$45 50	$46 50
No. KP925XAA—With No. XAA X Ligh Diamond Octagon	"	44 50	45 50	46 50	47 50
No. KP925BB —With No. BB Norleigh Diamond Oval	"	43 50	44 50	45 50	46 50
No. KP925CC —With No. CC Favorite Octagon	"	43.00	44 00	45 00	46 00
No. KP925DD —With No. DD Favorite Oval	"	43 00	44 00	45 00	46 00
No. KP925EE —With No. EE Tip Top Octagon	"	42 00	43 00	44 00	45 00
No. KP925FF —With No. FF Tip Top Oval	"	42 00	43 00	[illegible]	45 00
No. KP925LL —With No. LL Mound City Oval	"	40 50	41 50	[illegible]	43.50
No. KP925LLO—With No. LLO Mound City Octagon	"	40 50	41 50	[illegible]	43 50
No. KP925LOD—With No. LOD Live Oak Oval, Oak	"	42 00	43 00	[illegible]	45 00

One Dozen of Each Assortment of Weights in a Crate; Average Weight per Crate 75 lbs.

DIAMOND EDGE
Axe Wedge Used in all Our Handled Axes.

WESTERN PATTERN (AXE No. L850)

Cut Shows Handle Broken Open to Show the Two Round Slivers Cut by Wedge.

Kind of Handle	Weights, Assorted	3/4	3½/4½	4/5	4½/5½
No. L850AA —With No. AA Norleigh Diamond Octagon	Per Dozen	$41 50	$42.50	$43 50	$44 50
No. L850XAA—With No. XAA Norleigh Diamond Octagon	"	42 50	43 50	44 50	45.50
No. L850BB —With No. BB Norleigh Diamond Oval	"	41 50	42 50	43 50	44.50
No. L850CC —With No. CC Favorite Octagon	"	41.00	42 00	43 00	44.00
No. L850DD —With No. DD Favorite Oval	"	41 00	42 00	43 00	44.00
No. L850EE —With No. EE Tip Top Octagon	"	40.00	41 00	42 00	43.00
No. L850FF —With No. FF Tip Top Oval	"	40 00	41 00	42 00	43.00
No. L850LL —With No. LL Mound City Oval	"	38 50	39 50	40 50	41.50
No. L850LLO—With No. LLO Mound City Octagon	"	38 50	39 50	40 50	41.50
No. L850LOD—With No. LOD Live Oak Oval, Oak	"	40 00	41.00	42.00	43.00

One Dozen of Each Assortment of Weights in a Crate; Average Weight per Crate 75 lbs.

IRON BLOCK PLANES

★BRIDGE

Best Quality Cast Iron Body and Cap; Tool Steel Cutters, Tempered, Ground and Polished. Machined and Polished Cast Iron Face and Sides, Ground Face and Sides.

LEVER ADJUSTMENT

Blade Secured or Released by Turning Thumb Wheel; Longitudinal Adjustment Cutter.

	Each
No. BX103—6½ inches Long; 1¼ inch Cut; Wt. 1 lb.	$1.50

One in a Box

SCREW ADJUSTMENT

Blade Secured or Released by Turning Thumb Wheel; Longitudinal Adjustment of Cutter.

	Each
No. BX220—6¼ in. Long; 1⅝ in. Cut; Wt. 1⅓ lbs.	$2.20

TOY SIZE, PLAIN THROAT, WITHOUT HANDLE

For Amateurs Use and Boys Tool Chests, All Japanned; Ground Face and Blade; Cast Iron Body and Cap; Tool Steel Cutter; Tempered, Ground and Polished.

	Each
No. BX101—3⅛ inches Long; 1 inch Cut; Weight ⅓ lb.	$0.55

One in a Box

TOY SIZE, PLAIN THROAT WITH HANDLE

For Amateurs Use and Boys Tool Chests; All Japanned; Ground Face and Blade; Cast Iron Body and Cap; Tool Steel Cutter Tempered, Ground and Polished.

	Each
No. BX100—3⅛ inches Long; 1 inch Cut; Weight ⅓ lb.	$0.70

One in a Box

COMPARATIVE LIST OF WOOD PLANES

Showing Corresponding Numbers of Leading Manufacturers to Our Stock of Standard Planes.

KIND	Shapleigh Hdw. Co.	Auburn H. Tool C.	Chapin's Son	Sandusky Tool Co.	Sargent & Co.
Smooth, Single Iron	O 1	1	104	1	604
Smooth, Double Iron	O 3	3	112	3	612
Jack, Single Iron	O12	9	105	10	605
Jack, Double Iron	O15	12	113	13	613
Jack, Razee, Double	O17	16	113½	15	613½
Fore, Double Iron	O21	20	114	19	614
Jointer, Double Iron	O27	30-32	115	25	615
Tooth, Single Iron	30F	190	430	36	930
Bead, Single Boxed	37F	105	123	47	623
Bead, Double Boxed	38F	106	124	48	624
Scotia or Quarter Round	43½F	155	217	54	717
Dado, Side Stop	47F	176	138	60	638
Fillister, Side Stop	53F	119	148	67	648
Hollows and Rounds	72F	180	163	92	663
Match	75F	72	171	99	671
Nosing, One Iron	90F	...	...	...	...
Nosing, Two Irons	91F	189	133	113	632
Panel Plow	90½F	90	234	119	734
Panel Plow	101F	94	238	124	738
Rabbet, Skew	116F	181	157	146	657
Rabbet, Jack	119F	51-52	160	149	659
Rabbet, Jack	119½F	53-54	159	149	660

IRON BENCH PLANES

STANLEY

"BED ROCK" ADJUSTABLE

The cutter frog and bottom are so designed, machined and fitted that they are practically one solid piece of metal, thus preventing any chance of vibration. Particular attention is called to the shape of the side. This new and distinctive feature adds greatly to the strength of the plane as well as affording large bearing surfaces when the plane is used on its sides.

The frog may now be adjusted either forward or backward without removing the lever and cutter, simply slacken the tension of the two frog clamping screws "B," and with a screw driver adjust the frog as desired by means of the frog adjusting screw "C" in the center, and then tighten the frog clamping screws.

The cutter is adjustable endwise by means of the adjusting wheel at the back of the frog. It is also adjustable sidewise by lever located near the top and at the back of the cutter.

SMOOTH

Japanned Cast Iron Frame; Rosewood Handle and Knob; Finest Quality Tempered English Thin Steel Cutter; Ground and Honed ready for use.

Flat Bottom	Each
No. 602 —Leng. 7 in.; 1⅝in. Cutter; Wt. 2¼ lbs.	$6 00
No. 603 —Leng. 8 in.; 1¾ in. Cutter; Wt. 3¼ lbs.	6 80
No. 604 —Leng. 9 in.; 2 in. Cutter; Wt. 3⅝ lbs.	6.90
No. 604½—Leng. 10 in.; 2⅛ in. Cutter; Wt. 4¼ lbs.	8.00

Corrugated Bottom	Each
No. 603C —Leng. 8 in.; 1¾ in. Cutter; Wt. 3¼ lbs.	$6 00
No. 604C —Leng. 9 in.; 2 in. Cutter; Wt. 3⅝ lbs.	7.20
No. 604C½—Leng. 10 in.; 2⅛ in. Cutter; Wt 4¾ lbs.	8.40

One in a Box

Japanned Cast Iron Frame; Rosewood Handle and Knob; Finest Quality English Thin Steel Cutter; Ground and Honed ready for use.

JACK—Flat Bottom	Each
No. 605 —Leng. 14 inches; 2-inch Cutter; Weight 4¼ lbs.	$8 00
No. 605½—Leng. 15 inches; 2¼ inch Cutter; Weight 6½ lbs.	8 90

JACK—Corrugated Bottom	Each
No. 605C —Leng. 14 inches; 2-inch Cutter; Weight 4 ½ lbs.	$8 40
No 605½C—Leng. 15 inches; 2¼-inch Cutter; Weight 6½ lbs.	9.40

FORE	Each
Length 18 inches; 2⅜-inch Cutter; Weight 7½ lbs.	
No. 606 —Flat Bottom	$10 00
No. 606C—Corrugated Bottom	10 70

JOINTER—Flat Bottom	Each
No. 607—Leng. 22 in.; 2⅜ in. Cutter; Wt. 8¾ lbs.	$11 60
No. 608—Leng. 24 in.; 2⅝ in. Cutter; Wt. 9¾ lbs.	14.60

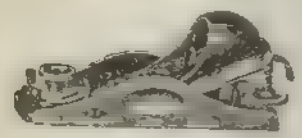
JOINTER—Corrugated Bottom	Each
No. 607C—Leng. 22 in.; 2⅜ in. Cutter; Wt. 8¾ lbs.	$12 20
No. 608C—Leng. 24 in.; 2⅝ in. Cutter; Wt. 9¾ lbs.	14 50

One in a Box.

IRON BLOCK PLANES

★DIAMOND EDGE

Refined Cast Iron Frame and Cap; Highest Grade English Tool Steel Thin Bit Cutter; Oil Tempered, Ground and Hand Sharpened.



REGULAR

Japanned Top, Cap and Trimmings: Polished Face and Sides; Brass Adjusting Nuts. Adjustable Throat which can be Quickly Opened or Closed for Fine or Coarse Work, by a Movement of the Cam Lever at Nose. Each

No. DE9½—6 ins. Long; 1⅝ in. Cut; Weight Each 1⅝ lbs.....$2 90

No. DE15—7 inches Long; 1⅝ in. Cut; Weight Each 1¾ lbs..... 3.10

One in a Box

KNUCKLE JOINT

Japanned Top; Polished Face and Sides, Nickel Plated Brass Adjusting Nuts Adjustable Throat which Can be Quickly Opened or Closed for Fine or Coarse Work, by a Movement of the Cam Lever at Nose. Each

No. DEX18—6¼ inches Long; 1⅝ inch Cut; Weight Each 1⅝ lbs..$3.90

One in a Box

LOW ANGLE

Japanned Top; Polished Face and Sides; Nickel Plated Cap and Nutse Adjustable Throat which Can be Quickly Opened or Closed for Fine or Coarse Work, by a Movement of the Cam Lever at Nose. Each

No. DEX60½—6 inches Long; 1⅝ in .Cut; Weight Each 1¾ lbs.. $3 10

No. DEX65½—7 inches Long; 1⅝ in. Cut; Weight Each 1⅝ lbs.. 3.30

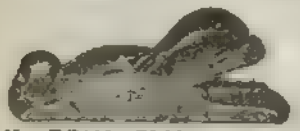
One in a Box

REGULAR; WOOD KNOB; ADJUSTABLE

Japanned Top and Caps; Polished Face and Sides; Beechwood Knobs. Adjustable Throat which can be Quickly Opened or Closed for Fine or Coarse Work, by a Movement of the Cam Lever at Nose. Each

No. DEX220—6¼ inches Long; 1⅝ inch Cut; Weight Each 1⅝ lb.$2 20

One in a Box



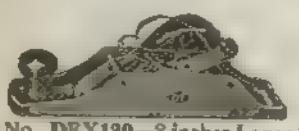
NON-ADJUSTABLE

Japanned Top and Cap; Polished Face and Sides; Beechwood Knob.

Each

No. DE110—7½ inches Long; 1⅝ inch Cut; Weight Each 1¾ lbs..$1.50

One in a Box



DOUBLE END NON-ADJUSTABLE

Japanned Top and Cap; Polished Face and Sides; Beechwood Knob. With Two Slots and Reversible Cutter Seat. Each

No. DEX130—8 inches Long; 1⅝ inch Cut; Weight Each 1¾ lbs....$2.20

One in a Box

Japanned Top and Cap; Polished Face and Sides. 5½ inches Long; 1¼ inch Cut.

Each

No. DE102—Non-Adjustable; Weight Each ¾ lb..... $1.10

No. DE103—Adjustable; Weight Each ¾ lb..... 1.50

One in a Box

With Handle

Japanned Top, Cap and Handle; Ground Face; Not Adjustable. Each

No. DE100—3½ inches Long; 1 inch Cut; Weight Each ½ lb.....$0 75

One in a Box.

Without Handle

Japanned Top, Sides and Cap; Ground Face; Not Adjustable. Each

No. DE101—3½ inches Long; 1 inch Cut; Weight Each ⅜ lb..... $0.60

One in a Box

ADJUSTABLE IRON BLOCK PLANES

*BRIDGE

Best Quality Cast Iron Body and Cap; Tool Steel Cutters, Tempered, Ground and Polished. Machined and Polished Cast Iron Face and Sides; Ground Face and Sides.

Japanned Top and Cap; Polished Bottom and Sides; Brass Adjusting Nut; Adjustable Throat which Can be Quickly Opened or Closed for Coarse or Fine Work; Sides are Depressed to Give Firm and Longitudinal Adjustment. Each

No. BX9½—6 inches Long; 1¾ inch Cut; Weight Each 1⅛ lbs....$3.00

One in a Box

WITH KNOB HANDLE

Japanned Top and Cap; Polished Bottom and Sides; Brass Adjusting Nut; Adjustable Throat which Can be Quickly Opened or Closed for Coarse or Fine Work; Sides are Depressed to Give Firm Grip Hold on Tool; Lateral and Longitudinal Adjustment. Each

No. BX15—7 inches Long; 1⅝ in Cut; Weight Each 1⅝ lbs.....$3 20

One in a Box

KNUCKLE JOINT

Japanned Top; Polished Face and Sides; Nickel Plated Brass Adjusting Nuts and Trimmings; Adjustable Throat which Can be Quickly Opened or Closed for Coarse or Fine Work. Sides are Depressed to Give Firm Grip Hold on Tool; Lateral and Longitudinal Adjustment. Each

No. BX18—6¼ in. Long; 1⅝ in. Cut; Weight Each 1⅝ lbs.....$3.80

One in a Box

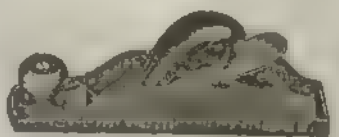
LOW ANGLE

Japanned Top; Polished Face and Sides; Nickel Plated Brass Adjusting Nuts and Trimmings. Adjustable Throat which Can be Quickly Opened or Closed for Coarse or Fine Work. Sides are Depressed to Give Firm Grip Hold on Tool. Lateral and Longitudinal Adjustment. Each

No. BX60½—6 inches Long; 1⅝ inch Cut; Weight Each 1¾ lbs....$2.90

No. BX65½—7 inches Long; 1⅝ inch Cut; Weight Each 1⅝ lbs.....3.30

One in a Box



NON-ADJUSTABLE, DOUBLE END

Japanned Frame and Trimmings, Nickel Plated Adjusting Screw and Walnut Knob; Has Two Slots and a Movable Cutter Seat; Cutter can be Removed and Seat Reversed when it is Desired to Use the Tool as a Nosing Plane when Working up to Walls or into Corners. Each

No. BX130—8 in. Long; 1¾ in. Cut; Weight Each 2 lbs..... $3.20

One in a Box

NON-ADJUSTABLE

Blade Secured or Released by Turning Thumb Wheel. Cast Iron Body and Cap, Japanned; Ground Face and Blade; Tool Steel Cutter, Tempered, Ground and Polished. Each

No. BX102—5½ inches Long; 1¼ inch Cut; Weight Each ¾ lb.....$1.10

One in a Box

NON-ADJUSTABLE

Blade Secured or Released by Turning Thumb Wheel; Cast Iron Body and Cap, Japanned, Ground Face and Blade; Tool Steel Cutter, Tempered, Ground and Polished. Each

No. BX110—7½ inches Long; 1¾ in. Cut; Weight Each 1¾ lbs.....$1.50

One in a Box

This is

The BROWNEE Fruit Press

It sells like Movie Tickets, Saturday Nights

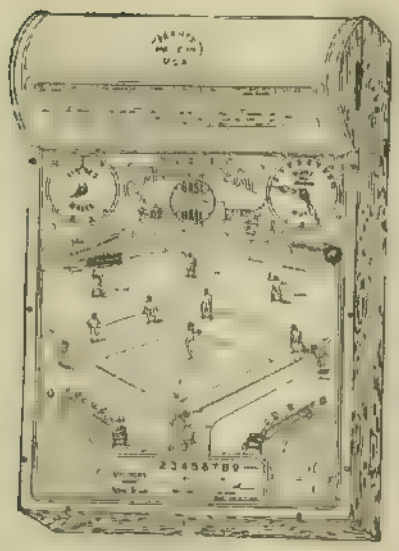
The Brownee is a success. It sells—and sells big in city and country. Last year we sold in Pennsylvania alone 8,000. The Brownee is something that people want. They buy it as soon as they know about it.

At five dollars retail (East of the Mississippi), it is a good buy for householders, because it is so staunchly made and so free from the objections of old-fashioned fruit presses. It's made from solid oak and aluminum. There's not a part that can rust. Fruit acids can't harm the Brownee. It hasn't a bit of paint on it.

The Brownee is made in only one size—eight-quart capacity. It is meant for home use. Anyone can use it. Don't you want some Brownee profits? Sold only through jobbers. If yours hasn't the Brownee, send us his name and address.

M. J. BROWN MFG. COMPANY
2671 Salmon St. Philadelphia, Pa.

BASE BALL GAME



Every play known to the "National Pastime" instantly recorded on revolving drum. By pressing on the push button the wheel is started to spin revealing the plays opposite the space, which shows condition on bases.

The plays that can be made on this board have been complied from the actual plays in the world games of a number of seasons.

Fans are enthusiastic about the game as it fills in the long gaps between regular games. It makes fans of the ladies and children who have never seen a game as it teaches them how the actual games are played. It is not only a fine thing for homes but for club rooms; news stands, recreation centers; Y. M. C. A'S, wherever a bunch of youths or men gather.

This is a product of quality and will last for years. It is not alone a holiday game but an all around seller. Finished in handsomely lithograph diamond in four colors.

No. 100—Size of board 9x13½ in.,
per dozen $30.00

EACH GAME IS PACKED IN A SEPARATE CARTON, SHIPPING WEIGHT TWO POUNDS. ONE DOZEN CARTONS IN A BOX

The Child's Dream Come True

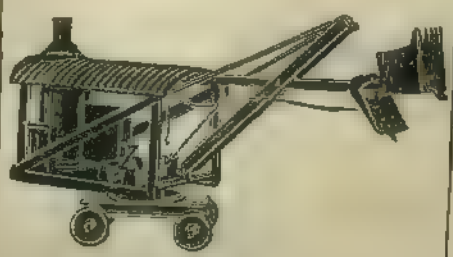
BUDDY "L" TOYS

Realistic and sturdy playthings of true educational value, **all steel construction throughout,** spot welded and riveted at every point and given two coats of baked-on automobile enamel finish in colors.

No. 200—"Buddy L" Express Body Truck; length 23¾ in., height 9¼ in. wheels 4¼ in. diameter; an exact minature of a standard truck, and steers exactly like one, with real steering knuckles and column, pressed steel farme, braced, riveted and finished in baked-on red enamel, 16 to 22 gauge sheet steel body, hood, fenders and running boards, all spot welded throughout and finished in baked-on glossy black automobile finish, wheels of solid aluminum, giving the appearance of real rubber tires the year round, weight but 9 lbs., yet will stand the weight of a man, equipped with hemp water proof non-curing pulling cord,

each $7.80

ONE IN A BOX



No. 220—"Buddy L" Steam Shovel; length overall 25¾ in., height 13 in., same all steel construction and finish throughout as all other "Buddy L" playthings, swings clear around, scoops, elevates, unloads and does just the same kind of work as the "big ones", w't 8 lbs.,

each $7.20

ONE IN A BOX

THE RONSON REPEATER

It FLASHES like a Real Gun in Action

The Safe Toy Pistol That Every Boy Wants

Strong and durable; made of steel; gun metal finish. Does not use caps or powder— absolutely harmless— complies with the laws of all states. It comes loaded ready for 5,000 shots. Any boy or girl can reload it in a jiffy.

At the pull of the trigger there is a bright flash and a cloud of smoke from a small steel wheel that automaticaly revolves against the Ronson Reload inside the gun. It's the most realistic toy pistol ever produced.

A strong, bright flash shoots out several inches beyond the muzzle of the gun—yet this flash is absolutely harmless since the sparks carry no heat and cannot possibly burn.

No. 35—W't per doz. 2½ lbs.,
per dozen $4.00

ONE IN A BOX TWELVE IN A OUTER DISPLAY CARTON WITH ADVERTISING MATTER

RONSON REDSKIN RELOAD

Nothing but Ronson Redskin Reloads will make the FLASH in the Ronson Repeater. Be sure you get the genuine.

No. 40—Per dozen $0.70

ONE DOZEN ON A CARD

TOYS FOR GIRLS

BISSEL'S TOY SWEEPERS

Made in an entirely new way, easily the neatest, most attractive and best mechanically, of any toy sweeper on the market.

Ranks high as an educational toy—pleases the youngsters and fosters a habit of neatness that appeals to mothers.

"LITTLE DAISY"

Finished deep blue with lettering and border stripes in pale yellow. The handle is stained to match the case, wheels are red and the brush pulleys natural. The bright coppered bail harmonizes attractively with the blue.

This model is 7 in. long 4½ in. wide and 2 in. high, with 24 in. handle, w't per doz. 10 lbs.

No. 1—In lots of less than 3 dozen, per dozen $4.30
No. T35—In lots of 3 dozen, per dozen $4.00
No. T65—In lots of 6 dozen, per dozen $3.84
THREE AND SIX DOZEN IN A CARTON

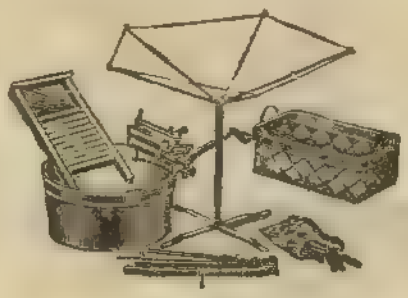
"LITTLE QUEEN"

The "Little Queen" is larger than the "Daisy", finely finished and all together a very fine toy sweeper. The case has a gloss mahogany grain finish with gilt lettering. The handle and brush pulleys are stained mahogany with shellac finish, the wheels being a gloss black, while the bright copper finished bail adds richness to the whole. Size 7¾ in. long, 4½ in. wide and 2 in. high, handle 24 in. long, w't per doz. 12 lbs.,

No. 2—In lots of less than 3 dozen, per dozen $6.30
No. T30—In lots of 3 dozen, per dozen $6.00
No. T60—In lots of 6 dozen, per dozen $5.80
THREE AND SIX DOZEN IN A CARTON

TOY LAUNDRY SETS

Strongly made, nicely finished, attractive color combinations. Washboard 12 in. long, natural finish, California redwood, rubbing surface moulded crystal glass 4½×6 in.; metal wash tub, 10 in. in diameter, 5 in. deep, made of heavy sheet steel enameled dark blue outside, white inside; clothes dryer, revolving type, collapsible, with 5 ft. of line; clothes pin bag, fabric showing scenes from nursery rhymes, 4½×6½ in., contains 12 pins, wringer all metal, electro galvanized, ¾×4 in., rubber rolls, removable crank handle, permits turning backward and forward, basket substantially made, 11½×7½×4½ in.



No. 2.

No. 1—Set includes four pieces, washtub, dryer, wash board and clothes pins, w't per doz. sets 36 lbs., per dozenn sets $16.00

No. 2—Set includes six pieces, wash tub, wash board, dryer, wringer, clothes basket, clothes pins, w't per doz. sets 58 lbs., per dozen sets $35.00
HALF DOZEN SETS IN A CARTON

No. 3—Set includes 8 pieces, wash tub, clothes reel, wash board, bag of clothes pins, wringer, basket, ironing board and sad iron, Ironing board, wood top 5½×20 in; steel legs, finished in blue enamel 16½ in. high, foldable; Sad Iron base 4½×2 in. nickel plated and polished, handle detachable, w't per doz. sets 100 lbs., per dozen sets $47.00
QUARTER DOZEN SETS IN A CARTON

TOY WAFFLE IRONS

No. 815—Stover Junior, practical and useful; The same careful attention to detail and workmanship perfection as shown in a large size iron; The teeth on the Stover plates are so designed and arranged that they make the waffle of uniform thickness .....per dozen $7.50
ONE IN A BOX, TWO DOZEN IN A CARTON

TOY EGG BEATER

No. 115—A real smooth working miniature Egg Beater, perfect in all details and proportions; It is made as carefully as an adult's beater of high grade steel, brightly trimmed to prevent rust; Works perfectly and will last indefnitely, w't per doz. 1¼ lbs. .....per dozen $1.80
ONE DOZEN IN A BOX

EXHAUST HORNS

AERMORE

Can be attached to the exhaust pipe of any car between the engine and the muffler by means of a valve operated by the foot pedal. Constructed of brass and steel nickel plated; does not become clogged; no moving parts to get out of order. Each horn complete with pedal, cable, pulley, elbow and valve.

Guarantee—Every Aermore is tested before shipped. Its tone, material and workmanship are guaranteed. If, for any reason, the horn does not work satisfactorily, return to factory and we will correct the fault, free of charge

17-inch Aermore outfit complete. This horn is especially designed for large cars, trucks and tractors, gives a deep rich chord.

No.	Wt. each	Each
0	4½ lbs	$18.40

15-inch Aermore outfit complete. The No. 1 is recommended for medium weight cars and light tractors Can be used on Fords, if an especially deep tone is desired

No.	Wt. each	Each
1	3½ lbs	$15.30

Ford Special Outfit, including Aermore (Ford size) valve, elbow, etc., and hand control, all in one container.

	Wt each	Each
Ford Special Outfit	4½ lbs	$11.00

Note—When ordering always give size of valve (outside diameter of exhaust pipe) or name and model of car, truck or tractor to which it is to be attached.

One outfit in a carton.

EXTRA VALVES FOR AERMORE HORNS

STYLE G

For attachment between engine and muffler, by cutting a section of exhaust pipe and inserting valve. Recommended as best position to install, where possible. Sizes, 1¼, 1⅝, 1½, 1⅝, 1¾, 1⅞, 2, 2¼, 2⅜ and 2½ inches.

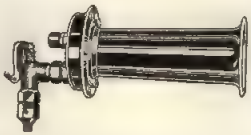
Style	Wt. each	Each
G	2¼ lbs	$2 80

One in a carton.

AUTO HORN

BUELL TURBO

FOR ALL PASSENGER CARS AND MOTOR TRUCKS



A distinctive new type of warning signal, utilizing the explosion pressure through priming cup opening in cylinder head, using the same valve mechanism which has proven so successful in the Buell Explosion Whistles.

The high pressure gas of the explosion is used to operate a small turbine which carries a cam engaging a diaphragm, as used in the motor driven electric horn. In other words, it takes its mechanical power direct from the explosion of the cylinder, instead of the devious circuit through engine, generator, battery and electric motor, each with its considerable loss of efficiency in transmission of power.

There is but one moving part in the Buell Horn, making it a signal with the maximum certainty of operation.

Comes complete with valve, steering wheel lever and enclosed wire control.

Size over all	Pipe thread	Wt each	Each
4¼x7 in.	⅛ in.	2¼ lbs	$10 50

One in a carton.

GRADOMETERS

FRENCH

Consists of a curved glass tube filled with spirits, and small steel ball, leaving a small bubble, as in a spirit level tube. The ball being very sensitive, enables one to ascertain the grade almost instantly. Nickel finish

	Wt each	Each
French Gradometer	2 ozs.	$2.30

One in a carton

AMERICAN

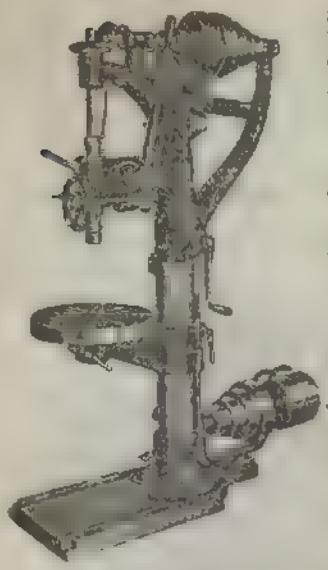
This is similar to the French make, but does not contain steel ball. The American is considered the most accurate type of grade meter made. It is very sensitive and gives quick accurate reading; Made of highly polished nickel plated brass and is an ornament to the car.

	Wt. each	Each
American Gradometer	2 ozs.	$3 20

One in a carton.

PEDESTAL DRILLS

BUFFALO



Split Bearings, Adjustable for Wear.
Ball Bearing, Spindle Bearing.
Graduated Spindle.
Adjustable Handle; can be Used on Either Side
Automatic Feed Stop; Independent of Lever Feed.
Wheel Feed Worm Runs in Oil.
Cut Back Gears, Extra Heavy, Thrown in by Movement of Hand Lever.
Head Frame Casting, One Piece.
Table Lathe Turned, Operating Screw on Ball Thrust.
Height of Drill, 74 inches.
Diameter of Pedestal, 5½ inches.
Diameter of Table, 15½ inches.
Diameter of Spindle in Sleeve, 1⅜ inches; Above Sleeve, 1¼ inches.
Travel of Spindle, 8½ inches.
Tight and Loose Pulley, 8x3 inches.
Speed, 300 R. P. M.
Crown Gear, Diameter 5⅛ inches.
Cone Pulley; Largest Diameter, 9 inches; Smallest Diameter, 4 inches Width Steps, 2⅛ inches.

Has Eight Speeds and Three Power Feeds, Together with Hand and Lever Feeds. Gear Guard, Pinion Drive to Back Gears, Direct Drive by Disengaging Small Knurled Knob in Line Bet. Back Gear. Throw-in Back Gears with Hand Lever and Locking into Place with Screw Provided. An Adjustable Automatic Trip is Provided to Throw Out Power Automatically when Piece Has Been Drilled to the Required Depth.

Each

✣No. 1 —20 inch Plain Lever Feed; Weight Each 920 lbs..... $273 00

✣No. 2 —20 inch Lever and Wheel Feed; Weight Each 940 lbs . 297 50

✣No. 3 —20 inch Lever and Wheel Feed; with Automatic Feed and Stop; Weight Each 950 lbs..... 310 00

✣No. 4 —20 inch; Back Geared with Wheel Feed; Weight Each 940 lbs..... 322.50

✣No. 5 —20 inch; Back Geared; with Wheel and Automatic Feed and Stop; Weight Each 960 lbs.. 347 00

Regularly Furnished for No. 3 Taper Drills, Can be Furnished for No. 4 Taper Drills when so Specified.

One in a Crate

Machine Cut Gears; Ball Bearing Spindle; "Sure-Grip" Chuck which Locks or Releases Drill with a Half Turn; Automatic Feed Adjustable to Four Speeds. Multi-Compound Lever Feed is Obtained by Planetary Gears and the Rack on Feed Head Operated by Four Arm Lever. A Slight Pressure on the Lever Forces the Drill Through the Work at Maximum Speed.

Sliding Collars: One Sliding Collar is Arranged at Feed Head for Changing from Lever to Automatic Feed or Back. The Other is at Lower End of Fly Wheel Shaft, for Change from Slow to Fast Speed, or Back. **Either Change is Made in a Second—the Collar Will Slide Regardless of Position of Key, and Seat Itself Automatically.**

Height 78 inches; Run of Feed 8 inches; Run of Table 20 inches; 8x3 inch Tight and Loose Pulley; Drills to Center of 24-inch Circle.

Wheel Holder Furnished with Each Drill. Slotted Base Will be Furnished When so Specified.

Capacity 1½ inch Holes in Steel

Each

✣No. 124C—For Hand Operation; Weight Each 610 lbs.....$131.00

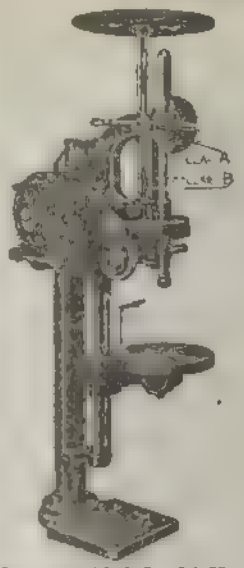
✣No. 124CA—For Hand and Power Operation; Weight Each 630 lbs 139 00

Spindle Bored for ½ inch Straight Shank Drills. When so Specified Will be Furnished for 41/64 inch or No. 2 Taper Drills

One in a Crate

PEDESTAL DRILLS

BUFFALO



Complete with Motor

Gear Drive, which Can be Slipped Out of Gear for Hand Operation; Sure-grip Chuck Locks or Releases Tool by a Half Turn; All Gears Machine Cut. Spindle Can be Raised and Lowered by Four Arm Lever, Saving Time on Small Holes and Fast Work; for Larger Work the Automatic Feed is Used. Gear Guard and Wheel Holder Furnished with Each Drill.

Chuck is Bored for ½ inch Straight Shank Drills. When so Specified Can be Furnished for 41/64 or ⅝ inch.

Height 78 inches; Run of Feed 8 inches, Run of Table 20 inches; Drills to Center of 24 inch Circle.

With 110 or 220 Volt Direct Current Motor

Each

✣No. 124CE½DC—½ H. P. Motor; Capacity 1¼ inch in Steel; Weight Each 660 lbs.....$286 00

✣No. 124CE½DC—½ H. P. Motor; Capacity 1½ inch in Steel; Weight Each 670 lbs.....359.00

With Single Phase 60 Cycle Motor Each

✣No. 124CE½AC—½ H. P. Motor; Capacity 1¼ inch in Steel; Weight Each 660 lbs. $285.00

✣No. 124CE½AC—½ H. P. Motor; Capacity 1½ inch in Steel; Weight Each 670 lbs. 401 50

Slotted Base Furnished if so Specified

One in a Crate

POST DRILLS

BUFFALO

Automatic Feed is Adjustable to Four Speed; Spindle Has Two Speeds. Machine Cut Gear; Capstan Four Arm Lever Hand Feed; "Sure Grip" Chuck Locking or Releasing Drill with a Half Turn of Chuck.

Multi-Compound Lever Feed; a 1 inch Hole can be Drilled with this Lever. This Feature is obtained by the Strong and Simple Rack on Feed Head, Operated by the Four-Arm Lever. By Maintaining a Light Pressure on the Latter, the Drill is Forced Through the Metal with Maximum Speed, Resulting in a Great Saving of Time.

Sliding Collars: One Sliding Collar is Arranged at Feed Head for Changing from Lever to Automatic Feed or Back. The Other is at Lower End of Fly Wheel Shaft for Change from Slow to Fast Speed or Back. The Collar Will Slide Regardless of Position of Key, and Seat Itself Automatically.

The Planetary Gears on the Automatic Feed are the Most Modern Reduction Gearing Known, Stronger and Simpler Than the Customary Worm or Screw.

Wheel Guard and Gear Guard Included with Each Drill.

Height 72 inches; Capacity up to 1½ inch Holes Drills to Center of 24 inch Circle; Run of Feed 7¾ inches, Run of Table 20 inches; 8x3 Tight and Loose Pulley.

Each

✣No. 124—For Hand Operation; Weight Each 370 lbs.....$105.50

✣No. 124A—For Hand and Power Operation; Weight Each 390 lbs. 114 00

Height 69 inches; Capacity up to 1½ inch Holes; Drills to Center of 21 inch Circle; Run of Feed 7¼ inches, Run of Table 17 inches; 8 inch Power Tight and Loose Pulley.

Each

✣No. 121—For Hand Operation; Weight Each 310 lbs..... $68 50

✣No. 121A—For Hand and Power Operation; Weight Each 330 lbs. 97 00

Spindle Bored for ½ inch Straight Shank Drills. When so specified can be Furnished for 41/64 inch or No. 2 Taper Drills.

One in a Crate

Items Marked ✣ Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory, Buffalo, N. Y.

POST DRILLS

BUFFALO

UPRIGHT; BALL BEARING

The Ball Bearings are Used at the Point of Greatest Friction and Are the Connection of the Fast Running Drill Spindle with the Feed Screw (Not on the Slowly Rotating Feed Mechanism) Reducing the Friction, and Saving one-third of the Power.

All Drills on this Page are furnished with the Buffalo Improved Chuck. Insert the Bit with the Flat of Shank directly in Line with the two 'O's stamped in Spindle, turn the Collar half-way to the left and the Bit is securely locked. The Simplest, Safest Chuck Made. No Set Screw to twist. No Threads to Strip. No Wrench required.

Of Especial Construction Heavy Cast Iron Wheels, Swing Table and Support, Polished Steel Drill Spindle, Table Post, Shaft, Axles and Chucks.

Automatic Self Feed and Hand Feed, with Quick Return of Spindle. Non-Reversing Back of Feed Wheel for Drilling.

Slotted Swing Table Adjustable Up and Down; Machine Cut Gears, Milled Teeth; All Bearings are Bored and Reamed in the Solid Metal; No Liners being used.

TWO-SPEED—Hand and Automatic Feed. The Automatic Feed is Speeded Three to One.

Drills Holes up to 1¼ inches to the Center of a 15-inch Circle. Takes Drills with 1¼-inch Straight Shank; Diameter of Spindle 1⅛ inches; Run of Table 10½ inches; Run of Feed 3¼ inches; Diameter of Feed Wheel 6 inches; Diameter of Balance Wheel 13 inches; Length of Crank 14 inches; Diameter of Table Post 1⅛ inches; Bolted to Plain Oak Upright 42x5 inches; Length over all 38 inches.

Each

No. 615—For Hand Power Only; Weight Each 90 lbs..... **$21.30**
One in a Crate

TWO SPEED—Automatic and Multi-Compound Capstan Lever Feed. The Automatic Feed is Adjustable to Four Speeds.

Change is quickly accomplished by Sliding Collars; one arranged at Feed Head for changing from Lever to Automatic Feed or back. The other is at lower end of Fly Wheel Shaft, for change from slow to fast speed, or back.

Drills Holes up to 1⅛ inches to Center of 16 inch Circle; Takes ¼ inch Straight Shank Bits; Diameter of Chuck 2¼ inches; Spindle 1⅜ inch [illegible] of Table 18 inches, Run of Table 15 inches, [illegible] Diameter of Feed Wheel 6 inches, Bolted to Plain Oak Upright 42 inches long, 5 inches wide; Length over all 63 inches.

Each

✣No. 116—For Hand Power only; without Pulleys; Weight Each 250 lbs **$67 50**

✣No. 116A—For Power and Hand; with Tight and Loose Pulleys; Size of Pulleys 8x3 inches, Weight Each 270 lbs..... **76.00**
One in a Crate

TWO-SPEED—The Crank Can be Instantly Shifted to the Hub of Either Gear so That Two Speeds can be Obtained; An Idler Between the Gears Allows the Crank to be Turned Forward with Both Speeds.

Machine can be Changed Instantly from Hand to Automatic Feed by Simply Sliding the Collar on the Feed Head. The Collar will Slide Regardless of the Position of the Key and will Seat Itself Automatically.

Drills to Center of 17 inch Circle; Drills Holes up to 1¼ inches; Spindle Diameter 1¼ inches; Run of Feed 6 inches; Run of Table 14 inches; Length Over All 50 inches; Size of Pulley 8x3 inches

Each

✣No. 117—For Hand Power Only; Without Pulleys; Weight Each 180 lbs..... **$40 00**

✣No. 117A—With Pulleys; Weight Each 180 lbs..... **45 50**
One in a Crate

THREE-SPEED—Hand and Automatic Feed Drill. Automatic Feed Speeded Three to One; Drills Holes up to ¾ in. to the Center of a 12 in. Circle; Takes Drills with ½ inch Straight Shank; Diameter of Spindle 1⅛ in.; Diameter of Table Post 1½ in; Diameter of Table 6 inches; Run of Table 9 inches; Run of Feed 3 inches; Length of Crank 10 inches; Diameter of Balance Wheel 13 inches; Diameter of Feed Wheels 6 inches; Size of Back Board 33x4½ inches.

Each

No. 611—Weight Each 63 lbs..... **$15 50**
One in a Crate

THREE-SPEED—Hand and Automatic Feed Drill; The Automatic Feed Speeded Three to One.

With Buffalo Improved Chuck; Drills Holes up to 1 inch to center of 12 inch Circle; Takes Drills with ½ inch Straight Shank; Diameter of Spindle 1⅜ inches; Diameter of Table Post 1½ inches; Diameter of Table 6 inches; Run of Table 9 inches; Run of Feed 3 inches; Length of Crank 10 inches; Diameter of Feed Wheel 6 inches; Size of Back Board 33x4½ inches.

Each

No. 612—Weight Each 65 lbs..... **$17 70**
One in a Crate

THREE-SPEED—Hand and Automatic Feed The Automatic Feed is Speeded Three to One.

Drills Holes up to 1¼ inches to the Center of a 15½ inch Circle; Takes Drills with ½ inch Straight Shank; Diameter of Spindle 1⅜ inches; Size of Table 10x10 inches; Diameter of Table Post 1¾ inches; Run of Table 12 inches; Run of Feed 3¼ inches; Diameter of Feed Wheel 5 inches; Diameter of fly wheel 13 inches; Length of Crank 14 inches; Bolted to Plain Oak Upright 42x5 inches; Length over all 38 inches.

Each

No. 616—Hand Power Only; Weight Each 115 lbs..... **$30 50**

No. 616A—For Power and Hand; Diameter of Pulleys 6 inches. Weight Each 125 lbs..... **37.00**
One in a Crate.

Items Marked ✣ Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory Buffalo, N. Y.

SEVENTH ANNUAL BLUE RIBBON SALE

Genuine Durham
Smoking Tobacco

Everybody knows "Bull" Durham. Take advantage of its national reputation and push for sales. We bought a large quantity from the Government and pass the savings on to you.

1Y8300—5c oz. pkg. 6 doz. pkgs. in carton.
Doz. pkgs. 42c Gro. pkgs. **$4.70**

1Y8404—1½ oz., extra size pkg. 4 doz. pkgs. in carton.
Doz. pkgs. 75c Gro. pkgs. **$8.60**

1Y2387—"Fighting Bob" corn cob pipe, bone bit ..... Doz. 79c

See page 414

6 Qt. Aluminum Kettle

A Windsor pattern kettle at an extraordinary bargain price in an advancing market!

T3656—8 qt. 20 gauge aluminum, highly polished outside, emery finish inside, with wiping ears, wire bail, wood staple on cover, each piece stamped "Pure Aluminum" and wrapped. 1 doz. in carton
Doz. **$8.95**

T3676—11½x5⅛ in. aluminum colander..... Doz. $7.95

See page 92

Vivaudou's Famous
"Mavis" Talc
"IRRESISTIBLE"
New Handy Package

We have secured and will distribute the entire factory production of this new handy package

This cut illustrates the actual size of the handy package

1Y5800—"Mavis," 1⅛x1⅛x3⅝ ins., pure white soft powder, exact replica of the regular size. 2 doz. in box
Doz 96c
GRO. **$11.25**

1Y6151—"Air Float" talcum, 4 odors. Doz. 80c

See page 402

SENSATIONAL!

Gillette

Original Genuine "Gillette" Razors
Nickel Plated and Gold Plated

Here's a tremendous opportunity for merchants to get big business quick. Butler Brothers are the first to offer this nickel plated razor for 55c and gold plated razor for 67½c. Remember, they are the genuine "Gillette."

G8025—Nickel plated holder, bright finish, 3 double edged blades in sealed pkg., imitation leather covered metal case.
Lots of 12 sets, Set, 55c
Lots of 60 sets, Doz. 52½c

G8028—Gold plated holder, bright finish, 3 double edged blades in sealed pkg., imitation leather covered metal case.
Lots of 12 sets, Set, 67½c
Lots of 60 sets, Set, 66c

"GILLETTE" SAFETY RAZOR BLADES

Wider thin, double edged, extremely hard, require no stropping

G1000—6 blades in pkg., 10 pkgs. in carton
Pkg. 34c
(Total $3.30)

G1007—1 doz. blades in pkg., 10 pkgs. to carton
Pkg. 68c
(Total $6.80)

G8020—"Gillette" new improved safety razor. Lots of 12 sets, Set, $3.37½

See page 26

4 Sewed Corn House Broom

This quotation is below the market because we bought ahead of the last price advance.

W3991—Good quality all corn, 4 sewed, wire bound velvet trim neck, attractive label. About 21 lbs. to doz., 4 doz. in bdl.
Doz. **$6.25**

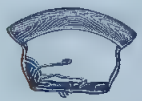
W1931—7½ in. fiber whisk broom. Doz. $1.95

See page 156

SEVENTH ANNUAL BLUE RIBBON SALE

Potts' Sad Iron Handle

A high grade hardwood handle as a possible 10 center for the first time in several years.



1H5179—Richly polished, hard maple handle, black caps; not 10 grade; will scratch or, guaranteed coil spring fits hand perfectly. 1 doz. in pkg. DOZ. **89c**

1H3746 — Potts' pattern sad iron set ..... Set, $1.08

See page 16

"Belmont" Electric Iron

An unconditionally guaranteed superior quality electric iron which you can sell us a leader value at $4.00 each.

1H3408—6 lbs., cast iron heavy nickel plated over copper, heating element of chromel wire insulated by heavy sheets of natural mica arranged to give complete safety, hot pad, black enameled wood handle, each wrapped separate with detachable blue 6 ft. special cord, socket plug and 7" deck steel stand with nickel plated edges. 1 in carton.

Each, **$2.85**

Lots of 6 " **2.75**

1H5144 — "Hold-Heet" electric toaster. Each, $3.25

See page 30

Approved 2 Way Plug

An Underwriters' approved plug which you can offer to your trade at from 40c to 50c each.

1H5081—Brushed brass shell unbreakable, light weight steel at top where to baseboard receptacle permits double service from electrical equipment. Box.

Each, **$0.30**

Lots of 10, " **.27**

" 100, " **.25**

1H9288—"Yost" Key socket. Lots of 10, Each, 18c " " 25, " 17c

See page 40

"Popular" Rubber Lawn Hose

The biggest hose bargain of the season. Try to match it.

2H2147—5/8 in. 4 ply guaranteed good quality rubber moved plaided couplings both ends test pressure 300 lbs., working pressure 60 lbs. 50 ft. lengths, FT. **9½c**

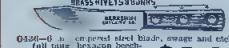
2H3644 — "Shower" lawn sprinkler.....Doz. $4.25

See page 71

6 In. Butcher Knife

Beechwood Handle

Full tang, brass rivets and burrs. An exceptional value to offer as a 25 center.



0436—6 in. tempered steel blade, swage and etched, full tang hexagon beechwood handle, 3 brass rivets and burrs. 1 doz. in DOZ. **$2.00**

G1347—"NeverDull" butcher Knife asst., 6 styles. Doz. $4.25

See page 23

Mop Holder With Handle

A challenge bargain made possible through our great 5-house buying power.

W1303—Improved stamped steel head, extra heavy coil spring and screw, 44½ in. hardwood handle. 1 doz. in bdl. 12 lbs. DOZ. **$1.30**

W9725—"Snow Bird" oil mop .....Doz. $4.25

See page 142

"Superior" Vacuum Tungsten Lamps

Because we bought in such huge quantities we can make these low prices.

110 volt to 115, unskirted bulb, clear glass, estimated life 750 to 900 hrs.

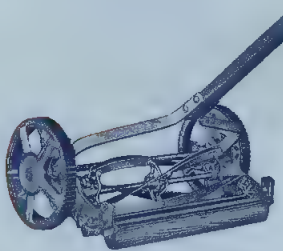
Watts C. P.	Lots of 5 Each	Lots of 50 Each
2C4335—25 23..	$0.24	$0.23
2C4343—40 38..	.24	.23
2C4351—60 48..	.24	.23
2C4336—60 60..	.27	.26

2C4345—"Superior" 75 watt, nitrogen tungsten lamp. Lots of 5, Each, 45c Lots of 50, Each, 43c

See page 175

"Lawn King" Ball-Bearing Lawn Mower

The season's biggest lawn mower bargain. By placing an immense order for one size we were able to force the price down. You will pay one-third more elsewhere for a mower of this quality and construction.



2H148—Four 16 in. cry. die steel blades, full ball-bearing, self-adjusting 9 in. open drive wheels, heavy center bar of high carbon steel, easy running and close cutting, aluminum finish, striped with bright red. 1 in box, 60 lbs. EACH, **$7.50**

2H1822 — "Belmont" 14 tooth garden rake Doz. $4.85

See page 70

"Mazda" Vacuum Tungsten Lamps

37½ under the regular list price. A "knockout" bargain you can't afford to miss.

2C4302—25 watt, 23 candle power, 110 volt, clear glass, estimated life 800 to 1,000 hours. Not more than one case (100 bulbs) to a customer.

Each, **26c** Lots of 50, Each **25c**

2C4312—"Mazda" 60 watt vacuum tungsten lamp. Lots of 5, Each, 36c Lots of 50, Each, 35c

See page 175

COASTER WAGONS
BURNHAM

Constructed So As To Withstand Hard Usage; Exceptionally Well Built.

SPECIFICATIONS

Roller Bearings Used in All Sizes Except 2 BC.

Box—Southern White Ash; Removable; No Sharp Edges; Box Ends Mortised Into Sides.

Bed—Southern White Ash; Boards Matched and Held Together With Heavy Cleats.

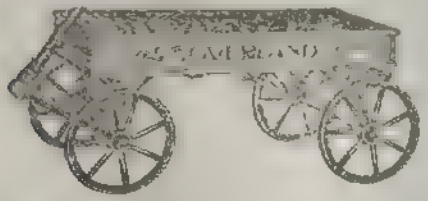
Bolsters—Selected Hickory; King Bolts Pass Clear Through.

Wheels—Malleable Iron, Roller Bearings.

Axles—Cold Rolled Steel.

Nos.	✣2BC	✣3BC	✣4BC
Body, inches	12x28	14x34	16x36
Diameter Wheels, inches	8	10	10
Bearings	Plain	Roller	Roller
Weight per Dozen, lbs.	236	336	386
Dozen in Carton	1/6	1/12	1/12
Per Dozen	$106 70	144 00	152 00

OVERLAND



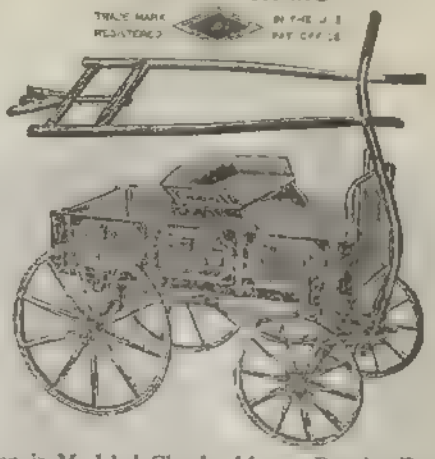
A Coaster Wagon With Perfect Steering Mechanism, Which Operates Equally Well With Express Box On or Off; Equipped With Hand Brake; Large and Strong Malleable Fifth Wheel; Hard Maple Pole; Attractively Finished.

Body—White Ash Bottom with Removable Express Box.
Gear—Steel; Channel Steel Arch Construction
Axles—Round Steel ⅝ inch.
Wheels—Steel Rims and Tires with Iron Hubs; Hard Steel Roller Bearing ⅞ inch Hard Maple Spokes

	Per Dozen
No. H0A—Size of Body, 12x28 inches; Wheels, 8 inches; Weight per Crate, 42 lbs.	$110 00
No. H1A—Size of Body, 14x32 inches; Wheels, 8 inches; Weight per Crate, 56 lbs.	$130.70
No. H2A—Size of Body, 14x32 inches; Wheels, 11 inches; Weight per Crate, 72 lbs.	$142.60

Sixth Dozen in a Crate

BOYS FARM WAGONS
★DIAMOND BRAND



This Wagon is Modeled Closely After a Regular Farm Wagon and Can be Used Around the Yard, Shop or Store for General Purposes; Made of Hardwood Throughout and is Very Strong and Substantial

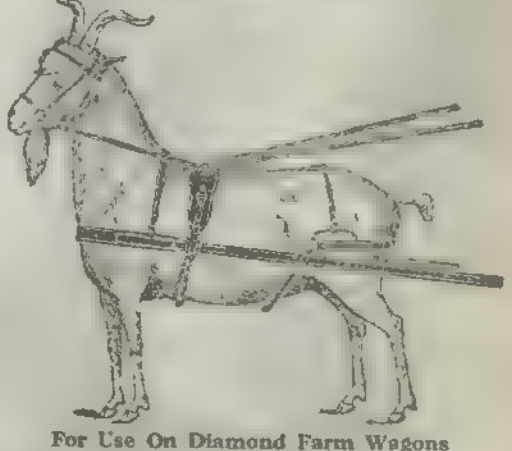
Bed, 5¾ inches Deep; 18 inches Wide; 36 inches Long; Dash Board, 11¾ inches High; Sides, Dash and End Gates, ⅞ inch Thick Bottom, ⅝ inch Stock; Extra Heavy Steel Axles, Long Bolster Bed Stakes, End Gates or Entire Body can be Removed; Long Coupling Pole, Permits of Adjusting Load Evenly; Coupled Hardwood Tongue 1x1 inch With Cross Pin; Front Axle Arranged for Short Coupling for Dogs; Goat May be Attached. Diameter of Rear Wheels, 21 inches Front Wheels 14 inches; Wood Wheels with Metal Bound Hub; Steel Tires on Front and Rear Wheels ¾ inch Wide.

Finish—Gears Painted Red, Striped with Black; Body and Seat Green, Striped with Yellow.

	Each
No. D355—Diamond Farm Wagon, with Largest Order Weight 55 lbs.	$13 00
No. D355S—Shafts for Diamond Farm Wagon, Painted Red Weight Each, 6 lbs.	1 60

Crated

GOAT HARNESS
★NORLEIGH DIAMOND



For Use On Diamond Farm Wagons

Belly Band—⅝ inch Single Strap.
Breast Collar—1¼ inch Flat; Single Strap
Breeching—⅝ inch Single Strap Body; ½ inch Hold Back Straps; ⅝ inch Hip Straps; 1 inch Breeching Seat; 1⅛ inch Breeching Stay.
Bridle—Open; ⅝ inch Straps.
Lines—½ inch All Through, to Snap in Bit.
Saddle—2¼ inch Single Strap.
Shaft Tugs—⅝ inch Double and Riveted.
Traces—1¼ inch Single Strap.

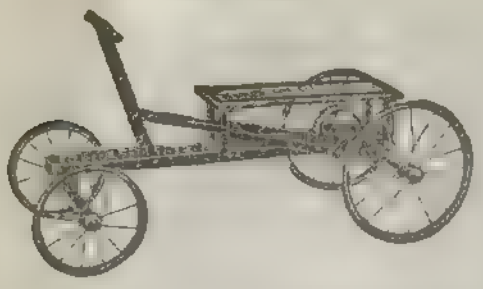
	Per Set
No. GR—Russet; Smooth Finish Throughout, Lock Stitched, Sewed and Riveted Throughout; Bridle Has Lock Stitched Seat and Reinforced Cheek Piece; Per Set Weighs, 21 Lbs.	$12 10
No. GB—Black, Smooth Finish Throughout, Lock Stitched Seat and Reinforced Cheek Piece; Per Set Weighs, 21 Lbs.	12 10

One Set in a Crate

Items Marked ✣ Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory.

HAND CARS

★NORLEIGH DIAMOND



In Our Norleigh Diamond Hand Cars We Have Embodied All Essential Features in An Article of This Nature—Strength, Light Weight, Minimum Number of Parts and Ease in Running.

It is Constructed Entirely of Wrought Steel and Malleable Castings Except the Seat Board, Which is of Hard Wood, Firmly Bolted to the Frame.

All Parts are Either Bolted or Assembled With Cotter Pins, So That the Car May be Easily Set Up or Knocked Down for Transportation.

While the Gearing is of a High Ratio to Insure Speed, a Minimum Amount of Power is Required to Operate Owing to the Ingenious System of Levers, the Driving Rod Being Connected Low Down on the Lever Handle So as to Insure Ease in Operating.

Frame and Driving Mechanism Finished in Green.

Wheels and Handle Finished in Vermilion.

Seat Board Finished in Vermillion, Black and Gold, Gloss Varnished.

Wheels are Constructed With Extra Large Barrel Hubs With Outer Bearings; Ten Gauge Spokes are Used Instead of Fourteen Gauge, as On Ordinary Hand Cars.

Rubber Tires are Thoroughly Shrunk on to Prevent Opening Up at Joints.

Extra Large Steel Axles—Steel Tubing Handle; Wrought Steel Fifth Wheel With Extra Heavy Braces—Large Brass Plated Steel Automobile Hub Caps—Gearing Riveted in Two Places to Each Side Bar of Frame Instead of Only One Side as on Ordinary Cars.

Note—Our Object in Bringing Out the Norleigh Diamond Hand Car Was to Have a Companion for Our Norleigh Diamond Boys' Steel Wagon, a Car Possessing Distinctive Features and Without the Faults Possessed by the Old Style Cars; In This We Have Succeeded and Feel Sure That No Better Like Article Can Be Purchased for the Money; Every Thing in Its Construction is of Best Quality, Made by Skilled Mechanics and Built to Stand Hard Knocks.

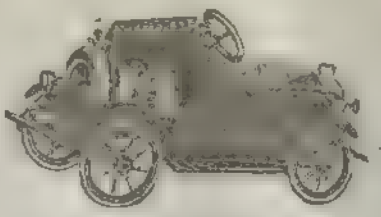
	Each
No. ND7—Junior; Length of Frame 28½ inches, Made of ⅛x¾ inch Flat Steel; Seat Board 14x7x½ inch; Wheels Front 6 inch, Rear 10 inch; Fitted with ⅜ inch Rubber Tires, Plain Hubs... Two in a Crate; Weight Crated 50 lbs	$7 00
No. ND8—Medium; Length of Frame 35½ inches, Made of 1⅛x⅛ inch Flat Steel; Seat Board 20x8x½ inch; Wheels, Front 8 inch, Rear 12 inch; Fitted With ½ inch Rubber Tires; Brass Plated Steel Hub Caps..... Two in a Crate	10.00

MAKE YOUR STORE SO ATTRACTIVE THAT VISITORS WILL ENJOY EVERY MINUTE OF THEIR STAY AND WANT TO COME BACK AGAIN. IT IS EASY TO DO THIS WITH A MODERN STOCK OF HARDWARE, KEPT INTACT BY THE USE OF MAIL ORDERS.

JUVENILE AUTOMOBILES

Prices Do Not Include Lamps, Except Where So Stated

LaFAYETTE

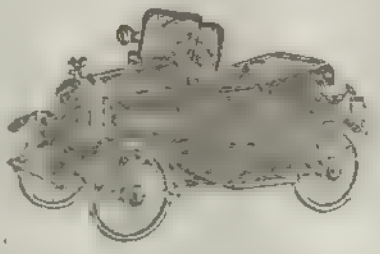


Body—13x51 inches; Finished in a Beautiful Shade of Maroon
Wheels—12x⅝ inch, Roller Bearing, Rubber Tired, Red Enameled
Fenders—Crown Red With Gold Striping
Motor—Wood.

(Complete With Grease Guns and Tools; Alemite Lubricating System)

	Each
No. 558—Complete With Lamps; Weight, 100 lbs..... One in a Crate	$48.70

PACKARD



Body—13x45½ inches; Finished in a Beautiful Shade of Tan with Brown Stripping
Wheels—12x⅝ inch Roller Bearing; Rubber Tired Wheels, Red Enameled.
Fender—Crown, with Gold Line Stripe.

(Complete With Grease Guns and Tools; Alemite Lubricating System)

	Each
No. 548—Complete With Lamps; Weight, 90 lbs..... One in a Crate	$43.00

ROAMER

Body—13x42 inches; Finished in Green with Yellow Striping.
Wheels—Steel, 10 inch Roller Bearing; Rubber Tired.
Fender—Crown.

(Complete With Grease Guns and Tools; Alemite Lubricating System)

	Each
No. 549—Complete With Lamps; Weight, 70 lbs..... One in a Crate	$36.00

WESTCOTT

Body—13x47 inches; Finished in Brown with Yellow Striping
Wheels—Disc, Red; 10x⅝ inch Roller Bearing; Rubber Tired.
Fender—Crown

(Complete With Grease Guns and Tools; Alemite Lubricating System)

	Each
No. 547—Complete With Lamps; Weight, 70 lbs..... One in a Crate	$34.60

SCREW PLATES

BUTTERFIELD' S SCREW PLATES

WITH ONE STOCK

IN HARDWOOD CASE

Per Set

Set No. "C"—Cuts ¼, 5/16, ⅜, 7/16, ½, ⅝, ¾-in. Seven Dies and Seven Taps. Diameter of Collets 2¾-in. One 26-in. Stock. One Tap Wrench..... $46.60

Set No. "E"—Cuts ¼, 5/16, ⅜, 7/16, ½, ⅝, ¾, 7/8, 1-in. Nine Dies and Nine Taps. Diameter of Collets 2¾-in. One 26-in. Stock. Two Tap Wrenches 70.80

BUTTERFIELD' S SCREW PLATES

WITH TWO STOCKS

IN HARDWOOD CASE

Set No. "CC"—Cuts ¼, 5/16, ⅜, 7/16, ½, ⅝, ¾-in. Diameter of Collets on Four Smaller Sizes, 1⅝-in. Diameter of Collets on Three Larger Sizes, 2¾-in. One 14-in. Stock. One 26-in. Stock. One Tap Wrench..... $46.60

Set No. "EE"—Cuts ¼, 5/16, ⅜, 7/16, ½, ⅝, ¾, 7/8, 1-in. Dia. of Collets on Four Smaller Sizes, 1⅝-in. Dia. of Collets on Five Larger Sizes, 2¾-in. One 14-in. Stock. One 26-in. Stock. Two Tap Wrenches $70.80

Furnished with "V" Oversize or U.S. Standard Thread

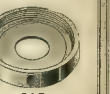
Specify Style of Thread required. We will send U.S. Standard unless otherwise ordered.

BUTTERFIELD'S "REECE'S" DIES AND COLLETS

Used in Sets C and E and in large Stocks of Sets CC and EE

COLLET

DIE


CAP

A complete Collet consists of a Body and Cap. Both are threaded and screwed together. The Die is rectangular in outward form and fits closely a rectangular chamber in Collet. To adjust, simply turn the Screws at the Ends of the Dies in or out.

Size, Inches	¼	5/16	⅜	7/16	½	9/16	⅝	¾	7/8	1
Die only. Each	$2.50	2.50	3.10	3.10	3.80	3.80	4.32	4 96	6 76	6.76
Collet and Cap	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3 20	3 20	3.20

Specify whether "V" Oversize or U.S. Standard Thread.

BUTTERFIELD'S "DERBY" DIES AND COLLETS

Used in Small Stocks of Sets CC and EE

Size, Inches	¼	5/16	⅜	7/16
Die only. Each	$2.30	2.30	2.30	2 30
Collet only. Each	2.00	2.00	2.00	2 00

Specify whether "V" Oversize or U.S. Standard Thread.

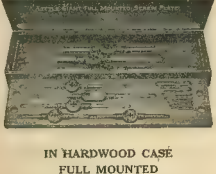
STOCKS FOR BUTTERFIELD SCREW PLATES

Nos. "C," "E," "CC," and "EE"

14 inch Stock. Each.....$6.60 **26 inch Stock. Each**.....$9 30

SCREW PLATES and THREADING TOOLS

LITTLE GIANT SCREW PLATES



IN HARDWOOD CASE
FULL MOUNTED
Furnished with U.S. Standard Thread Only

Per Set

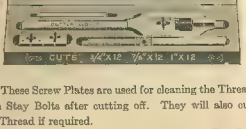
No

Set No. 65—Cuts Seven Sizes ¼-20, 5/16-18, ⅜-16, 7/16-14, ½-13, ⅝-11, ¾-10. Seven Dies and Seven Taps. Separate Stock for Each Die. One No. 6-15 in. Tap Wrench Weight, 24 lbs. **$77.00**

Per Set

Set No. 67—Cuts Nine Sizes ¼-20, 5/16-18, ⅜-16, 7/16-14, ½-13, ⅝-11, ¾-10, ⅞-9, 1-8.
Nine Dies and Nine Taps. Separate Stock for Each Die. One No. 5-11½-in. Tap Wrench. One No. 7 19½-in. Tap Wrench. Weight 37½ lbs. **$121 00**

BOILERMAKERS' SCREW PLATES



These Screw Plates are used for cleaning the Thread on Stay Bolts after cutting off. They will also cut a Thread if required.

Per Set

Boilermaker's Screw Plate.
Consists of 3 Pairs of Dies Cutting ¾, 7/8 and 1-in. All 12 Thread. **$21.00**

LITTLE GIANT SCREW PLATES

IN HARDWOOD CASE
SINGLE STOCK
Furnished with U.S. Standard Thread Only

Per Set

Set No. 5—Cuts Seven Sizes ¼-20, 5/16-18, ⅜-16, 7/16-14, ½-13, ⅝-11, ¾-10. Seven Dies and Seven Taps. Diameter of Collets, 2¾ in. One 23-in. Stock. One No. 6-15 in. Tap. Wrench. Weight 20 lbs. **$62.00**

Per Set

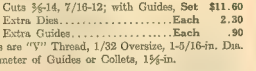
Set No. 7—Cuts Nine Sizes ¼-20, 5/16-18, ⅜-16, 7/16-14, ½-13, ⅝-11, ¾-10, ⅞-9 1-8.
Nine Dies and Nine Taps. Diameter of Collets 2¾-in. One 26-in Stock. One No. 5-11½ in. Tap Wrench. One No. 7-19½-in. Tap Wrench. Weight 27 lbs. **$94 00**

NOTE

Little Giant Screw Plates are manufactured in Canada by the Greenfield Tap and Die Corporation and carry a guarantee of good workmanship and material.

DERBY PUMP STOCKS AND DIES

No. 39—SINGLE STOCK



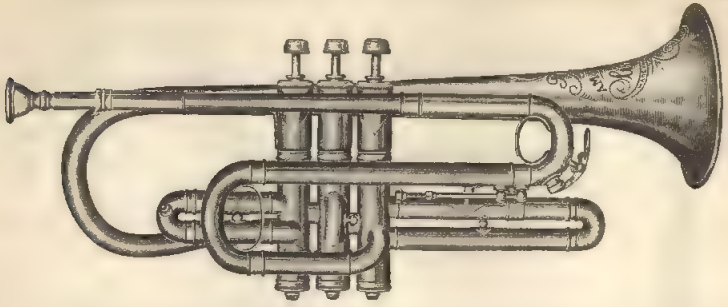
No. 39—Stock and Dies.
Cuts ⅜-14, 7/16-12; with Guides, Set **$11.60**
Extra Dies. . . . . Each **2.30**
Extra Guides. . . . . Each **.90**
Dies are "V" Thread, 1/32 Oversize, 1-5/16-in. Dia. Diameter of Guides or Collets, 1⅝-in.

No. 108—DOUBLE STOCK

No. 108—Stock and Dies.
Cuts ⅜-14 and 7/16-12. . . . . Per Set **$7.60**
Extra Dies. . . . . Each **2 30**
Dies are 1-5/16-in. Dia., fitting Stock without Collets.

B Flat Cornets

Long Model, American Made in B♭ and A High and Low Pitch, Quick Change to A



5+6607 **Brass,** highly polished, bell artistically engraved. Has water key and music rack. Finger buttons and mouthpiece silver plated. Each $58.80

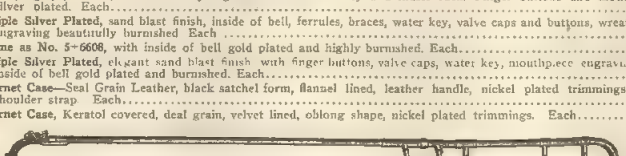
5+6608 **Triple Silver Plated,** sand blast finish, inside of bell, ferrules, braces, water key, valve caps and buttons, wreath and engraving beautifully burnished Each 70.85

5+6609 **Same as No. 5+6608,** with inside of bell gold plated and highly burnished. Each 74.20

5+6610 **Triple Silver Plated,** elegant sand blast finish with finger buttons, valve caps, water key, mouthpiece engraving and inside of bell gold plated and burnished. Each 79.65

5+6611 **Cornet Case**—Seal Grain Leather, black satchel form, flannel lined, leather handle, nickel plated trimmings, with shoulder strap Each 5.60

5+6612 **Cornet Case,** Keratol covered, deal grain, velvet lined, oblong shape, nickel plated trimmings. Each 16.90



A B♭ Tenor Slide Trombone at a price below that of the medium grades of foreign made instruments. The workmanship is good; it is perfect in tune, correct in all positions and very easy to blow.

American Made Slide Trombones

5+6613 **Finest Quality Brass,** highly polished, artistically engraved, furnished with water key and silver plated mouthpiece Each $35.10

5+6614 **Triple Silver Plated,** sand blast finish, ferrules, water key, mouthpiece and inside of bell burnished. Each 49.25

5+6615 **Same as No. 5+6614,** with inside of bell gold plated. Each 55.40

5+6616 **Same as No 5+6614,** with engraving, water key, mouthpiece and inside of bell gold plated and burnished Each. . 59.35

American Made Mellophone

This instrument is the only logical substitute for the French Horn. It can take the place of the E♭ Alto in brass band. It is in "F" but crooks are furnished with the instrument to place it in F♭ D and C By using the "C" crook it makes an ideal horn for home or church use, as any music can be played with piano or organ accompaniment without transposition.

5+6617 **Made of Finest Quality Brass,** highly polished, artistically engraved, supplied with water key, pearl finger buttons, music rack and silver plated mouthpiece. Built in F, with crooks to E♭, D and C, both high and low pitch Each $64.20

5+6618 **Same as No. 5+6617,** silver plated, sand blast finish, with finger buttons, valve caps, water key, mouthpiece, engraving and inside of bell burnished. Each 86.35

5+6619 **Same as No. 5+6618,** with gold lined bell. Each 93.85

5+6620 **Same as No. 5+6618,** silver plated, sand blast finish, with finger buttons, valve caps, water key, mouthpiece, engraving and inside of bell gold plated and burnished. Each 103.25

American Made B♭ Baritone

Possesses a clean, well tempered scale, and a large round, far carrying tone Blows very easy Strongly and handsomely made throughout There is no other low-priced American-made Baritone which can compare with this one, either in appearance or playing qualities

5+6621 **Made of Finest Quality Brass,** highly polished, artistically engraved, furnished with triple silver plated mouthpiece water key, pearl finger buttons and music rack, high and low pitch. Each ..... $ 76.60

5+6622 **Same as No. 5+6621,** silver plated, sand blast finish, with finger buttons, valve caps, water key, mouthpiece, engraving and inside of bell burnished Each 107.90

5+6623 **Same as No. 5+6622,** with gold lined bell. Each 120.00

5+6624 **Same as No. 5+6621,** silver plated, sand blast finish, with finger buttons, valve caps, water key, mouthpiece, engraving and inside of bell gold plated and burnished. Each 128.65

American Professional Saxophones

A line of American made Saxophones of the very highest quality and provided with the latest improvements in mechanism and fingering. These instruments are of the best quality and are guaranteed to be the peer of any on the market.

Are American made throughout. They are built on improved models and proportions, giving great beauty of tone and faultless intonation. They are full keyed down to low B Flat and in addition, have an extra key enabling the player to pass the low B Flat to E Flat; B Natural to D Sharp, C Natural to E Flat and C Sharp to D Sharp by raising the second finger of the right hand, instead of sliding the little finger from C to E Flat key; an extra key to trill G to A Flat and a greatly improved form of Automatic Single Octave Key. All the standard fingerings, such as the Articulated G Sharp Key, the B Flat Plate for first finger of left hand, the F to G Flat trill key, etc., are included, and each instrument is supplied with fine rubber mouthpiece, carrying strap, music rack and plug to protect upper end when mouthpiece is removed. Workmanship and material are the finest possible.

Every American Professional Saxophone is equipped with music rack, strap, mouthpiece cap and hard rubber mouthpiece.

B♭ Soprano Saxophone

5+6625 **Brass, Highly Polished.** Each..... **$165.00**

5+6626 **Silver Plated,** Satin Finish Keys and Inside of Bell Hand Burnished. Each. . **202.00**

5+6627 **Silver Plated,** Satin Finish Keys Hand Burnished, Inside of Bell heavily gold plated and Burnished. Each..... **205.00**

E♭ Alto Saxophone

5+6628 **Brass, Highly Polished.** Each..... **$175.00**

5+6629 **Silver Plated,** Satin Finish Keys and Inside of Bell Hand Burnished. Each..... **225.00**

5+6630 **Silver Plated,** Satin Finish Keys Hand Burnished, Inside of Bell heavily gold plated and burnished. Each.... **232.00**

C Melody or Tenor Saxophone

This instrument is especially designed for home, church and orchestra use, plays from part written for voice, or any instrument in "C" without transposition.

5+6631 **Brass, Highly Polished.** Each..... **$189.00**

5+6632 **Silver Plated,** Satin Finish Keys and Inside of Bell Hand Burnished. Each..... **243.00**

5+6633 **Silver Plated,** Satin Finish Keys Hand Burnished, Inside of Bell heavily gold plated and burnished. Each. . **250.00**

B♭ Tenor Saxophone

5+6634 **Brass, Highly Polished.** Each..... **$193.00**

5+6635 **Silver Plated,** Satin Finish Keys and Inside of Bell Hand Burnished. Each . **249.00**

5+6636 **Silver Plated,** Satin Finish Keys, Hand Burnished, Inside of Bell heavily gold plated and burnished. Each . **255.00**

Saxophone Cases

These Saxophone Cases are well made and designed especially to fit the above line of American Professional Saxophones and have ample room for accessories.

5+6637 **For B♭ Soprano Saxophones Nos. 5+6625-26-27,** Wood body covered with highest grade of Keratol and lined with fine corduroy, nickel plated lock and trimmings. Each..... **$18.25**

5+6638 **For E♭ Alto Saxophones, Nos. 5+6628-29-30,** otherwise same as No. **5+6637.** Each... **21.80**

5+6639 **For C Melody Saxophones Nos. 5+6631-32-33,** otherwise same as No. **5+6637** Each.. **23.70**

5+6640 **For B♭ Tenor Saxophones Nos 5+6634-35-36,** otherwise same as No **5+6637** Each **27.75**

THE ABOVE PRICES ARE SUBJECT TO THE REGULAR DISCOUNT.

IF ANY ARTICLE PROVES UNSATISFACTORY, RETURN AT ONCE. WE WILL EXCHANGE OR REFUND MONEY.

BRIDGE TOOL LABELS

All Bridge tools are labeled with labels of the same color and design. The reproductions below show the uniformity and attractiveness of these labels.

Shapleigh National Series No. 1082. Above plate used in our National Advertising Campaign.

QUALITY COUNTS

BASE BALL GOODS

Original Patterns

Unequalled Quality

REASONABLE PRICES

SHAPLEIGH HARDWARE CO.

INTERNATIONAL DISTRIBUTORS

ESTABLISHED 1843

ST. LOUIS, U. S. A.

TRADE MARK REGISTERED IN THE U. S. PATENT OFFICE

TRADE MARK REGISTERED IN THE U. S. PATENT OFFICE

"DIAMOND EDGE IS A QUALITY PLEDGE"

Shapleigh National Series No. 1064. Above plate used in our National Advertising Campaign.

NORLEIGH DIAMOND

SHAPLEIGH HARDWARE CO.
NORLEIGH DIAMOND

BATTERIES

HOT SPARK BATTERIES

HAVE NO EQUAL FOR IGNITION PURPOSES HIGHEST AMPERAGE AND VOLTAGE WITH MINIMUM DETERIORATION.

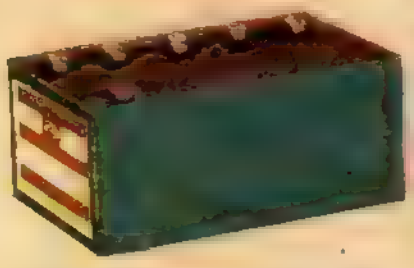
DRY BATTERIES

HAVE LONG LIFE AND UNIFORMLY POWERFUL CURRENT. ESPECIALLY APPRECIATED FOR HEAVY SERVICE.

FLASH LIGHT BATTERY UNITS

FLASH LIGHT BATTERIES

RADIO "B" BATTERIES



FULL VOLTAGE, LONG SERVICE, PERFECT SATISFACTION.

ECONOMICAL, CONVENIENT, THE MODERN WAY. A SINGLE UNIT REPLACED WILL RENEW THE WHOLE BATTERY

NO SUCH THING AS FAILURE OR DISAPPOINTMENT BUT MOST PLEASING RESULTS- ALWAYS FRESH AND READY TO FLASH.

SEND US A SAMPLE ORDER NO RISK

SHAPLEIGH HARDWARE CO.

INTERNATIONAL DISTRIBUTORS

ESTABLISHED 1861

ST. LOUIS, U. S. A

"DIAMOND EDGE IS A QUALITY PLEDGE"

Shapleigh National Series No. 1639. Above plate used in our National Advertising Campaign.

"DIAMOND EDGE"
HATCHETS

A PATTERN FOR EVERY JOB ▪▪
A SIZE FOR ▪▪ EVERY NEED

ALL HANDLES FASTENED WITH THIS DIAMOND EDGE PATENTED LOCK WEDGE

MADE OF HIGHEST GRADE SOLID CRUCIBLE CAST STEEL

BIT AND HEAD PERFECTLY TEMPERED, CAREFULLY GROUND AND SHARPENED READY FOR USE

SOLID PUNCHED EYE

SELECT, SECOND GROWTH POLISHED HICKORY HANDLE, THOROUGHLY SEASONED, SHAPED AND DRIVEN SO AS TO GIVE PERFECT HANG AND BALANCE—FASTENED WITH A DIAMOND EDGE PATENT LOCK WEDGE, UNITING THE HEAD AND HANDLE FIRMLY AND PERMANENTLY

SEND US A SAMPLE ORDER—NO RISK

SHAPLEIGH HARDWARE CO.

INTERNATIONAL DISTRIBUTORS

ESTABLISHED 1843

ST. LOUIS, U. S. A.

TRADE MARK REGISTERED IN THE U. S. PATENT OFFICE

TRADE MARK REGISTERED IN THE U. S. PATENT OFFICE

"DIAMOND EDGE IS A QUALITY PLEDGE"

Shapleigh National Series No. 1075. Above plate used in our National Advertising Campaign.

DIAMOND EDGE HAMMERS

Drop Forged In One Piece From Crucible Hammer Steel of The Very Best Quality. Carefully Tempered And Hardened To A Toughness That Enables Them To Withstand Severe Usage. Hand Ground And Polished. Select Second Growth Polished Hickory Handle, Shaped And Driven So As To Give Perfect Hang And Balance. Fastened With A Diamond Edge Patent Lock Wedge, Uniting The Head And Handle Firmly And Permanently.

ALL HANDLES FASTENED WITH THIS *DIAMOND EDGE* PATENT LOCK WEDGE.

SEND US A SAMPLE ORDER • NO RISK

SHAPLEIGH HARDWARE CO.

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"DIAMOND EDGE IS A QUALITY PLEDGE"

Shapleigh National Series No. 1076. Above plate used in our National Advertising Campaign.

DIAMOND EDGE
LAWN MOWERS
OF ADJUSTING
RATCHET AND BEARINGS
SEND US A SAMPLE ORDER-
SHAPLEIGH HARDWARE CO.
INTERNATIONAL DISTRIBUTORS
ESTABLISHED 1843
ST. LOUIS, U. S. A.
TRADE MARK REGISTERED IN THE U. S. PATENT OFFICE
TRADE MARK REGISTERED IN THE U. S. PATENT OFFICE
"DIAMOND EDGE IS A QUALITY PLEDGE"

Shapleigh National Series No. 1057. Above plate used in our National Advertising Campaign.

Shapleigh National Series No. 1058. Above plate used in our National Advertising Campaign.

Diamond Edge

POCKET KNIVES

OF KNOWN QUALITY FOR 59 YEARS

CAN BE SHARPENED FROM EDGE TO BACKBONE

FORGED FROM BEST POCKET CUTLERY STEEL KNOWN CAREFULLY HARDENED AND PERFECTLY TEMPERED BY THE MOST SKILLED AND EXPERIENCED CUTLERS EVERY BLADE SHARPENED AND HONED READY FOR USE. FREE FROM FLAWS AND IMPERFECTIONS.

SEND US A SAMPLE ORDER—NO RISK

SHAPLEIGH HARDWARE CO.

INTERNATIONAL DISTRIBUTORS

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"DIAMOND EDGE IS A QUALITY PLEDGE"

Shapleigh National Series No. 1062. Above plate used in our National Advertising Campaign.

DIAMOND EDGE POCKET KNIVES

PHOTOGRAPHIC REPRODUCTIONS OF A VARIETY OF DIAMOND EDGE KNIVES SHOWING ACTUAL SIZE, DESIGN AND COLOR

Shapleigh National Series No. 1061 Above plate used in our National Advertising Campaign.

DIAMOND EDGE SAWS

SAWS OF QUALITY

The taper grinding reduces friction and makes them run easy. The teeth are bevel filed by hand which produces a sharp needle point and makes them fast cutting. They are hand smithed, tempered in oil and are intended for skilled mechanics use.

·MADE OF FINEST QUALITY HAND SAW STEEL·

SEND US A SAMPLE ORDER—NO RISK

SHAPLEIGH HARDWARE CO.

INTERNATIONAL DISTRIBUTORS

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"DIAMOND EDGE IS A QUALITY PLEDGE"

Shapleigh National Series No. 1071 Above plate used in our National Advertising Campaign.

"DIAMOND EDGE IS A QUALITY PLEDGE"
THE "DIAMOND EDGE" TRADE MARK
SHAPLEIGH HARDWARE CO.
DE
DIAMOND EDGE
FOR OVER 50 YEARS THE "DIAMOND EDGE" TRADE-MARK HAS STOOD FOR QUALITY, ORIGINAL IDEAS, EXCLUSIVE DESIGNS AND EXTREME PERFECTION.
THE STRENGTH OF OUR LINES AND GROWTH OF OUR BUSINESS IS BUILT ON QUALITY, FAIRNESS AND SERVICE.
SELL DIAMOND EDGE GOODS AND INCREASE YOUR BUSINESS
ASK THE USER

Shapleigh National Series No. 1070. Above plate used in our National Advertising Campaign.

No. DE9
No. DEP
No. DEB
No. DEG
No. DEGB
No. DEBP
DIAMOND EDGE
DE
No. DEC
No. DEA9

DIAMOND EDGE PLANES

Shapleigh National Series No. 1087. Above plate used in our National Advertising Campaign.

JERSEY ICE CREAM FREEZER

Shapleigh National Series No. 1074. Above plate used in our National Advertising Campaign.

REFRIGERATOR LABELS

FAC-SIMILE REPRODUCTION OF OUR TRADE-MARK BRANDS

"DIAMOND EDGE IS A QUALITY PLEDGE"

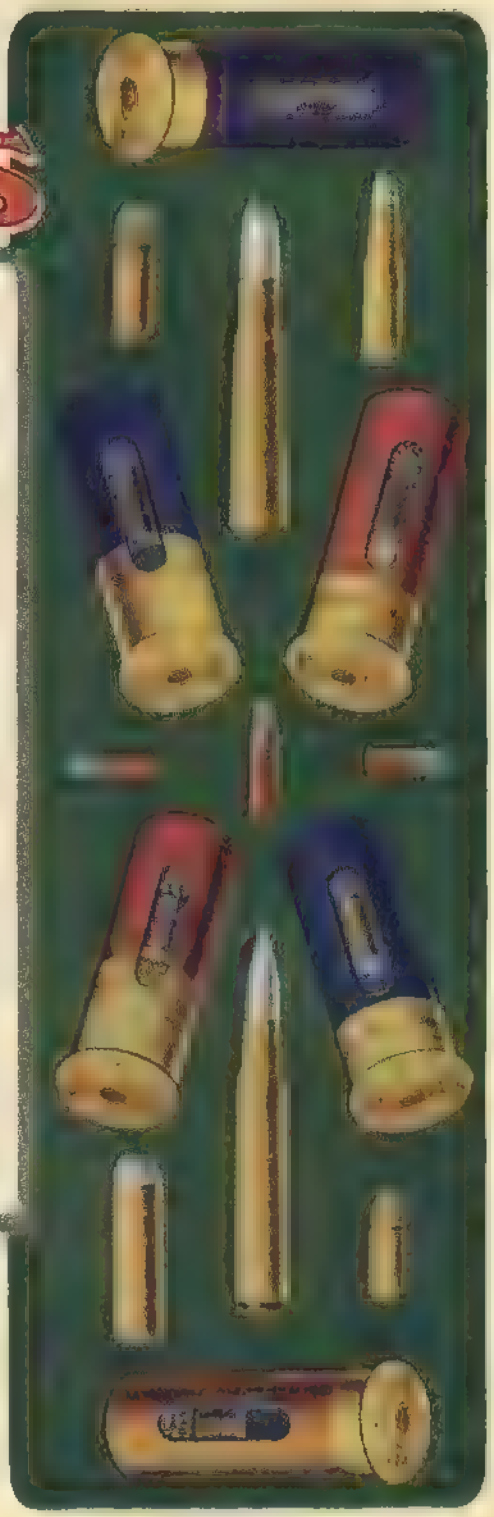
Peters

PETERS AMMUNITION is produced in the world's largest and most complete factory devoted exclusively to the manufacture of Small Arms Ammunition.

PETERS SHELLS embody clearly defined features: "*steel where steel belongs*" head construction, a tough, elastic and thoroughly waterproofed paper tube, Peters superior wadding, shot which is perfect in size, temper and finish, primers which develop correct ballistics with all standard powders, Peters exclusive method of loading, Peters "*watertite*" "*bevel crimp*," and the use of *Semi-smokeless Powder*" in the Referee Shell—features originated and perfected by the Peters Cartridge Company, and upon which Peters superiority is built.

PETERS METALLIC CARTRIDGES are loaded with the famous *Semi-smokeless Powder* and those Smokeless Powders which have proven by actual tests to be the best for their specific purposes. Special priming mixtures guarantee quick and uniform ignition. The metal cases and bullets are made of the finest materials and by the most modern processes. The loading of Peters cartridges is done with such absolute precision as to insure extreme accuracy and uniformity.

Experienced shooters recognize
in Peters what they look
for in ammunition
of quality.



PETERS Suggested Loads

Game	12 GAUGE Powder Drs.	12 GAUGE Powder Grs.	12 GAUGE Shot Oz.	16 GAUGE Powder Drs.	16 GAUGE Powder Grs.	16 GAUGE Shot Oz.	20 GAUGE Powder Drs.	20 GAUGE Powder Grs.	20 GAUGE Shot Oz.	SHOT SIZES Soft	SHOT SIZES Chilled
Brant	*3 1/2	28	1 1/4	*2 3/4	22	1	*2 1/2	20	1	4-5-6	4-5-6
Doves	3	24	1 1/8	2 1/2	20	1	2 1/4	18	7/8	7 1/2-8	7 1/2-8
Geese	*3 1/2	28	1 1/4							BB-2-4	2-4
Large Ducks	*3 1/2	28	1 1/4	*2 3/4	22	1	*2 1/2	20	1	4-5-6	4-5-6
Grouse	3	26	1 1/8	2 1/2	20	1	2	18	7/8	6-7	6-7
Pheasants	3	26	1 1/8	2 1/2	20	1	2	18	7/8	6-7	6-7
Pigeons	3 1/4	26	1 1/8	2 1/2	20	1	2 1/4	18	7/8	6-7	6-7
Plover	3	24	1 1/8	2 1/2	20	1	2 1/4	18	1 1/8	7-8	7 1/2-8
Prairie Chicken	3 1/4	26	1 1/8	2 1/2	20	1	2 1/4	18	7/8	6-7	6-7
Quail	3	24	1 1/8	2 1/2	20	1	2	18	1 1/8	7 1/2-8	7 1/2-8
Rabbits	3	24	1	2 1/2	20	1 1/8	2 1/4	18	3/4	6	6
Shore Birds	3	24	1 1/8	2 1/2	20	1	2	18	7/8	7 1/2-8-9	7 1/2-8-9
Small Ducks	3 1/4	26	1 1/8	*2 3/4	22	1	*2 1/2	20	1	6-7	6-7
Snipe	3	24	1 1/8	2 1/2	20	1	2	18	1 1/8	8-9	7 1/2-8-9
Squirrels	3	24	1 1/8	2 1/2	20	1	2 1/4	18	1 1/8	5-6-7	5-6-7
Trapshooting	3	24	1 1/4								7 1/2
Turkey	*3 1/4	28	1 1/8							BB-2-4	2-4
Woodcock	3	24	1 1/8	2 1/2	20	1	2 1/4	18	7/8	8-9	7 1/2-8-9

*Peters High Velocity Loads extremely effective, hard-hitting loads—with moderate recoil. Excellent for long range shooting.

All of the above suggested loads can be obtained in Peters Shells loaded with any standard, guaranteed brand of American Smokeless Powder.

EQUIVALENT STRENGTH OF SEMI-SMOKELESS, BULK AND DENSE SMOKELESS POWDERS

Semi-Smokeless	Bulk Smokeless	Dense Smokeless
3 1/2 Drs.	3 1/2 Drs	28 Grs
3 1/4 Drs	3 1/4 Drs	26 Grs
3 Drs	3 Drs	24 Grs
2 3/4 Drs	2 3/4 Drs	22 Grs
2 1/2 Drs	2 1/2 Drs	20 Grs.
2 Drs	2 Drs	16 Grs.

PLUMB
DOUBLE LIFE

Axes
As Advertised

PLUMB
Take-up Wedge
Keeps Handle Tight
Patented Aug. 15, '22

Single Bit
Michigan

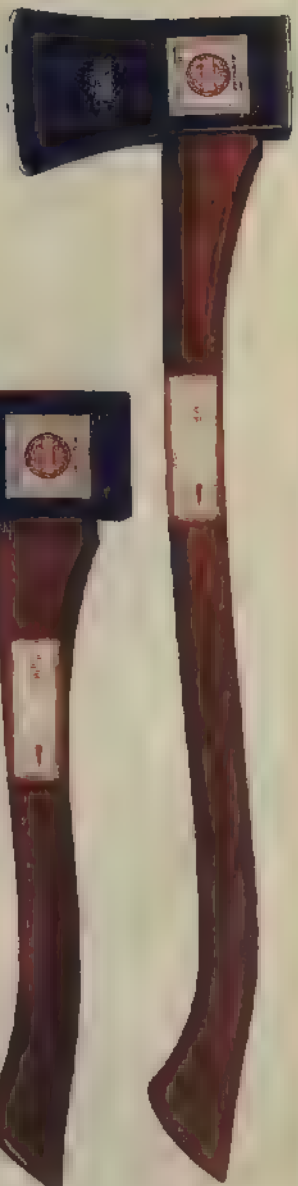
Single Bit
Wisconsin

Double Bit
Michigan

Double Bit
Wisconsin

Double Bit
Western

House
Axe
HF 665



Boys
Axe
HF662

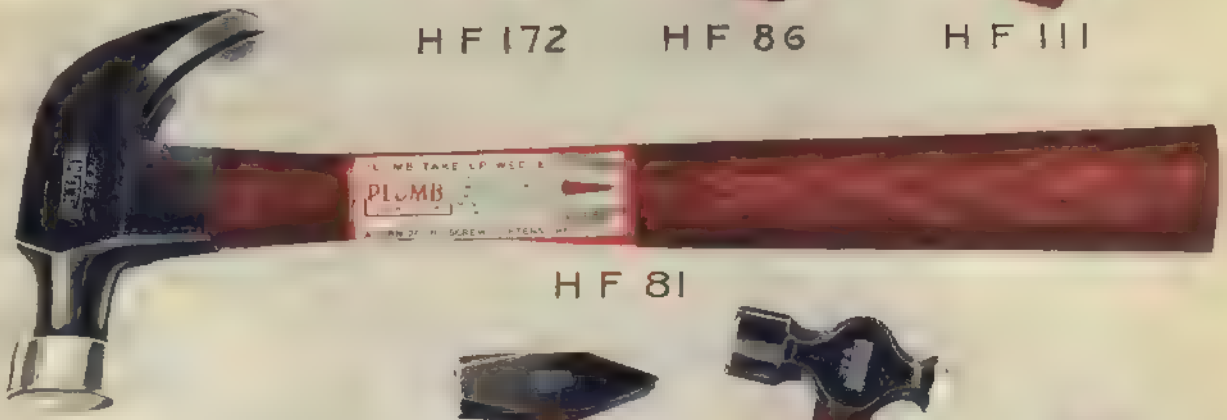
Single Bit
Dayton

HF 72

HF 172

HF 86

HF 111



HF 81

HF2580 HF 281 HF 375 HF 250

PLUMB
Take-up Wedge
Keeps Handle Tight

Patented Aug 15, 22

PLUMB
DOUBLE LIFE

Hammers
As Advertised

2951
HF2291
2971
PLUMB TAKE UP WEDGE
PLUMB
2962
2981
HF 672
2991
PLUMB
DOUBLE LIFE
Hatchets
As Advertised
PLUMB
Take-up Wedge
Keeps Handle Tight
Patented Aug 15, '22

HARMOGRAPH MUSIC TOUCHED HIS HEART

THE WONDERFUL PERFECTION OF THE PORTABLE HARMOGRAPH, ITS CAPTIVATING SWEETNESS OF TONE, ITS STRIKINGLY DETACHED INSTRUMENTAL ACCOMPANIMENTS, ITS BEAUTY OF WITH MORE CLARITY AND CHANNEL CLEARNESS AND SAFETY HAS CAPTIVATED SATISFIED AND DELIGHTED MILLIONS OF MUSIC LOVERS. IT HAS BEEN SAID, "WE HAD TO GO TO MY WIFE'S HOME TO HEAR IT." THE LAW SAYS, "IT'S PERFECTION." THE FARMER SAYS, "IT FORGETS ME TOO SURELY." "IS THE VOICE OF HIS MOTHER THAT HE HEARS."

NO MATTER WHAT THE RECORD, NO TALKING MACHINE WILL REPRODUCE IT MORE FAITHFULLY THAN THE PORTABLE HARMOGRAPH.

POPULAR PRICES

SHAPLEIGH HARDWARE CO.

INTERNATIONAL DISTRIBUTORS

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TRADE MARK REGISTERED IN THE U. S. PATENT OFFICE

"DIAMOND EDGE IS A QUALITY PLEDGE"

Shapleigh National Series No. 1018. Above plate used in our National Advertising Campaign.

HARMOGRAPH

TRADE MARK REG. IN U·S·PAT.OFFICE

TALKING MACHINES RECORDS and NEEDLES

THE HARMOGRAPH
THE HUMANIZED TALKING MACHINE
THE PERFECT REPRODUCER OF ALL
MAKES OF DISC RECORDS

HARMOGRAPH RECORDS
AUTHENTIC IN TONE AND EXPRESSION
ORIGINAL AND EXCLUSIVE PRODUCTIONS
OF WORLD FAMOUS ARTISTS

HARMOGRAPH NEEDLES
WILL PLAY TEN SELECTIONS WITHOUT
BEING CHANGED WITH MINIMUM
WEAR ON RECORDS

THIS IS THE TIME WHEN YOU SHOULD CONSIDER MAKING UP YOUR MIND TO CONTRACT FOR THE ABOVE

SEND US A SAMPLE ORDER - NO RISK

SHAPLEIGH HARDWARE CO.

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"DIAMOND EDGE IS A QUALITY PLEDGE"

Shapleigh National Series No. 1063. Above plate used in our National Advertising Campaign.

RUGBY BICYCLES
"ORIGINATED BY US"
QUALITY SELLERS
RUGBY BICYCLE
FOR OVER 25 YEARS RUGBY BICYCLES HAVE BEEN THE QUALITY LINE OF AMERICA
QUALITY ALWAYS THE SAME NOTWITHSTANDING
NO RISK
SHAPLEIGH HARDWARE CO.
INTERNATIONAL DISTRIBUTORS
ESTABLISHED 1843
ST. LOUIS, U. S. A.
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TRADE MARK REGISTERED IN THE U. S. PATENT OFFICE
"DIAMOND EDGE IS A QUALITY PLEDGE"

Shapleigh National Series No. 1059. Above plate used in our National Advertising Campaign.

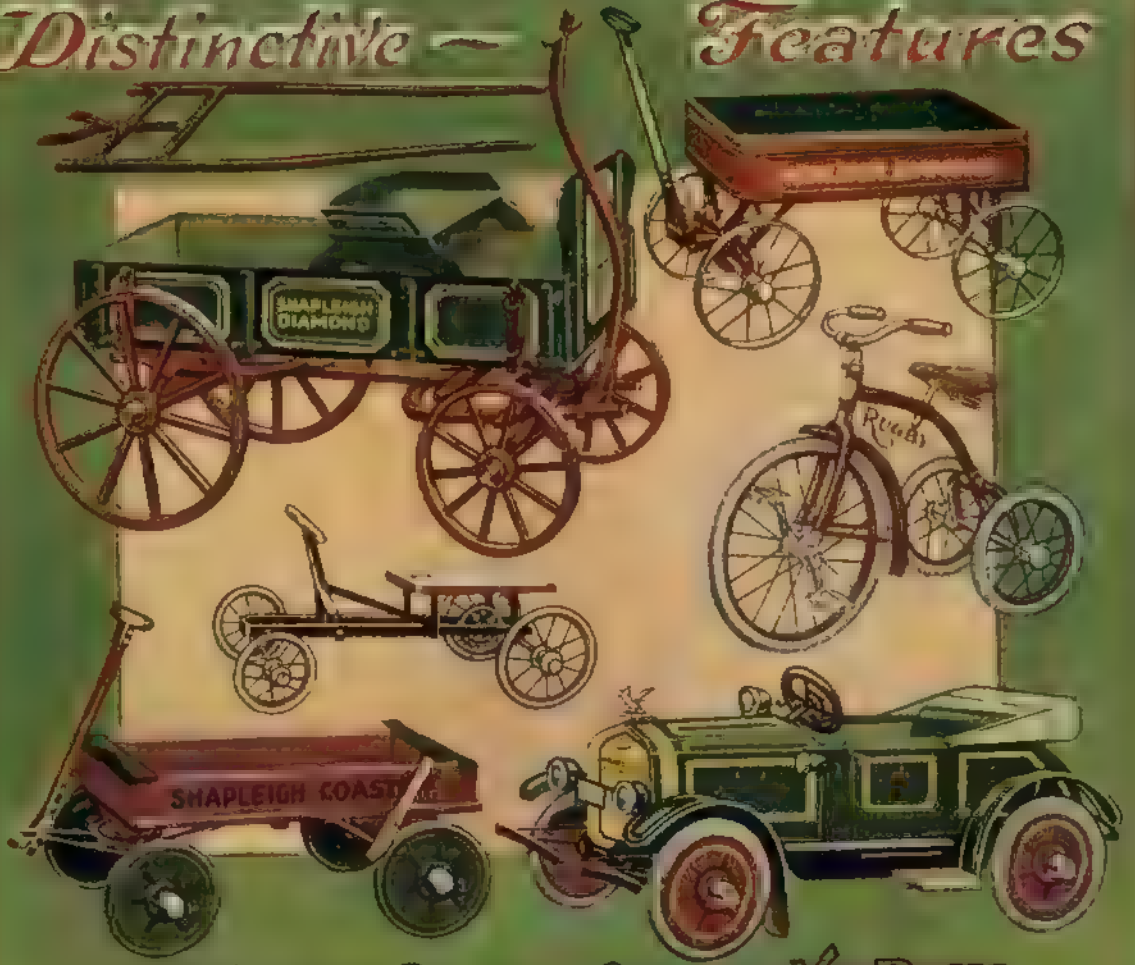
JUVENILE

WHEEL GOODS

MODERATE IN PRICE

NUMEROUS ORIGINAL IDEAS

Distinctive — Features



SEND US A SAMPLE ORDER — NO RISK

SHAPLEIGH HARDWARE CO.

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"DIAMOND EDGE IS A QUALITY PLEDGE"

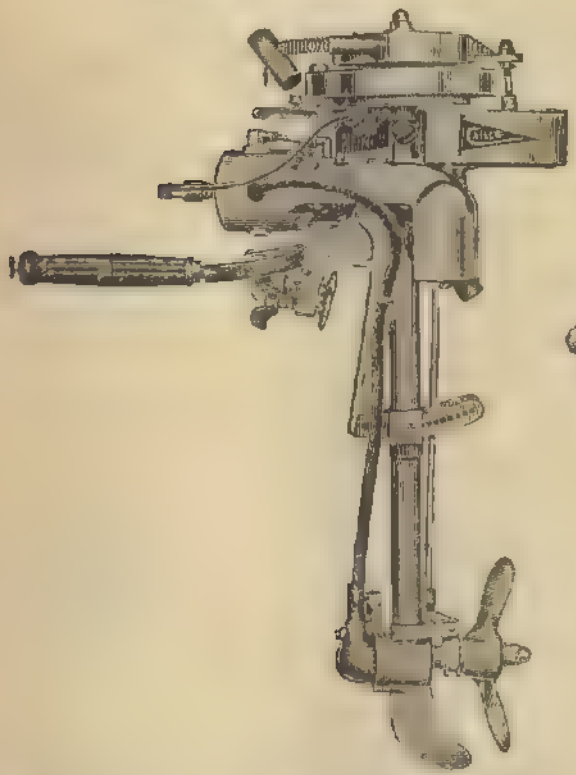
Shapleigh National Series No. 1060. Above plate used in our National Advertising Campaign.

Shapleigh National Series No. 1066. Above plate used in our National Advertising Campaign.

Shapleigh National Series No. 1065. Above plate used in our National Advertising Campaign.

ROWBOAT MOTORS

CAILLE FIVE-SPEED



This is the only Motor built with a five speed Control; 2 speeds ahead; a trolling speed and a full speed at which the ordinary rowboat will be driven at about 8 miles per hour. A slow reverse is furnished together with full reverse. In neutral position, the motor runs idle while the boat lies still. This is the only motor equipped with neutral position. Can be reversed immediately without first going into a speed ahead. Equipped with mechanical starter. The starting device is furnished only with the 5 Speed Models. The extension shaft and adjustable horn permits adapting the motor to a high stern boat or to a boat with the stern cut at an acute angle.

Can be used in either fresh or salt water without any change in equipment. Parts are machined to measurements or limitations of thousandths of an inch according to S. A. E. Standard. A Cord is attached to each motor, requesting the ultimate purchaser to return the cord to the factory to register the motor so that they have on file the name and address of the owner of every motor, each motor being identified by the serial number. Each motor is fully guaranteed by the manufacturers.

SPECIFICATIONS

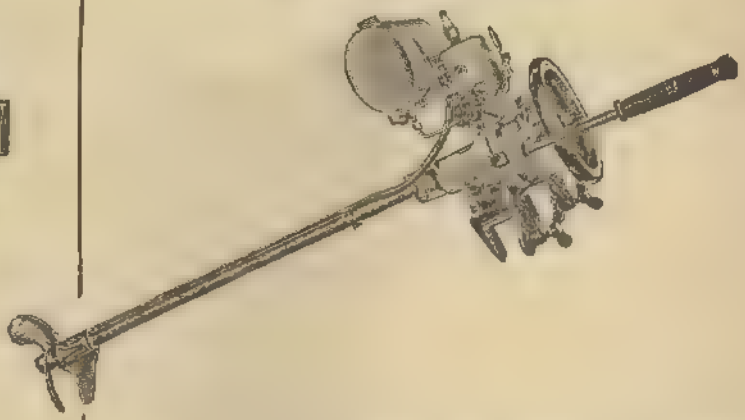
Bore 2⅜ in., Stroke 2¾ in., 750 R. P. M., 2 H. P.
Propeller 9½ in. diamter, 12 in. pitch.
Built-in Flywheel Magneto.
Weight each 85 lbs.
Weight packed for shipment 105 lbs.

No. T7640—No starter with Magneto Ignition, each $198.00

No. T7641—With starter Magneto Ignition only, each $234.00

ONE IN A CASE

CAILLE LIBERTY DRIVE



This is the only genuine tilting motor on the market. Will tilt automatically when passing over shoals, shallows or sunken obstructions. A strut or skeg protects the propeller from damage. The motor may be tilted by pressing down on the steering handle or tiller. Equipped with a weedless propeller. Weeds may wrap around propeller or shaft and can be quickly thrown off by tilting the motor and allow the propeller to revolve free of water for a few seconds. Equipped with knapsack form of fuel tank which is practically indestructible. Machined as carefully as the 5 Speed model. Not equipped with starting device. These motors will drive a boat faster than others due to direct drive from Crank shaft to propeller without passing power thru the medium of gears. Will give a speed of 2 to 9 miles per hour in a 16 ft. rowboat in quiet water. Furnished with battery or magneto ignition. Equipped with conventional type of Berling Magneto. This motor is fitted with bracket for square stern, adjustable bracket for pointed stern may be had on special order at an additional charge.

The Liberty Drive Motor develops about 2 H. P. The motor, complete, weighs 72 lbs. It can be taken apart and carried in two sections, if desired. It comes to you carefully crated and ready to run. It is fully guaranteed.

Weight each 75 lbs.
Weight Packed for shipment 105 lbs.

No. F7642—With Battery Ignition★ ....each $135.00

No. F7643—With Magneto Ignition★ ....each 171.00

Salt Water Fittings, extra★ .....each 11.70

ONE IN A CASE

★ Items Marked Thus ★ Are Shipped From Factory Only.

NETS, NETTING AND SUNDRIES

Prices on Application

"COMMON SENSE" AND "GIANT" NETS

"GIANT" RIGGED NETS
¼ Inch Mesh.
Heavy, All Nets 4 Feet Deep.

No. 14—

Width, ft.	4	6	8	10	12
Each	$0.90	1.40	1.90	2.40	2.80
Width, ft.	15	20	25	30	
Each	$2.60	3.70	4.60	5.60	

"COMMON SENSE" RIGGED NETS
¼ Inch Mesh.
All Nets 4 Feet Deep.

No. 18—

Width, ft.	4	6	8	10	12
Each	$0.66	.92	1.24	1.54	2.10
Width, ft.	15	20	25	30	
Each	$2.40	3.10	3.90	4.60	

NETTING

No. P18N—Common Sense Netting, ¼ in. mesh, 4 ft. deep, light.....per yard 1.00
No. P14N—Giant Netting, ¼ in. mesh, 4 ft, deep, heavy.....per yard 1.00

ALL SIZES OF MESH IN THIS LIST ARE SQUARE MEASUREMENT

COTTON SEINE NETTING

No. P2016CN—

Size of Twine	¼ in	⅜ in.	½ in.	¾ in	1 in	1½ in	2 in	3 in.
20/6 .....per pound	$ 7.27	6.08	....	....	....	....	....	....
14/6 .....per pound	....	....	3.78	....	....	....	....	....
6 .....per pound	4.20	3.78	3.47	....	....	....	....	....
9 .....per pound	....	....	2.75	2.49	2.40	2.28	2.16	2.06
12 .....per pound	....	....	2.23	2.07	1.97	1.90	1.83	1.78
16 and larger .....per pound	....	....	2.04	1.95	1.90	1.83	1.78	1.73

Netting made of hard laid twine 10 cents per pound more than above.

CEDAR FLOATS

No. P102—

1½×5 in. ...per 100	$2.50		
1¾×5 in. ...per 100	4.25	2½×4 in. ...per 100	$4.25
2 ×3 in. ...per 100	2.75	3 ×4 in. ...per 100	5.50
2½×3 in. ...per 100	3.25	3 ×5 in. ...per 100	7.50

HOOPS

No. P100—

5 inch to 1¼ feet, incl. .....each	$0.36
1½ feet to 1¾ feet, incl. .....each	.44
2 feet to 2¾ feet, incl. .....each	.54
3 feet to 3¾ feet, incl. .....each	.69
4 feet to 4¾ feet, incl. .....each	.88
5 feet and 6 feet, incl. .....each	1.09

CAST LEADS

No. P106—

4 to a pound .....per pound	$0.26	
12 to a pound .....per pound	.27	
16 to a pound .....per pound	.38	

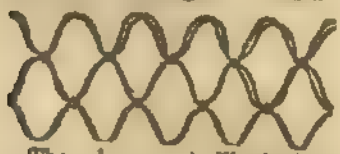
SEINE NEEDLES

No. P104—

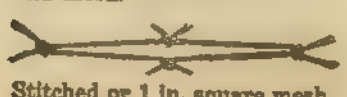
¾ inch to 1 inch .....each	$0.19
1¼ inch to 1½ inch .....each	.26

SUGGESTIONS IN ORDERING NETTING

Single Selvage. Double Selvage. Double Mesh.



The above cut illustrates the different styles of selvage and mesh.



Stitched or 1 in. square mesh.

When ordering or writing for estimates, regard the following suggestions as much as possible—

In Ordering, give full description of net in question, stating its length, depth, size of mesh and size of twine. If you are not acquainted with twines, state the kind of fish you want to catch, and the way you propose to fish for them.

How Measured—Always state dimensions given when on ropes, or is whether the netting is to hang the to measure those dimensions when stretched. We measure a mesh on square basis, if you give stretched measure, always say so.

Give Depth in Meshes—When convenient give depth of net in meshes.

Kind of Selvage—State whether you want double mesh, double selvage, or single selvage, as per cut.

Kind and Quality—State whether you want goods tarred, barked or white.

Net or Netting—Always state whether net is wanted complete or netting only.

We cannot consider claims for shortages or imperfections after seines or nets have been used.

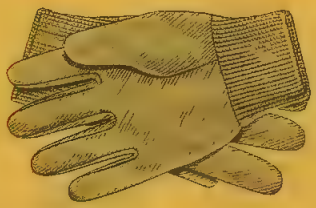
All Mesh Sizes are "Square Mesh," Not Stretched Mesh. One Inch Square is Two Inch Stitched Measure.

BIG 5 SALE

MORE BARGAINS
EVERY BIT AS GOOD AS THESE
Page
Builders' Hardware . . 326
Toilet Paper 215
Harvest Hats 87
ON THE WHITE PAGES

MEN'S 10 OZ. CANTON FLANNEL GLOVE
Knit Wrist

Worth fully $2.00 per dozen on today's market. This glove is made of best grade Eastern canton flannel, with a long heavy inside nap.



7D7766—10 oz. white canton flannel, heavy inside nap, 3 seam back, 2½ in. seamless elastic blue knit wrist. Full sizes. 30 oz. to doz. 1 doz. in carton. Doz. **$1.77½**

5 CARLOADS
SCREEN DOOR SPRING HINGES

That's what we had to buy to bring about this record-breaking seasonable bargain price. The only possible 10c spring hinges in America. They are standard pattern and a well known make. Other jobbers are paying even more than 95c a dozen for them.

2H1421—"Holdback," 3x3, black enameled cast iron, scroll front, tempered steel coil spring. 1 doz. prs. in box. Doz. prs. **95c** 1 gro. in case, Gro. **$10.75**

"CAMEL" CIGARETTES

This is a real bargain price for this month. These cigarettes sell like wildfire and buying at this low figure gives you more than the usual profit.

1Y8760—"Camel," 20 in pkg. 200 in carton. Per M, **$5.95**

9 OZ. HORSE SHOE TUMBLER

This is a "knockout" bargain of the first degree. Prices on tumblers have been advanced by the manufacturers but this price is lower than ever.

1C1535—9 oz., 3¾ in. high, taper shape, full finished crystal, smooth edges, horse shoe bottom. 21 doz. in bbl., 155 lbs. Doz. (Total $6.72) **32c**

"JAPANESE" TISSUE TOILET PAPER

Guaranteed 1,000 sheet roll—will make a wonderful 3 for 25c bargain.

S2810—"Japanese," guaranteed 1,000 sheet roll, sheets 4¼x4¾, fine quality white tissue, attractive yellow Japanese label. 100 rolls in case. Case, **$5.50**

MEN'S AND BOYS' PEANUT HARVEST HATS

THINK OF IT! 96c a dozen for peanut straw hats! A splendid 10c item for a one day sale.

4 dent crown, plain, planter brim. 1 doz. in pkg.

5A5802—Men's, 4¼ in. brim. Assrtd. sizes 6¾ to 7½.
5A5816—Boys', 3¾ " " " " 6½ " 7. Doz. **96c**

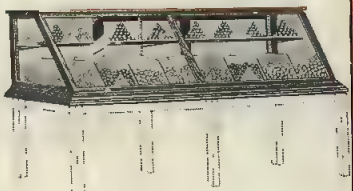
Candy Department

The more you push candy the better your profits and volume will be all through your store. To start right, have a floor case or a counter case as shown below and plenty of price tickets and other equipment.

Over the page are the new factory shipment candies, FRESH GOODS—freshly made each day. NEW PRICES—they speak for themselves and they will bring you extra business and extra turns.

"LITTLE GEM" FLOOR CANDY CASES

"LITTLE GEM" COUNTER CANDY CASES



"Little Gem" Display Case consisting of display counter and sloping front top case with removable front that can be cleaned without disturbing contents, floor of top and bottom sections zinc plated hand rubbed and polished woodwork oxidized copper legs double strength "A" quality glass throughout, polished wood shelf in top case, counter section without top but grooved for glass top (can be used separately if fitted with glass top).

8 FT. CASE—
Complete Case 8 ft. long 50 in. high overall, 27 in. wide outside measurement. Shipping weight 400 lbs.
2Y9077—Golden oak finish . . . . . Each, **$109.50**
2Y9090—Red mahogany finish . . . . . " **112.00**

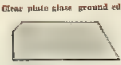
6 FT. CASE—
Complete Case, 6 ft. long, 50 in. high, 27 in. wide, outside measurement. Shipping weight 300 lbs.
2Y9076—Golden oak finish . . . . . Each, **$92.50**
2Y9092—Red mahogany finish . . . . . " **95.00**
These prices do not include dividers and brackets. Same are extra.

8 FT. CASE—
Top Case 8 ft. long, 20 in. high, outside measurement 21 in. wide inside measurement. Shipping wt. 150 lbs.
2Y9089—Golden oak finish . . . . . Each, **$52.00**
2Y9101—Red mahogany finish . . . . . " **54.50**

6 FT. CASE—
Top Case 6 ft. long, 20 in. high, outside measurement, 21 in. wide inside measurement. Shipping wt. 150 lbs.
2Y9088—Golden oak finish . . . . . Each **$44.00**
2Y9103—Red mahogany finish . . . . . " **46.00**
These prices do not include dividers and brackets. Same are extra.

SPECIAL CANDY COUNTER EQUIPMENT AND SUPPLIES

PLATE GLASS DIVIDERS
Clear plate glass ground edges



8x21 in.—For dividing top case into compartments
2Y9078—7 in. case . . } Each
2Y9079—9 " " . . . . } **$1.35**
12x21 in.—For dividing lower case into compartments
2Y9263—6 in. case . . } Each
2Y9265—8 " " . . } **$1.50**

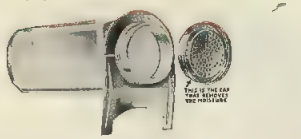
DIVIDER BRACKET

2Y9280—Nickel plated metal brackets with adjustable screws for holding glass dividers in place. 1 pair in pkg. Pr **28c**

BRASS CANDY SCOOP

2Y96 6½ in. French model, hard rolled brass, bright finish. Each, **50c**
1 in pkg

"AIR-DOOR" CANDY SHOW JAR



2Y9189—1 piece extra heavy glass handle metal screw cap door, contents not affected by atmospheric conditions, so easily made moisture absorbing pail to door, absolutely sanitary. Includes metal bracket furnished with jar. 1 in carton. Each **$4.50**

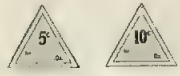
FIBER GLASS CANDY PAIL COVER

2Y778—13½ in. diam., bright aluminum cast top open face of fiber glass pail. For covering cardboard pails and grocery specialties. Will fit standard candy pail. 6 in pkg (Total 25 lb.) Each, **85c**

For our line of Candy Scales and Candy Trays refer to the Index.

SPECIAL CANDY PRICE TICKET ASSORTMENT

The most necessary items for your candy counter.



2Y9091—8 kinds, printed in black on buff colored triangle shape cards. Assorted as follows.

Quantity	
5c oz.	7
¼ lb.	7
½ lb.	7
1 lb.	7
50c pound	3
30c "	3
40c "	3
60c "	3

10 cards in asst. Asst. **25c**

GLASSINE CONFECTIONERY BAGS

2¾ lb. bags, white clear transparent both sides one side. 1 M in box.
2Y8011—½ lb. . . Per M **$1.20**
2Y8012—¼ " " **1.65**
2Y8013—1 " " **2.15**
For our full line of Bags see page 404

GUM AND PACKAGE CANDY DISPLAY CASE

2Y9076—Highly finished oak case 11x21x11½ in. for strength glass, hinged back door k. d. each in case Each **$6.50**

FRESH FROM THE KETTLES

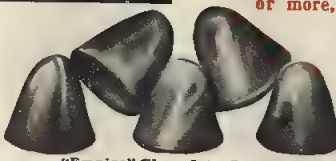
To guarantee freshness these candies must be specially inspected, hence must be shipped separately.

Your order from this page MUST TOTAL 100 LBS. or more, one kind or assorted

Coco Bonbons

3Y622—Soft center vanilla flavored, hand dipped in cream four flavors and colors strawberry, maple, chocolate and vanilla. 40 lbs in pail. Shipping wt 45 lbs.

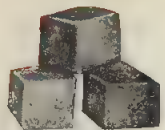
Lb. 17¾c



"Empire" Chocolate Creams

3Y665—Good white center, vanilla flavored, well covered with medium dark sweet coating. 25 to lb. 30 lbs pail.

Lb. 15¼c



Coco Squares

3Y618—Heavy crystallized soft shredded cocoanut, assid. flavors, maple, vanilla and strawberry, about 45 pcs to lb. 30 lbs in pail. Shipping wt 35 lbs

Lb. 17¾c

Jelly Beans

3Y585 — Standard size, sugar coated, very soft centers. Assorted, many flavors and colors. 40 lbs in pail. Shipping wt. 45 lbs.

Lb 15c

Crystallized Jelly Gums

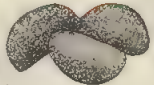
3Y617 — Very fine soft jelly gums. 8 flavors and colors, lemon, orange, lemon, pine apple and raspberry about 45 pcs. to lb. 30 lbs. in pail. Shipping wt. 35 lbs.

Lb 14¾c

Assorted Imperials

3Y616—High grade pan sugar coated very bright, assid. in many colors and flavors. 30 lbs in pan. Shipping wt. 35 lbs.

Lb 17c



Fruit Slices

3Y609—Orange and lemon like slices, soft jelly fruits consistency, assid colors and flavors about 80 pcs to lb. 20 lbs in pail. Shipping wt. 25 lbs.

Lb 16½c

Jaw Breakers

3Y615—Assid red and black fine sugar candy, to be used as gold or silver ones, abt 55 pcs to lb. well 7 lbs in pail. Shipping wt 35 lbs.

Lb 17½c

Satin Finish Hard Candy

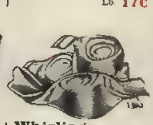
3Y604—15% filled with cocoanut and peanut butter in many colors and flavors, about 120 pcs to lb. 30 lbs. in pan. Shipping wt. 35 lbs.

Lb. 17¼c

Assorted Marshmallows

3Y625—Toasted cocoanut and plain white, very fluffy and sweet, about 55 pcs to lb. 25 lb. box mat. Assid. 30 lbs in case. Shipping wt 35 lbs.

Lb. 19½c



Whirling Cream Caramels

3Y676—High grade soft chewing caramel candy, vanilla and cocoa, with peanut crush, filling, about 55 pcs to lb. each piece wrapped. 30 lbs in case. Shipping wt. 35 lbs.

Lb 17½c

Butter Caramels Wrapped

3Y627—Soft chewing butter caramel, vanilla flavored, waxed paper wrapped about 75 pcs to lb. 30 lbs in layer packed case. Shipping wt. 35 lbs

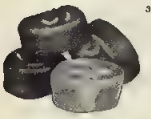
Lb. 19c

Tutti Frutti

3Y607—Coconut candy oblong shapes 3 layered with assid colors and flavors, jelly pieces, worked in pan two about 80 pcs to lb. 20 lbs in pan. Shipping wt. 35 lbs.

Lb. 18c

Cream Dips, Hand Work



3Y606 Soft cream center maple flavored slab cream coated dips assid. flavors, maple, strawberry cherry, pineapple and vanilla about 45 pcs to lb. 30 lbs in case. Shipping wt. 40 lbs.

Lb 18½c

Butter Cream Mixed

3Y603—Big variety flavors and colors, shapes, about 100 pcs to lb. 30 lbs in case. Shipping wt. 35 lbs.

Lb 19½c

Big Profit Candy Assortment

Price tickets included with this extraordinary offer.

3Y500—Asst consists of the following

Jujubes Cube Drops	40 lbs @	10c
Crystal Jelly Gums	35 " @	14½c
Fan Rock Candy	30 " @	17½c
Satin Finish Hard Candy	35 " @	14½c
Mixed Cocktail Peanuts	35 " @	20c
Total 180 lbs in Asst		
At the price to sell for		$46.20
Costs You		$28.00
Profit,		$18.20

Marshmallow Peanuts

3Y171—Banana flavor light and fluffy very tasty sell by weight or count about 200 pcs to lb. 30 lbs in case. Shipping wt 35 lbs.

Lb 20c

Toasted Crunches

3Y605 Pure sugar jacket molasses flavored filled with peanut butter rolled in toasted cocoanut, about 120 pcs to lb. 30 lbs in pail. Shipping wt 35 lbs.

Lb 18½c

SEMI-PORCELAIN DINNER SETS

"Delmonte"—National China Co.'s first quality light weight white semi-porcelain, [illegible] pink rose, daisies and forget-me-nots on black band, gold edges, striped handles and verge line. No Package Charge.

E23890—42 piece set.
Shipping weight about 40 lbs
SET (42 pcs.) **$9.35**

E23896—50 piece set.
Shipping weight about 50 lbs
SET (50 pcs.) **$13.40**

E23893—100 piece set.
Shipping weight about 90 lbs
SET (100 pcs.) **$27.10**

"Aladdin" Light weight American semi-porcelain, new plain shape all hollow ware with footed bases, semi-conventional border blue & gray basketweave with medallions and rose wreath clusters, gold tinted handles and knobs. Each set in pkg.

E22990—42 piece set.
Shipping weight about 40 lbs
SET (42 pcs.) **$9.95**

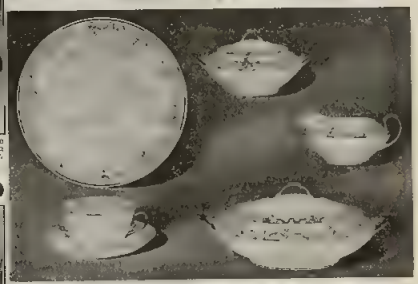
E22996—50 piece set.
Shipping weight about 48 lbs
SET (50 pcs.) **$12.50**

"New Congressional"—"Homer Laughlin" trademarked. Light weight [illegible] semi-porcelain, "Yankee" shape with pink rose gold border, half coin gold handles, base of uprights pieces coin gold trimmed. No Package Charge.

E13893—100 piece set.
[illegible] weight about 90 lbs
SET (100 pcs.) **$28.90**

"Berkeley"—"Canonsburg" trademarked. Light weight, pure white, first quality American semi-porcelain, [illegible] shape, [illegible] gilt edges, Canonsburg indigo blue scroll border pink roses and foliage on black medallions, inner gold bands, [illegible] handles and knobs of [illegible] pieces. No Package Charge.

E19793—100 piece set.
[illegible] weight about 90 lbs
SET (100 pcs.) **$28.80**

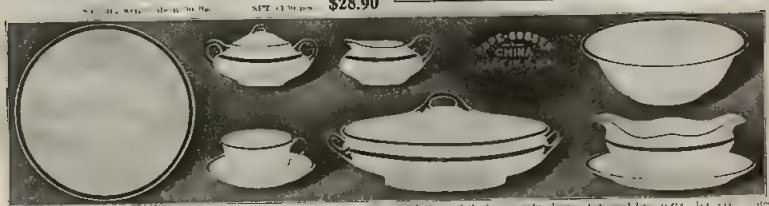


"Audubon" Canonsburg trademarked. Light weight first quality white semi-porcelain, [illegible] new shape, [illegible] pink and green foliage, fruits and border gold edges, half coin gold knobs and handles of [illegible] pieces. No Package Charge.

E19690—42 piece set.
Each set about 40 lbs
SET (42 pcs.) **$11.60**

E19693—100 piece set.
Shipping weight about 90 lbs
SET (100 pcs.) **$31.75**

NO PACKAGE CHARGE ON DINNERWARE



"De Luxe"—"Hoge-Lowser" trademarked. Light weight [illegible] semi-porcelain, [illegible] fruits with French foot, cups with gold gold verge line. No Package Charge.

E17693—100 piece set.
Shipping weight about 90 lbs
SET (100 pcs.) **$37.75**

Composition of Our Dinner Sets

42 Piece Set

6 tea cups
6 saucers
6 plates, 4 in.
6 plates, 5 in.
6 plates, 7 in.
1 baker, 7 in.
1 bowl, 9 in.
1 platter, 8 in.
6 fruits, 4 in.
1 covd. sugar (2 pcs.).
1 creamer.

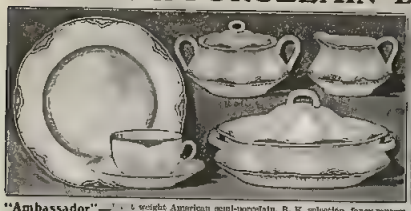
50 Piece Set

8 tea cups
8 saucers
8 plates, 4 in.
8 plates, 5 in.
6 plates, 7 in.
6 soup cups
6 fruits, 4 in.
1 bowl, 9 in.
1 bowl, 10 in.
1 dish, 10 in.
1 creamer.
1 covd. sugar (2 pcs.).
1 covd. dish (2 pcs.)

100 Piece Set

12 tea cups
12 saucers
25 plates, 4 in.
13 plates, 5 in.
13 plates, 7 in.
1 soup tureen
1 baker, 9 in.
1 platter, 8 in.
1 platter, 12 in.
12 fruits, 4 in.
1 covd. sugar (2 pcs.).
1 creamer
1 butter dish (3 pcs.
2 casserole, 1 pcs.
2 covd. dish, 7 in. (2 pcs.).
1 sauce boat (2 pcs.
1 pickle dish

SEMI-PORCELAIN DINNER SETS—Contd.



"Ambassador"—[illegible] weight American semi-porcelain, R. K. selection, fancy ramson [illegible] pencil striped edges, gold band embossed decoration with extra [illegible] handles and knobs. No Package Charge.

E23190—42 piece set.

6 tea cups,	1 bowl, 5½ in.
6 saucers,	1 platter, 8 in.
6 plates, 6 in.	6 fruits, 4 in.
6 plates, 5 in.	1 covd. sugar (2 pcs.
6 plates, 7 in.	1 creamer
1 baker, 7 in.	

Shipping weight about 40 lbs. SET (42 pcs.) **$6.00**

E23193—100 piece set.

12 tea cups,	1 baker, 7 in.
12 saucers,	1 platter, 8 in.
12 plates, 6 in.	2 platters, 12 in.
12 plates, 5 in.	12 fruits, 4 in.
12 plates, 7 in.	1 covd. sugar (2 pcs.).
12 coupe soups.	1 creamer

Shipping weight about 90 lbs. SET (100 pcs.) **$17.50**

E23196—50 piece set.

6 tea cups,	1 platter, 7 in.
6 saucers,	1 baker, 8 in.
6 plates, 6 in.	1 creamer
6 plates, 5 in.	1 covd. sugar (2 pcs.).
6 plates, 7 in.	1 sauce boat (2 pcs.).
6 coupe soups.	1 covd. dish (2 pcs.).
6 fruits, 4 in.	

Shipping weight about 50 lbs. SET (50 pcs.) **$8.40**

Floral Bouquet—High grade light wt. pure white semi-porcelain, hand painted effect [illegible] bright colored floral bouquet and basket picture with dark blue cor- [illegible] Package Charge. No

E23390—42 piece set.

6 tea cups,	1 bowl, 5½ in.
6 saucers,	1 platter, 8 in.
6 plates, 6 in.	6 fruits, 4 in.
6 plates, 5 in.	1 covd. sugar (3 pcs.).
6 plates, 7 in.	1 creamer
1 baker, 7 in.	

Shipping weight about 45 lbs. SET (42 pcs.) **$6.95**

E23396—50 piece set.

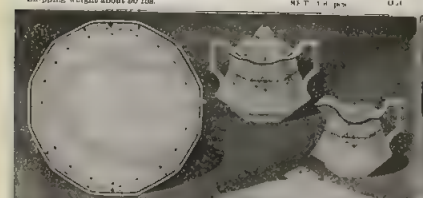
6 tea cups,	1 bowl, 5½ in.
6 saucers,	1 platter, 10 in.
6 plates, 6 in.	6 fruits, 4 in.
6 plates, 5 in.	1 covd. sugar (2 pcs.).
6 plates, 7 in.	1 creamer
6 coupe soups.	1 covd. dish, 8 in. (3 pcs.
1 baker, 7 in.	

Shipping weight about 50 lbs. SET (50 pcs.) **$8.75**

E23393—100 piece set.

12 tea cups	1 baker, 7 in
12 saucers,	1 platter, 8 in
12 plates, 6 in	1 platter, 12 in
12 plates, 5 in	12 fruits, 4 in
12 plates, 7 in	1 covered sugar (2 pcs.)
12 coupe soups.	1 creamer

Shipping weight about 90 lbs. SET (100 pcs.) **$17.95**



"Royal Blue"—[illegible] weight semi-porcelain, patented pearoid shape, stalk-glazed [illegible] royal blue border with gold lace decoration, gold edges and orna- [illegible] mented blue handles and knobs. Subject to slight variation in shape and shade. No Package Charge.

E18693—100 piece set.

12 tea cups,	1 baker, 7 in
12 saucers,	1 platter, 8 in
12 plates, 6 in	1 platter, 12 in
12 plates, 5 in	12 fruits, 4 in
12 plates, 7 in.	1 covd sugar (2 pcs.).
12 coupe soups.	1 creamer

Shipping weight about 90 lbs. SET (100 pcs.) **$17.95**

"Avona"—"Taylor, Smith & Taylor" trademarked. Light weight semi-porcelain [illegible] connecting lines, wide gold edges, verge lines and striped handles, bowknot effect handles [illegible] cut covd. dishes, bolted pieces tissue wrapped. No Package Charge.

E22393—100 piece set.

12 tea cups,	1 baker, 7 in
12 saucers	1 platter 8 in
12 plates, 6 in	2 platters, 12 in
12 plates 5 in	12 fruits, 4 in
12 plates, 7 in	1 covd sugar (2 pcs.
12 coupe soups	1 creamer

Shipping weight about 90 lbs. SET (100 pcs.) **$18.50**

"Arlington"—"Canonsburg" trademarked. high grade light weight white semi-porcelain, [illegible] gold band edges, beautiful small pink rose and small white flower and [illegible] green leaf spray decoration, gold traced handles and knobs, plain shape.

E19590— 42 pc. set.	E19594 50 pcs. set.	E19596— 100 pc. set.
$6.75	**$9.25**	**$18.50**

E19590—42 piece set.

6 tea cups,	1 bowl, 5½ in.
6 saucers,	1 platter 8 in.
6 plates 4 in.	6 fruits, 4 in.
6 plates 5 in	1 creamer,
6 plates, 7 in	1 covd. sugar (2 pcs.)
1 baker, 7 in	

Shipping weight about 40 lbs. SET (42 pcs.) **$6.75**

E19594—50 piece set.

6 tea cups,	1 salad [illegible] in
6 saucers,	1 bowl 5½ in.
6 plates, 4 in.	1 platter, 10 in.
6 plates, 5 in.	1 creamer
6 plates, 7 in.	1 covd. sugar (2 pcs.)
6 coupe soups.	1 covd dish (2 pcs.)
6 fruits, 4 in.	

Shipping weight about 50 lbs. SET (50 pcs.) **$9.25**

E19593—100 piece set.

12 tea cups,	1 baker, 7 in
12 saucers,	1 platter 8 in
12 plates, 4 in.	1 platter, 12 in
12 plates, 5 in	12 fruits, 4 in
12 plates, 7 in.	1 covd. sugar (2 pcs.)
12 coupe soups	1 creamer

Shipping weight about 90 lbs.

1 butter dish (3 pcs.)
1 casserole (2 pcs.)
1 covd dish, 7 in. (2 pcs.)
1 sauce boat (2 pcs.)
1 pickle dish

SET (100 pcs.) **$18.50**

"Geneva"—Light weight American semi-porcelain, [illegible] border [illegible] and [illegible] narrow tan and ivory border gold edges and traced [illegible] No Package Charge

E18990—42 piece set.

6 tea cups,	1 baker, 7 in.
6 saucers,	1 bowl, 5½ in.
6 plates, 4 in.	1 platter, 8 in.
6 plates, 5 in.	6 fruits, 4 in.
6 plates, 7 in.	1 covd. sugar (2 pcs.).
1 cream pitcher	

Shipping weight about 40 lbs. SET (42 pcs.) **$9.50**

E18996—50 piece set.

6 tea cups,	1 salad [illegible] in
6 saucers	1 bowl, 5½ in.
6 plates, 4 in.	1 dish, 10 in.
6 plates, 5 in	1 creamer
6 plates, 7 in.	1 covd. sugar (2 pcs.)
6 coupe soups	1 covd dish (2 pcs.)
6 fruits 4 in.	

Shipping weight about 50 lbs. SET (50 pcs.) **$13.25**

E18993—100 piece set.

12 tea cups	12 coupe soups	1 covd sugar (2 pcs.).
12 saucers,	1 baker, 7 in	1 creamer
12 plates, 4 in	1 platter, 8 in	1 butter dish (3 pcs.)
12 plates, 5 in	1 platter, 12 in	2 casserole (2 pcs.)
12 plates, 7 in.	12 fruits, 4 in.	

Shipping weight about 90 lbs.

1 covd dish, 7 in. (2 pcs.
1 sauce boat (2 pcs.
1 pickle dish

SET (100 pcs.) **$27.50**

Carbic Lights and Generators

Style No.	3	2	1	Cadet	Hand Light
Model No.	302	202	102	12	C

Style No.	3	2	1	CADET	HAND LIGHT
Model No.	302	202	102	12	C
Height	6 feet 7 inches	6 feet 7 inches	6 feet 3 inches	4 feet 7¾ inches	15¾ inches
Shipping Weight	121 lbs.	80 lbs.	63 lbs.	39 lbs.	14 lbs.
Charge	1 to 8 No 20 Carbic Cakes	1 to 4 No. 20 Carbic Cakes	1 to 2 No. 20 Carbic Cakes	1 to 4 No. 5 Carbic Cakes	1 to 2 No. 5 Carbic Cakes
Burns	12 Hours	12 Hours	6 Hours	5 Hours	8 Hours
Operating Cost	(Both Burners) 10c. Per Hour	5c. Per Hour	5c. Per Hour	4½c. Per Hour	Less than 1½c. Per Hour
Price Each					

Carbic Cakes

No. 20. Carbic Cakes are used in lights 1-2-3-and 4.

100 Pound Drums

No. 5. Carbic Cakes are used in Carbic Cadet and Hand Lights.

75 Pound Drums
40 Pound Drums

Carbic Lights represent the highest development in portable lighting equipment. They fill every exacting requirement of a powerful, portable light, the essential qualities of which are efficiency, portability, economy and simplicity—coupled with absolute safety.

They operate by the combined use of Carbic Cakes and the Carbic system of efficient, automatic operation, whereby the gas is generated only as required.

All Carbic Lights are equipped with storm, wind and weather proof burners and the flame from these lights is smokeless, sootless and free from sparks.

Carbic Cakes

Carbic Cakes are made from highest grade Calcium Carbide treated and compressed into briquet form and represent not only the most efficient and economical means of supplying gas for portable torches but by far the safest.

Quality of Gas. The gas from Carbic is exceptionally pure owing to the composition of the cakes and to the exclusive carbic system of generating gas at **low** temperature. The purity insures a clear, white smokeless flame of great illuminating power and eliminates the constant clogging of burner tips and sooting of reflectors.

Overtime and night work is safer and more profitable if you have Carbic Lights on the job.

Solid Gold Cameo Brooches

All Have Safety Catches. Prices Each.

No. 6169 . . . . . $33.75
Fine real pink shell cameo
Polished green 14k gold filigree mounting

No. 6170 . . . . . $32.90
Fine real carnelian shell cameo
Hand engraved and engine turned
English finish mounting

No. 6171 . . . . . $30.75
Fine real pink shell cameo
Hand engraved English finish
Heavy mounting

No. 6172 14k $30.00
Real carnelian shell cameo
Fancy open work mounting
White gold raised ornaments
English finish Safety catch

No. 6173 . . . . . $27.40
Fine real pink shell cameo
Heavy mounting
Polish finish
Engraved green gold edge
and applied ornaments

No. 6174 . . . . . $27.00
Fine real pink shell cameo
Extra heavy
Pearl mounting
English finish Applied
red and green gold finish

No. 6175 . . . . . $26.75
Real carnelian cameo
Hand chased
English finish mounting

No. 6176 . . . . . $25.25
Real carnelian shell
cameo
English finish mounting

No. 6177 . . . . . $24.00
Real pink shell cameo
Extra heavy tiered
Antique finish mounting.
Applied green gold
ornaments

No. 6178 . . . . . $23.15
Real pink shell cameo
Hammered mounting
English finish

No. 6179 . . . . . $22.90
Real pink shell cameo
Fine French pearls
Bright finish
Gold enamel

No. 6180 . . . . . $21.50
Real carnelian shell
cameo Fancy mounting
Matted with gold orna-
ments English finish
Safety pin

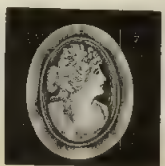
No. 6181 . . . . . $21.00
Fine real carnelian
cameo
Hand engraved
English finish mounting

No. 6182 . . . . . $20.80
Real pink shell cameo
Fine French pearls
Applied green gold
ornaments
English finish

No. 6183 . . . . . $17.65
Genuine pink shell
cameo
English finish
Hand engraved.

No. 6184 . . . . . $16.40
Fine real pink shell
cameo
Hand engraved
Matted green gold

No. 6185 . . . . . $16.00
Pink shell cameo
Hammered border.
English finish.



No. 6186 . . . . . $15.85
Pink shell cameo
English finish mounting

No. 6187 . . . . . $12.75
Fine real pink shell
cameo Pierced English
finish mounting

14k and 10k Solid Gold Thimbles

SIZES 5 TO 12. QUALITY GUARANTEED. PRICES EACH.

No 6110 14k $15.20
No 6111 10k 11.65
Hand chased. Extra heavy. Polished

No 6112 14k $13.75
No 6113 10k 10.15
Engine turned and engraved. English finish.

No 6114 14k $12.20
No 6115 10k 8.60
Faceted borders. Heavy. Polished.

No 6116 14k $12.20
No 6117 10k 8.60
Plain raised border. Polished

No 6118 14k $12.55
No 6119 10k 8.90
Engine turned. English finish.

No 6120 14k $13.30
No 6121 10k 10.15
Hand engraved. Polished.

No 6122 14k $12.00
No 6123 10k 9.70
Hand chased border. Polished.

No 6124 14k $12.00
No 6125 10k 9.20
Heavy. Polished

No 6126 14k $10.90
No 6127 10k 7.85
Engine turned. English finish.

No 6128 14k $9.15
No 6129 10k 7.90
Hand engraved. Polished.

No 6130 14k $8.60
No 6131 10k 6.85
Hand chased. Knurled border. Polished.

No 6132 14k $8.60
No 6133 10k 6.85
Hand chased. Polished

No 6134 14k $7.95
No 6135 10k 6.05
Chased and faceted. Polished

No 6136 14k..$7.60
No 6137 10k.. 5.85
Beaded border Polished

Gold Filled, Gold Band and Sterling Silver Thimbles

SIZES 5 TO 12. PRICES EACH.

No 6138 $3.40
Gold filled. Hand chased. Polished

No 6139 $3.20
Gold filled. Hand chased. Polished

No 6140 $3.10
Sterling silver. Gold band. Hand engraved. Polished.

No 6141 $2.95
Sterling silver. Gold band. Hand chased. Polished.

No 6142 $3.00
Sterling silver gold band. Polished

No 6143 $2.45
Sterling silver. Raised ornaments. French gray

No 6144 $2.90
Sterling silver. Raised design. Satin finish.

No 6145 $1.75
Sterling silver. Hammered. Grey finish

No 6146 $1.85
Sterling silver. Raised design. French gray

No 6147 $1.75
Sterling silver. Hand chased. Polished.

No 6148 $1.75
Sterling silver. Engine turned. Polished

No 6149 $1.40
Sterling silver. Hand chased. Polished

No 6150 $1.50
Sterling silver. Hand engraved. Polished

No 6151 $1.40
Sterling silver. Faceted. Polished

No 6152 $1.40
Sterling silver. Bright cut. Engraved. Satin finish.

No 6153 $1.85
Sterling silver. Hand engraved. Polished.

No 6154 $1.30
Sterling silver. Bright cut. Engraved. Satin finish.

No 6155 $1.30
Sterling silver. Bright cut. Engraved Satin finish

No 6156 $1.25
Sterling silver. Hand chased. Polished

No 6157 $1.26
Sterling silver. Plain border. Polished

No 6158 $1.25
Sterling silver. Hand engraved. Polished

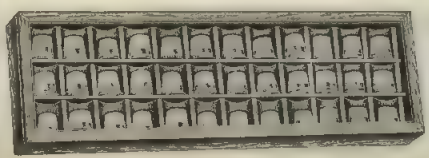
No 6159 $1.15
Sterling silver. Hand chased. Polished.

No 6160 .. $1.10
Sterling silver. Chased and knurled. Polished.

No 6163 . $0.48
Sterling silver. Hand chased. Polished.

No 6164 $0.55
Sterling silver. Hand chased. Polished.

Sterling Silver Thimble Assortment



No 6165 Per assortment of 3 dozen in case, as shown..... $20.00
Assorted patterns. Sterling silver, heavy weight.

No. 6166 Per assortment of 2 dozen in case, as shown $15.25
Assorted patterns. Sterling silver, medium weight.

No 6161 .....$1.05
Sterling silver. Fancy chased. Polished

No. 6162 . $1.00
Sterling silver. Open top Faceted

No 6167 ....$0.80
Sterling silver. Chased and polished.

No. 6168 ..$0.50
Sterling silver. Chased and polished

TANKS DEPENDABLE PUMPS

BOWSER

Most Beautiful Visible is Bringing More Trade

This pump, the Sentry Visible, is so strikingly beautiful that it attracts trade by its appearance; it holds trade, and brings people back to you, because it is fast and accurate.

The Sentry Visible is self-measuring, like every other Bowser pump, but the measure is on top, instead of in the housing—"glass instead of brass." The graduated cylinder measures the gas mechanically, in other words, and with unfailing accuracy — you just can't serve more than you're being paid for!

Improved interlocking devices, sturdiness of construction, paint that stays on and stays bright, fast-running gears, absolute visibility of both cylinder and register dial—these are some of the reasons why you ought to have a Bowser Sentry Visible.

Ask for folder A-52, and we'll send you FREE our *new* booklet, "How to Sell More Gas and Oil."

S. F. BOWSER & COMPANY, Inc.
Pump and Tank Headquarters
FORT WAYNE, INDIANA.
Sales and Service Offices and Agencies in Principal Cities

THIS SYMBOL IN ANY ADVERTISEMENT MEANS SEE "CHILTON AUTOMOBILE DIRECTORY" FOR COMPLETE BUYING INFORMATION

Profits Speeding by Your Door How to Stop Them

The problem is: How to get them to stop at your door?

A Wayne Pump installed at the curb in front of your business place will do the work.

It will pay you in worth while profits from gasoline and oils. It will pay you in the good will it generates. Sales of gasoline are looked upon by motorists as a real service.

A Wayne Pump will pay you even better, however, by reason of the additional sales it brings you. These sales would have gone elsewhere were it not for the silent attraction it exerts.

It is obvious that many motorists who pass your place day after day need new cars. If you could talk with them, you might easily interest them in yours.

Many need tires, accessories of various kinds, batteries or garage service. When they stop in front of your place, a good man at the Wayne Pump can easily gain their interest,—and sell them

Order a Wayne Pump installed, and note the increased business which follows *if your store is intelligently merchandised through it.* Find out how little it costs to buy. Write us today.

Wayne Gasoline Pumps Are of Various Types and Sizes, and Are Sold at Corresponding Prices. There is one that will exactly fit your needs. They are Made by a Company which for More Than 30 Years Has been Noted for the Advanced Design and Goodness of its Products and which Today Is the Acknowledged Leader in Its Field.

Wayne Tank & Pump Co., 702 Canal St., Ft. Wayne, Ind.

Wayne Tank & Pump Co. of Canada, (Ltd.), Toronto, Ont., Canada
Wayne Tank & Pump Company, 9 Kingsway, London, W. C. 2, England

Division Offices in: Atlanta, Birmingham, Boston, Chicago, Cincinnati, Cleveland, Columbus, Dallas, Dayton, Des Moines, Detroit, Indianapolis, Jacksonville, Kansas City, Milwaukee, Minneapolis, New York, Omaha, Peoria, Philadelphia, Pittsburgh, San Francisco, St. Louis and South Bend

Warehouses in: Philadelphia and San Francisco

An International Organization With Sales and Service Offices Everywhere

REG. U. S. TRADE MARK

Wayne

HONEST MEASURE PUMPS

THIS SYMBOL IN ANY ADVERTISEMENT MEANS SEE "CHILTON AUTOMOBILE DIRECTORY" FOR COMPLETE BUYING INFORMATION

A Profit-Making System—

Here are the details of an accessory selling system that gets profits.

Salesmen are instructed to sell accessories with every car.

A list of accessories is included in the car contract for the guidance of car salesmen so that no sales opportunities will be overlooked.

Suggested List of Accessories to be Included in Car Contract

Spare tire	Spotlight
Motometer	Kit of lamp bulbs
Rear view mirror	Kit of AC Spark Plugs
Bumpers	Tire pressure gage
Stop signal	
Windshield cleaner	

A commission is paid car salesmen on their accessory sales. This gets their co-operation in selling this equipment.

Commissions are also paid to the clerks in the accessory store or department, and to men in the garage who handle customers.

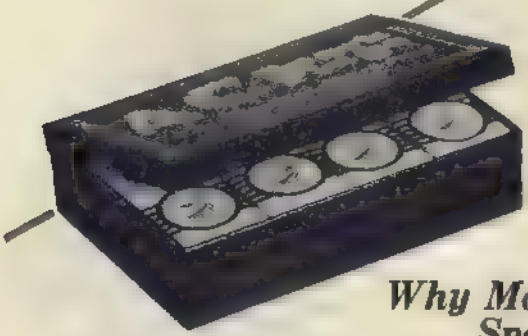
Every car entering the garage is checked over to find out what accessories are needed to complete its equipment. An effort is then made to sell the needed accessories.

Advantage is taken of display, manufacturers' selling helps and of the national advertising on products carried in stock.

A kit of AC plugs is sold with every car delivered.

This system is making profits for many dealers. It will make profits for any dealer who will adapt it to his business.

Dealers can get the biggest profits from this system by concentrating their selling efforts on the leader in each field. The opposite page proves why AC is the recognized leader in the spark plug field.



The AC Spark Plug Kit to carry spare plugs

The opposite page proves why AC is the leader in the spark plug field.

Why Motorists Should Carry Spare Spark Plugs

Spare spark plugs are insurance against trouble.

The AC Plug Kit makes it possible to carry spare spark plugs without damage.

The kit is furnished the motorist free with a set of four AC Spark Plugs.

The kits cost you nothing. Ask your jobber's salesman about them.

Sell AC Spark

THIS SYMBOL IN ANY ADVERTISEMENT MEANS: SEE "CHILTON AUTOMOBILE DIRECTORY" FOR COMPLETE BUYING INFORMATION

Think of all the CHEVROLETS—*they have always been* AC-*equipped.*

—*all the* BUICKS—AC-*equipped for fifteen years.*

—*all the* DODGE BROTHERS—*have never used anything but* AC.

—*all the* NASH *cars—always* AC-*equipped.*

—OAKLANDS—*for the past fifteen years* AC-*equipped.*

—*all the* OVERLANDS—AC-*equipped for years.*

—*all the* WILLYS-KNIGHTS—AC-*equipped for years.*

—*all the* DURANTS—*have never used anything but* AC.

—*all the* STARS—*always* AC-*equipped.*

—*all the* HUDSONS—AC-*equipped for the past ten years.*

—*all the* ESSEX *cars—have never used anything but* AC.

—*all the* MAXWELLS—AC-*equipped for years.*

—*all the* CHALMERS—AC-*equipped for years.*

—*all the* PAIGE *cars—for the past eight years* AC-*equipped.*

—*all the* JEWETTS—*always* AC-*equipped.*

—OLDSMOBILE—AC-*equipped for the past fifteen years.*

—HUPMOBILE—*for the past ten years* AC-*equipped.*

—CADILLAC—AC-*equipped for the past ten years.*

—*all the* CHANDLERS—AC-*equipped for the past nine years.*

AND MORE THAN TWO HUNDRED OTHERS—all AC-equipped and already in use in your locality. This tremendous ready-made market for AC's is right at your door, and will always be there in ever-increasing size. Each day the demand for AC's grows bigger.

Read on page 252 about AC 1075 *Special for Fords,* which gives you an opportunity to take first place in the enormous Ford plug replacement business.

There's an AC plug for every motor—you need not tie up money in other brands, but concentrate on AC's, the easiest selling, most profitable and best known quality plug.

AC Spark Plug Company, FLINT, *Michigan*

Makers of AC Spark Plugs—AC Speedometers

U. S. Pat. No. 1,135,727, April 13, 1915; U. S. Pat. No. 1,216,139, Feb. 13, 1917. Other Patents Pending

Plugs by the Kit

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ROLLIN

A New and Advanced Motor Car

Designed by R. H. White

In introducing the Rollin car we say much when we state that every part and piece of the mechanism was designed by R. H. White.

R. H. White needs no introduction to the automobile merchants of this country.

He was one of the founders of the White Motor Company, of which he was vice-president and chief engineer for years.

His direction and supervision of the White Motor Company's engineering department alone gives him an experience which is unusually vast and comprehensive.

His understanding of steels and precisely what can be accomplished with certain alloys qualifies him as a world authority on this scientific subject.

In designing high quality four cylinder motors and in the perfection of many major refinements Mr. White has had an experience, covering two decades, that has won enviable repute in the automotive industry.

Thus, when we say R. H. White has designed a new car, it is a foregone conclusion that the new product will represent a step decidedly in advance of everything else that has gone before.

For two years R. H. White and his associates have been developing this new car.

R. H. White's latest product is a very highly developed 4-cylinder car—designed strictly along European lines—small bore, long stroke, high compression motor.

For simplicity in design—rugged construction—snap, ginger and spirited performance—this new car is destined to appeal to a very large market.

Quantity production, of course That's the beauty of it. For large production makes it possible for us to market this car at a price under one thousand dollars.

We have an unusual proposition to put before dealers. For, not only is the car literally covered with selling features, but we have what we believe is the fairest sales agreement ever written.

We suggest dealers write immediately.

THE ROLLIN MOTORS COMPANY

CLEVELAND OHIO

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R. H. WHITE
Designer of the New Rollin

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Authority Discusses Four-Wheel Brakes

Reserve Braking Power for Emergency Stops the Greatest Advantage. Skidding Danger Practically Eliminated

By GEORGE U. READIO*

THE adoption of four-wheel brakes by some manufacturers has resulted in discussion as to their merits and disadvantages. There is no question but what the four-wheel brakes add a great measure of safety especially in the unexpected emergency because it is practical to use them on slippery places and at high speed to either slow down or stop without skidding, impossible with rear brakes alone, without disaster.

The chief criticism against the four-wheel system appears to be the results of braking hard at the wrong time but we all know what occurs when rear wheel brakes are applied on a slippery turn. The four-wheel brakes can be used for a very quick stop where rear types cannot be used at all; that is, where a skid would result. Now regarding skidding with brakes it would seem to most of us that the place to drag a car, and keep the front end front, would be the rear end, but if we slide the rear wheels with rear wheel brakes, the rear end tries to get ahead of the front. It would do so unless we so steer as to keep the rear end balanced behind the front end so it cannot get around either way, and this is not practical if we are in a turn

With the four-wheel brakes it is impossible to make the rear end do anything but follow the tracks of the front end which shows there must be something wrong with our theory as to which the brakes should be on. A car with front wheel brakes can be stopped in half the distance it can with rear wheel brakes and without skidding, due to the center of gravity being thrown forward, making more weight on the front. The possibility of sliding the front wheels and losing steerage way is not as likely as it appears due to the throwing forward of the weight on to the front end. Any tendency to skidding can be instantly stopped with the front wheel brakes by a slight reduction of pressure on the pedal.

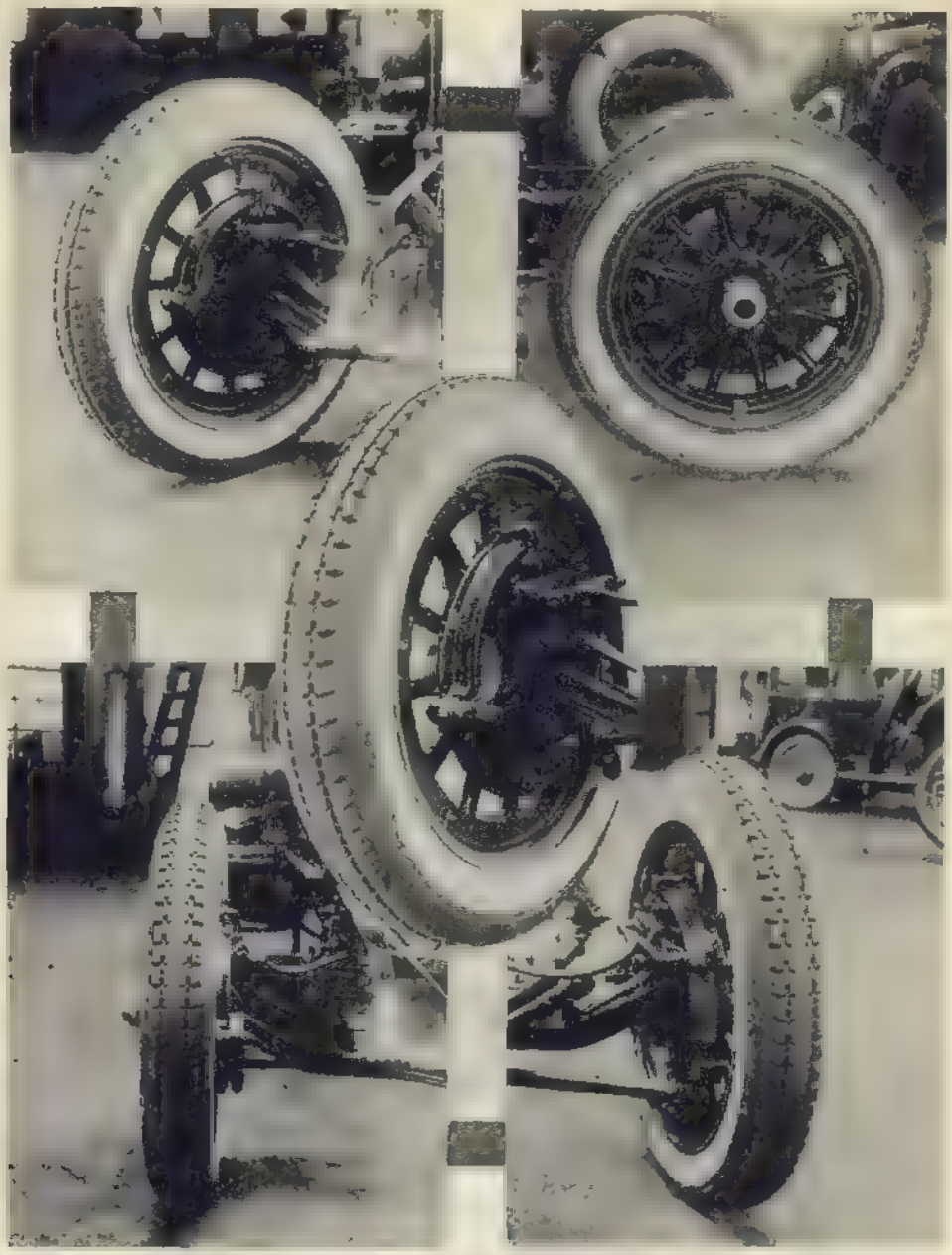
With brakes an all four wheels we have a much better condition. With equal pressure the distance required to bring the car to a complete stop can be reduced 25 per cent over the best rear wheel brake stop and there will be no skidding and very little liability of losing steerage way, because with an abrupt stop the car weight is shifted so hard to the front wheels that it is nearly impossible to slide both.

In making an abrupt stop on a turn it will be found that both front and rear wheels on the inside of the turn will slide but both outside ones will roll, due to the centrifugal force of the turn throwing the weight on to the outside wheels, and the rapid stopping throwing the weight forward. This means that the outside forward wheel sustains most of the car weight and holds the road, consequently there is little danger of the car sliding. If the front wheel rolls there will be no loss in steerage way but the front axle must be strong enough to stand the torque of the brake without twisting, and the front wheels must be sturdy enough to withstand the terrific side thrust on the outside wheel in the turn which is greater than any strain rear wheels have to withstand due to the car weight being thrown outward and forward.

I believe that a car with any arrangement to lessen the efficiency of the front wheel brakes, or to lessen their application on a turn, cannot be depended upon to brake as well as an arrangement whereby equal braking to all wheels under all conditions is given. Such a system when used with a little judgment will stop the car quicker, better and safer than rear brakes with considerable judgment in their application.

A factor to be considered is that with a low, heavy car with four-wheel brakes you can throw into a slippery turn at high speed and stop where you are without any danger.

*Superintendent and mechanical engineer of the Readio Company, Springfield, Mass. Has made a number of tests of the four-wheel brake system and services such a system for a well known make of car.



Views of the External Hydraulic Type Four-Wheel Brakes With Which the Author Has Had Considerable Experience

This is not true, however, with a closed car with a high center of gravity for an attempt to stop quickly will tend to turn the car over. But the driver must use some judgement. A car can be turned over on a curve without an application of any brake. It should be considered that even with the four-wheel brakes and on a slippery pavement that the driver, suddenly seeing a turn he knows he cannot negotiate at the speed he is going, can easily slow down before he makes the turn, even if the car be slipping If the car is slipping, and going at a rate of 40 m. p. h., he could not use rear wheel brakes without disaster, while with four-wheel brakes he can come to a full stop in 35 ft. If a driver be so careless as to not realize there was a turn ahead of him he couldn't make at 40 m. p. h. when within 35 ft. of it, nothing will prevent an accident.

Less Skidding Danger

Any arrangement of leverage to decrease the efficiency of the front wheel brakes below that of the rears only decreases the efficiency of the entire system for with four-wheel brakes stopping is so rapid if applied hard, the weight is so shifted forward, it does not take much to slide the rear wheels anyway. But the redeeming feature is that although both rear wheels slide they follow the fronts and do not skid. And if on a turn only the inside one can be made to slide.

There are internal and external brakes, mechanical and hydraulic methods of application. The internal make the neater appearance but the external is more efficient in that it holds better for a certain pressure. With either type the shoes should be of the heavy hinged type because with the four halves the brake shoe clearance must be small or the leverage to apply will be so long as not to give sufficient pressure. The hinged type can be adjusted very much closer without dragging than the band type. With only two wheel brakes a slight drag is not noticeable but with four wheels quite a loss of power follows with a slight dragging.

The mechanical brakes have a somewhat better action than the hydraulic in that the pedal moves faster and you can feel the pressure on the brakes whereas with the hydraulic the pedal action is somewhat slower and you have to judge how much pressure is required by the feel of the car. There are advantages, however, with the hydraulic. There is nothing to rattle. In released position the entire brake action is under tension from the release springs against the piston in the cylinder. The hydraulic is automatic in its adjustment for when the brake wears down the auxiliary pump puts more liquid in the cylinder compensating for play, this being accomplished by the auxiliary cylinder coming into action when the pedal is way down, and every time the maximum movement is made a little more liquid is added so that it automatically takes up the brakes. With this system the pressure is equal on all brakes or the proportion is the same between front and rear if the front cylinders are smaller, regardless of the position of the car or the load, which is not absolutely true of the mechanically operated brakes, and the equalization is nearly perfect.

However, I do not feel if the front axle is properly designed for front wheel brakes, that is, if the king pin is inclined so that if extended it would touch the ground in line with the center of the tire, which is equivalent to the king pin being in the center of the wheel as far as drawback is concerned, that equalization is nearly as necessary as with rear wheel brakes only. I have driven considerably with one front wheel brake and did not experience any feeling of draw or tendency to skid as one does when rear wheels only are not braking evenly. With the rear wheel brakes they have to be equal to help overcome the skid but with the four-wheel type the only trouble experienced from the brakes not being equal is that you cannot stop quite as quickly.

The inclined king pin is very essential to good front wheel brake operation for with the vertical king pin the center of the tire contact is some 2 or 3 in. outside of the king pin center, and if the brakes engage evenly there is a considerable strain on the tie-rod which makes steering with the brakes on, difficult. If the brakes are not exactly equal the draw on the steering gear is annoying although if the gear be irreversible it will merely be unpleasant holding it against the draw. With the inclined king pin, however, there should be no difference with the steering whether the brakes were on or not, equal or not. Vertical king pins without a good irreversible gear would be dangerous because sudden brake application might pull the wheels around if one wheel be on a slippery spot or if they were not equal. The steering gear, however, is not so important with the hydraulic system because of the brake equality.

In summing up, the front axle must be stronger with the four-wheel system to stand the torque; the king pin should be inclined, the steering gear irreversible, otherwise there is nothing more to four-wheel brakes than two-wheel except better operation and safer stops. If of poor mechanical construction, there will be more rattles.

The four-wheel system illustrated was designed by the writer. It is a hydraulic type. Inside of the main frame is a cylinder from which a copper tube leads to each brake cylinder, this main cylinder being connected to the pedal by a short connecting rod. When the pedal is depressed it pushes in the piston on the main cylinder forcing the liquid out and into the brake cylinders, pushing out the pistons and thereby applying the brakes.

All wheels have the same size cylinders and equal pressure. The maximum operating pressure is 65 lb. with 200 lb. pedal pressure which is about double that required to stop the car is 35 ft. at 40 m. p. h. The car brakes equally well in a turn and steering is not affected with the brakes on. An auxiliary cylinder is used so that whenever the pedal reaches the floor, or nearly so, this cylinder is brought into operation forcing a small amount of more liquid into the system. The liquid used is glycerine cut with alcohol. Too much glycerine results in sluggish action. Too much alcohol impairs lubrication and invites packing leakage but these will not result with correct proportions.

New Cars and Models

Olds Enters New Price Field With a Six

THE Olds Motor Works of Lansing, Mich., has just announced a brand-new Six in six models mounted on a 110-in. wheelbase chassis. The power plant is a highly efficient six-cylinder engine embodying modern engineering principles. The engine is L-head type with 169.3 cu. in. piston displacement. The cylinder head is removable and accessibility is a feature. Prices range from $750 to $1100.

The six models include a 5-passenger touring, 2-passenger roadster, 5-passenger sedan, 4-passenger coupe (all illustrated), and a 2-passenger cab and a sport touring car. The tires are 31 x 4-in. cords and the chassis is lubricated by the Alemite system. The bodies are stream-line, and the upholstery is duPont Fabricoid with the closed models trimmed in velour. The windshield is a two piece plate glass. The fenders are crown type and bodies are finished in black and the closed bodies are Orriford Lake below the belt line and black above. Lamps are drum type.

Accessibility a Feature

The touring model weighs 2150 lb. The bore of the engine is 2¾-in. and the stroke 4¼-in., giving it a rating of 18.15 hp. The cylinders are cast in block, and the crankcase extends to a point below the center of the crankshaft. This permits the webs which separate the crankshaft bearings to be so shaped that the maximum strength is attained. Nearly every cap screw, nut or bolt of the engine can be removed with a speed wrench and the spark plugs slightly inclined so that the radiator tie-rod will not interfere with the use of a speed wrench. The engine has three point suspension. The cylinder head has more than the usual amount of space for water. A dome-type of combustion chamber is used so formed that there is a high degree of turbulance. The crankcase is inclined with the cylinder block providing extreme rigidity. The crankshaft is rugged and it and the bearings are unusually large and strong. There are three main bearings employed.

The crankshaft main bearings are Chadwick type. They are bronze, lined with a special white bearing metal. The cam shaft is drop-forged, heat-treated and mounted upon three pressure-lubricated bearings. Cams are forged integral The camshaft is gear driven.

Connecting rods are I-beam type, drop-forged and heat-treated. They are 8⅛-in. long. The piston pin is hollow, hardened and ground, and of the full floating type. The piston is light weight and of cast iron. The valves have a diameter of 1½-in.; ¼ in. lift.

Lubrication is by the force feed system, oil being forced to the main, connecting rod and camshaft bearings. A gear type oil pump is built in the timing gear cover where it can be easily removed for inspection. It is driven from the front of the camshaft. A separate oil line leads to the timing gear and the oiling system has a pressure gage on the instrument board.

The water of the cooling system is circulated by a centrifugal pump at the front of the cylinder block. On the front end of the pump shaft is the fan, this shaft being driven off the crankshaft by a rubber cord belt. The electrical system is the Delco, two-unit, starting, lighting and ignition.

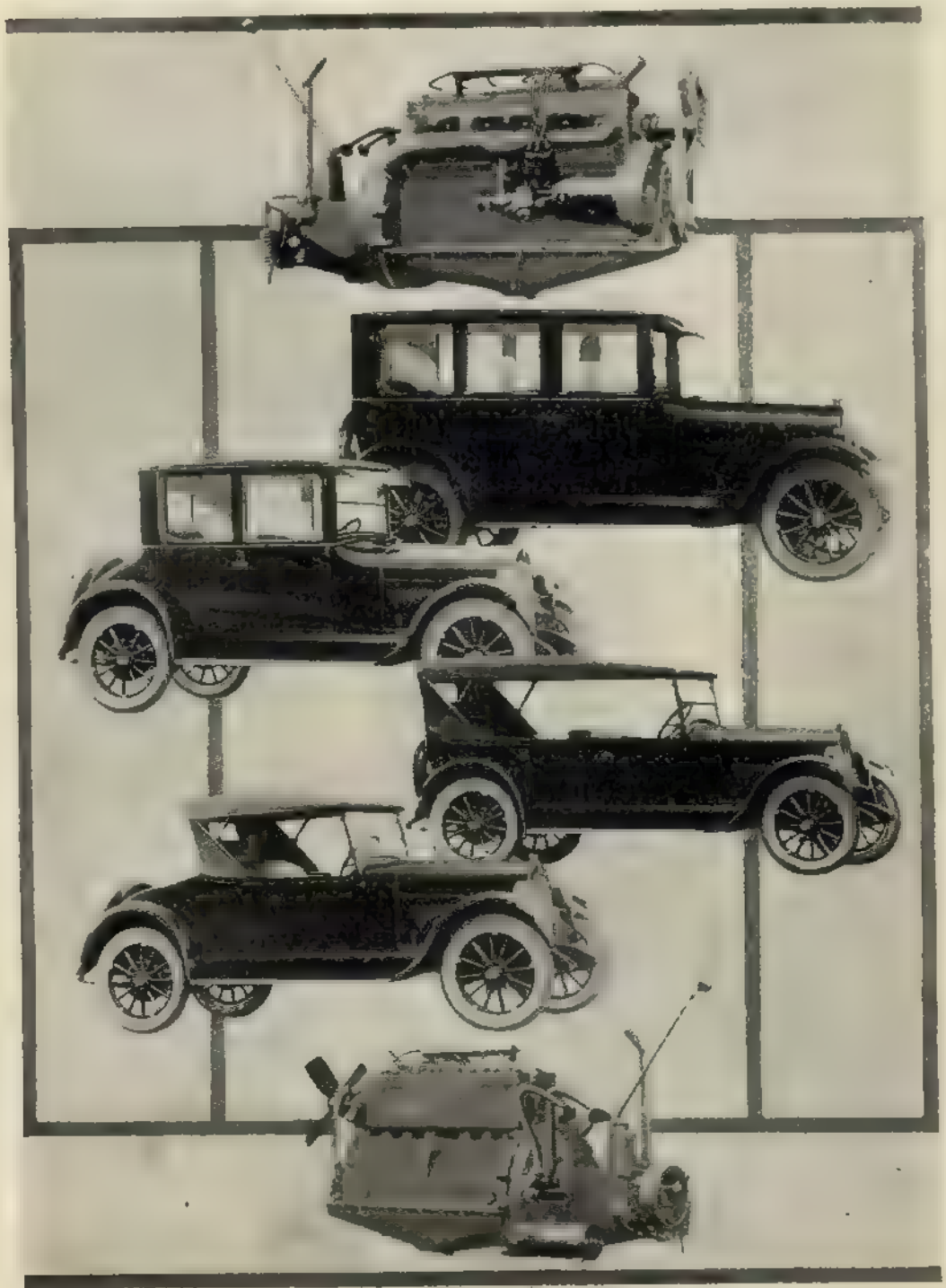
The fuel system comprises a 12½-gal. tank mounted at the rear on the chassis with vacuum feed to the carburetor which is mounted on the right side of the engine.

Power Transmitting Units

The clutch used in the new Olds Six has one driven member, a steel plate, with a woven facing of treated asbestos. The clutch is easily adjusted through the inspection window at the top of the fly wheel housing. The gearset is conventional, selective, sliding-gear type with standard control. The universal joints are Thermoid-Hardy flexible fabric universals. The propeller shaft is tubular and has a universal joint at each end.

The rear axle is semi-floating. The driving pinion and the ring gear are spiral bevel type The front axle is I-beam type with many of the parts drop-forged. The steering knuckle and spindles are of the reverse Elliott type. The steering gear is semi-irreversible, of the worm and gear type. Above and below the worm gear are ball thrust bearings with adjustable collar where gear teeth wear can also be compensated. The parts are lubricated by the Alemite system.

NEW CARS AND MODELS



Some of the New Six-Cylinder Olds Models, the Sedan and Coupe, Touring and Roadster, and Views of the Power Plant

The frame is of channel steel, is 42-in. wide at the rear doors and 28-in. at the front. The frame has a 5½-in. depth and is 1¾-in. channel and made of ⅛ in. stock. It has four cross members. The radiator is mounted on separate brackets.

The springs are semi-elliptic, underslung, the rears being 50-in long and the front 36-in. The foot or service brakes are external contracting on rear wheel drums, the latter being 12⅜-in. in diameter and 1½-in. wide. The brake mechanism includes an equalizer. The emergency brake is at the rear of the power plant, the drum is 6¼-in. diameter and 2⅛-in. wide. The prices announced are lower than former Olds models.

Reo Announces a New Line

A NEW line of Reo cars has been announced by the Reo Motor Car Co., the first one to be announced being the new high-power 5-passenger touring car. The first thing that attracts the eye is the lowered chassis. Further investigation, however, reveals changes of a mechanical nature in various parts. This new body is mounted on the standard T-6 chassis used for all Reo passenger cars, therefore this lowering of the chassis and the new rear axle which are features of the mechanical changes, are shared with all other Reo models as they are announced in the near future.

The lowered chassis has been obtained through the increased offset in the frame. Approximately 2 in. has been taken from the height of the car, greatly improving the appearance. The new rear axle is of the semi-floating type and combines the advantages of the full floating and the old style semi-floating types and also gives greatly increased braking surface. The brakes are 15 x 2½-in., the service brake operating from the clutch pedal being the external one, and the emergency operating from the second pedal being of the internal expanding type.

A feature included in all Reo models is the transmission lock approved by the Underwriters Laboratories and given a class A rating for protection against theft.

The Reo lock requires no key to lock the car, merely swinging a disk one fourth of a turn around the starter plunger, then depressing the plunger, locks the transmission. This causes a hardened steel pawl to lock both the disk and the starter plunger so they cannot be released until the proper key is inserted in the Yale lock. Since a key is necessary only for unlocking, the operator can carry his key on a ring.

Still another feature is the tool compartment under the front seat, from which tools can be taken without disturbing the passenger in the seat. Panel doors at each side give entrance to the compartment, the doors being fitted with locks which make the compartment an ideal storing space for small packages when the car is parked.

Extra seats giving the car seven-passenger capacity may be secured at a slight additional cost. The tonneau of the new Reo five passenger touring car is exceptionally roomy and the auxiliary seats can be used without discomfort to the passengers in the rear seat.

In general body style, the new model resembles the phaeton Reo with its cowl ventilator and other distinguishing features. The side wing windshield and nickel aluminum trim throughout are used, and two standard finishes for the car are provided, one being of Reo blue with white pencil striping running parallel with the trim rail, the other of Crane Simplex gray with the same striping.

The New "High-Powered" Reo Phaeton

This is the phaeton model which accommodates five and replaces the seven-seater in the old line. All the new Reo models are lower and improved in appearance.

NEW CARS AND MODELS

New Engine and Four-Wheel Brakes Feature Cadillac V-63

SEVERAL engineering refinements of marked importance are to be found in the new Cadillac, known as the Type V-63, which has just been announced. While the engine is entirely new it is still of the 90-degree V-type which has been used by the Cadillac Motor Car Company for the past nine years, and it retains the same outward appearance and the same bore and stroke as its predecessor. The refinements result in some increase in power and an entire elimination of vibration at all operating speeds.

Another epochal improvement in the Type V-63 is a carefully worked out four-wheel brake system which gives an increased margin of safety, extreme ease of operation and which requires minimum service attention.

The new Cadillac is built in 132-in. wheelbase only and is fitted with a new line of bodies including eleven different styles. The new bodies are even roomier than previous types, while appearing lower and more graceful. Included in the new body types are 4 and 7-passenger phaetons and a 2-passenger roadsters in the open models, and 5 and 7-passenger sedans, 5 and 7-passenger suburbans, 2 and 5-passenger coupes, limousines, and town broughams.

Engine

More perfect balance than attained in any previous type of engine, either V or vertical, is claimed for the new Type V-63 Cadillac engine. The secret of this balance lies largely in the crankshaft arrangement, which is entirely new. The crankshaft is still of the four-throw type, with two connecting rods from opposite cylinders attached to each throw or crank pin, but the four throws are now arranged in two planes at right angles to each other, as shown in the illustration. In addition the crankshaft is fully counterbalanced by means of compensating weights which "cancel out" all unbalanced forces, including the weight of the lower halves of the connecting rods. The result is that the entire revolving mass operates with the smoothness of a balanced flywheel.

This design, of course, gives an entirely new firing order, and in consequence the camshaft has been re-designed to provide a separate cam for each valve.

Full force feed lubrication, thermostatically controlled carburetor, double pump water circulation with thermostats and condenser device, and Delco starting, lighting and ignition are continued with but few changes to adapt these features to the Type V-63 engine. Front end drive chains are ¼-in. wider than heretofore, and this, together with the increased smoothness of operation of the engine, has made it possible to eliminate the chain adjustment, thus doing away with several parts subject to considerable wear. With the new design it is considered that chain replacement should only be necessary when a general overhaul is required.

Clutch, transmission, drive members, rear axle, spring suspension and steering gear also show but few changes, and these mostly of a minor nature. One noteworthy improvement, however, is that all transmission gears are now finish-generated by grinding, which results in quieter operation and longer life. The frame has two additional cross members, so that it is reinforced at every possible point of strain.

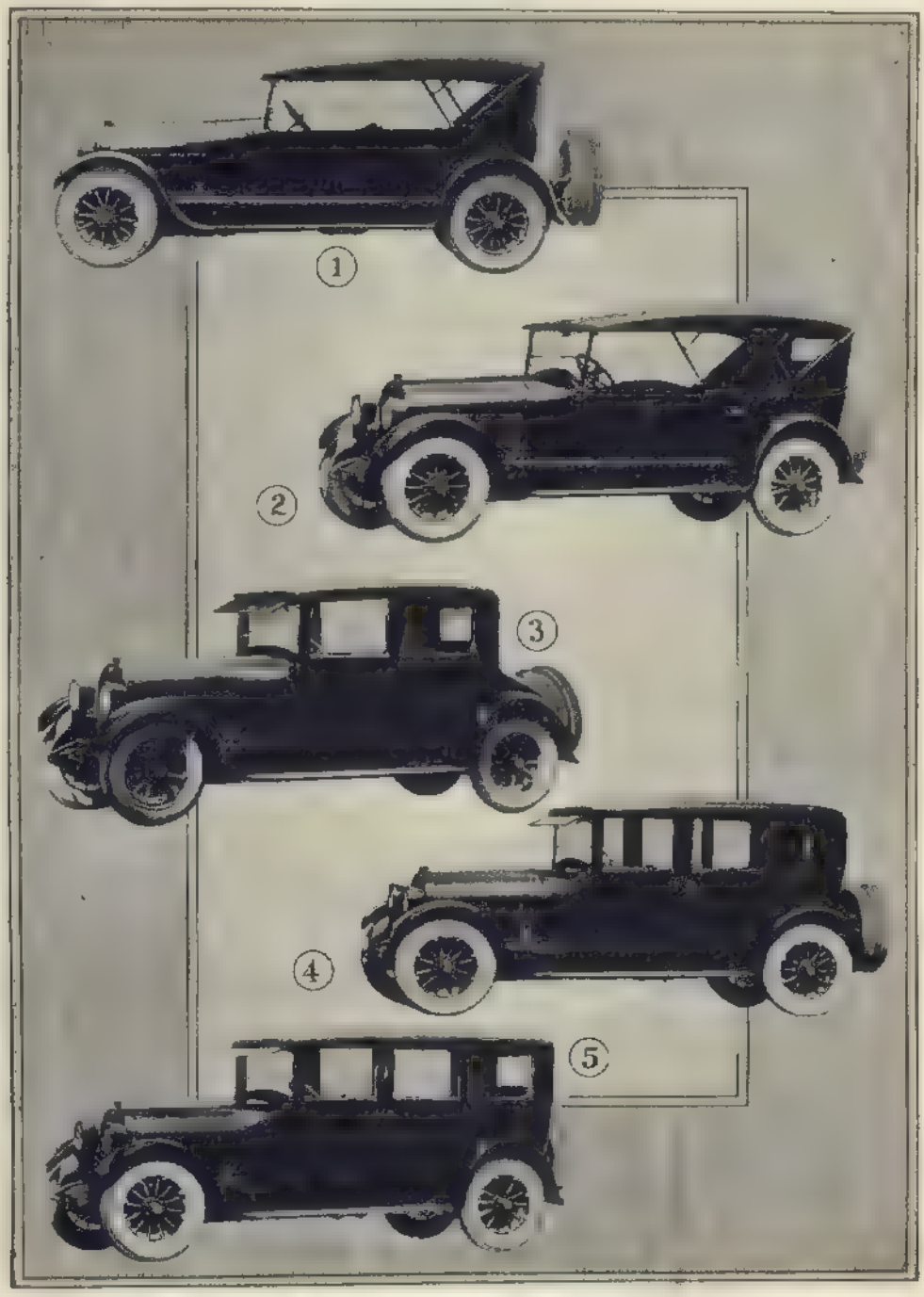
Brakes

In the design of the new four-wheel brake system three major considerations were kept in mind—first, absolute safety; second, ease of operation; and third, minimum service requirements. The new Cadillac layout differs from all others now in use in that it features internal expansion brakes on the front wheels and external contracting brakes at the rear, all operated by the foot pedal. This design is claimed to result in automatic or rather thermostatic compensation between front and rear sets. Under the most severe service that brake drums will expand somewhat, and in the Cadillac design this expansion of the rear drums forces the contracting brake bands out slightly, this motion being transferred through the linkage to the front brakes and expanding the internal brake shoes there to compensate for the expansion of the front drums.

Front wheel brakes are operated by pull rods and cross shafts with universal joints at their outer ends. The steering knuckle king bolts and the brake shaft universals are mounted at slightly different angles, so that the outside front wheel brake will always be progressively released when turning.

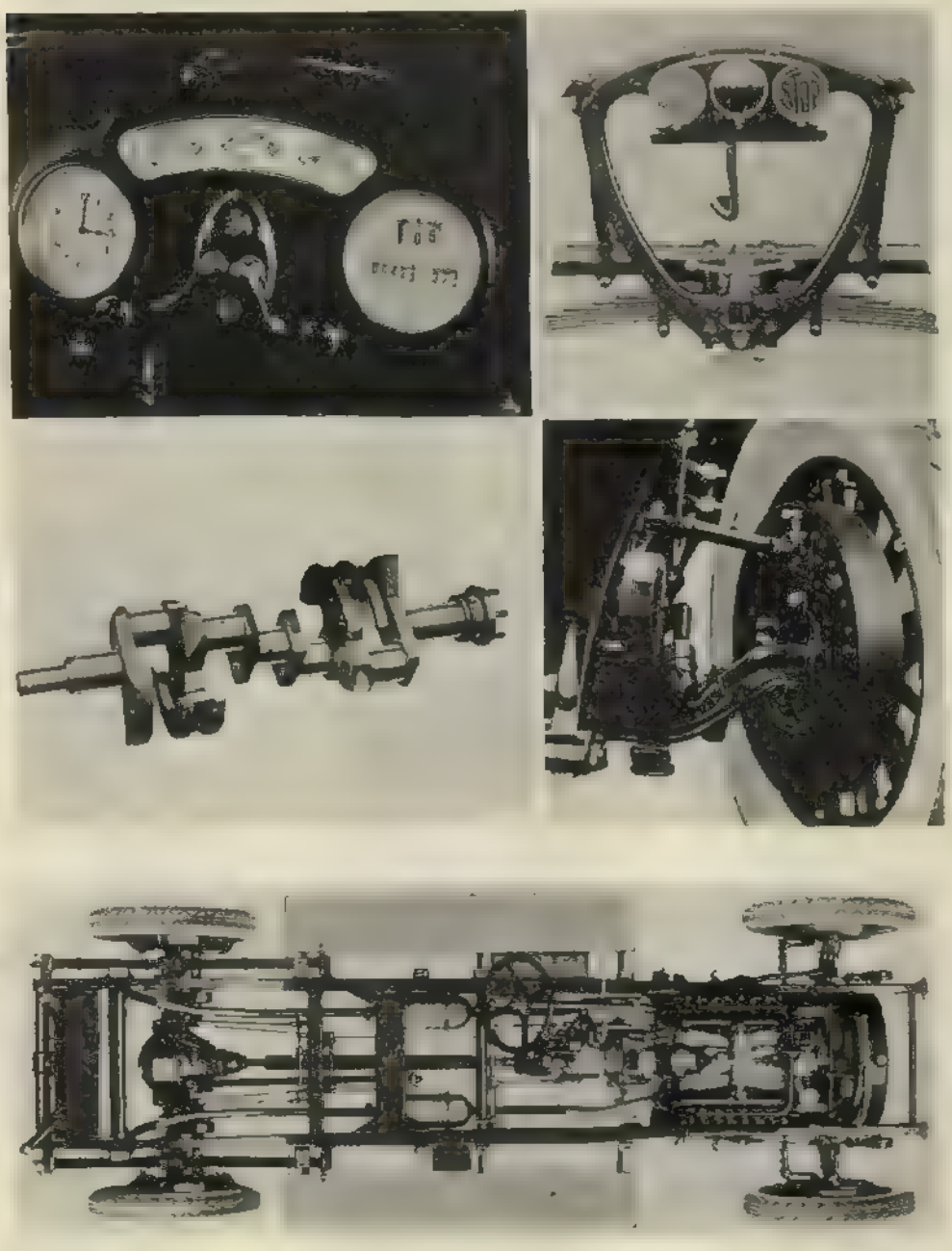
A double leverage link at the brake pedal provides quick take-up during the first part of the pedal travel and slower application at greater pressure, due to the greater leverage, during the latter part of the travel.

NEW CARS AND MODELS



Typical Body Types on the Type V-63 Cadillac

1. The four-passenger Phaeton. 2. The touring car, of seven-passenger capacity. 3. A comfortable five-passenger, two-door coupe. 4. The five-passenger sedan. 5. Seven passengers are carried comfortably in this suburban model.



Interesting Features of the New Type V-63 Cadillac

Upper Left—Refined instrument board with symmetrical grouping of gages, switch, carburetor and headlight controls etc. Upper Right—Spare tire carrier with combined tail lamp and "stop" and "back-up" lights. Left Center—The 4-throw, 90 degree, fully balanced or compensated crankshaft. Right Center—One of the front wheel brakes and details of the new front axle construction. Lower—The Type V 63 Chassis, showing the heavily braced frame and the four-wheel brake layout.

NEW CARS AND MODELS

Pressure is automatically distributed between front and rear brakes in proper proportion through an adjustable compensating bar. This is set at the factory to give the proper leverage according to body type and weight distribution between front and rear wheels. Approximately 35 per cent of the brake pedal pressure is utilized at the front brakes and 65 per cent at the rears. The compensating adjustment is located under the front floor boards and can easily be changed in case of necessity.

An entirely separate emergency brake system is provided, consisting of internal brakes on the rear wheels only and operated by the hand lever.

Several changes have been made in the front axle to provide for all additional strains imposed by the front brakes. In addition the steering knuckle cross tie rod is now located back of the axle.

Bodies

While all the Type V-63 body styles are new throughout, they retain the characteristic Cadillac lines. Rounded roof lines at the rear feature the closed bodies, and a recessed belt around the inside edges of window frames, painted to match the lower body panels, relieves the top-heavy appearance of solid black above the belt line. The closed models, though built by production methods, embody materials and workmanship of a quality usually associated only with the custom-built bodies.

Instruments are grouped more effectively and quick acting flush type cowl ventilators are used on all body types. Matched walnut mouldings set off the interior window frames in the closed models. The glass partitions between front and rear seats in the imperial sedan, limousine and similar models can be lowered completely out of sight.

Mounted on an improved type spare tire carrier at the rear is a combination light which includes besides the tail lamp a white "back-up" light and a "stop" or warning signal, both operated automatically.

Altogether the new Type V-63 Cadillac represents a distinct advance in American motor car engineering and manufacture.

New Paige Sedan Accommodates Seven

A new closed model on the 6-70 chassis has been introduced by the Paige-Detroit Motor Car Co., of Detroit. It is the 7-passenger sedan, resembling the 5-passenger sedan in many respects, but having a striking difference in the bead line immediately below the windows. This has been replaced in the new model with a double bead, forming a belt rail all the way around the body from the cowl. The streamline effect of this Paige model is further enhanced by this bead which also reinforces the body. Between the beads of the belt rail are gold stripes which form a pleasing combination with the coach blue of the body. The interior is finished in the usual complete manner of the Paige cars. The list price f. o. b. the factory is $3235

Balloon Tires Optional on Cole Cars

Word has been received from the Cole Motor Car Company of Indianapolis to the effect that Balloon tires with all the necessary wheel equipment are now obtainable on all current Cole Master models. The tires used are those produced by the Firestone Tire & Rubber Co. These tires are standard equipment on the new Cole Aero-Volante model.

The adoption of the Balloon Tires has only come about after a thorough investigation and test, according to the president of the company, J. J. Cole. Tires used are 7½-in. and only 25 lb. air pressure is carried. The riding is greatly improved and the braking efficiency is increased. The low air pressure greatly reduces danger of air leaks and blow-outs.

This is the Paige 6-70 Seven-Passenger Sedan, Which has a Double Bead, Forming a Belt, as the Most Striking Change in the Body.

—"AND HERE'S A 10 GALLON AMERICAN VISIBLE"—

More than ever before, the motorist buys his gasoline in ten gallon quantities. And it's MIGHTY EASY to SELL him TEN gallons when he asks for five.

This American Visible Pump makes both the sale and the serving of ten gallons a WHOLE LOT EASIER AND QUICKER.

American Visible Curb Pump

The 10 gallon pump has all of those desirable features and superior qualities that have made the American Visible the leader among visible pumps. Its action is positive and quick—it is hand operated, absolutely safe—no danger from breakage, fire or explosion. All the gasoline is filtered, and an accurate meter, furnished without extra charge, registers all gasoline pumped into container.

Write us for full information and our VERY REASONABLE prices.

PUMP No. 404-V

CONTAINERS

Either five or ten gallon visible containers for other makes of pumps furnished complete with full instructions for attaching.

The American Oil Pump and Tank Company

1137 Findlay Street **Cincinnati, Ohio**

THIS SYMBOL IN ANY ADVERTISEMENT MEANS: SEE "CHILTON AUTOMOBILE DIRECTORY" FOR COMPLETE BUYING INFORMATION

Charge for Service!

Compare the Universal Profit Program with others!
Charge for Service that is gladly paid for!

"Recharge" Your Sales With Universal Batteries!

We mean just that. Compare the standard battery policy of "free service" with the UNIVERSAL, where you honestly charge for service that owners are eager to pay for.

We build complete, tested, dependable batteries for every kind of use—Automobiles, Electric Vehicles, Farm Lighting, Radio. *Ask for separate catalogues covering each type.*

We also supply parts for *any* make of battery. You should have our newly-printed Parts Bulletin *now* for quick reference. A postcard brings it.

We back Universal dealers to the limit. Ask us how we can (and will) back *you,* and help "recharge" *your* sales. Full details and information as soon as requested.

UNIVERSAL BATTERY CO.
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BATTERIES FOR
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FARM LIGHT
ELECTRIC VEHICLE
RADIO

(264)

UNIVERSAL BATTERIES

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THE FORD SECTION

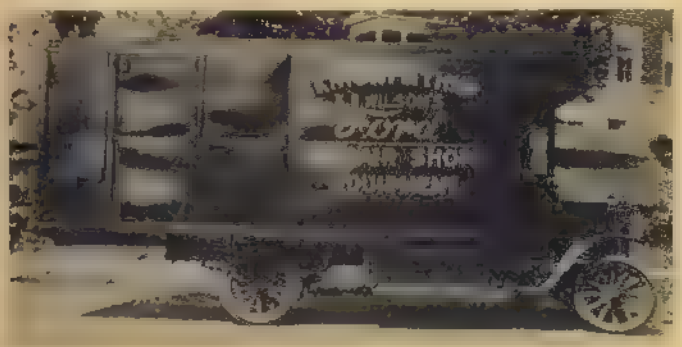
Traveling Demonstrator Sells Service Equipment

Knight & Thim, New Haven, Conn., Send Truck to Call on Small Service Stations and Show Equipment in Use

Have Sold Over 90 Per Cent of Prospects by This Method

Salesman Can't Carry Heavy Machine and Prospect Can't Always be Induced to Visit Show-Room, so Traveling Demonstrator "Takes Mohammed to the Mountain"

ONE of the sales problems of the manufacturer of heavy service station equipment is reaching the small shop and garage located away from the main traveled lines and not easily accessible by the common carriers. The salesman, be



This Concern Employs a Truck to Demonstrate Ford Service Equipment and Makes a Specialty of Calling at Small Places.

he manufacturer's or jobber's representative, cannot carry the sample machine. If the equipment is what the small shop deems a large investment it is difficult to interest the prospect with printed matter and illustrations. The most successful sales method is to show the machine and demonstrate its operation and its profit and time-saving features.

These facts have been well established by Knight & Thim, New Haven, Conn., which concern is merchandising the K. R. Wilson Ford repair shop equipment, particularly the engine rebuilding machine. To overcome sales resistance, and to exploit the product in the small places above referred to, this

concern hit upon the idea of employing a truck with gas engine power to drive the machine, and to visit the small places to demonstrate the service and profit features.

Accordingly, a 2-ton Nash chassis was purchased and a special body constructed. The body has large side doors on the right side, also doors at the rear so that the truck can be driven up to the curb or shop and plenty of light be obtained. The method of merchandising is as follows: The truck is driven to the Ford garage or shop, and the owner invited to come out and look at the outfit. Its novelty, of course, appeals to him.

Then an offer is made to the prospect to rebuild a Ford engine completely for the small sum of $10. This includes rebabbitting, reboring, fitting new pistons and rings, etc. The work is done by Knight & Thim, who use, of course, all the special speed tools and equipment. Having the operations down pat, plus the right equipment, the work is turned out so fast that it opens the eyes of the prospect and his mechanics. It is claimed that the rebuilding has been done in as little as three hours.

Reaches Small Town Service Stations

Having shown what the machine can do the sales angle is injected. If an order is given for the machine the $10 is credited. Now as to results. The writer met the truck at a Ford shop in a very small town where the owner of the Ford shop gave an order. The writer was informed by one of the firm of Knight & Thim that the truck had been on the road ten months and that 176 engines had been rebuilt in demonstration. Over 90 per cent of the prospects had been sold. Some of these were ordered later after the demonstration. The truck averages three calls a day.

Showing Equipment From Rear and the Gas Engine Supplying Power to Operate the Repair Machine

An interesting story is told of a visit to a small place in the woods, where it looked as if the call was waste time. But the one-man shop owner had an engine and after it was rebuilt he placed an order with the remark he guessed he could find plenty of work for the machine.

In discussing the cost of the demonstrations one of the firm stated that it was less than the conventional sales methods and the volume of sales was greater. After visiting all small places in Connecticut, it is planned to tour South this winter. In addition to the K. R. Wilson machine other Ford service station equipment is carried. Provision is made for sleeping and living in the truck.

The carrying of the goods to the prospect, as is done by this concern, opens a big field of possibilities in sales of heavy service equipment.

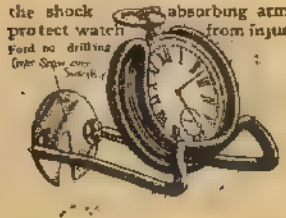
Large Side Doors Are Thrown Open to Admit Light and Permit View of the Operation of the Service Machine. Ford Engines Are Entirely Rebuilt.

FORD SECTION

Resilient Rubber Finger Grips

F. D. Farr Co., Perry, N. Y.

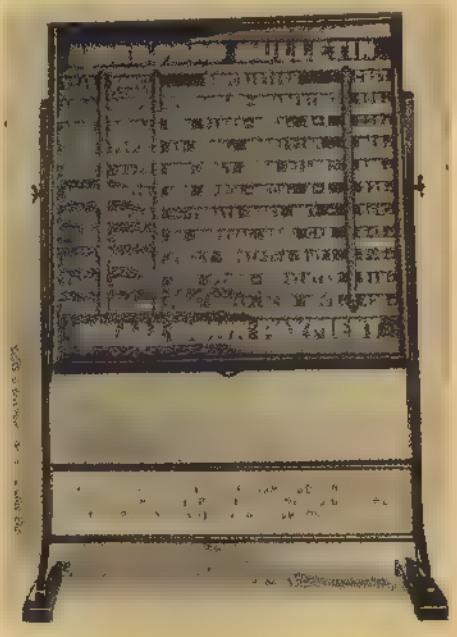
Resilient Rubber Finger Grips are made from a high-grade rubber, black in color to match the standard Ford wheel and fittings. In the outer ends of the Grips there are two cavities, diagonally placed slightly below center so that the tips of the fingers rest naturally in them when the hand is on the wheel in driving position. With the aid of these cavities, it is possible to move the throttle lever several notches either way, merely by bending the fingers and without sliding the hand along the wheel rim. The rubber also serves to insulate the fingers from the cold levers during the winter months. Retail price, 25c per pair. Mounted 12 pairs to the display card.



Burleigh's Patent Watch Carrier

George K. Burleigh
Penacook, N. H.

This watch carrier is made of steel wire, covered with woven linen thread. It holds a 16 or 18 size watch firmly, and shock absorbing arms protect the most delicate watch from injury. It is easily attached with one screw above the switch key. Price $1.



"Fordex Illuminated Used Car Bulletin"

Sales Equipment Co.
5981 Woodward Ave., Detroit, Mich.

The "Fordex Illuminated Used Car Bulletin" stands 49 in. high, in its most frequently used position, has a depth of four in., and weighs complete, only 25 lb. It is easily and quickly adjusted to any position in the salesroom. The frame into which is fitted the cabinet body of the sign itself, rests on two ornamental leg bases, and both sides are notched in three places, for adjusting the sign to the desired height. Across the front of the cabinet are slats set 1 in. apart, which are grooved to accommodate slides. The edges of the slats are beveled, and it is a matter of seconds to insert slides. The back of the cabinet opens, dropping to a horizontal position, where it is held by chains, concealed when closed, providing easy access to slide compartments, lights, etc., and providing for the insertion of slides into the grooved slots. With every "Fordex Illuminated Used Car Bulletin" there is provided an assortment of more than 145 slides, properly classified under headings, "Year," "Model," "Description" and "Cost." The slides are contained in metal compartments inside the cabinet and a printed list showing every Unit Slide furnished is also provided so that you can instantly select the ones wanted. Twenty-five slides for the years from 1914 to 1923 are provided and 15 for Ford models. Twenty-five descriptive unit slides are also supplied, reading as follows "Run only 4,000 miles," "Overhauled-Guaranteed," "Mechanically A-1," "Special Used Car Guarantee," "New Tires—Repainted," "Fully Equipped A Buy," "Today's Best Buy" and many others, offering descriptive material to adequately describe any used Ford in stock. Unit slides for prices are provided, starting with $50 and running in $5, $10 and $15 steps, up to $595. The slides are durably constructed. They can be renewed at any time, or additional ones can be secured, at the nominal price of 5c each for the small ones, limited to 5 letters, and 10c each for the large ones, limited to 21 letters.

FORD SECTION

Multi-Power

Multi-Power Steering Method, Inc
1721 Prairie Ave., Chicago, Ill.

Multi-power replaces the single Ford steering lever without the necessity of machine work or making changes in the car. The steering lever comes off the bottom of the steering post and is replaced by compound lever "A." Steering arm "B" is moved by compound lever "A." The ball and socket "C" is the fulcrum for "B." There are no gears used and turning around, backing up and turning corners sharply can be done with entire confidence as a positive stop prevents front wheels locking under the car. Can be installed with a monkey wrench in a few moments.

Ruxton Oil Gauge

Ruxton Engineering Co., Ruxton, Md.

The illustration shows the Ruxton Oil Gauge as it looks when mounted on the dash of a Ford. The gage itself consists of a small glass cylinder containing a plunger. From the bottom of the cylinder a copper tube leads back under the dash and through the space between the floor boards and the dash, and is connected to the upper petcock, which opens into the crank case. The principle of the Ruxton Oil Gauge is in reality a miniature pump which brings up oil from the crank case with one motion of the plunger. The Ruxton Oil Gauge is neat and attractive in appearance. Made of highly-polished aluminum, it is practically wear-proof and weather-resistant. When the plunger is pulled upwards to its full extent, a partial vacuum is created in the cylinder. If the oil level in the crank case is at the proper height, oil will immediately flow into the cylinder until it is one half or two-thirds full. If the oil level is below the top petcock none will rise into the gage. Additional oil should be added until it appears in the gage. As the oil is plainly visible, its condition may be readily determined. Price, $3 50.

Angelus Ford Rain Aprons

Parker & Waterman Mfg Co.
1203 West Washington St.
Los Angeles, Cal.

The Angelus Rain Cover protects the coils and ignition parts from rain. A unique feature is the two piece idea. One-piece clamps under the windshield and the other snaps onto it with glove fasteners. In dry weather the cover can be readily removed and rolled up, and put under the seat. The windshield strip is left permanently in place. Price each, $1.75.

"Pal" Packing

Libby Mfg. Co.
111 Watchung Ave., Plainfield, N. J.

"Pal" Packing for rear axles, keeps the oil from leaking out of the rear wheels on to the tires and brakes. It is put up in cylinders about 7 in. long. Price, per cylinder, 50 cents each. Comes packed 12 cylinders to display container. "Pal" tool (necessary for Ford cars only) made of cast steel, for installing, $2.

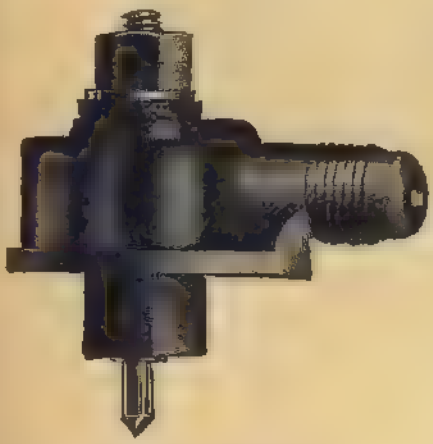
Introducing
The Improved RELIANCE Oiling System

FOR THE
FORD

An Advanced Device at No Advance in Price

The Faster the Engine Goes, the Faster the Oil Flows

Adequate oil on the timing mechanism, and to all other moving parts regardless of grade or speed. It is the best possible insurance against scored cylinders and burnt-out bearings.



Turned hexagon brass nuts.

Hard red fibre insulating washer.

Bronze casting, beautifully machined.

Outlet threaded to interchange with all previous oiling systems of this type. This assembled plug, only, may be bought. **Price, $1.50.**

Bakelite insulating bushing. Flattened to divert the oil thrown from the revolving flywheel. And it does.

Turned brass magneto contact point.

DEALERS:

Every Ford owner needs it, and will have it. A wonderful dealer opportunity. Write today for the liberal discounts.

FORD OWNERS:

This "SAFETY FIRST" Oiling System for the FORD, at $2.50 is protection at a low cost. If your dealer cannot supply you, send direct to us. Price includes parcel post.

RELIANCE AUTO DEVICES

Factory and General Sales Office
DANBURY, CONN.

SALES AGENCIES

In NEW YORK
S. S. McClelland Co.
1926 Broadway

In PHILADELPHIA
G. C. Snyman
1011 Chestnut St.

In CHICAGO
S. S. McClelland Co.
1118 S. Michigan Ave.

You can't feed too much gas!

$3.00 Buys it

The new Air Control feeds the gas just as fast as the engine can use it—but no faster. Your motor accelerates swiftly, smoothly—and without choking or bucking.

3 Min. Installs it

Nine times out of ten, engine choking is caused by too sudden acceleration.

The foot jams down the pedal. Through rigid metal connections, the carburetor is shocked open, and the engine is choked with gas before it has a chance to speed up.

With the M P C Pneumatic Accelerator, every touch on the foot bulb is cushioned before its effect is felt by the carburetor

Little jiggling taps are never felt by the carburetor at all. Quick, hammer-like blows are transformed into swift but steady pressure.

The result is steady, even carburetor control—and consequent steady, even acceleration. The engine speeds up as quickly as it can utilize the gas—with amazing smoothness

More than this—the M. P. C. Pneumatic Accelerator can instantly be placed anywhere on the floorboards. It is immediately adjustable to suit the driver. No extra footrest is required. Only three minutes are needed to install it, without the use of screws, or holes in the floorboards. It is simple in design, well made, and it is absolutely guaranteed by its makers, one of the most important part makers in the whole automotive industry.

Users of this new appliance are rapidly mounting into the thousands. Try to replace an M. P. C. Pneumatic with any other type of accelerator. Then you'll hear of its advantages from men who know

Their opinions will tell you, better than any advertising of ours, how important it is that you be in position to offer this increasingly popular device to your many customers who will buy an M. P. C. Pneumatic from some one soon. Write, today, for prices and discounts. Order a sample. You'll need it, and hundreds more!

(27)

Hit the ordinary accelerator! The rigid, metal connection to your carburetor will "shock" it open. Your engine will either race, or choke. That's what happens when bumps cause your foot to jolt the pedal.

Motor Products Corporation
11803 Mack Ave., Detroit, Michigan

M.P.C. Pneumatic ACCELERATOR

But strike the M P C Pneumatic both and the carburetor never knows it. The air cushion it responds instantly to pressure, but cushions shocks. Jolting can't cause uneven acceleration

THIS SYMBOL IN ANY ADVERTISEMENT MEANS: SEE "CHILTON AUTOMOBILE DIRECTORY" FOR COMPLETE BUYING INFORMATION

DEALERS AND REPAIRMEN!!

Write for Our Service Station Plan. It Will Help Build Up Your Repair and Accessory Business.

Many jobbers in the Snow Belt, thinking of the dull winter months, took on the HUDCO-FORD on account of snow banks and heavy roads—there is nothing harder on Ford Transmission Bands than snow and sandy or muddy roads. With the HUDCO-FORD, bands are changed on the road in a few minutes.

It is even harder to change bands on the new four-door Sedan than any other model. ANY OWNER WILL THANK YOU TO TELL HIM ABOUT THE HUDCO-FORD

These Jobbers and Agents Have HUDCO-FORDS in Stock

ARKANSAS
Ft. Smith Auto Supply Co
Crowe-Burk Hdwe. Co.

CALIFORNIA
Chanslor & Lyon Co.
Mercy Motor Supply Co.
Waterhouse & Lester
Bowers Auto Supply Co.
Brown-Lyon Co.
Motor Hdwe. & Equip. Co
Lipman, Corrigan & Hayden
Electric Appliance Co.
Wright & Nichols
Telfer Auto Supply Co.

COLORADO
The Foster Auto Sup. Co.
Motor Accessory & Tire Co.

CONNECTICUT
City Auto Co.*
Ford Auto Supply Co.
L. L. Ensworth & Son*
C. L. Merwick Co.
Horton-Gallup-Creamer Co.

DELAWARE
Automotive Equip. Co.

DISTRICT OF COLUMBIA
Chas. Hubel & Co.
R. Rose & Wash Co.

ILLINOIS
Chicago Automobile Supply House
P. & M. Accessories Co.
Northern E. & A. Sup. Co.*
Tank Hdwe. Co.
Central Auto Eq. Co.
Butler Bros.
Automobile Supply Co.

INDIANA
Ft. Wayne Iron Store Co.
Motor Car Supply Co.*
The Gibson Company
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Morsford Hdwe. Co.*
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Hippee-Peters Co.
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Fifield Bros. Co.
N. H. Bragg & Sons
The James Bailey Co.
Wescott Motors, Inc.

MARYLAND
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Piel Robertson Ramsey Co.
The United Accessories Co.*

MASSACHUSETTS
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Geo. C. Cass Co.
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Motor Sales Co.
S. Simon Hdwe. Co.
Service Auto Supply Co.*
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Bigelow & Dowse Co.*
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MICHIGAN
Automobile Eq. Co.
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Tisch Auto Supply Co.
Reliable Tire and Acc. Co.

MINNESOTA
Jarvis Sporting Goods Co.*
Minneapolis Auto Stores Co.*
Pratt Hardenbergh & Co.
C. J. Stolth Co.

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Eagle Company
Kansas City Auto Sup. Co.
Peerless Auto Supply Co.
Western Auto Supply Co.
Hermann Stanford Co.
West Side & Mfg. Co.
Campbell Iron Co.

MONTANA
Northwestern Auto Supply Co.
Helena Hdwe. Co.

NEBRASKA
Hebble & Lyon Hdwe. Co.
Easton Gunning Co.
Story Western Automobile Supply Co.

NEW JERSEY
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A. Stamler Co.
Elm Auto Supply Co.
Standard Auto Acc. Co.
Superior Lamp Mfg. Co.
E. Brass Auto Supply Co.
New Jersey Sales Co.*
United Tire Stores Co.

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Albany Hdwe. & Iron Co.
Alling Rubber Co.
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Farrell Auto Supply Co., Inc.
Buffalo
Barclays, Inc.
H. D. Taylor Co.
United Auto Corp.
Cortland
Cortland Auto Supply Co.*
Elmira
Barker, Esse & Clinton Co.
Middletown
M. E. Hunter, Inc.
B. D. Shorter
New York City
Auto Hdwe. & Supply Co.
Babcock & Butler Acc. Co., Inc.
Ritter Brothers
Superior Lamp Mfg. Co., Inc.
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Davis & Kiss Co., Inc.
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Rochester
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Thos. J. Northway Inc.
Schenectady
W. M. Goodsell*
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OKLAHOMA
Russell Hdwe. Co.
Sharp Auto Supply Co.
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OREGON
Ballou & Wright
Wright-Lee Co. Inc.
Chanslor & Lyon Co.

PENNSYLVANIA
Allentown
F. Hersh Hdwe. Co.
The Motor Accessories Co.
Allentown Auto Supply Co.
Geiringer, Hartlieber Co.
Altoona
Walter G. Thompson
Butler
W. E. Mechling & Son*
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Way Brothers
Erie
Penna. Rubber & Supply Co.
Strauss-Dilcher Auto Supply Co.*
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Jere Woodring & Co.
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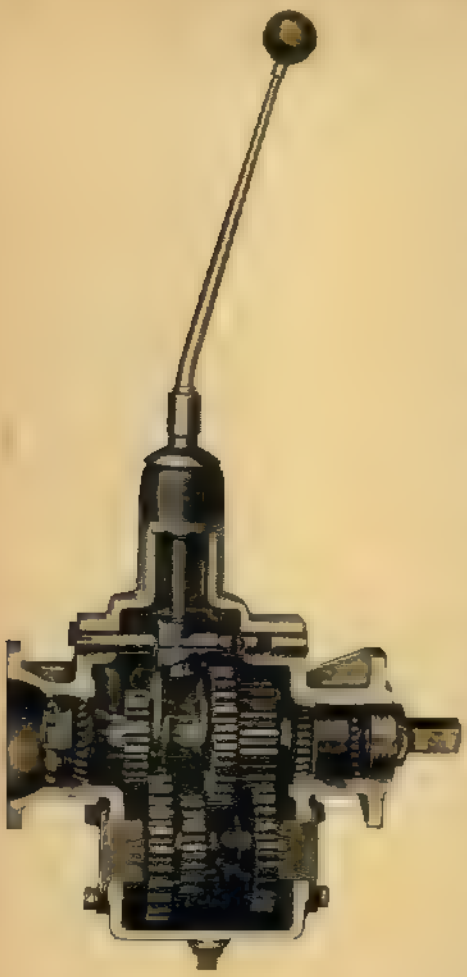
F. T. Hutchinson & Co.
Diamond-Hawkins Hdwe. Co.
Van Zandt-Leftwich Auto Supply Co.

WISCONSIN
Chanslor Auto Supply Co.
Fred Kramer Hdwe. Co.
Metzgen Co.
Richart Auto Supply Co.
Shattuck & Boyd Iron Co.
Trost Auto Supply Co.
Wright Motor Supply Co

HUDCO-FORD CO. OF AMERICA **PHILADELPHIA, PA.**



What it makes the Ford truck DO per DOLLAR sells the Warford. It puts 2-ton hauling costs on the lowest Ford basis. The six forward speeds of a Warford-Ford include an UNDERDRIVE to pull 2 tons through absolutely anything. And Warford OVERDRIVE frisks the 2-ton Ford at a speed wagon pace where the going is good or when empty. No truck has a better transmission than Warford. Add the 2-ton market to your possibilities. Write us.

The Warford Corporation
44 Whitehall Street, New York

Warford

AUXILIARY TRANSMISSION

AUBURN, N. Y.
Foster Warford Co

BALTIMORE Auto
Accessory Association
26 N. Greene St

CANTON Ohio
Dixie Dealers Company
400 Walnut Ave. S. E.

DALLAS
Headrick-Polk Co
2218 Commerce St

DAVENPORT Iowa
Sieg Company

DENVER, Motor
Specialties Company
17 W. 13th Avenue

MEMPHIS
Continental Body Co
476 Union Ave

MINNEAPOLIS
McGee White Corporation
13-1 Hennepin Ave

NEW YORK
Motive Parts Corporation
796 10th Ave.

SAN FRANCISCO
Warford Pacific Co
1111 Post Street

SIDNEY BRIDGE Mich
Transmission Sales Co

VANCOUVER, B. C.
E. W. Jay

WICHITA, Kans
Price Auto Service Co
301 S. Topeka Ave.

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ATWATER KENT

Makers of

THE WORLD'S HIGHEST GRADE IGNITION
STARTING AND LIGHTING

TYPE LA
FOR THE
FORD
Price
$10.80
Including Cables and Fittings

ATWATER KENT Ignition Type LA for Ford Motors, maintains the high quality of ATWATER KENT standards in design, construction and performance.

It offers to more than 5,000,000 Ford owners every ignition advantage enjoyed on the more expensive cars.

It offers to every dealer a rapidly selling product that carries a reasonable profit.

ATWATER KENT MANUFACTURING CO.
4951 STENTON AVENUE, PHILADELPHIA, PA.

Sells Fast at Only $2.00

And no wonder! Here's a high-grade heater for the Ford that enables your customers to motor in zero weather—in snug comfort.

No exhaust gases with the Manex Heater. No holes to cut in floor board or carpet. Quickly and easily installed.

Watch how eagerly Ford owners snap 'em up at the low $2.00 price.

Manex Heater for Dodge car retails at $3.00.

Stock up now—before your competitor does—and get the cream of the local heater business.

Jobbers

Telegraphed orders for Manex Heaters promptly filled, in order of receipt of telegram.

The Manex Company
Dayton, Ohio

Manex HEATER

For Ford and Dodge Cars

CHILTON SYMBOL

The Guide to Buying Information

The busy jobber or dealer interested in an advertisement of your product wants ***complete*** buying information, particularly if he desires to stock the item immediately.

If the **CHILTON SYMBOL** appears in your advertisement, he instantly knows where to look for this information. He turns to your condensed catalog advertisement in the **CHILTON AUTOMOBILE DIRECTORY**, the buyers' guide of the automobile industry.

There he finds specifications, order numbers, prices, local sources of supply of your product, etc. ***Then he buys!***

Let us tell you the many ways you can profitably use the **CHILTON SYMBOL**—the guide to buying information.

Chilton Automobile Directory

Chestnut and 56th Sts.
Philadelphia

THIS SYMBOL IN ANY ADVERTISEMENT MEANS: SEE "CHILTON AUTOMOBILE DIRECTORY" FOR COMPLETE BUYING INFORMATION

Griffin Carburetor

for Fords

$6.00 $6.00

ECONOMY SPEED POWER

SIMPLE ADJUSTMENT

20 to 30 MILES PER GALLON OF GAS

All Bronze Casting Built-in Strainer

Easy to Start Quick Acceleration No Vibration

"Griffin Runs Are Easy Ones"

ASK YOUR JOBBER

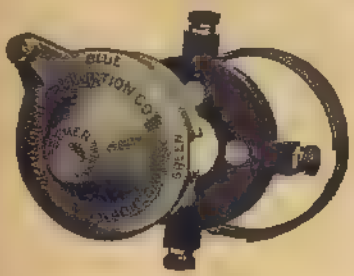
SPADONE MACHINE COMPANY, Inc.

15 PARK ROW NEW YORK

"LIFE TIMER"

For Fords *For Fordsons*

Made in Milwaukee



Shortproof
Foolproof
Requires No Oil

Do You Know

Why

The "LIFE TIMER" is a dominant factor in the timer field, and sales have passed all expectations.

Because

We believed that a quality product at a fair price would obtain immediate acceptance and approval.

Fords predominate the automobile field because they are serviceable, low in price, and all parts are replaceable at a small cost.

In "LIFE TIMERS" the same policy is carried out; it is serviceable, low in price, and all parts are replaceable at a small cost. In addition to this the commutator is made of molded "Bakelite" and is reversible, which permits turning it over should one side become worn.

Fords are not discarded because parts are worn out and timers should not be either, but the construction of most of them will not permit doing otherwise.

In "LIFE TIMERS," however, any part can be purchased separately and replaced, and the cost of all parts totals the same as the price complete.

$2.00 Complete

Shipped in attractive colored display carton, twelve to the carton. This quality product at its low price is worthy of your consideration. Write for our liberal proposition.

Mechanical Production Company, Milwaukee, Wis., U. S. A.

"COLPIN"

Superior Charging Service

If you could see the hundreds of enthusiastic letters from authorized Ford dealers and other COLPIN Magneto Recharger users!

They state the COLPIN is the quickest and most reliable charger they have ever used.

Recharges Ford magnetos without removing a single nut or bolt. Recharges any kind of magneto. Nothing to wear out. No upkeep expense.

For three years now the COLPIN has given dealers throughout the country splendid money-making service.

Why not write for the convincing evidence?

"COLPIN"
Magneto Recharger

Operates from any A. C. or D. C. light socket or storage battery. Price, $57.50.

Ask us about the famous free COLPIN Sign and other sales helps that bring you business.

JOBBERS: *Here is a live proposition for live merchandisers. Write.*

Magnetizer Manufacturing Company
Factory and General Offices
6110 S. Main Street — Los Angeles, Cal.
Factory Branch
2039 Harney Street — Omaha, Neb.

THE LEADER ACCELERATOR

(Foot Control)

FOR ALL FORD CARS

GIVES SMOOTH CONTROL
FASTENS FIRMLY to transmission case
PERMITS REMOVAL of floor boards without disconnection or interference
DOES NOT INTERFERE with hand control
IS MECHANICALLY CORRECT
BRONZE FRAME AND FOOT REST
Price, $3.50

Manufactured by W. S. SCHUYLER MFG. CO.
Shuey Factories Bldg. — SPRINGFIELD, OHIO

A Signal to You!

The appearance of this Symbol in a manufacturer's advertisement is a signal to you that the manufacturer has placed complete buying information about his product in the current issue of the CHILTON AUTOMOBILE DIRECTORY for your reference.

Watch for the Signal. Turn direct to the standard reference book of the trade and avoid lengthy correspondence.

Chilton Automobile Directory

(Published Quarterly)

Chestnut and 56th Streets — Philadelphia, Pa.

THIS SYMBOL IN ANY ADVERTISEMENT MEANS, SEE "CHILTON AUTOMOBILE DIRECTORY" FOR COMPLETE BUYING INFORMATION

BELL Profits Are Permanent

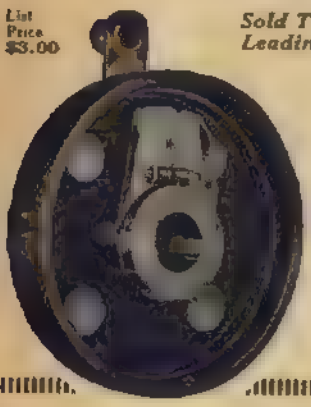
Because there are no "comebacks" to Bell Timer sales. And every customer tells his Ford owner friends about the super-service rendered by this unusual timer

Bell Timers sell fast. They sell quicker when shown on our unique "Heart of the Ford" display stand. Send us your order for 10 or more Bell Timers and get this silent salesman free

THE BELL TIMER

List Price $3.00

Sold Through All Leading Jobbers



Attractive Dealer Discounts

BELL Mfg. Co.

10 Elkins St.

BOSTON 27 MASS

A Real Opportunity

FOR

Live Distributors

To secure the exclusive distributorship for RED D DEE RIGID LOCKING STEERING WHEELS. These wheels are made in Tilting and Non-Tilting types for Ford and Chevrolet.

Simple in construction, easy to apply, require removal or adjustment of no standard parts except standard wheel

Approved by Underwriters' Laboratories.

Write for details

Detroit Motor Casting Co.

Detroit, Mich.

Highest Quality Armature Winding

Ford Generator Armatures Rewound $1.95 Net Each

All other types of Two-Unit Generator Armatures Rewound $4.95 Net Each

Ford Starter Armatures Rewound $2.00 Net Each

All other types of Two-Unit Starter Armatures Rewound $6.75 Net Each

Any type Vacuum Cleaner Armature Rewound $3.50 Net Each

We are one of the largest winders of automobile armatures in the United States

Write for catalog giving prices on motor generator winding and commutators, also quantity prices

All Work Guaranteed

H. M. FREDERICKS CO.

Armature Winding Specialists

LOCK HAVEN, PA., U. S. A.

The TRUSKO *Brace for FORDS*

(Patented; other patents pending)

11 POINTS

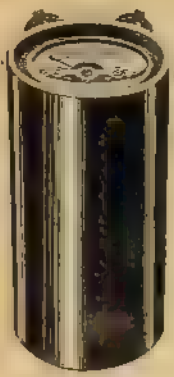
2. Prevents sagging of the transmission. And there are 10 other advantages included in the purchase price of $2.50—any one of them sufficient to make the sale.

Let us tell YOU about them: so you can tell your customers

The* TRUSKO, *Inc.

NAPA, CALIFORNIA

(16)



FORD MAGNETO TESTER

Five Days' Free Trial

Send $7.50 for a Hall Special Magnet Tester Give it a five-day trial and decide its worth.

This small, compact instrument tests magneto magnets, quickly and accurately. It is not a voltmeter—the reading is independent of engine speed.

Take advantage of this risk-proof, money-back-in-five-days offer. *Write today*

HALL ENGINEERING SERVICE
140 S. Dearborn St. Chicago

"HALL SPECIAL"

FANSTEEL

Balkite Battery Charger

A new and indestructible battery charger for radio A" batteries Entirely noiseless has no moving parts nothing to adjust or get out of order. Requires no attention and can be used while the radio set is in operation. A simple, efficient, economical charger for home use.

Jobbers and Dealers: The Fansteel Balkite Battery Charger ends complaints and replacement troubles. Write for literature and discounts.

Price, $18.00
($18.50 west of the Rockies)

FANSTEEL PRODUCTS CO., Inc.
North Chicago Dept. J-1 Illinois

There is Now a—

SECURITY AUTOLOCK

for Fords

That Retails at

$7.50

A big seller that with our liberal terms means big money. Installed in five minutes. Reduces insurance 15%. All Security locks now made in ¼" hardened steel.

Distributors write—there is some very good territory open and you may be able to take advantage of it.

Security Autolock Co.
410 N. Paulina St. Chicago, Ill.

Fenders—Hoods

Running - Board Shields

Running-Boards

For Old and New Model

Fords

3-M Quality—Highest grade enamel finish and workmanship; extra heavy high-grade steel

Prompt Shipment

Motors Metal Mfg. Co.
5490 Milford Ave. Detroit, Mich.

UNITRON
RECTIFIER

50% Greater Battery Capacity

1000 Hours Bulb Life

Write for Literature

Forest Electric Company
New and Wilsey Sts. Newark, N. J.

FOX LOCK *and* STEERING WHEEL *for* FORDS

No Better Lock is Made

Locks front wheels, steering gear, and steering wheel *rigidly*—the only *safe* type of lock for Fords. Hundreds of thousands in use. Big, corrugated walnut wheel makes driving more comfortable and improves appearance of car. Center horn button is great convenience.

Model illustrated is DH—$14 00. Other models, $7.00 to $16 00, including tilting-wheel lock for new four-door sedan.

Write today for full details

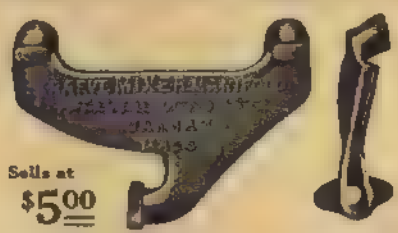
Fox Automotive Products Corp.
4646 N. 18th St. Philadelphia

Ask Your Jobber for the Only Shock Absorber With Bronze Bushings

W & C SHOCK ABSORBERS

P. H. WEBBER CO.
Hoopeston Ill.

KRAFVE
Mixer Manifold



Sells at
$5.00

Every Ford Owner Needs It

The flattened Krafve Intake Manifold flattens out and thoroughly mixes the gas and air into a very fine vapor, which explodes with tremendous force in the engine of your customer's Ford car.

Greater engine power and sharp reduction of gas, oil and repair bills are some of the many reasons why this long-lived aluminum power developer is a big seller—and money-maker.

Write for our proposition

Krafve Automotive Corporation
OAKHAM, MASS.

DEALERS—Who Want QUICK TURNOVER PROFITS—SATISFACTION

SELL

PEERLESS

PRODUCTS

FOR FORD CARS

ASK YOUR JOBBER or Write

THE CORCORAN MFG. CO.

Dept. 16 Norwood Cincinnati, Ohio

TURNER

2 IN 1

TIMER

For Fords

You know how Ford owners hesitate about trying a new timer—although they want one that's better and really trouble-proof.

The Turner satisfies them. It has a sure fire, long-life brush that serves long after ordinary timers are scrapped. Oil and water won't short circuit it. It will not chafe through at the terminals nor at the spark advance rod—it's *protected*. Other striking improvements make it the best-selling timer on the market.

We also make the Turner $1.00 Foot Throttle for Fords. Write for information on the Turner line of high-grade motor devices

TURNER MFG. CO., Dept. C, Kokomo, Ind.

MOHAWK

Sliding Gear Transmissions for Ford Cars and Trucks

6 SPEEDS FORWARD 2 SPEEDS REVERSE

The MOHAWK is a complete unit, ready to install. It is GUARANTEED FOR LIFE OF CAR OR TRUCK. Eliminates planetary troubles. Stops destructive vibration and motor racing. Increases power and speed. Standard selective type gear shift with right-hand emergency brake. Has MOHAWK patented extra universal joint, which self-aligns all mechanism. Dealers: Write about open territory

THE MOHAWK CORPORATION

Dept. B ROCKFORD, ILL.

ROME-TURNEY RADIATORS

for Ford Cars

Quality Radiators. Guaranteed to be the highest grade obtainable. The true Honeycomb Mercedes type, made by a patented process, of thin, special alloy brass. If you want to sell the best, get a stock of them without delay.

ROME-TURNEY RADIATOR CO.

Rome, N. Y.

THE FORD SECTION

Traffic Signs Expedite Service

Efficient Handling of In- and Out-going Traffic Enables This Ford Dealer to Handle Quick Service Jobs Readily

Service Follow-up Keeps Owners in Touch and Satisfied

Stores 100 New Cars in Space Usually Taken by 25. Sells Accessories But Does Not Overstress Them

WELL-ROUNDED departmental organization of the business and an unusually good quick service layout are two of the reasons for the success of Hill & Tibbitts, Ford and Lincoln dealers of Washington, D. C.

The business of selling Fords and giving service to the numerous Ford owners has attracted or developed dealers whose investment runs into large figures. And the very size of the establishments makes good business organization imperative. Because everything is running smoothly, everything taken care of, such establishments often do not have any one prominent feature but closer insight into them shows, always, things of interest.

Hill & Tibbitts' sales and service station is located at 14th St. and Ohio Ave., N. W. The location is but a short distance from Pennsylvania Ave., well known to every Washington visitor, and is well toward the southern end of 14th St., which is Washington's automobile row.

The Hill & Tibbitts Establishment at Washington, D. C.

The building, of brick and concrete, is three stories high and attractive in appearance. On the first floor are the salesrooms, parts stock and the quick service depart-

FORD SECTION

Three Wide Doors With Traffic Signs in the Outside Court, Eliminate Congestion of Incoming and Outgoing Cars

ment. The second floor is taken over by the shop and the third floor is used for new cars and storage.

Needed Information Always Ready

The office is located on a small balcony in the rear of the first floor sales room. The office is not large, compact describes it, but furniture and equipment is well arranged and all needed information for the conduct of the business is there—ready at all times. The answers to my questions about the business were given very quickly. The importance of office system and management is as great in the automobile field as in other lines, but does not always receive the attention it deserves.

The departments of sales, stock, service, accounting and tractor and Lincoln have been established in the Hill & Tibbitts business. There are four members in the firm and each has charge of one department.

The salesroom is attractive in many ways. The end and one side are all glass. Awnings over the show windows, an evergreen hedge between the sidewalk and the building and individual writing desks inside, all help toward creating a favorable impression. Salesmen are paid a straight commission. Prospects turned in by salesmen are reserved for the man reporting them for sixty days. After that time any salesman may go after the prospect to get the order. Government employes furnish the large bulk of prospects and present car owners. Having a set and definite income, sure whether general business be good or bad, these persons are as a class a "good risk" for time sales. Hill & Tibbitts reported that about 50 to 60 per cent of their sales were made on time. Financing is done by a local finance company. This company takes entire charge of the transaction after the notes are signed and the car delivered. They make all routine collections and also take the necessary steps to collect if payments are not met when due.

Convenient Stock Room Location

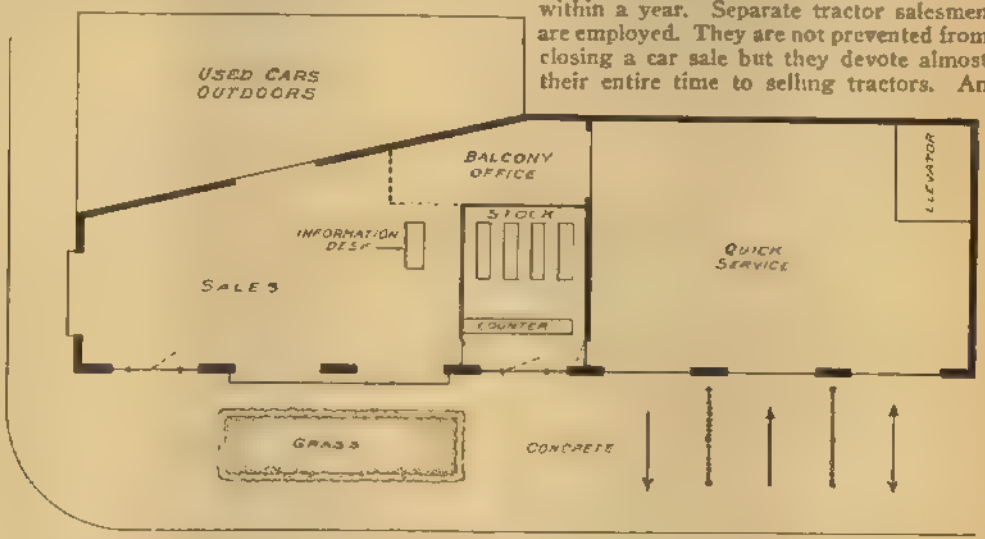
The stock of parts is located on the first floor at about the middle of the building. It is easily reached from the sales room and also from the quick service department. A long counter makes the front of the stock room and parts are kept in steel bins directly back of the counter. All of the bins are in plain sight from the counter, an arrangement which saves time if the customer is not sure of the name of the part wanted but does "know what it looks like when I see it."

The service system is well thought out. Quick service and all inspecting is done on the first floor or on the concrete pavement just outside the building. The building is set back some distance from the property line. In front of the sales windows the extra space is planted in grass with a hedge around it. In front of the service department the space is concreted and is used for outdoor inspection and adjustment. There are three wide doors in the front of the service department. Chains supported on pipe standards divide the three driveways, just as police departments mark safety zones. These chains extend from the building out to the property line. The arrangement of the three doors and three separate driveways avoids any interference between cars going in and coming out. And by using any door

FORD SECTION

for either entrance or exit a passageway in and out of the building can be kept open at all times. This gives a very effective means of traffic control for service stations.

The service department is open from 7.30 in the morning until midnight. After inspection the work needed to put the car in order is listed on an order blank made in triplicate. One copy goes to the customer, one on the car for the shop and the third in the book for record. The service salesman takes care of the blanks and the customer does not have to leave the car and go in the office. He simply signs his name and is free to go. When he calls for the car the papers are brought to him.



Following Up Service Customers

A record is kept of every service customer and every job is recorded. If the customer does not call for more work within three months a letter is sent to him calling his attention to the fact. This plan shows the customer that the firm is taking an interest in him and brings in quite a lot of additional work for the shop.

The shop on the second floor is lighted with factory steel sash in the side walls. The equipment includes a complete electrical test bench, rear stands, engine bearing reaming set, crankshaft jig, drill press, lathe, power grinder, burning-in and running-in stand and an overhead track. Individual steel lockers are provided for employes and there is a well-fitted clean washroom.

During the winter months a stock of new cars is kept on the third floor. By making a frame of 4x4s about four and a half feet high Hill & Tibbitts found that chassis could be stored partly on end, i. e., with the frame at an angle with the floor. Stored in this way with the bodies over the chassis 100 cars can be put in the space formerly taken by 25 cars.

There is a separate department for used cars. A lot next to the building is owned by the company and is used for an outdoor car mart. The lot is fenced and the cars are displayed side by side in a big U-shaped line. Intensive work on sale of used cars moved twenty of them in ten days recently.

Rather to our surprise we learned that some twenty-five tractors had been sold within a year. Separate tractor salesmen are employed. They are not prevented from closing a car sale but they devote almost their entire time to selling tractors. An unexpected sale for tractors came during the heavy snowfall of February a year ago, during which the roof of the Knickerbocker Theatre collapsed. The local traction company made effective use of Fordsons in clearing their tracks of snow. They bought up about all of the tractors and plows to be found in the city.

Car Sales Most Important

Hill & Tibbitts do not push the sale of accessories to extremes. They have found that it is a mistake to recommend too many accessories to car owners, especially those buying a new car. In sales work they emphasize the utility of the car as a means of transportation and avoid any suggestion that a lot of "trimmings" are needed to insure satisfaction. They have a stock of well-selected accessories and they sell them, but sale of cars and service comes first; sales of accessories second in this establishment.

In the near future the lot now used as the used car mart will be used for an addition to the present building. We need bring no further proof of the successful management of the business of this dealer.

FORD SECTION

The E-vap-O Crankcase Heater

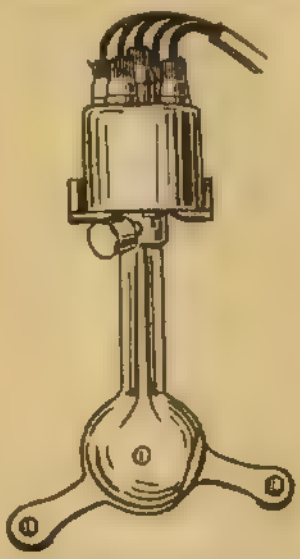
Harvey E. Mack Co.
1229 Harmon Pl., Minneapolis, Minn.

Improper lubrication, due to the oil becoming diluted through condensation of moisture in the crankcase can be avoided by the use of the E-vap-O Crankcase Heater. As shown in the above view this device consists of a long cylindrical drum, half submerged in the oil, brazed into the crankcase and connected with the exhaust manifold directly back of the engine. The hot exhaust, right from the engine passing back and forth through the drum, radiates sufficient heat to vaporize any moisture.

The D. & D. Steering Column Brace

L. H. Daley & Co., Columbus, Ohio

By stabilizing the Ford steering column, this brace eliminates vibration of the steering wheel, and in general insures comfort in driving and better steering control. It attaches securely around the steering column and to the dash as shown in the above view. It is made of a special alloy of aluminum and steel, with an enhancing nickel finish. List price, $1.50.



The Schroeder Ignitor

The John F. Fant Mfg Co.
Bridgeport, Conn.

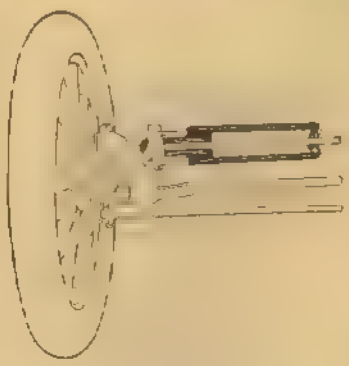
manufacturers of this device, describe it as an improved one-coil ignition system, which is designed to be operated in conjunction with the Ford fly wheel magneto, and also to give satisfactory results on either a storage battery or dry cells in case the flywheel magneto should become inoperative. With this system a large high-conductivity brush and large low-tension contact segments are employed, allowing plenty of radiating surface to carry the excess amperage or heat which is generated at the higher speeds by the Ford flywheel magneto. The device is enclosed in a single casing of bakelite of relatively small size and is operated by a single shaft carrying a rotor, which is provided with a primary and secondary circuit conductor. The Schroeder Ignitor is elevated by a bronze bracket and driven by bevel gears at its base

New Ford Roadster Body

Lima Sheet Metal Products Company
Lima, Ohio

have added a new Ford Roadster Body to their Limaco line of Ford and Fordson sheet metal parts. It is stated that very little work is necessary to assemble this job as all holes are drilled to coincide with the standard Ford chassis. The body is made in two units entirely from sheet steel and assembled by the welding process over frame or base plates of 14-gage sheet steel. The instrument-board supports dash board and seat-back supports are made from 16-gage sheet steel. All outer sheets are of 20-gage special body stock. Provision is made in the rear of the body to take the standard Ford round tank an extension filler cap being furnished. The back cushion is mounted on a removable board making easier access to the large rear engage compartment. The hood is of the three-hinge type with the rear semi-exposed top hinge. The tail gate sheet of 16 and 18 gage sheet steel has aluminum molding trimming in the front. The fender equipment consists of a complete set of deep crown rolled fenders with irons and with large front splasher covering the front axle. The drop forged interslung front axle of high grade steel is heat treated and the necessary fixtures for lowering the frame at the rear end are included. The body is finished in two coats of rich gray baked-on enamel and all other parts are finished in two coats of black baked-on enamel. The entire assembly is shipped in two crates.

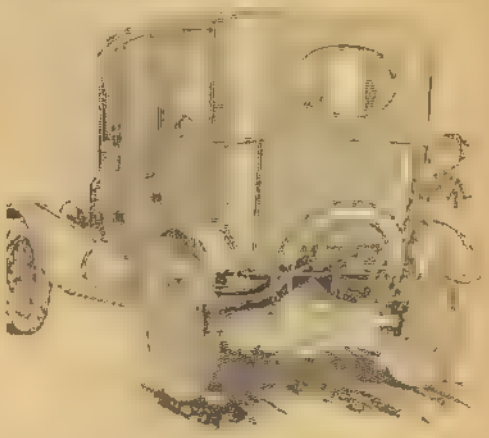
FORD SECTION



Campbell Anti-Rattlers for Ford and All Cars With Open End Rods

Campbell Wire Specialty Works
South Bend, Ind.

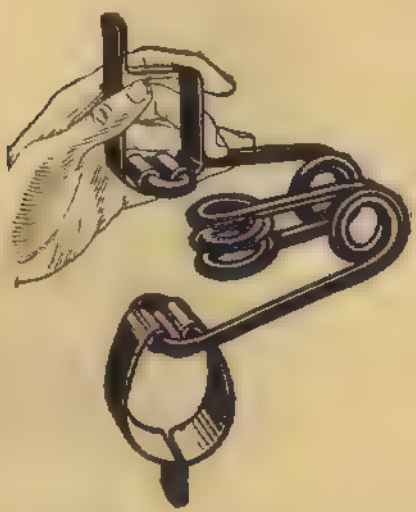
The Campbell Anti-Rattlers are for the purpose of providing better control of the car in the steering and braking action, as they are applied on the brake rod, steering arm and steering rod. The above view shows it installed on the steering rod. They are well made, japanned (except brake rod anti-rattlers) and packed in individual attractive two-color cartons—one set per carton. Steering rod, two per set—brake rod, four per set—steering arm, one per set. Prices of steering rod and brake rod—one gross at $21.60 per gross sets, ten gross at $20.10 per gross sets. Prices of steering arm—one gross at $18.70 per gross, ten gross at $17.25 per gross.



A New Spring for Ford Cars

Detroit Approved Spring Co.
Detroit, Mich.

The outstanding feature of the new Detroit Approved Spring is its criss-cross construction. The system consists, in reality, of two complete springs, each running from the perch on one side to the shackle on the other, intersecting at the center. At the latter point there is a slide or "glance" bearing on which the body of the car rests and through which each of the springs slides, thus increasing the swing of the shackles and, as the manufacturers say, "shooting the shocks into the air." Either one of the two springs comprising this system is equivalent to, and has both the length and strength of the regularly installed Ford rear spring system. Either spring will carry a maximum Ford load. Hence the system is said to impart not only more comfort and flexibility, but great strength as well. An interesting feature is their ease of installation. Neither the rear wheels nor perches have to be removed to make the installation.



The Stopshock; a Shock Absorber

Multi Mfg. Co.
343 S. Dearborn St., Chicago, Ill.

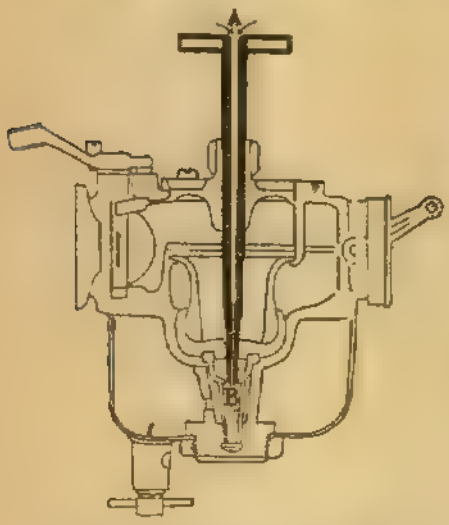
The Stopshock is a strong, steel, triple-action spring shock absorber. A set of four placed between the Ford spring and axles in front and rear are specified to impart better riding qualities and steering control. Prices, set of four, for Ford passenger car, $7.50; set of two for Ford delivery cars, $4.

The New Mutual "Multi-fit" Demountable Replacement Wheel

Mutual Wheel Co., Moline, Ill

The specially designed steel felloe of this new demountable replacement wheel is so constructed that it will take the various types of demountable rims now used on Ford cars as original equipment. It embodies the desirable feature of fitting many rims. With this wheel the old rim, hub, demountable rim bolts, nuts and wedges are used. The spokes are of high-grade wheel hickory. These wheels are finished black and crated in standard crates of eight wheels each.

FORD SECTION



The Pre-Mixing Needle Valve

Embler Carburetor Co
303 Fifth Ave., New York City

The Pre-Mixing Needle Valve is a device for breaking up the heavy fuel into small particles. This is accomplished by means of a small air passage that runs through the Pre-Mixing Needle Valve. One end (A) is open to the atmosphere, and the lower end (B), extends below the gasoline level in the needle valve seat. The suction created by the engine brings to bear a vacuum upon this needle valve seat. This in turn draws a certain amount of gasoline through the seat by the needle valve point (B). This vacuum also draws air from the atmosphere through the opening (A), which travels down and out at opening (B) and comes up through the gasoline around the seat at a very high velocity, and breaks the gasoline up into a very fine spray.

The Apco Dash Oil Gauge

Apco Mfg. Co., Providence, R. I.

This solid cast aluminum gage fastens to the Ford instrument board. A hollow wire leads to an air pressure chamber which is threaded into the lower petcock hole in the Ford engine. The indicating liquid in the body of the gage is controlled entirely by the air pressure in the tube through which no oil or liquid passes. List price, $3.

Storm-King Roller Swinging-Door Enclosure for Fords

Storm King Mfg. Co., Inc., Hortonville, Wis

is now offering for Fords a roller swinging-door enclosure, known as the Storm King and which operates on spring rollers. Door rods are permanently attached to the front and rear door curtains and roll with them. Thus the door curtains swing with the doors when they are opened. By simply lifting the front-door rod from its socket the front door curtain rolls up automatically into a metal container attached to the windshield. In a like manner the rear-door curtain is rolled on a roller, which after releasing a spring catch, is swung into a metal container under the top. The center and rear curtains are rolled up and strapped. This enclosure is always available when required and when in use gives good protection to the passengers against the elements. It is easily attached and complete instructions are included in every set. Each enclosure is packed in a solid fiber container.

The Improved Rush Timer

W. B. Rush & Co., Los Angeles, Cal.

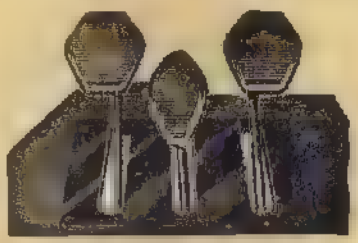
The main feature of this new timer, other than the presence of the Rush Timer Roller, is the detachable fibre contact ring which fits inside the timer case. This ring is reversible as well as detachable, insuring even wear and long life. It can be replaced without removing the timer wires. All parts, the case, the contact ring, and the timer roller, are interchangeable and are sold complete or separately. This means greater economy as one needs to renew only the particular part that is worn. All materials used are high grade. Price, complete, $3

FORD SECTION

Van Auken Tops for Converting Ford Touring and Roadster Cars Into Closed Models

Van Auken Co., Pontiac, Mich.

In outlining the construction of this top emphasizes the fact that 95 per cent of the material used is steel and glass. The wide glass windows afford clear vision at any angle, and they together with the doors are set in a rubber channel, eliminating any chance of rattle. The windows slide to any desired position, thereby providing ventilation. The doors and windows can be removed without tools, if desired. The all-metal panels are finished in baked enamel. The roof, which is constructed of metal and wood, is covered with seamless one piece, black enameled duck. The coupe top embodies the same advantages as the top for the touring car, in that the windows are instantly removable. Retail prices: All touring model tops, $95 f. o. b. Pontiac, Mich., war tax extra; roadster top, $80 f. o. b. Pontiac, Mich., war tax extra. This company has also developed a new mail man's window. The regular one-piece window is removed and the two-piece carrier window substituted. The new window has a sliding lower section, which when raised in position is held by a steel spring catch. A slight pressure releases it, and it drops back into place, where it is said to be air-tight and rattle-proof.



"Perfection" Ford Extension Pedal Pads

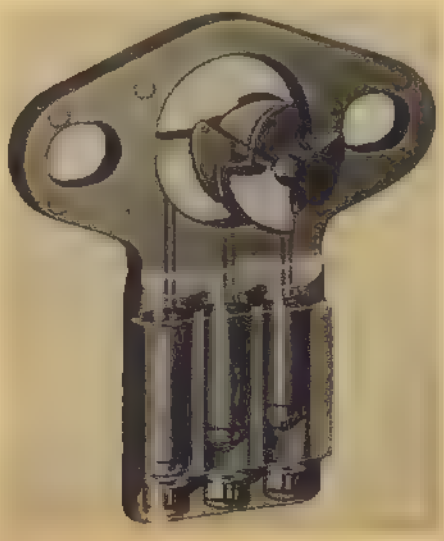
Auto Pedal Pad Co., Inc.
318 W. 52nd St., New York City

"Perfection" pads are a safeguard against the foot slipping and an aid to driving comfort. They are moulded from high-grade solid rubber. The upper surface with deep corrugated ribs, insures a firm suction grip for the foot. The pad is firmly secured in a cold rolled steel frame, which is attached to the pedal with metal prongs. The frame is handsomely nickeled.

The Thor Manifold for Ford Passenger Cars and Trucks

Thor Manifold Co.
1842 Ash St., Detroit, Mich.

The Thor Manifold is designed so as to enable the Ford engine to operate at maximum efficiency on even low grade fuel, states the manufacturer. It combines in one casting the inlet and exhaust manifolds. A single wall of metal separates the hot burnt gases from the incoming gasoline and air, imparting the necessary heat to dry and gasify the engine fuel. The manufacturer also calls attention to the smooth outline and properly proportioned inlet and exhaust apertures of this manifold.

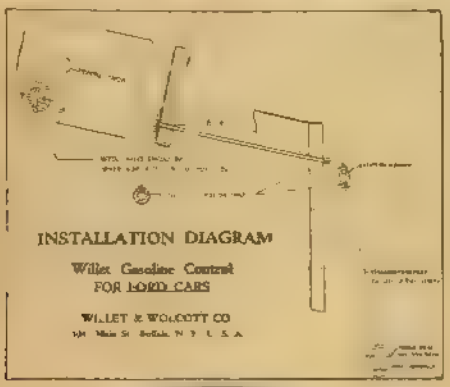


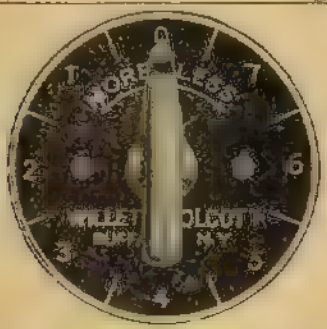
Unique Gas Saving Device for Fords

Fyrac Mfg. Co., Rockford, Ill.

Announces a unique type of gas saver for Ford cars, which is claimed to effect a saving of from 25 to 40 per cent in the amount of gas consumed. The Fyrac Gas Saver embodies two principles, namely, the admission of air in the proper quantities in the intake manifold and the breaking up of the gasoline thoroughly after it has been mixed with the air. It operates on a three-speed basis: At slow speed, one of the chambers admitting air is opened through the upward air pressure against a bullet-like weight, at medium speed, the second chamber opens. The air and gas are then mixed and passed through three vanes, as shown in the illustration and are thoroughly mixed, and the combination broken up, or vaporized. From there the gas passes into the intake manifold and into the engine. This Gas Saver, which, it is said, requires only fifteen minutes to install, is guaranteed to give satisfactory results.

FORD SECTION





The Willet Carburetor Control for Ford Cars

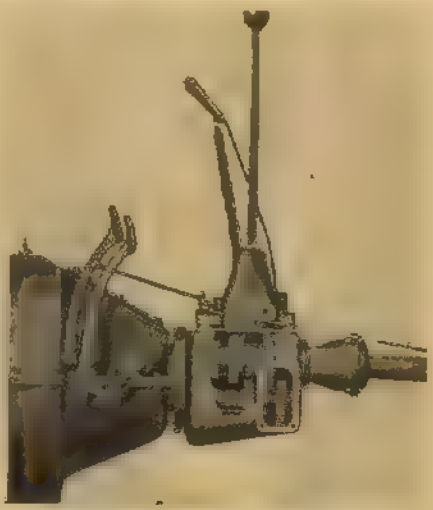
Willet & Wolcott
1461 Main St., Buffalo, N. Y.

The Willet Carburetor Control has been developed to enable the driver to adjust the carburetor directly from the seat while the car is being driven. It is mounted on the instrument board so that it is not only easy to reach, but can also be easily seen. Price, $1.50. West of the Mississippi, $1.60.

Bruno Two-Wire Timer for Fords

The Bigelow Bruno Mfg. Co.
537 South Dearborn St., Chicago, Ill.

A distinctive feature of this timer is that it employs only two wires, both of which are placed on the side opposite to the fan belt, where they are less subject to wear. Its case of bakelite is said to be proof against short circuits, rust, moisture and oil. The revolving contacts and the stationary contacts are made of pure copper. The brush holders are of brass, thus making a complete electrical circuit composed entirely of brass and copper.



Brooklyn Three-Speed, Sliding-Gear Transmission Equipment for Ford Cars and Trucks

The Brooklyn Mfg. Co.
7804 Carnegie Ave., Cleveland, Ohio

is manufacturing a Ford auxiliary transmission which gives the Ford a control consisting of left pedal, clutch; right pedal, service brake or drums; and a standard gear shift of three speeds forward and one reverse, with the emergency brake lever affixed to the transmission next to the gear control and operating internally on the drums in the regular Ford manner.

Snap Exhaust Relief Valve (Cut-Out) for Ford Cars

Morse Mfg. Co.
325 West Fayette St., Syracuse, N. Y.

Simple in construction, light in weight and sturdily made of high-grade materials summarize the merits of this cut-out. The valve, with big opening 3½ in. long, is securely clamped with steel bands over the opening in the exhaust pipe. The valve operates lengthwise of the pipe without obstructing the outlet and is controlled by a tempered steel spring which is free from the heat of the exhaust and holds the valve either fully open or tightly closed. The simple rocking pedal with no hooks or catches operates the valve through an adjustable steel rod. Packed in individual cartons 1½ x 3 x 12 in., a convenient size for shelf and shipped in substantial cases containing 100 outfits weighing 170 lb., and 60 outfits weighing approximately 100 lb., or minimum freight weight. List price, $1.50.

FORD SECTION

Double Snub, Auxiliary-Spring Ford Snubber

Disco Electric Mfg. Co., Detroit, Mich.

A spring snubber completely checking every shock, and the auxiliary spring to catch the rebound, is the simple principle involved in this Ford Snubber. The spring-base of the Double Snub rests freely on the leaf-spring of the car, allowing free action. It does not crimp or bind the springs. At the downward shock, the slightest movement of the leaf-spring is instantly checked by the main spring of the snubber. On the rebound, the upward throw of the leaf-spring is caught and absorbed by the auxiliary spring of the snubber. Thus the car is cushioned against rebounds sideway bumps and shocks. It is installed without removing wheels or changing perches, or construction of the car in any way.

Snap Foot Accelerator for Ford Cars

Morse Mfg. Co
325 West Fayette St., Syracuse, N. Y.

Simplicity, easy installation, direct action on throttle with no lost motion, comfortable foot rest and finish in brass and nickel, are the features of the Snap Accelerator. The foot rod is supported independently of the floor board by a substantial bracket held by the tranmission cover screws. The lower end operating in a small lever is held by a throttle adjusting screw and lock nut. A small free fitting lever on the hand throttle shaft of the steering column provides an independent action of hand and foot control. A foot rest of most standard and comfortable type is included and a long tempered steel spring cushions the foot action. List price, $1 50.

The New Defender Door Handle Lock for Ford Closed Cars

Defender Auto Lock Co.
Allegan, Mich.

The lock in this new Defender Door Handle is so constructed that any sagging that might occur in the Ford door does not interfere with the proper functioning of the lock. The locking device is designed to give positive protection, without adjustments. The plunger must positively release the locking pin and none but the correct key will unlock this brass jacketed cylinder. For the left door, a dummy handle to match is supplied. The left door can be opened from the inside only. For locking no key is required as the locking cylinder is built into the right door handle. After closing the door, the plunger is simply pressed. This automatically releases the locking pin. The key is not required until the car owner wishes to re-enter the car. The correct key instantly unlocks the cylinder. Several hundred key changes are used with Defender Door Locks. The door handle has a sturdy nickel-plated finish. A small screw-driver is the only tool needed to install this door handle lock. Price, $4 00 per pair, complete with two brass keys.

Inland Grease Retainers

Inland Products Co., Inc., St. Louis, Mo.

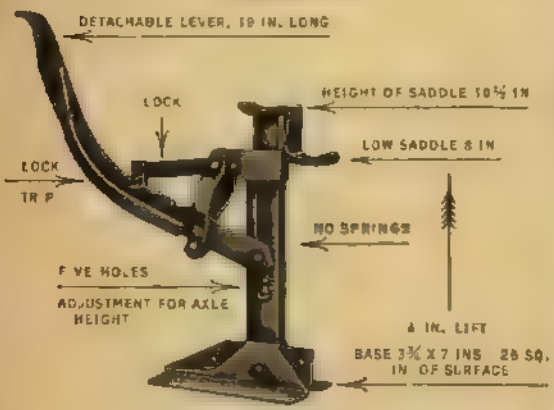
Inland Grease Retainer, when installed in the rear axle prevent leakage of grease. They are made of three extra high-grade felt washers, one composition rubber washer, steel cup and two retaining rings. They remain stationary—and two rivets in the present axle housing keep them from turning. It is mentioned that they do not cause wear on the axle. Price, each, $0.75.

FORD SECTION

Aetna Differential Thrust Bearing

Aetna Ball Bearing Mfg. Co
213 Institute Place, Chicago, Ill.

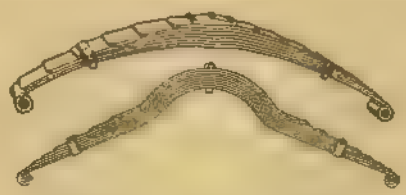
The Aetna Differential Thrust Bearing is a heavy-duty bearing for Ford and Chevrolet 490 cars. It is designed to replace the two metal washers originally installed in the car. The thrust plates are made of heavy steel, properly hardened and ground. The ball retainer is of the manufacturer's own "staggered" ball construction, causing each ball in rotation to travel a separate circular path on the flat ground surface of the thrust plates. This, it is said, gives a wide bearing surface and great load carrying capacity.



The "Henry" One-Lift Auto Jack

Wolverine Specialty Mfg. Co.
Battle Creek, Mich.

The "Henry" One-Lift Auto Jack enables the user to avoid dirt and injury to hands and clothes, as the jack is simply placed in position, and the elevating and lowering is done with the foot. One pressure of the foot raises the load and another lowers it. It has five different adjustments as to height, and a straight lift of 4 in. It is also adaptable for other light cars, such as Chevrolet, light Overland, Gray, Dort, etc. Steel is used in its construction.



Titanic Springs for Fords

Tuthill Spring Co., Chicago, Ill.

The Titanic unbreakable "hump center" front spring is especially adapted to the Ford passenger cars and trucks because of its ability to withstand hard usage and overloading. It is made of a special quality of alloy steel, oil tempered, carefully tested and is easy to install on either double or single spring-clip cars. The top illustration shows the No. 102 7-plate "hump-center" spring and the lower the No. 105 8-plate, bolt-center spring

Cook 2-in-1 Timer

Cook Commutator Co., Brooklyn, N. Y.

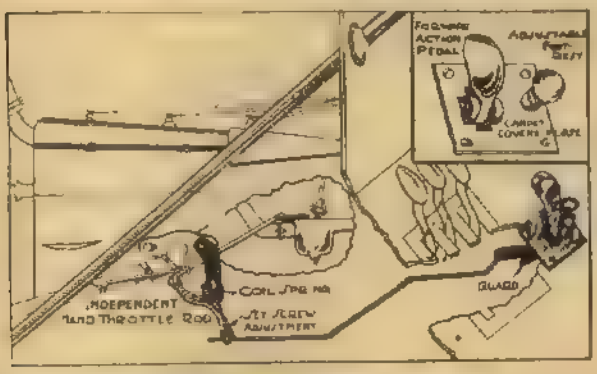
The Cook 2-in-1 Timer has double contact points which work in combination with double brushes traveling over a highly polished surface. All wires are concealed and consequently protected from grease, oil, water and the fan belt. The contact points are securely moulded in condensite.

The Lowery Freewheel

Lowery & Blakeman, Mfrs., Atlanta, Ga.

The Freewheel is operated by a special quarter turn Yale lock conveniently placed on top of the wheel. The special tilt feature, as illustrated, is operated by a spring catch and has nothing to do with the locking mechanism. Parts are enclosed in case-hardened steel. Price, $15.

FORD SECTION



The Stoner Accelerator

Stoner Equipment Co.
1902 S. Western Ave.
Chicago, Ill.

The accompanying illustrations clearly show the installation of the Stoner Foothrottle which lists at $1 50. The parts are malleable castings and nickel plated steel. It has a spring to insure proper tension and a balcrank action with a set screw adjustment

Ne-To Ignition for Ford

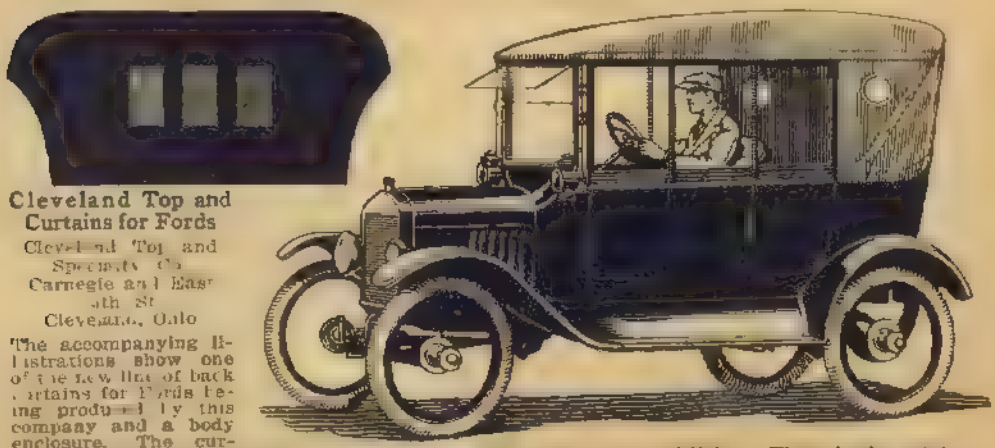
The Ne-To Company
201 J. M. Studebaker Bldg., South Bend, Ind

This outfit comprises an ignition system using current from the Ford magneto doing away with the vibrators. It has a standard make and break system operating mechanically, a high tension distributor and effective condenser. This device will also operate successfuly on the battery

Disteel Wheels for Fords

Disteel Wheel Corp., Detroit, Mich.

This concern is marketing a set of its well-known wheels made especially for Fords at the price of $75 f.o.b. Detroit. This equipment includes five wheels with rims, two each front and rear hubs, a spare wheel carrier bracket and a license bracket. The wheels are painted.



Cleveland Top and Curtains for Fords

Cleveland Top and Specialty Co.
Carnegie and East 55th St.
Cleveland, Ohio

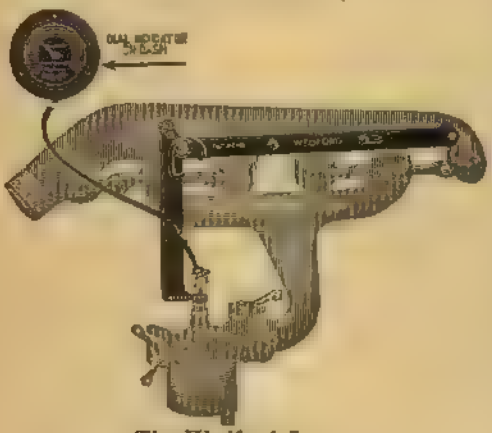
The accompanying illustrations show one of the new line of back curtains for Fords being produced by this company and a body enclosure. The curtains can be had as shown with three lights or with one or two oval lights. These back curtains are made of first quality rubber drill The top enclosure provides exceptionally clear vision for the driver and passengers.

FORD SECTION

Tip-Top Top for Fords

Tip-Top Mfg. Co., Los Angeles, Calif.

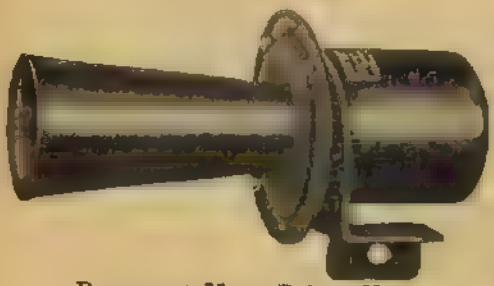
This illustration shows this one-man top attachment for the Ford touring car. The manufacturer states that this requires but little work to attach and can be installed without removing the cover. Lists at $6 00



The Wedford Savex

The Wedler-Shuford Co.
3540 Olive St., St. Louis, Mo.

This device is a novel outfit. It regulates the richness of the mixture according to the temperature of the engine and moreover has an indicator dial on the dash to show the temperature of the engine. The expansion of the manifold as it heats up is very slight, but this is multiplied by the levers as can be seen. Thus as the manifold expands the spray nozzle gear furnished, is moved so as to cut down the richness of the mixture. The lower end of the perpendicular arm has teeth which mesh with the small gear mounted on top of the carburetor. Connection is also made from the nozzle control to the dial indicator on the dash. This device lists at $7 50.

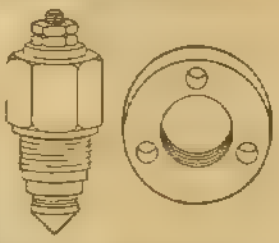


Paramount Motor-Driven Horn

Auto Metal Products Co., Inc.
432 East 71st St., New York City

This illustration shows the Model 5U Paramount Horn designed for the Ford car. It is known as the Ford Model and lists at $5 00 in baked black enamel finish. It is 9½ in. long.

E-Z-2-Kleen Magneto Plug



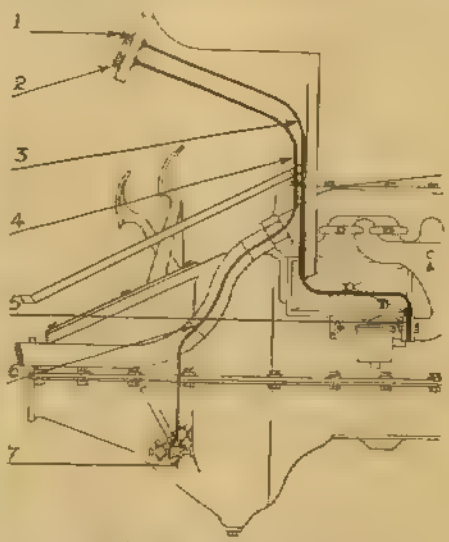
The Hazle Specialty Company
Hazleton, Pa

This handy device comprises a gasket for the transmission cover and a new plug. Its purpose is to provide an easily-cleaned magneto plug. The gasket is screwed on permanently and the plug itself screws into the gasket. The plug is made of such a size that the Ford spark plug wrench can be used to tighten and remove it. The plug is made of steel and the adapting flange is of steel also. The spring anchor, spring and contact points are made of steel. The insulating bushing of hard rubber

Ford Valve Tools

Liberty Metal Products Company
Berea, Ohio

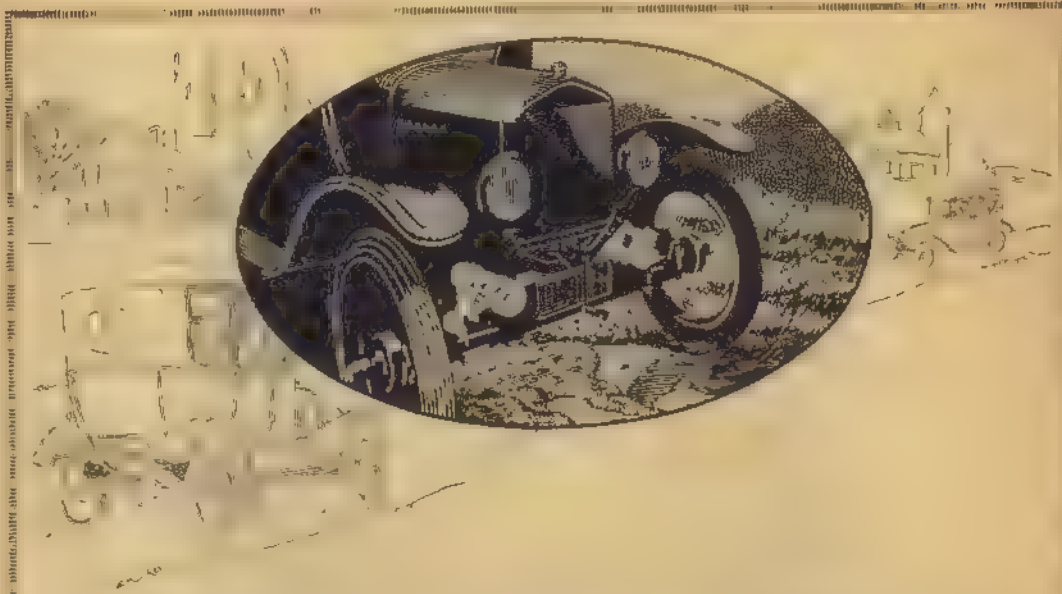
The accompanying illustration shows a Ford Valve Resurfacer and Reseater. The Resurfacer is accurately made and will do its work quickly. The cutter has eight cutting edges and lists at $0.65. The Ford Valve Reseater lists at $1.00. It has a detachable pilot and spiral cutters. Over sizes can be used if desired



Perfection Sight Oil Gage

North Chicago Machine Co.
North Chicago, Ill.

The accompanying sketch illustrates the installation of this device. It includes all the fittings necessary to install it and also a nickel plated indicator for the instrument board. The vacuum of the intake manifold is utilized to draw the oil up the gage. If the oil shows back of the glass face of the gage the petcock on the dial is closed and the oil returns to the crankcase. If no oil is drawn up it is an indication that oil will soon be needed. The price of this device is $5.00.



You Know the Hassler is Right!

YOU also know that devices you are sometimes urged to sell for various reasons in place of Hasslers do not equal them in riding comfort, in economy, or in the satisfaction your customer gets.

Experienced dealers who have sold Hasslers have seen their Hassler business grow and grow until the profits have often been sufficient to pay the rent.

When they have tried to push something else they have sold a few sets with great effort and have seen the business fall off rapidly while selling got harder all the time.

The public accepts Hasslers. They have a wonderful standing—a wonderful record for efficiency and satisfaction.

Hassler distributors are able to fill your orders the day they receive them. You never have to wait.

You turn your stock fast; you are supported by the finest service from the manufacturer. You sell a product the public really wants. And it pays!

Robert H. Hassler, Inc.
Indianapolis, U. S. A.
Robert H. Hassler, Ltd.
Hamilton, Ont.

HASSLER
TRADE MARK REGISTERED
Shock Absorbers
PATENTED

THIS SYMBOL IN ANY ADVERTISEMENT MEANS SEE "CHILTON AUTOMOBILE DIRECTORY" FOR COMPLETE BUYING INFORMATION

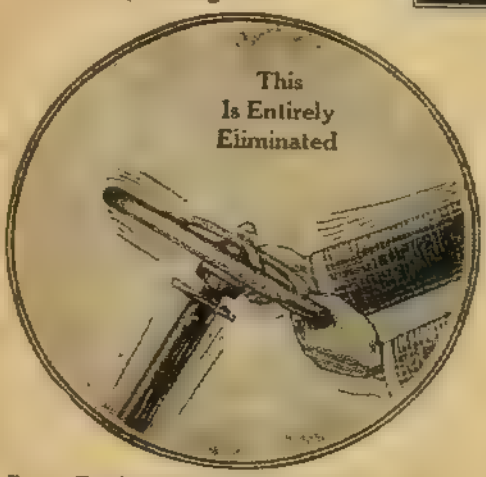
Every Sale Brings a Dozen New Customers

D & D Steering Column Brace

HERE'S an accessory that customers are *buying*—the D & D Steering Column Brace for Fords.

Wherever it's introduced the story is the same—large sales, quick turnover and good profits for dealers.

The reason is simple. It's because the brace is needed by every Ford owner and priced 'way down so he can buy—a combination which is what every wide-awake dealer is looking for.



Every Ford Owner Contends With This
D & D Stops It!

Price, Only $1.50

Over 100,000 Sold in Two Years

The D & D Brace is made of beautiful aluminum alloy—rust-proof, strong and handsome. Can be attached in two minutes without drilling and with only a wrench (this is a big selling asset when you show it to customers). Absolutely stops all vibration in the steering column.

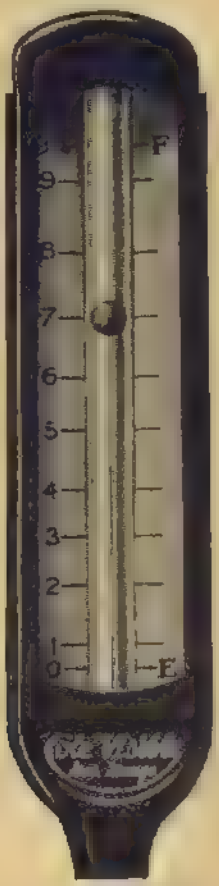
So satisfactory and so serviceable that out of over 100,000 sold in two years not one has been returned. Our sales are increasing, so will yours.

DEALERS: A sample order of D & D Braces will only cost a few dollars. It's worth a trial on an article that has already sold over 100,000. For *your* customers will want it as surely as have others. And the commissions are liberal.

JOBBERS: Get a sample order of this proven device. Let your salesmen take it on their next trip, for *it's a money-maker.*

L. H. DALEY & CO. **Columbus, Ohio**

Actual Size



The Cole Visible Gasoline Gauge Tells

1. How much gasoline is in the tank. The red indicator is always visible.
2. How much gasoline to order at the filling station.
3. How much gasoline the Ford owner gets when he buys.
4. How many miles to the gallon.

$6.00 Guaranteed for One Year

Big Profit for You —Sell Every Ford Owner

Sell them all. Every Ford owner sees the need of the Cole mechanically operated gasoline gauge. Dealers and jobbers who now sell it say the Cole Visible Gauge is a fast mover and a big money maker.

The Cole Gauge attaches to the instrument board and is always visible from the driver's seat. Fits any Ford model and can be installed in less than an hour.

Demand Increasing Daily

The Ford owner is quick to see the advantage. He knows his exact gasoline supply at all times. He does not forget to refill.

Made by the company now furnishing special model gasoline gauges to sixteen automobile manufacturers as standard equipment. The Ford owner wants the same refinement and convenience. You can sell it to him at low cost—and good profit.

Send back the coupon or write us. Read our illustrated literature and complete terms of the money-making offer to live dealers and jobbers.

THE STEMCO ENGINEERING COMPANY
Light Car Division **Dayton, Ohio**

"Read as You Ride"

COLE VISIBLE GASOLINE GAUGE

Made Especially for Ford Cars

The Stemco Engineering Co.
2nd and Webb Streets
Dayton, Ohio.

Send me your circular describing the Cole Visible Gasoline Gauge and tell me about your liberal dealer-jobber offer.

Name . . . . . .

Address . . . . . .

. . . . . .

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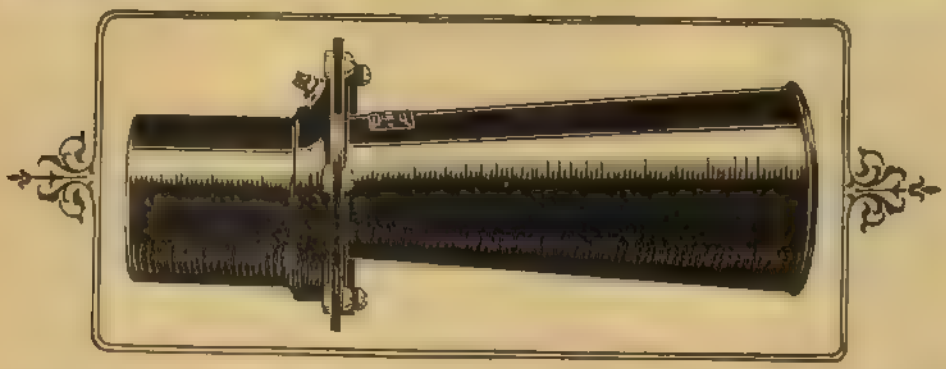
SPARTON MOTORHORNS



Do your customers' cars speak Sparton? —Sparton is the language of *safety*

ANYWHERE, at any time, the clear, resonant voice of the Sparton sounds a message of safety, safety for the driver and his passengers, safety for pedestrians and occupants of other machines.

Point this out to your customers. Convince them that once their cars are Sparton equipped, once they have learned to rely on Sparton's authoritative voice—always so thoroughly dependable—they will find new peace of mind, new pleasure in motoring.

The price of the Sparton Model AJ for Ford cars is now only $5.00. This is not a new horn—not changed in any way, nor lowered in quality. It is the same dependable Model AJ Sparton which for years has given such satisfactory service to thousands of car owners.

This new low price on the Model AJ offers you an opportunity to increase materially your sales and your profits. The safety insurance of the Sparton is within the reach of every one of your customers. Get them to make their cars speak Sparton and you will build bigger business without increasing your overhead.

Let Sparton speak for itself

This attractive display board, complete with wiring, given free of charge with your initial order for six horns, the three on the board and three others. Just tell your customers to press the button and let the Sparton speak for itself. If you are not now handling the Sparton, write for details of our sales policy.

THE SPARKS-WITHINGTON COMPANY, JACKSON, MICH.

FIRST CHOICE OF THE WORLD'S BEST CARS

THIS SYMBOL IN ANY ADVERTISEMENT MEANS: SEE "CHILTON AUTOMOBILE DIRECTORY" FOR COMPLETE BUYING INFORMATION

Price $2

The Open Secret of
Red Star Timer
Success

Is Due to the Perfect Combination of Working Parts

EXHAUSTIVE tests and years of hard wear prove that the Red Star Timer is made right. Each part is made of the highest grade material. This gives Red Stars the perfect combination of working parts, vital to the life and success of a timer.

The weakness of ordinary timers is caused by lack of scientific knowledge in selecting material, a disregard for the necessity of having parts that work properly together and a false idea of economy in making timers.

The Roller and Race Work Perfectly Together

After months of the hardest kind of heavy duty the Red Star Roller will continue to make a perfect contact. The Race and Roller will be smooth and even—without pits or bumps.

The Red Star is Scientifically Correct

Ford owners all over the United States have recognized the outstanding superiority of the Red Star 100 point carbon tool steel roller.

The roller revolves on a chrome-nickel steel bushing. Both are tempered to exactly the proper hardness. Exhaustive tests determined this to be the best possible construction.

For years Ford owners have used and insisted on Red Star Timers because they stand up. Be sure you get a Red Star—the Red Star is on the box and stamped on the shell.

Look at the Red Star Roller!

(Illustrat ons show magnified cross sections)

The ordinary roller, surface hardened, quickly wears uneven, gets bumpy and pounds the race. Causing poor contact, loss of power and endless motor trouble.

The Red Star Roller is made of 100 point carbon tool steel. Uniform throughout. Ground and polished to a mirror surface. Always makes a perfect contact.

Auto Components, Inc., Division of

Advance Automobile Accessories Corporation

1721 Prairie Avenue, Dept. 1005 Chicago, Illinois

Advance equipment is recognized from coast to coast as the finest made. When you buy an article of our manufacture for your automobile, you are sure that it is the best article for the purpose which money and manufacturing skill can produce

WHITE STRIPE FAN BELT FOR FORDS AND LARGER CARS
ADVANCE ASBESTOS BRAKE LINING for LARGER CARS
DUPLEX SHOCK ABSORBERS FOR FORDS
ADVANCE CORK FELTBACK TRANSMISSION LINING FOR FORDS
WHITE STRIPE TRANSMISSION LINING FOR FORDS

ADVANCE EQUIPMENT
"Every Product the Best of its Kind"

To the fellow who wants the Best

To the Ford owner who is tired of radiator trouble — who wants to be rid of freezing and bursting in winter and boiling and overheating in summer — who wants the best:

Sell Him the Peerless Guaranteed Honeycomb Core Radiator

Sell it to him because it is as good as any radiator built and better than most of them. Sell it to him because it will make the front of his machine trouble-proof. The wide, flat water channels will prevent boiling and keep his engine at the proper temperature while the flexibility of the all-brass core will retard freezing and eliminate bursting.

Sell him the Peerless because the guaranteed satisfaction it brings to its owner is the best advertisement of your whole business that you could have.

Your jobber's salesman will tell you all about Peerless—or a letter direct to us will bring you detailed information.

The Corcoran Mfg. Co.
Dept. 16
Norwood Cincinnati, O.

CONNECTICUT 190-Y

Replacement Switch

Here is a high-grade Ignition and Lighting control, a single unit that will replace practically any of the various round-type standard equipment switches.

Mechanical Features

Handsomely finished beveled aluminum and black enamel face plate, size to cover space taken by regular round-type switch.

Complete with studs long enough for mounting on either wood or metal dash.

Switch block of CETEC, a high dielectric of great mechanical strength.

Toggle action (crosswise) for both ignition and lighting controls.

Lever, with Bright, Dim, and Off positions for lights—

Pin tumbler lock (with changes) with On and Off positions for the ignition.

Merchandising Advantages

The universal adaptability of the CONNECTICUT 190-Y switch not only enables you to meet practically every replacement order you get, but eliminates the necessity of carrying a large assortment of switches.

Packed in individual cartons with wiring diagram and mounting instructions. Price, $4.50.

CONNECTICUT TELEPHONE & ELECTRIC COMPANY
Meriden Connecticut

THIS SYMBOL IN ANY ADVERTISEMENT MEANS: SEE "CHILTON AUTOMOBILE DIRECTORY" FOR COMPLETE BUYING INFORMATION

Piston Ring Sizes, PASSENGER CARS—Continued

REPAIRMEN

Need this Information Daily!

It's worth a great deal to any repairman to find the information he seeks without delay.

With the latest copy of the CHILTON AUTOMOBILE DIRECTORY available he can put his finger instantly on the correct answer to any replacement question.

He wants to know the type of carburetor, its size, and type of outlet for a certain car—he finds it in the CHILTON AUTOMOBILE DIRECTORY. He can find piston ring sizes, spark plug data, storage battery information, hose replacement sizes, brake lining dimensions and lamp candle-power and voltage—in fact the answer to almost any question that may arise.

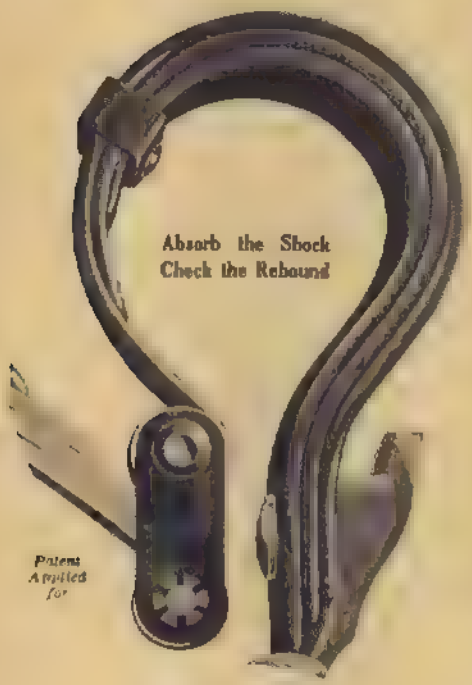
He has, as well, a complete list of manufacturers who can supply him with the parts he needs to aid him in buying satisfactorily.

Get a copy of the January issue. It will be five dollars well spent.

Chilton Automobile Directory

Market and 49th Streets
Philadelphia, Pa.

GREY GOOSE



Offers You an Unusual SALES AGENCY on the Easiest Riding-Fastest Selling Absorber on the Market

with exclusive control of City, County or larger Territory

WRITE or WIRE

INDIANA PARTS CO. Dept 25 Richmond, Ind.

They Look Like a Part of the Car and Give the Riding Effect of a Much Longer Wheel-base

ABSORBERS

for Fords

THIS SYMBOL IN ANY ADVERTISEMENT MEANS: SEE "CHILTON AUTOMOBILE DIRECTORY" FOR COMPLETE BUYING INFORMATION

K-D Drum Shape Head and Side Lamps

—1923's Biggest Seller and Profit Maker

These Lamps are in nation-wide demand. Their sturdy construction and beautiful finish are only equaled by their reasonable prices and genuine service.

Stock up now. The K-D Line of Automobile Lamps is ready to help you make bigger profits and quicker sales in 1923.

Write for Illustrated Catalog With Prices and Discounts

No. 23

Electric Side Lamp

Drum shape, use in connection with either No. 8 or No. 9 Head Lamps. Body drawn in one piece from heavy gauge metal, all plated parts BRASS, rustproof. Reflector highly polished and plated brass. Finished in either ALL NICKEL or BLACK body with nickel-plated door

Price per Pair, All Nickel Finish . $6.50
Price per Pair, Black and Nickel Finish $5.50

No. 9 Drum Shape Head Lamp for Ford Cars

Body drawn in one piece from heavy gauge metal. All plated parts BRASS, rustproof. Adjustable either up or down on car. Reflector is parabola shape, highly polished and plated BRASS

Finished in either ALL NICKEL or BLACK AND NICKEL.

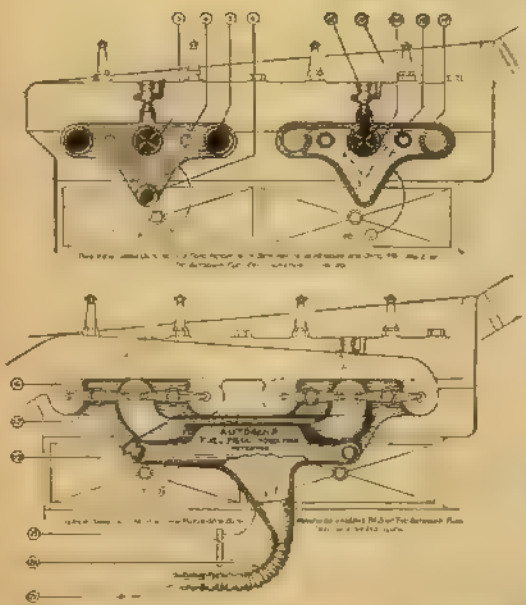
Price per Pair, All Nickel Finish . . . $15.00
Price per Pair, Black and Nickel Finish $16.00

K-D Lamp Company

CINCINNATI, OHIO

AUTOQUIP Fuel Fractionator

for Ford Cars



Placed close to the intake valves of the Ford motor, the spiral blades of the Fractionator produce a pressure vacuum.

This vacuum, in combination with the heated blades and heated aluminum walls of the Fractionator, generate an intensely explosive vapor.

Every atom of gas is thus transformed into power. Carbon is practically eliminated. Motor vibration eliminated by the delivery of the same homogeneous vapor to each cylinder. Radiators will not boil. An increase of gasoline mileage of 33⅓% follows—and *is so guaranteed.* Retails at $10.00.

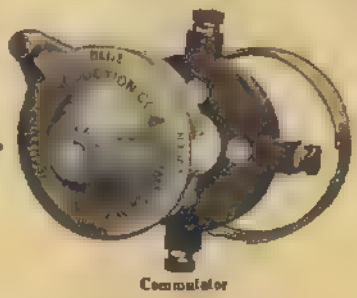
Liberal Discounts to Trade

Distributors Wanted

Autoquip Mfg Co.

495 St. Paul Street
Rochester New York

The New "LIFE TIMER" for Fords



The service obtainable from a "Life Timer" extends over the life of the car. For all parts are replaceable at a nominal cost.

LOW PRICE OF REPLACEMENTS

Case	$0.40
Retaining Ring	.20
Reversible Commutator	.60
Contact Arm or Rotor	.30

Has a Reversible Commutator

Price $1.50 In "Life Timers" your customers have, to all intents and purposes, two separate timers. When one side of the commutator becomes worn, simply reverse it and make a practically new timer. No oil required. Short circuiting is impossible, and a fat, hot spark is always certain.

This high-quality product, at its low price, is a money-maker. Write for our proposition.

The Contact Arm or Rotor

Die cast arm is reinforced with a torsion [illegible] Metal contact button held in union with commutator by a coil spring of imported piano wire.

Mechanical Production Company, Milwaukee, Wisconsin

"UNIQ" Replacement Running-Boards

For All Cars

Renew the Appearance of Old Cars and Increase Their Re-Sale Value

We supply the boards completely trimmed, bolts inserted, ready to attach to the car.

We guarantee them to match original equipment and to be at least equal in quality and finish.

Our large output enables us to give you a high-grade assembly at minimum cost so that you can re-sell at a reasonable price and still net a substantial profit.

Remember, a shabby board means a shabby car.

Renew with "UNIQ" Running-Boards.

We invite inquiries from car-dealers, trimshops and supply dealers.

The C. Spiro Mfg. Company
68-72 E. 131st St., New York City

TRADE A B C MARK

A B C Racer

OVER 500,000 MOTOR CAR OWNERS

are being told about A B C Custom Built Bodies. This advertising, together with the durability, beauty of design and finish is producing a constant increase in the sale of A B C Bodies.

If you are interested in laying the foundation of an increasing and satisfactory body business, you'll want to hook up with A B C.

For Catalog and dealer plan, use the coupon.

AUTOMOTIVE BODY CO.
551 Washington Blvd.
CHICAGO ILLINOIS

Please send complete dealer information on snappy A B C Bodies.

Name . . . . . .

Address. . . . . .

City . . . . . State . . . . .

THIS SYMBOL IN ANY ADVERTISEMENT MEANS. SEE "CHILTON AUTOMOBILE DIRECTORY" FOR COMPLETE BUYING INFORMATION

Algonquin Ignitor

FOR

ALL FORDS

New

OR

Old Models

PRICE COMPLETE

$10.75

Type F. I.

No Ignition Troubles to Worry About With the Advent of Winter

Easier and Quicker Starting

More Pep and Power

Simple Installation

Dealers increasing their profits and making hosts of satisfied customers by selling ALGONQUIN IGNITORS.

LIBERAL DISCOUNTS

Dealers: Write for proposition. Some desirable sales territory still open.

Car Owners: Can order direct if dealer does not carry. Include postage and give your dealer's name

ALGONQUIN ELECTRIC MANUFACTURING CORPORATION

POUGHKEEPSIE, N. Y.

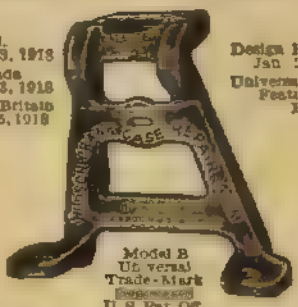
15 or 20 Minutes

of your time is all it takes if you use a

(Hudson) Crankcase Repair Arm

Pat. U. S. April 29, 1918
Pat. Canada May 13, 1918
Pat. Gt. Britain April 25, 1918

Design Patented Jan 21, 1921
Universal Feature Patented



Model B
Universal
Trade-Mark
U. S. Pat. Off.

If you do it the old way by tearing down the motor and welding a new arm in place it is an ALL DAY JOB that costs from $20.00 to $30.00.

Just jack up the motor, loosen four bolts—slip crank case repair arm in place and tighten bolts and the motor is held as securely in place as it was the day the car was assembled. That's all there is to it.

SALES APPROACHING 2,000,000

Hudson Motor Specialties Company

S. E. Corner Market and 21st Streets
Philadelphia, Pa.

ARE YOU CHANGING FORD TRANSMISSION BANDS THE NEW WAY?

Just unbolt slip-out section—slip out old bands—slip in new and replace section, time twenty minutes, and an occasional expense of 50c from time to time as the lining wears out

No tying up of car; can be done on the road by anyone.

Positive Oiling Feature Incorporated in the HUDCO-FORD

The removal of a plug permits of easy examination and cleaning of the oil line.

HUDCO-FORD

Trade-Mark

Double Feature Transmission Cover
Price for a Limited Time

$10.00

West of Rockies, $12.00

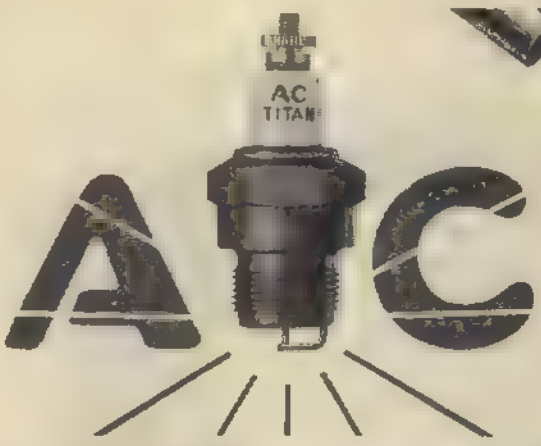
We Want Service Stations and Agents With Ford Cars

HUDCO-FORD Company of America

Trade-Mark

Affiliated With Hudson Motor Specialties Co.

Office and Salesrooms:
S. E. Corner Market and 21st Sts.
Philadelphia, Pa.



AC

How You Can Get the Most Business From Ford Drivers!

There are a large number of Fords in your locality, and most of them need spark plugs frequently. The only way for you to get a lion's share of this enormous replacement business is by offering something better. No Ford driver is interested in changing brands, unless he gets better plugs, but for these he is looking—AC 1075's are not only better, they are the best.

They may sell for a trifle more than ordinary plugs for Fords; but, built as they are to end most motor ills, they are more than worth the difference, and they afford you a fair margin of profit.

You can, therefore, replace at a good profit the plugs on Fords, simply by showing their drivers why AC 1075's—as illustrated—have the biggest advantages of any plugs ever made for the requirements of Ford engines.

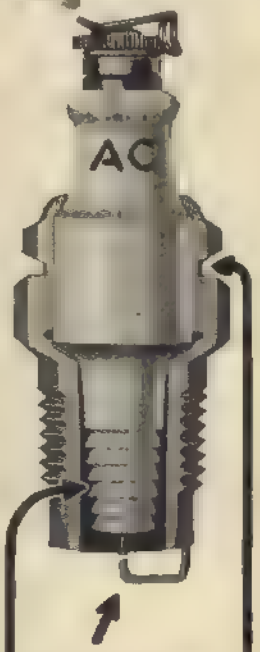
A nation-wide advertising campaign has been started and will be carried on throughout the year to tell Ford owners everywhere of this better plug for Ford engines.

Put an AC 1075 Quick Seller on your counter. It makes a special department of your Ford plug business, holds your stock conveniently, ties up with AC national advertising, and acts as a constant reminder to the Ford driver that AC 1075's are the plugs he should use.

You are overlooking the biggest field of profit in spark-plug selling, if you are not yet pushing AC 1075's among Ford drivers.

AC Spark Plug Company, FLINT, *Michigan*

U. S. Pat. No. 1,186,727, April 18, 1916
U. S. Pat. No. 1,216,138, Feb. 13, 1917
Other Patents Pending



Spring terminal clip permits wire to be instantly detached and reconnected while motor is running. Facilitates testing spark plug and coil. No nut to be unscrewed or lost

New electrode design forms a natural drain so that no oil can lodge in spark gap.

Unscrew this bushing and plug comes apart. Notice compact porcelain to withstand hard

Patented CARBON PROOF porcelain with its high temperature fins attains sufficient heat to burn oil deposits, thus offering effective resistance to carbon.

THIS SYMBOL IN ANY ADVERTISEMENT MEANS: SEE "CHILTON AUTOMOBILE DIRECTORY" FOR COMPLETE BUYING INFORMATION

THE HOIST

When you lift—you naturally want to do the work smoothly, rapidly, and absolutely safely. For years we have devoted our experience and time in producing such hoists.

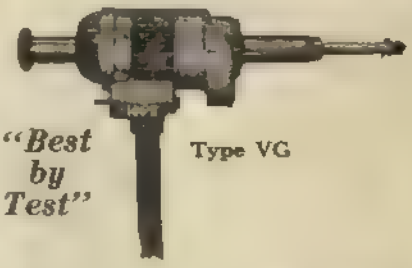
We would like to quote you.

Have you our prices?

WRIGHT MANUFACTURING COMPANY

LISBON, OHIO, U. S. A.

A SLOW SPEED GRINDER



"Best by Test"

Type VG

Will grind valves four times as rapidly, also more satisfactorily than can be done by hand. The U. S. Valve Grinder can be attached to any light socket in your place of business or in your customer's garage and it will serve you indefinitely.

Catalogue 20-M mailed upon request, describes this and other U. S. Motor Service products—drills, grinders, tire pumps, and tire buffers.

The United States Electrical Tool Co.
CINCINNATI, OHIO

ELEKTRA
ASBESTOS FRICTION

Asbestos Friction

This brake lining has a very high co-efficient of friction which gives it the greatest factor of safety in the operation of

Brakes and Clutches

Elektra Asbestos Friction is a marvel for long wear. Its grip does not decrease in value until the facing has been brought down in bulk through its long period of usefulness.

It gives more satisfaction and lasts longer than any other facing. This has been demonstrated in tens of thousands of instances.

Elektra Asbestos Friction is essentially right for manufacturers' use. Band lining rings and cones for clutches are accurately formed to shape and size.

Let us tell you more about this leader in the facing market.

F. L. HORTON CORPORATION BOSTON & WORCESTER

F. L. Horton Corporation
739 Boylston Street
Boston, Mass.
Factory
Worcester Mass.

When you want a *GOOD*, Plain Snap Ring, insist on getting

KEYS SNAPPY
TRADE MARK

PISTON RINGS

"Keep the Motor Snappy"

KEYS PISTON RING CO.
3018 OLIVE ST., ST. LOUIS, MO.
U. S. A.

Why not 10 Gallons Instead of Five?

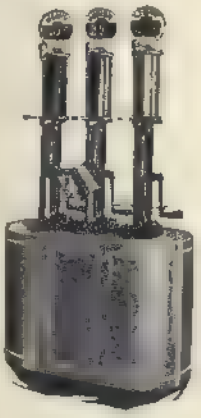
It's just as easy to sell ten with this 10 Gallon American Visible Pump—and your SALES and PROFITS are both increased. And it SAVES your customer ANOTHER STOP.

American Visible Curb Pump

The 10 gallon pump has all of those desirable features and superior qualities that have made the American Visible the leader among visible pumps.

Its action is positive and quick it is hand operated, absolutely safe –no danger from breakage, fire or explosion. All the gasoline is filtered, and an accurate meter, furnished without extra charge, registers all gasoline pumped into container.

Write us for full information and our VERY REASONABLE PRICES.



American Visible Lubricating Outfit

Serves clean oil *quickly.* Pump forces oil into measure—no dripping—no waiting for gravity flow. Holds three grades of oil—mounted on casters to roll in and out of garage. Convenient, attractive and more than *doubles* the sales of oil.

PUMP No. 494-V

CONTAINERS

Either five or ten gallon visible containers for other makes of pumps furnished complete with full instructions for attaching.

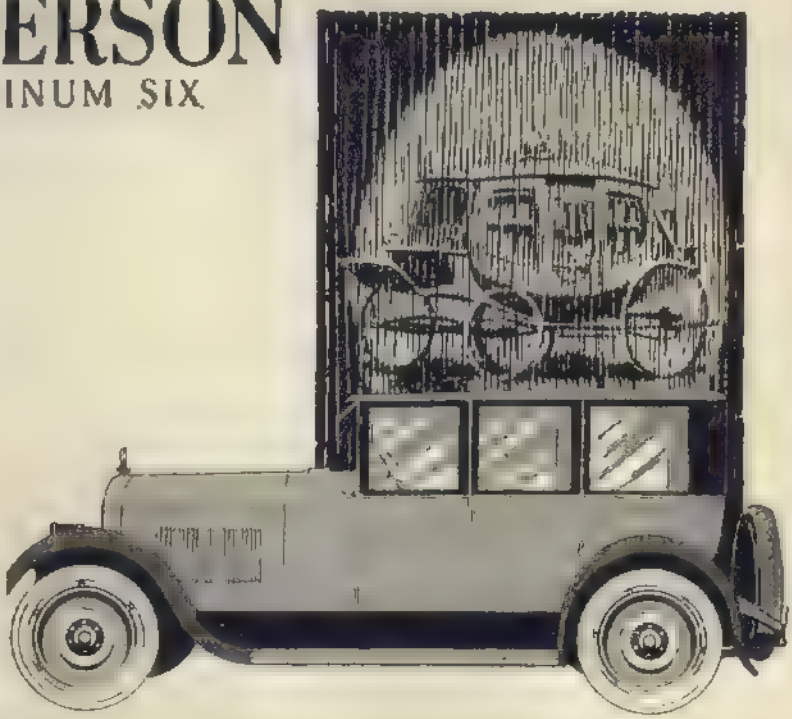
The American Oil Pump & Tank Co.

1137 Findlay Street **Cincinnati, Ohio**

The Coachbilt

ANDERSON

ALUMINUM SIX



A Thoroughbred—

The world's lowest priced car with an aluminum body. Anderson coachwork thruout. Six cylinder Red Seal Continental motor; Westinghouse starting, lighting and ignition; Borg & Beck clutch; cord tires; Alemite lubrication; snubbers; Moto-meter; windshield shade; foot dimmer for headlights; cowl ventilator; foot rest. Averages 19 miles per gallon of gas. Wheelbase 115 inches

Ask about the direct-with-factory contract with maximum discount

ANDERSON MOTOR CO.
Rock Hill, S. C.

The Sedan Only

$1695

Touring Car, $1195
Coach, $1495
Sport Touring, $1445
Sport Sedan, $1895

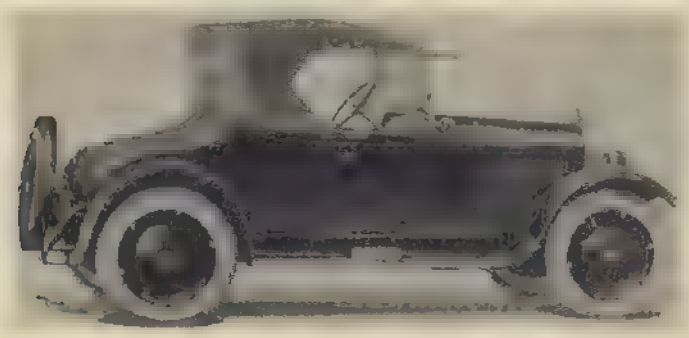
F. o. b. factory

Buick Introduces Four Sport Model

THE exhibit of Buick cars introduced a sport roadster model mounted on the 4-cylinder chassis, illustration of which appears herewith. It is smartly trimmed with nickel, including radiator, windshield wiper, emergency brake lever, gear shift lever, running board guard plates, deck rails, etc. It is equipped with drum headlights and cowl lights, Moto-Meter with special radiator cap, adjustable windshield wings and rear vision mirror, also a ventilator. This new model uses the standard 4-cylinder chassis of 109-in. wheelbase and has tires 31 x 4 in. It is known as Model 39 and lists at $1025 f.o.b. the factory. The steering wheel is walnut. Door pockets provide storage space for the side curtains, and a large compartment for packages is in back of driver's seat. A luggage compartment is also located in rear deck.

The engine of the 4-cylinder chassis has a new feature in connection with the camshaft to reduce noise at low engine speeds. This feature is described elsewhere in this issue.

Improvements in the Buick Six are to be noticed as follows: Wheels are made stronger, the rear springs are longer and the pivot has been moved toward the rear, stronger frame, higher radiator, gear-set lock, standard on all Buicks, full force feed lubrication of the engine to all bearings and the use of composition push rods of steel and aluminum, so calculated that their elongation under heat exactly compensates for cylinder expansion, thus maintaining valve clearances constant under all running conditions. This latter feature makes it possible to give the proper running clearance in the valve mechanism when the engine is cold.



Buick Four-Cylinder Sport Model, Two-Passenger Roadster Which Lists at $1025.

Wills St. Claire Introduces Two New Models

The C. H. Wills & Co., of Marysville, Mich., exhibited two new open models on a longer wheelbase chassis, namely, 127-in. These models are the 7-passenger touring car listing at $2790, and the Gray Goose Special, 4-passenger, close-coupled model listing at $2875. This latter model comes with the trunk mounted at the rear, tonneau windshield and visor. The bodies are Fisher make and the top on the 7-passenger is of the permanent type. The 4-passenger model was exhibited at the show and the 7-passenger at the New York agency.

The Wills Sainte Claire Gray Goose Special

This is a car for touring and general practical use. It is mounted on the 127-in. wheelbase chassis. It is of the close-coupled type and accommodates four passengers.

NEW CARS AND MODELS

Haynes Exhibits New 57 Sport Brougham

In addition to the other new models of the Haynes cars described recently, the Haynes Automobile Co., of Kokomo, Ind., introduced the new Haynes 57 sport brougham, a 5-passenger enclosed job with all modern refinements and equipment, which includes bumpers, head lamps and cowl lamps, etc. Other features of the equipment are six disk wheels with six cord tires, the spare wheels being mounted on either side, individual steps, full crowned fenders, a trunk and trunk rack at the rear with polished bars on the rear of the body, visor, etc. The equipment in the interior includes vanity set, smoking set, dome light, heater, window regulator, curtains, floor carpet and such appointments. This model is mounted on the 121-in. wheelbase chassis

The Haynes 57 Sport Brougham

This is a new 5-passenger sport brougham model exhibited for the first time.

Hupp Introduces Three New Models

Three new models were announced by the Hupp Motor Car Corp., of Detroit, in the New York Show and two of these were on exhibition. These new models are the special touring, Model "RS", the special roadster, Model "RRS", and the standard coupe. The latter is built along usual Hupmobile lines and the two first mentioned with special equipment. There are many attractive features of the finish and equipment which enhance the appearance of these two models. Disk wheels are used in an attractive color combination, and equipment includes imported Burbank top, aluminum scuff plates, nickel plated radiator, radiator cap and bar, cowl lamps and drum headlights.

The roadster, in addition to having these features, has nickel plated bars on the rear deck. These models are mounted on the standard Hupmobile chassis of 113-in wheelbase, powered by a 4 cylinder engine, 3¼ x 5 in. The coupe model is a practical, small enclosed car with standard finish

The Hupp Special Models

The accompanying illustrations are the special roadster and the special touring car, two of the three new models introduced in the Hupmobile line.

splash with pressure gage on the dash and cooling is by the thermo syphon system with a cellular radiator. The carburetor equipment is a Zenith with hot air attachment, and the ignition, lighting and starting systems are Auto-Lite make.

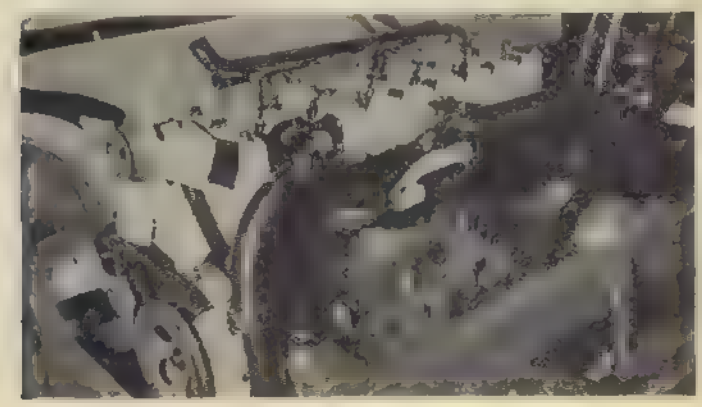
Front axle is an I-section and the rear is ¾-floating with bevel gears and a four-pinion differential. The gear ratio is 4.7:1. Both brakes operate on rear wheel drums, 12 in. in diam. The wheels are disk wood equipped with Firestone demountable rims and tires 30 x 3½ in.

The springs, as shown in the illustrations, are what is referred to as the reverse cantilever type, this construction being used both front and rear. The frame is pressed steel 4 in. deep, with 1½-in. flanges. The gasoline supply tank is mounted at the rear of the chassis and fuel is fed by the Stewart Warner vacuum system. Fenders are full crown and aluminum steps are provided.

Chandler Models Improved

THE 1923 line of Chandler cars present a number of improvements and mechanical changes so that the chassis may be termed a new one. The power plant has been redesigned, and while the bore and stroke remain the same, there are a number of improvements which result in better performance. Among the alterations are the cylinders being cast in block and the reconstruction of the combustion chamber, which makes it practical to increase the compression 13 lb., or to 84. The combustion chamber approaches the Ricardo type, the piston coming close to the head over a considerable part of its area, and the clearance space tends toward hemispherical in form and about one-half of the volume is directly over the valve in the L. The valves are slightly inclined so that considerable turbulence is set up at the time of ignition. These features and an improved piston design keep piston temperatures low, check carbon formation and, it is claimed, eliminate detonation.

The crankshaft is mounted on four bearings, instead of three, is 20 lb. heavier, and the diameters at bearing points increased The entire crankshaft support has been stiffened. The main bearings are heavy bronze backed and are line bored in the crankcase, with the latter bolted to the cylinder block. The camshaft and crankpin bearings have been increased in size. The crankcase is deeper and has been strengthened by webs and four main bearing bridges. A new feature is the provision for easy draining of the crankcase, the drain plug having an extension and a valve with handle under the hood, making for accessibility. The oil pump



Above: The Chandler Four-Passenger Royal Dispatch Which Mounts Spare Wheels Forward on Either Side.

Left: The New Chandler Power Plant

This illustration shows the new engine used in Chandler cars. The cylinders are now cast in block and have a detachable head, having formerly been cast in threes and with solid heads. Portions of the engine are cut away to show the interior construction.

is more accessible, is of the gear type, and is bolted to the left side of the crankcase. The camshaft, pump, generator, etc., are driven by a single Morse chain, having an eccentric on the outside for adjustment. The cooling fan now has six blades and is driven by a V-belt at a lower speed than formerly. The Bosch battery system is now used for ignition with magneto listed as extra price equipment.

A lower front axle is used. Taper roller bearings are mounted in the steering spindles and ball joints, while springs on the tie rod make steering easier.

While the design of the bodies is similar to last year many detail refinements appear. The 5 and 7-passenger models have seats greater in depth in the front and rear compartments. The Chandler Royal Dispatch, the sport model which is illustrated herewith, has a single-piece windshield and is equipped with side wings. It has individual steps with a grid-like arrangement of six bars connecting the two steps on each side. The touring car and the Chummy sedan, which was described in our last issue, both have ¾ running-boards and individual front fenders. The 7-passenger sedan and the 4-passenger touring roadster have individual steps, as does also the Metropolitan sedan, but these do not have the connecting grid feature.

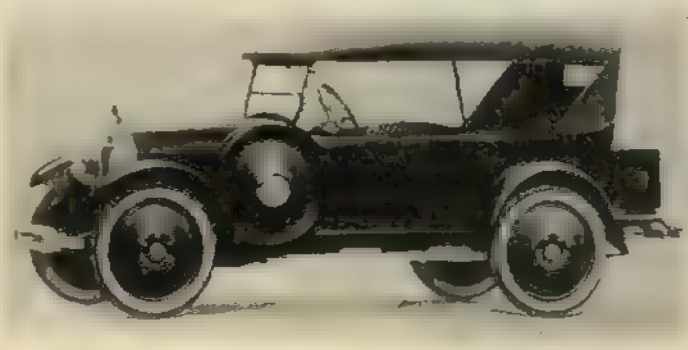
The Royal Despatch, 4-passenger sport model, is an attractive model. It has a clear-vision khaki-top and spare wheels, mounted close to the front fenders. Disk wheels and oversize cord tires are standard equipment. Trunk rack and body bars are polished aluminum. The upholstery is Spanish leather gray green color and the instrument board is mahogany.

Nash Introduces Two New Models

A 4-cylinder sport model and a 6-cylinder 4-door coupe were introduced at the show by the Nash Motors Co., of Kenosha, Wis. The sport phaeton 4-cylinder lists at $1195

The 6-cylinder coupe is equipped with five disk wheels and is finished in maroon with black running gear. It mounts a trunk and rack at the rear of the body which is protected by guard strips. The equipment includes a heater, robe rail, foot rest and windshield wiper and interior appointments include vase, smoking set, lights, and vanity case. The upholstery is mohair.

The 4-cylinder sport model carries 5 disk wheels and mounts a trunk at the rear of the car. There are bumpers front and rear. Many of the parts are nickel trimmed including such items as Moto-Meter, windshield standards, drum type headlights, radiator shell, etc. Upholstery is Spanish leather.



Two New Nash Models

These illustrations show the two new Nash models which were introduced at the show. These are the special phaeton on the 4-cylinder chassis and the 6-cylinder 4-door coupe.

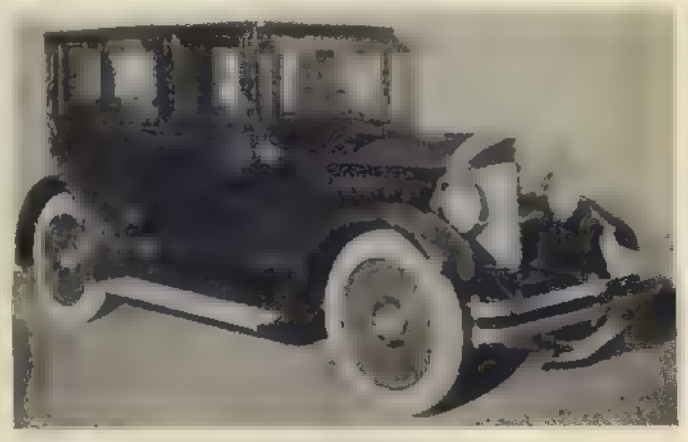
NEW CARS AND MODELS

Handley Introduces Two New Sixes

THE display at the New York Show of two distinct 6-cylinder chassis, powered by valve-in-head engines, by the Handley Motors, Inc., of Kalamazoo, Mich., came as a surprise to the trade. The smaller six is known as the 6-40 and is powered by an engine 3⅛ x 4¼ in., and the larger one is known as the 6-60 Deluxe and is powered by an engine 3⅜ x 5 in. The wheelbases respectively are 115 in. and 125 in. On the smaller chassis are the 4-passenger open model, the 2-passenger roadster and 2- and 5-passenger enclosed models.

The 6-40 engine is of the high speed type with cylinders cast in block, with a detachable head. The crankshaft has 3 main bearings and the engine is lubricated by force feed. The clutch is a dry disk and the gear set is of conventional design. The electrical equipment is 2-unit, 6-volt. Drive and torque are taken through the springs. The front axle is an I-beam and the rear is equipped with Timken bearings, and is sturdily constructed. The frame is a heavy section channel steel, strongly cross braced and reinforced. The springs are semi-elliptic all around, 37½ x 2 in. and 57¼ x 2 in. Novel spring shackles are used, these being of a special fabric composition and known as the Belflex type. They have no shackle plates or bolts. The service brakes operate on rear wheel drums and the emergency on the propeller shaft back of the gear set. The steering gear is of the sliding-block type and has an 18-in. wheel. Tires are 34 x 4½ in., non-skid cords. Steel disk wheels are used.

Cooling of the engine is by the thermo-syphon system, and the radiator is of the V-type with cooling assisted by a fan. The 15-gal. fuel tank is mounted at the rear of the chassis with fuel fed by the vacuum system. Equipment includes nickel-trimmed head, side and tail lights of the same design, Moto-Meter, windshield wiper, and all the usual instruments mounted on the instrument board. The tire carrier is so constructed that it accommodates two tires.



Above: The Handley 6-40 Sedan
An entirely new light six introduced in addition to the big six

Left: The Handley 6-60 Touring Car Which Lists at $2150 and is an Entirely New Car.

The large model, known as the 6-60 Deluxe, does not have the pointed radiator used on the smaller six. It has an especially attractive finish, which together with the nickel radiator shell, large headlights, and full crowned fenders, help to enhance the general appearance. The frame is deep and rigid and the springs are long and wide, which helps make this car strong and easy riding. The bodies on the chassis are the 7-passenger

touring, the 7-passenger sedan and the 4-passenger sedan-coupe. The touring model has an ash frame and aluminum body and is upholstered in genuine leather. The body is finished in blue and the chassis and fenders in black, with the wheels dark blue. The top edge of the tonneau on the 7-passenger touring car is trimmed with polished aluminum. The use of aluminum is noticeable at other points such as the side rails, the steering wheel quadrant, crankcase, valve cover and hub caps. The sedan is a roomy car and has broadcloth upholstery, silk shades, satin-silver finished fixtures, domelight and quarter lights, toilet set and smoking outfit, and the doors are wide. A Perfection heater is built-in. This body is also of aluminum.

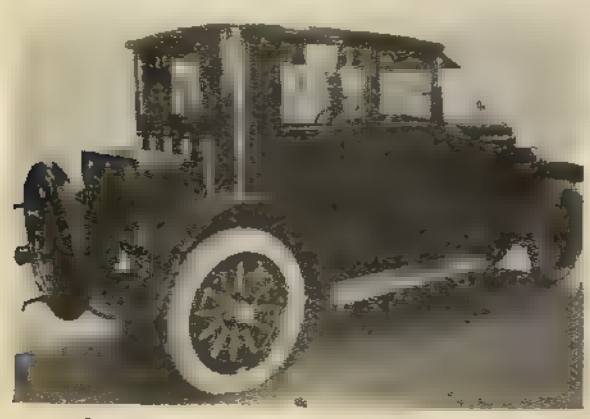
The power plant of this large 6-cylinder car has the engine, clutch and gear set in a unit. The crankshaft diameter is 2½ in. Pistons are gray iron, reinforced, and the valves in the detachable head are alloy steel 1½-in. in diameter. Push rods are enclosed inside the cylinder block and the entire valve mechanism is lubricated by a bath of oil. A feature of the engine is the lubricating system. There is a self-priming oil pump which forces oil to all bearing surfaces, with pressure automatically regulated according to the load on the engine. The manifolds are on the left side of the engine and on the right side is the water pump and electrical units. The drive shaft is tubular and has two universal joints. The Hotchkiss form of drive is used. The rear axle is semi-floating with Timken bearings. Both brakes operate on the rear wheel drums, 15½ x 2½ in. Chassis lubrication is by special oil cups and Empress gun, which forces the oil or light lubricating grease throughout bearing surfaces under a high pressure. Springs are semi-elliptic all around and the channels and shackle bolts are extra large. The gasoline tank is mounted at the rear, with fuel feed by the vacuum system.

The springs measure 38 x 2¼ in. on the front and 60 x 2¼ rear. The 6-40 cars list as follows: runabout, $1350; 4-passenger open model, $1350; coupe, $1750; sedan, $1750. The 6-60 open cars list at $2150, and the closed cars at $2850.

King Sedanette

ONE of the outstanding models at the King exhibit was the Model L Sedanette, a 5-passenger enclosed car on the 124-in. wheelbase chassis. This model lists at $2295 and the other models on this chassis range from $1795 for the touring car up to $2625 for the sedan. Complete equipment is a feature of all models on this chassis. The body color of the sedanette is blue, similar to the coupe and sedan. The other models come in blue or maroon, carmine or khaki, and the sportster in sport colors. There are seven models on the 124-in. wheelbase chassis and the same number on the 120-in chassis, known as the Model LL.

The King Sedanette is a 4-5-passenger body with the upper part of the body of sheet metal. At the rear is a trunk with suit cases and mounted on a rack. The windows operate by cranks. A cowl ventilator is used and the leather-covered visor adds to the comfort of the passengers. The headlights are drum type and there are miniature side lights. Front bumper, snubbers all around, windshield cleaner, and a spare tire with tube and cover, a Moto-Meter and mirror are features of the equipment. The lower half of windshield is stationary. The floors are carpeted and rear window has a roller curtain. Upholstery is broadcloth and the appointments have satin silver finish. A silent chain with the Link Belt pulley is used at the front end of the engine.



The King Sedanette

The Sedanette on the 124-in. wheelbase chassis comes completely equipped as shown. This body is in the nature of a two-door sport sedan and the trunk, bumper, visor, etc., are included in the price which is $2295. The body is finished in blue.

Mitchell Improved for 1923

A COMPLETE line of new bodies and refinements in chassis was shown by the Mitchell Motors Co., Inc., Racine, Wis. The new bodies have round lines instead of the square, as were used last year, and the V-shaped windshield has given place to the straight. The closed models have a lath type of top instead of the veneer to eliminate the possibility of rumbling noises. Bodies and fenders are constructed of 18-gage metal

The engine presents new features. The crankshaft is interesting in that it is an advance in forging, the counterweights being forged integral. It is a three-bearing shaft, and each bearing is checked with an indicator. The engine develops 50 hp. at 2000 r.p.m., but the peak is attained at 2060 r.p.m., with 52.4 hp. Statement is made that due to the design of crankshaft that the engine can be throttled down to 1½ m.p.h. on high gear, at which speed the shaft makes but 67 r.p.m

Another improvement is the employment of oilless bushings in the transmission hanger links. More sturdy hub spring saddles are used. A new feature is a one-piece, drop-forged flange and axleshaft with Timken roller bearings. The design provides an unusual factor of safety. The axle design is noticeable for its sturdiness and the absence of keys in the shaft. The transmission case is now equipped with a lubrication plug for indicating proper level of the lubricant.

The frame in this car has seven cross-members and the rear cantilever springs are stated to be exclusively designed. Shock absorbers are supplied for the front and rear.

Standard equipment on all De Luxe models includes front and rear double-bar nickel bumpers; spare tire, tube and cover; cowl lights; cowl ventilator; windshield wiper; rear view mirror; combination tail and stop signal; aluminum step plates De Luxe Moto-Meter and bar radiator cap

One of the Open Models in the Mitchell F-50 Line for 1923 Which Features Full Equipment.

Standard colors of the new F-50 Mitchell are blue with gold striping and maroon with white striping. All painting and trimming of the coachwork is executed complete in a new Mitchell paint shop.

Oakland to Continue Performance Guarantee

The "performance" guarantee on all Oakland models is to be continued through 1923 by the Oakland Motor Car Co., so successful has the plan proven through 1922. It is estimated that the guarantee inaugurated over a year ago will cost the company only one cent a car to back up.

One of the Open Cars in New Tarkington Line

This illustration shows the touring model in the Tarkington line just being put on the market by the Tarkington Motor Car Co., of Rockford, Ill. Details of this car will be published in an early issue. It is powered by a six-cylinder engine. A news note of this new concern will be found in the news section.

INTERNATIONAL DEALER SUCCESS *Based on 5 Big Points*

1 —*A Complete Line of Quality Trucks*—International Motor Trucks are built in fourteen sizes, ranging from the 2,000-lb. Speed Truck to the 10,000-lb. heavy-duty model. There are Speed Sedans, Ambulances, Busses, Funeral Cars, Fire Trucks, Street Flushers, Power Sweepers, Oil Trucks, Dump Trucks, Lumber Units, Log Rollers, Tractor Trucks, and Hauling Units for every commercial purpose—a line offering the International dealer an unequaled sales opportunity.

2 —*A Liberal Financing Plan* — Our financing plan enables International Motor Truck dealers to do a large volume business on a comparatively small investment. It appeals at once to both the dealer and the prospective buyer.

3 —*Forceful Sales Promotion Campaign*—Our nation-wide advertising in leading general publications and farm papers is creating new business for the International Motor Truck dealer. A direct mail compaign is sent to a selected list of prospects in each territory. Bill posting (including the dealer's name) completes an advertising campaign that gets results for the dealer.

4 —*Personal Sales Help* —At each of the 93 branch houses of the Harvester Company there is a complete organization consisting of trained motor truck men. These men are always available to help the International dealer close sales. Our organization not only helps locate and develop new business but it directs that business to the dealer.

5 ## *Life Insurance for Transportation*

Each International Motor Truck carries an Inspection Service Policy which provides free inspection at regular intervals for the life of the truck. This Inspection Service is absolutely free to both dealer and user. Factory-trained road engineers make written reports to the owner and the dealer showing the exact condition of the truck. It is after-sale service like this which saves International owners many thousands of dollars every year and brings repeat business to the established International Motor Truck dealer.

WRITE or WIRE

International Motor Truck contract may be obtainable in your territory

Internat onal bu lt in stam na, power, and dependabi ity plus the five busi ness-builders in our contract mean success for the International dealer

INTERNATIONAL HARVESTER COMPANY

Chicago of America (Incorporated) U S A

NEW CARS AND MODELS

New Series Moon Car

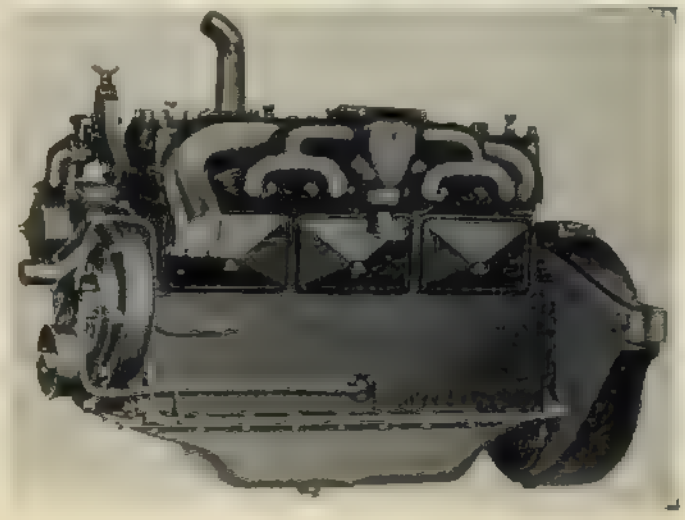
A NEW series of six-cylinder cars has been announced by the Moon Motor Car Co., of St. Louis, known as the Series "U" 6-40. It embodies refinements in the engine, manifolds, gear set and rear axle but retains the distinctive body lines and the familiar radiator contour. The outward appearance is identical with the cars in the previous series. The new series Moon, however, is powered with an improved Continental engine which has several refinements incorporated. There is a new type of connecting rod together with a spun bearing to ensure a perfect fit to the crank shaft and the pistons are a new type of casting machined by a new process. The bearings are spun on a centrifugal machine which gives a very dense bearing. Lubrication of the wrist pin has been improved by oil holes and grooves and the bearings and the crank shaft have been made extra deep. A new type of valve tappet is used and a new type of plunger and spring. Another feature of the Series "U" is the water manifold which controls the supply of water to the cylinders, assuring a more uniform temperature on the top of all the cylinders in hot or cold weather.

The intake manifold is improved, operating in connection with a hot exhaust thereby pre-heating the mixture on its way to the engine.

Another important change is in the rear axle. A new Timken axle of the centralized carrier type that permits the use of a flat bevel ring gear instead of the bell type is now used. The brakes are more efficient since the new design operates on the multiple leverage system and operates quickly and efficiently. The gearset gears are heavier and stronger and improvements have cut down the noise when the car is driven at high speed in second gear.

All models of the Series "U" are upholstered in genuine Spanish leather. The prices are as follows: Touring, $1295; sport touring, $1495; roadster, $1295; coupe, $1585; sedan, $1695; sport sedan, $1895.

The Moon Company is now going into quantity production on the new 6-40 and 6-50 coupe models. An accompanying illustration shows one of the new coupe models



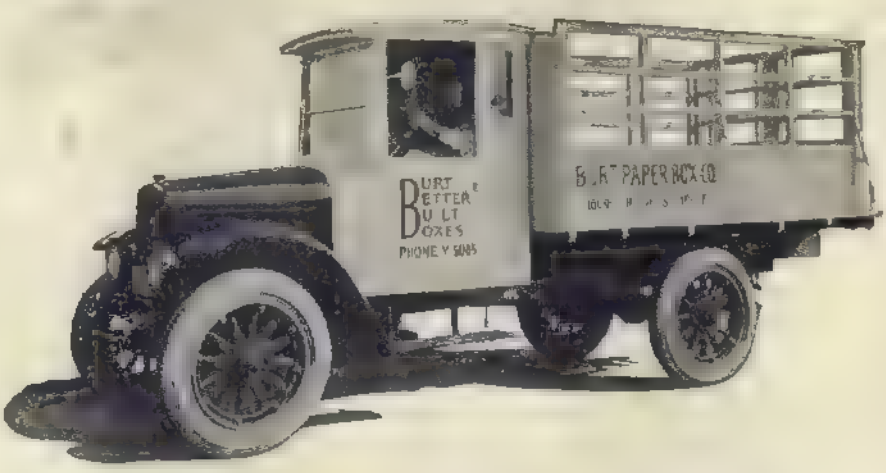
The Moon Coupe With Balloon Tires

This illustration show the new Moon coupe equipped with Balloon tires, these being optional on this model. The 6-58 sport touring model has Balloon tires as standard equipment.

Engine of the New Moon

New connecting rods, valve tappets, pistons, manifold, and a water control which keeps the engine at practically the same operating temperature in winter and summer are the outstanding features.

Dealers' Contracts Available at a Few Points. Write or Wire for Information.



International Speed Truck

is as profitable an asset as any merchant could have working for him. Famous for swift, dependable, low-cost hauling—for light delivery service—a snappy, constant advertiser for business. The International Speed Truck hauls 2,000-lb. loads, and can be fitted with regular and special bodies for all hauling needs. The International line of trucks ranges from this Speed Truck up to the 10,000-lb. heavy-duty truck.

All International Motor Trucks are protected in operation by the INTERNATIONAL FREE INSPECTION SERVICE POLICY, which guarantees expert inspection at regular intervals, for all trucks, and for the life of each.

Such a popular, complete line of trucks offers unusual opportunities for the enterprising dealer. It will be decidedly to your advantage to make inquiry regarding your territory. Get in touch with one of our 93 branch houses, or write or wire to the address below.

INTERNATIONAL HARVESTER COMPANY
OF AMERICA
(INCORPORATED)

606 So. Michigan Ave. Chicago, Ill.

NEW CARS AND MODELS

Other features of the open models are outside door handles, cowl ventilator, gasoline gage, foot and robe rails, lenses, windshield wiper, etc. The tops are khaki material. The 5-passenger and roadster sport models have front and rear bumpers, rear view mirror, Moto-Meter and bar radiator cap, visor, windshield wings and scuff plates.

Oakland Touring Car Front Compartment

The convenience of the controls is well illustrated. The ignition, throttle, choke, headlight (bright, off and dim), and the horn controls are in the center of the steering wheel. Speedometer, oil, and ammeter readings are under the single glass, and are illuminated by a light beneath

The roadster has the luggage compartment in the rear deck and a small package compartment in back of the seat. The sedan has silk velour upholstery and door locks. Windows are controlled by regulators. The sedan also has a heater, silk shades, dome light, etc. The 4-passenger coupe has a staggered seating arrangement and an auxiliary seat of the folding type facing forward at the driver's right.

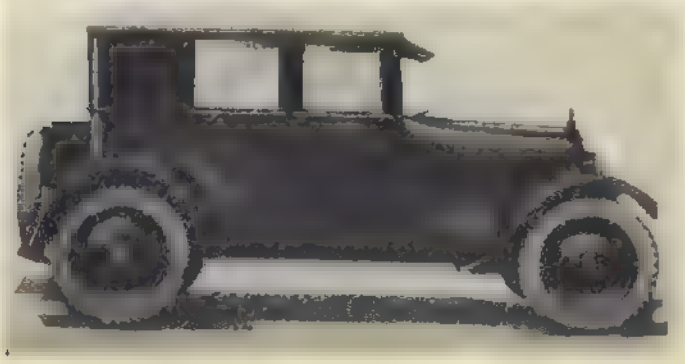
The business coupe has a black leather upholstery that is very durable and the upper interior is blue automobile cloth. It accommodates three-passengers and has generous luggage compartments.

One of the features of the new Oakland car is the controls. All the instruments are grouped under a single glass on the dash and the control levers are in the center of the steering wheel. A concealed dash light illuminates the instruments under the dash.

The prices of the new Oakland models are as follows: Standard touring and roadster, $945; sport touring and sport roadster, $1095; business coupe, $1195; 4-passenger coupe, $1345; sedan, $1395.

The New Gardner Three Door Closed Model

The three door brougham just being introduced by the Gardner Motor Co., Inc., of St. Louis, accommodates five passengers and has a solid straight across front seat which accommodates two people, the rear accommodating three. The doors are wide and entrance and exit are thereby facilitated. There is ample space for five passengers even with the tire carrier and trunk mounted at the rear The body has a hardwood frame with 20-gage steel sheet panels. The roof is non-rumbling and the upholstery is 20-oz. all-wool cloth. The hardware is Colonial with silver finish. The door window lifts are rotary type and the doors are equipped with locks. The exterior finish is Lake color below the belt line and black above with black fenders and sheet metal parts. The windows and windshield are plate glass. The rear of the body has aluminum rails which add a touch of finish and protect the body. A gold stripe around the belt line of the body adds to the appearance. Standard wheel equipment is artillery type and anti-skid cord tires 32 x 4-in. are standard. It is mounted on the standard Gardner chassis.



The Gardner Three-Door Brougham

This new close-coupled, 5 passenger closed car in the Gardner line has three doors, two on the right side. The front seat extends straight across and accommodates two and the rear accommodates three passengers.

AUBURN

New 1924 Models

New Low Prices

A Wonderful Dealer Opportunity

The new 1924 Auburn line is attracting new buyers—just as it won Auburn distributors who viewed it several weeks ago. Reports from various parts of the country point to record-making increases in sales. Auburn is truly going strong!

There is something contagious about enthusiasm. And especially when founded upon an honest product, honestly made, rightly priced and generally appreciated.

New sales opportunities and larger profits are being opened up by the new 1924 line of Auburns. New values in automobiles are established. The Auburn Franchise is exceptional!

To those dealers who are looking ahead, Auburn offers outstanding advantages. Each Franchise is fully protected, written for dealers as well as the factory, and carries intensive factory co-operation far out of the ordinary.

Look over the prices below and write us for complete information.

Auburn Automobile Company
Auburn, Indiana

	OLD PRICE	NEW PRICE
6-43 Touring	$1165	$1095
6-43 Sport	New	$1325
6-43 Touring Coupe	$1535	$1495
6-43 Sedan	New	$1595

	OLD PRICE	NEW PRICE
6-63 Touring	$1725	$1595
6-63 Sport	$1985	$1850
6-63 Sedan	New	$2345

Freight and tax extra

AUBURN

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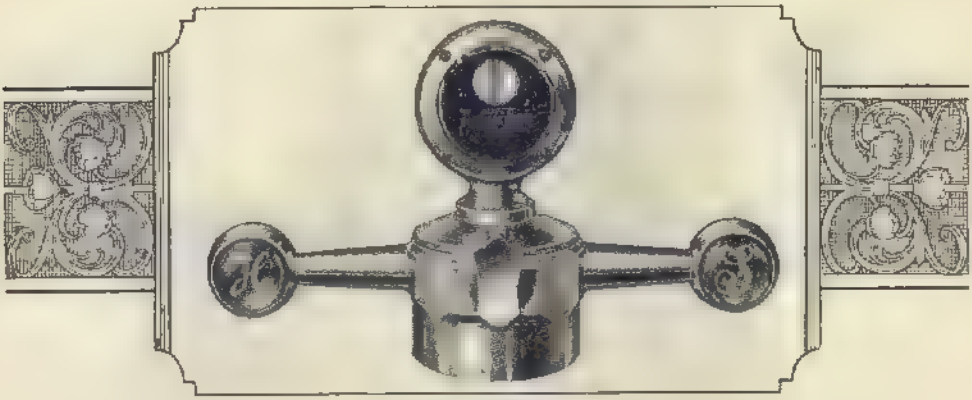
ANNOUNCING A NEW SALES POLICY



The Aristocrat Model

BOYCE MOTO METER

DESIGNED for installation on the Ford car—but it may now be adapted for use on such other good cars as:

OVERLAND		STAR
MAXWELL	CHEVROLET	GRAY

The Aristocrat Model BOYCE MOTO-METER as furnished by this company is for use on the Ford car. Your jobbers can now supply you with *special inserts* which will *instantly adapt* this model for use on all cars mentioned above.

Special Feature

Effective immediately, we will furnish with the Aristocrat Model, special name plates for the cars mentioned above—in any quantity without extra charge, when so ordered.

In addition, the post card packed with each Aristocrat Model BOYCE MOTO-METER will entitle the owner to his choice of initials or fraternal insignia, *without charge*, for inserting under the bull's-eyes at ends of the arms on the cap.

Ask your jobber for full particulars today, as this important change means that dealers will be able to very greatly *reduce their investment*, and at the same time *increase turnover*, which of course means *increased profits*.

Last Price
Aristocrat Model
Boyce Moto-Meter
for the Ford
$7 00 each

BOYCE MOTO METER

Your Car Deserves One

List Price
Special Adapters
50 cents each

To display the BOYCE MOTO-METER SERVICE STATION SIGN is to attract trade not only on our line but all other nationally known brands of automobile equipment. We earnestly solicit the support of every good dealer to use this means to build more prestige, both for himself and for us

Ask 'Em to Buy

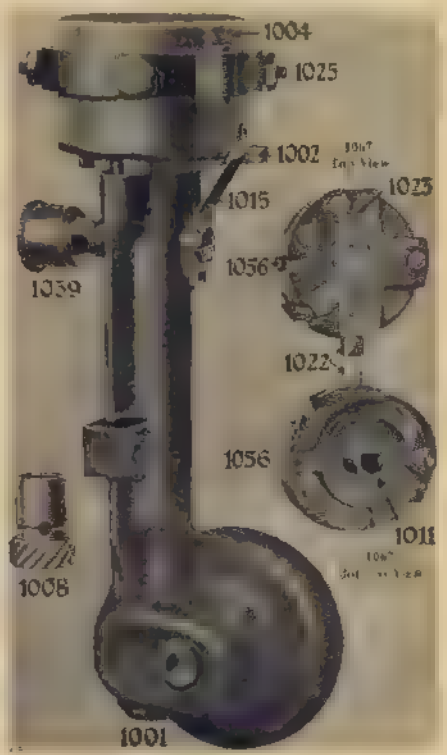
THIS SYMBOL IN ANY ADVERTISEMENT MEANS SEE "CHILTON AUTOMOBILE DIRECTORY" FOR COMPLETE BUYING INFORMATION

NEW PRODUCTS AT NEW YORK SHOW

Bullard Process Carburetor

Bullard Machine Tool Co
Bridgeport, Conn

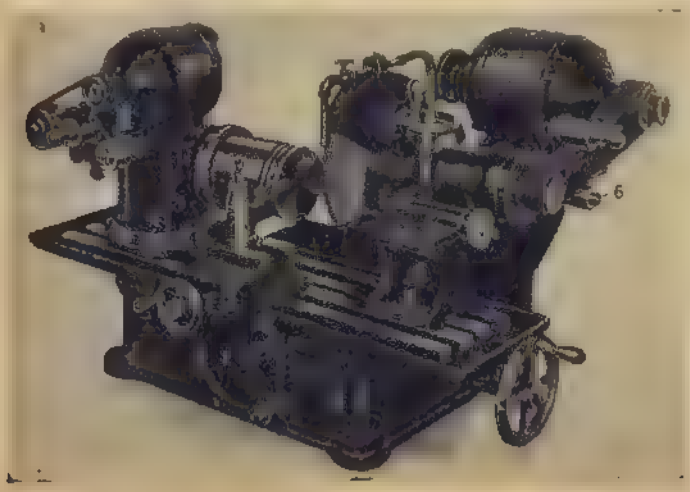
In this carburetor the liquid fuel is sprayed through an atomizer orifice where it is violently projected into a super-heated gasification chamber and there converted into a super-heated dry, hydrocarbon gas. The gasification chamber consists of a baffled passage, jacketed for surrounding circulation of hot exhaust gases. This chamber provides two stages of gasification for the fuel. The fuel in a dry, gaseous state is drawn through the main venturi and meets the air at this point. The air inlet valve is operated mechanically by connections to the throttle Air drawn in is taken directly from the atmosphere which provides a cool mixture and makes for high volumetric efficiency. It is stated no condensation takes place before compression or combustion occurs



K-W Timer

K-W Ignition Company
2811 Chester Ave., Cleveland

A new timer for Fords was exhibited by this concern, the installation of which requires no changes in the Ford. It lists at $6 and is stated to give unusual service without adjustment or replacement. All parts are tightly enclosed and the contact points are so made that oil cannot reach them. It is equipped with a grease cup which lubricates the drive shaft and the arm in which the brush is held is made of Bakelite.



Franklin T-G Grinder

Franklin Machine & Tool Company, Inc.
Springfield, Mass.

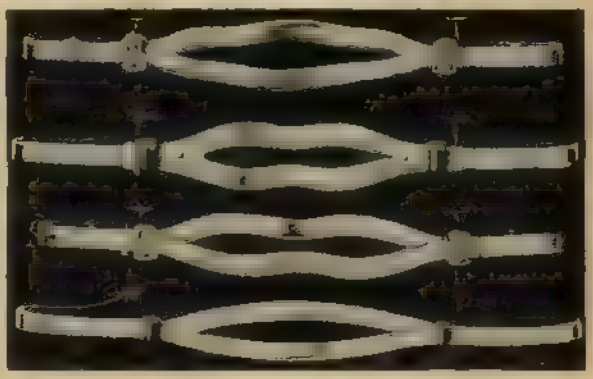
This is a grinder built for speed, accuracy and precision. It has a tool post for standard tool holder and can be used as a cylinder grinder it is especially useful on oversize piston jobs. It is not necessary to remove the grinding wheel and guide to do a turning job. A graduated, swiveled work head is operated by a ¼-hp. motor with belt drive. The turning tool is clamped in a regular tool post, set operated by a cross slide feed screw. A ½-hp. motor drives a 10-in. wheel which operates at the proper speed to make a good cut and a mirror finish. The work is kept cool by a continuous stream of water. There is an improved idler arm used for the belt tightening which is stated to operate very satisfactorily.

NEW PRODUCTS AT NEW YORK SHOW

The Ajax Shock Absorber

The Brewer-Titchener Corp.
Cortland, N. Y.

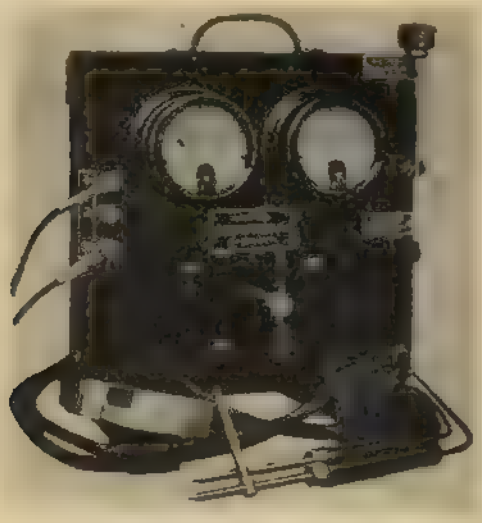
This shows a phantom view of the Ajax Shock Absorber. It has a lower primary spring which absorbs the initial shock and the upper or secondary which checks rebound. The spring tension is adjustable. The arms of this shock absorber are forged and the housing is finished in black metal with nickel-plated cap.



New Lyon Bumpers Exhibited

Metal Stamping Co., Inc.
Long Island City, N. Y.

From top to bottom the new Lyon bumpers are the Broadway, Dreadnaught, Guardian and the Vanguard. The Broadway and the Guardian have just been developed with a shackle bolt fitting that does away with the interference of shock absorbers and splash pans



The Miho Electrical Testing Set

The Miho Company
12 East Third St., Cincinnati, Ohio

The accompanying illustration shows the Miho high-rate discharge battery testing set Model A. This set enables the service station to make a complete test of batteries, generator and starting motor without delay. It is light weight and conveniently handled and can be taken to the car if desired. The price is $53.50, which includes meters, cadmium prods and test leads with clips.

Model D, Recording Devices Steering Gear

The Recording Devices Co.
Dayton, Ohio

This is made in two sizes, identical except in dimensions. Model D-1, the smaller, is suitable for cars up to 3000 lb. and D-2 up to 4000 lb. The accompanying illustration shows the working parts assembled with the housing cover removed. The gear is simply constructed and is built with a wide margin of safety. The balancing, which is a big feature, is accomplished by applying the turning force to the teeth on both sides of the trunnion-shaft.

Standard of the World

Many Cadillac Dealers have been engaged for a business lifetime in marketing Cadillac cars, because they are convinced that Cadillac principles of merchandising promote the secure prosperity and progress of individuals comprising the Cadillac institution.

CADILLAC MOTOR CAR COMPANY, DETROIT, MICH.
Division of General Motors Corporation

A new booklet entitled "Loyalty" will be mailed you free upon request

CADILLAC

THIS SYMBOL IN ANY ADVERTISEMENT MEANS: SEE "CHILTON AUTOMOBILE DIRECTORY" FOR COMPLETE BUYING INFORMATION

It is safe to say that the largest demand in all Cadillac history is in prospect. • • • •

CADILLAC MOTOR CAR CO., DETROIT, MICH.
Division of General Motors Corporation

CADILLAC

STANDARD OF THE WORLD

CHEVROLET

for Economical Transportation

The Move Towards Chevrolet

Our mails contain a great many letters from automobile dealers seeking Chevrolet selling franchises.

We are pleased to receive this added evidence that "the eyes of the world are on Chevrolet."

With the wonderful increase in our sales due to public appreciation of Chevrolet's unsurpassed value, has come such a broadening of our market that new and valuable dealer opportunities are apparent in every State—often at points that appear to be closed, yet are not up to our standard.

Every application is given very careful consideration, not only out of courtesy to the inquirer, but also because the standards we have set for Chevrolet representation are such that only the best class of dealers can qualify as direct dealers.

The profit opportunity for the Chevrolet dealer is so superior and our firm policy of fair treatment is so well established, that we are able ultimately to secure for every territory the best grade of representation.

Chevrolet Motor Company, Detroit, Michigan

Division of General Motors Corporation

Dealers and Service Stations everywhere. Applications will be considered from high-grade dealers only, for territory not adequately covered

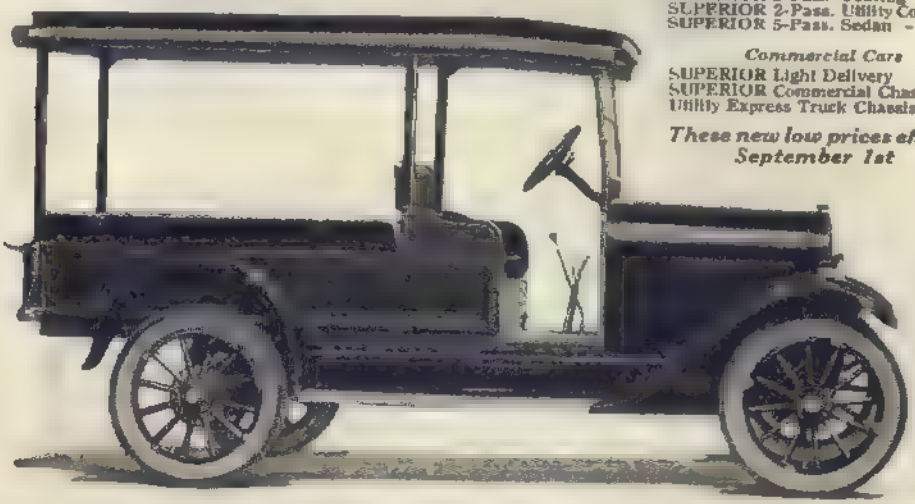
Prices f. o. b. Flint, Michigan

SUPERIOR 2-Pass. Roadster	$490
SUPERIOR 5-Pass. Touring	495
SUPERIOR 2-Pass. Utility Coupe	640
SUPERIOR 5-Pass. Sedan	795

Commercial Cars

SUPERIOR Light Delivery	$495
SUPERIOR Commercial Chassis	395
Utility Express Truck Chassis	550

These new low prices effective September 1st



Superior Light Delivery $495 f. o. b. Flint, Michigan

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CHEVROLET

for Economical Transportation

The Value of a Franchise

The value of a retail franchise in the automobile business depends on:

1. Salability.
2. Margin.
3. Relations with the manufacturer.

Statistics prove that salability is largely affected by price; about 80% of all cars in use sold for less than $1000.

Value per dollar is the second most important factor in salability.

Public knowledge of the value is the third.

Chevrolet is within the price class of the great 80% market.

Chevrolet offers the most per dollar in value in this class.

Chevrolet Motor Company is seeing to it that the public knows the facts.

In the entire automobile field, Chevrolet has within a year jumped from seventh to second place in sales.

The significance of these facts should be apparent to the trade.

CHEVROLET MOTOR COMPANY

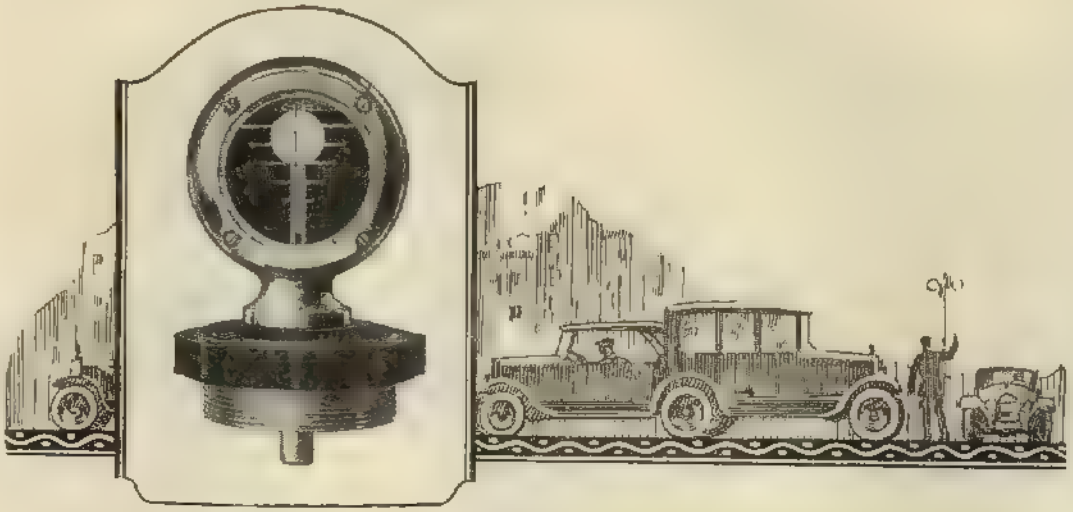
Division of General Motors Corporation

Detroit, Michigan

Prices F. O. B. Flint, Mich.

Two-Passenger Roadster	$510
Five-Passenger Touring	525
Two-Passenger Utility Coupe	680
Four-Passenger Sedanette	850
Five-Passenger Sedan	860
Light Delivery	510

There are now more than 10,000 Chevrolet dealers and service stations throughout the world. Applications will be considered from high-grade dealers in territory not adequately covered.



To display the BOYCE MOTO-METER SERVICE STATION SIGN is to attract trade, not only on our line but all other nationally known brands of automobile equipment. We earnestly solicit the support of every good dealer in the country to use this means to build more prestige both for himself and for us.

Announcing the NEW SPECIAL FOR THE FORD MODEL

THE new Boyce Moto-Meter which has been designed for use especially on Ford cars, is a distinct feature of the Boyce Moto-Meter line.

This new instrument is merely a small reproduction of the larger models—doing the same work with the same high standard of efficiency.

The Special for the Ford Model Boyce Moto-Meter has a heavy nickel frame, beveled crystals both front and rear, and comes equipped with a special composition cap.

Aside from protecting the Ford owner against over-heating and subsequent costly repair bills, it adds an attractive touch to the appearance of any car. The list price of this new instrument is $4.00.

Dealers, do not miss this new opportunity to reach a tremendous market. Write today either to your jobber, or to us, and we will send you full facts on the new Special for the Ford Model without obligation.

THE MOTO-METER CO., Inc.
15 Wilbur Ave. L. I. City, N. Y.

Ask 'Em to Buy

BOYCE MOTO METER

The Motorists Choice ~ The Accurate Boyce

Your Car Deserves One

THIS SYMBOL IN ANY ADVERTISEMENT MEANS: SEE "CHILTON AUTOMOBILE DIRECTORY" FOR COMPLETE BUYING INFORMATION

THE
ANNOUNCEMENT
REGARDING THE

COLE

AERO-EIGHT

There's a Touch of Tomorrow in All Cole does Today.

MADE AT THE NEW YORK SHOW MAKES THE COLE FRANCHISE A MOST ATTRACTIVE PROPOSITION.

COLE MOTOR CAR COMPANY
INDIANAPOLIS, U. S. A.

THIS SYMBOL IN ANY ADVERTISEMENT MEANS: SEE "CHILTON AUTOMOBILE DIRECTORY" FOR COMPLETE BUYING INFORMATION

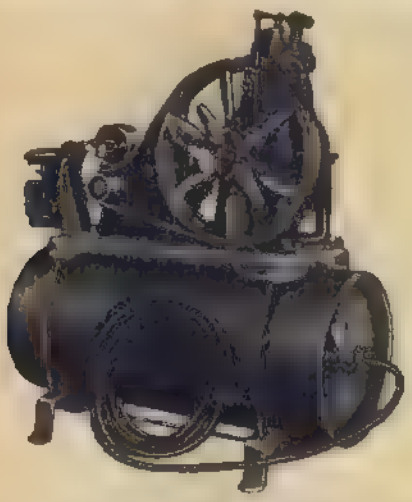
"The Spring is the Thing"

Mather Springs

Scientifically Heat Treated

THE MATHER SPRING CO.
TOLEDO-OHIO.

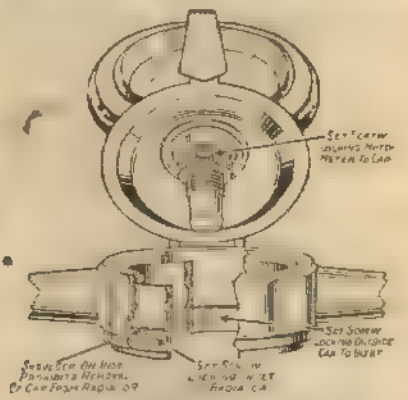
NEW PRODUCTS AT NEW YORK SHOW



Curtis Two-Stage Air Compressor Outfit Shows Improvements and Refinements

Curtis Pneumatic Machinery Co.
St. Louis, Mo.

The general improvements and refinements of the Curtis two-stage air compressor outfit for 1923 consist of a lighter base, therefore a lighter outfit; more compact on account of the tank being shorter in length and larger in diameter; less floor space required; copper tubing from the compressor to the tank, with long sweep bends; a more compact mounting of the compressor, motor and belt tightener, due to an improved type of self-adjusting, non-spring-type belt tightener and a more expensive finish. The controlled splash oiling system is used.



The New Schlaich Cap Lock

The J. C. McAdams Co.
145 W. 53rd St., New York City

Due to its simplicity, the Schlaich Cap Lock can be installed in a very few moments, but can be removed only by the owner. The caps themselves are drilled to fit the Standard and Universal Model Boyce Moto-Meters and may be reamed to fit the De Luxe Model, while special adaptors are furnished on request for the Midget and Junior Models. It is made in three sizes only, to fit all makes of cars. Special brass insets are furnished to fit each size of radiator filler neck.

Preferred Auto Lock

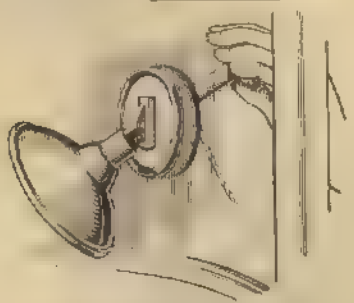
Lampman Tool Co., Mfr.
Angola, Ind.
Preferred Utilities Co.
Sole Distr.
Broadway at 57th St.
New York City

The Preferred Lock is attached under the steering wheel. When locked, two plungers firmly hold a spoke of the steering wheel between them. To unlock it the key is inserted, releasing the plungers. It is made of drop-forged, case-hardened steel, heavily nickeled and equipped with a Yale cylinder.

Manley No. 410 Portable Grease Pan

Manley Mfg. Co., York, Pa.

This portable grease pan and truck is run under the car when the crank case is removed and catches all the oil, grease, dirt, etc. It is large enough to receive the whole crank case for washing off the dirt, etc., and is also used in the same way when taking down and washing off other units. By removing the metal pan it may be used as a truck for moving around the garage complete units, or anything else desired. The removable metal pan also facilitates the dumping and cleaning out when loaded. The handle, which is provided with a full universal joint, swings in all directions.

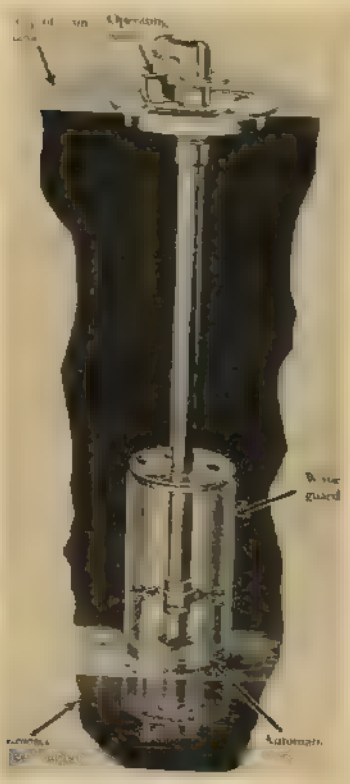


Inside-Control Light

Stewart-Warner Speedometer Corporation
Chicago, Ill.

As the illustration shows this light is controlled from the inside of a closed car. Its special design is specified to give greater light range up and down, or to either side of the road. Even distribution of weight on each side of the windshield keeps the light steady. It is turned on or off by a small switch on the instrument board and is attractively finished in moisture-proof black and nickel. The reflector is silvered and highly polished.

New Products at New York Show



Stewart Gasoline Reserver

Stewart-Warner Speedometer Corp.
Chicago, Ill

In the Stewart Gasoline Reserver a small cork float with loose attached sleeve provides the automatic feature that insures a reserve of gasoline in tank. This reserve is retained with the valve handle in either position and without the need of any attention from the car owner.

New Cox Hylo Bumper Model 30 and Bumper Arm for Dodge Rear

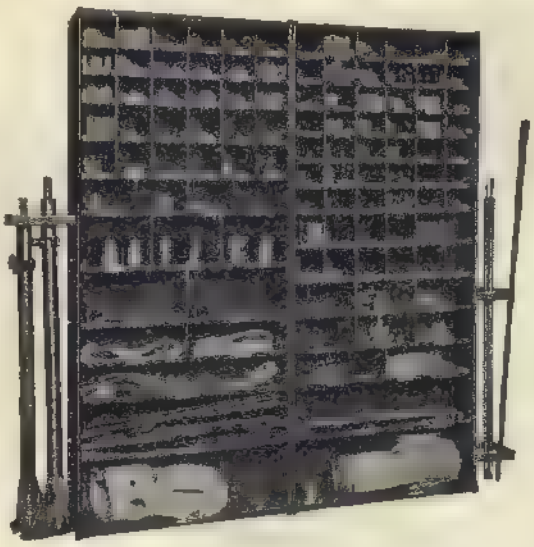
Cox Brass Mfg. Co., Albany, N. Y.

The new Model 30 Cox Hylo Bumper retains all the features of the full loop spring bumpers manufactured by this company. The bumper has two impact bars the full width of the car, and in addition it has the single bar in back, which comes into action when the blow is heavy enough to depress the two front bars. The upper and lower front bars are further reinforced by an attractive Cox monogram or a special monogram for the popular makes of cars at $1.00 extra. The two rails have wider faces than ordinary, ¾ in. each, and the space between them is narrower, only 1 in. The Cox Hylo "30" weighs only 35 lb., due partly to its design and partly to the high ratio of strength per lb., possessed by Mo-lyb-den-um steel of which it is made. The same Cox attachments, custom-built for each particular make of chassis, are included in the price of every Model 30. Prices: nickel plated, $23; black enamel, $20; special monograms, $1 extra. The new type of bumper arm shown above bolts rigidly to the frame by using a bolt through the snubber hole, and the outside rear bolt, which fastens the spring to the frame. The brace which fastens to the outside rear body bolt is extended toward the rear 6 in. so as to give greater leverage, and bring the support as near the bumper rail as possible. This extended brace also prevents side vibration. This bumper arm can be used with snubbers by using the cap screw furnished with the snubbers instead of the bolt and nut furnished with the bumper. Prices: $13 50 to $26 for complete bumper depending on type of bumper rail.

A New "Manzel" Hydraulic Shock Absorber

Manzel Brothers Co.
335 Babcock St.
Buffalo, N. Y.

Introduced a new shock absorber of the hydraulic type for practically all models of cars. It is attached to the frame, and connected to the axle by means of a strong webbed strap and clamp. An exclusive feature of the "Manzel" is its automatic control by means of double acting valves, which open and close according to the severity of the shock and control the passage of the oil between the inner and the outer chambers. The valve action may be regulated for any weight of car by means of an adjusting screw. List price, $90 per set of four



LAPS for Stutz

"File Them and Find Them" in LAPS

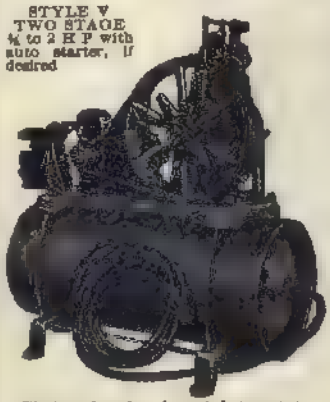
Standard Systems for All Popular Cars Sold by Leading Jobbers

DAVID LUPTON'S SONS CO.
TRENTON AVE. AND WILLARD ST., PHILADELPHIA

LUPTON AUTO-PARTS STORAGE

Curtis Controlled-Splash Oiling System

STYLE V TWO STAGE ¼ to 2 H P with auto starter, if desired



First and only air-cooled two-stage compressor with a copper intercooler

Curtis Compressors have a patented and exclusive controlled-splash oiling system. This prevents an excess of oil getting into the discharge line. At the same time all working parts are perfectly lubricated. The Curtis will run 10 to 15 times as long on the same amount of oil as compressors of ordinary splash-oiling type.

A Curtis for Every Need

We manufacture a complete line of single and two-stage air compressors. There is a style, size and arrangement to suit your need. Use coupon for particulars and prices.

CURTIS PNEUMATIC MACHINERY CO.
1577 Kienlen Ave. St. Louis, Mo.

BRANCH OFFICE
530-D Hudson Terminal New York City

(1577)
Send Coupon

CURTIS *Single and Two Stage* Air Compressors

CURTIS PNEUMATIC MACHINERY CO.

Gentlemen—Please send me descriptive folder and full particulars on Curtis Air Compressors.

Name .....
Address .....
Jobber's Name. .....
Address .....

THIS SYMBOL IN ANY ADVERTISEMENT MEANS: SEE "CHILTON AUTOMOBILE DIRECTORY" FOR COMPLETE BUYING INFORMATION

WE ARE READY

Durant and Star car production has increased to such volume as to justify our seeking the most thorough distribution throughout the country.

Immediate delivery of samples of both the Durant and Star.

Your inquiry will receive prompt attention.

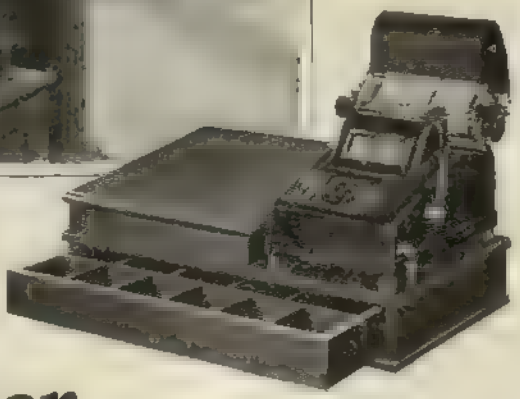
General Sales Department

DURANT MOTORS, INC.
Long Island City, N. Y.

Durant Motors, Inc.,
560 Jackson Ave., Long Island City, N. Y.
Gentlemen:
We are interested in territory for Durant and Star cars and would like to have your representative call.

Signed .....
Firm Name .....
Address .....

"DOUBLE ACTION"



Think of a departmental, multiple clerk detail printing cash register. Think also of the famous Sundstrand Adding and Figuring Machine. You get BOTH—get DOUBLE service—from the Sundstrand Combination Cash Register, with its new sput carriage, automatically controlled. Besides, the *cost is less* than you would expect to pay for either service alone.

Cash Register Adding Machine

TWO Services at ONE Low Cost From the Sundstrand

As a Cash Register the Sundstrand gives positive protection to your cash—clerk or department indicators must be set or cash drawer will not open. Indicators are provided for several clerks and nine departments, such as oil, accessories, towing, battery, labor, vulcanizing, washing, polishing, etc. Automatically separates paid out and charge items from total of cash receipts. All records are rewound and held in register, totals under lock and key. Ends guesswork by giving a complete and permanent record of each day's business. Range 1c to $99,999.99.

As an Adding Machine. Just move over the carriage and you are ready for adding and multiplying on a separate tape. You have Sundstrand 10-key speed and ease of operation—for footing ledger, bank balance, checking extensions, figuring inventory, costs, mark-up, depreciation, profit, etc. You have the same adding machine of which Standard Oil Company, Texas Company and many other dealers use 10 to 100 each. To change to cash register work, just shift the carriage back. Your cash register record tape has not been disturbed.

Stop the Leaks! End losses. Be sure you are getting all the profit in your business. Write for details and low price. No obligation. Address Dept. E.

SUNDSTRAND ADDING MACHINE COMPANY

ROCKFORD, ILLINOIS, U. S. A.

Sales and Service Stations Throughout the United States and Canada

Sundstrand

Adds — COMBINATION — Multiplies

CASH REGISTER

Automatic Control Forced Indication

(221)

THIS SYMBOL IN ANY ADVERTISEMENT MEANS: SEE "CHILTON AUTOMOBILE DIRECTORY" FOR COMPLETE BUYING INFORMATION

Save 1/3 the Gas

Gray

DISPLAYING a complete line of motor cars—Touring Car, Roadster, 2-passenger Coupe, Coach and Sedan, the Gray is the center of attraction at the Automobile Shows.

The Gray holds the World's Official Record for gasoline mileage, won by its famous Cross Country Run from San Francisco to New York under sanction of the American Automobile Association, with an average gasoline consumption of 33.8 miles per gallon.

Touring $490
The twin of the famous Cross Country Economy Car, responsive and dependable.

Roadster $490
Comfortable, roomy, with ample luggage space. The rear deck is removable.

2-Passenger Coupe $685
An all year car, handsome, well finished and sturdy.

Coach $785
Gray special spring suspension contributes to the comfort of the Coach.

4-Door Sedan $835
The most elegantly appointed closed car in its price class.

Gray Motor Corporation
DETROIT, MICHIGAN
Canada: Chatham, Ontario

THIS SYMBOL IN ANY ADVERTISEMENT MEANS: SEE "CHILTON AUTOMOBILE DIRECTORY" FOR COMPLETE BUYING INFORMATION

Let This Jack Sell Itself

Leave It on the Counter

Customers always like to handle things that are left on the counter—why not take advantage of this habit and let them "play" with one of these No. 46 Reliables? When they see how easy it works they are sure to want one.

A Reliable No. 46 on the counter will sell itself while you are busy with another customer. This handsome, bright red jack will appeal to every motorist. Its sturdiness, its easy and sure action, as well as the special auxiliary foot, are features which will make this jack a fast seller and good profit maker for you.

The No. 46 is only one of the reliable line comprising thirty-five different models, ranging in capacity from one to ten tons and covering the entire field of automobile jacks.

Ask to see this jack at your jobber's. He has a complete line of Reliable Jacks, or will get them for you. All Reliable Jacks are enameled red. Be sure you get only red jacks.

WARNING TO DEALERS: When you buy Reliable Jacks —be sure you get the product of the Elite Mfg. Co., Ashland, Ohio. The Reliable line is being widely imitated, and this notice is given for your protection.

ELITE MANUFACTURING CO.
Dept. TJ-2 **Ashland, Ohio**

Complete stock carried by C. A. Ashton, Ashton Bldg., St. Paul, Minn., and the Carroll Co , Dallas, Texas.

REPRESENTATIVES: Motor Products Co., 149 Church St., New York.
L. E. Spencer Co., 704 Stahlman Bldg., Nashville, Tenn
A. E Mohrig, 1454 Pine St., San Francisco, Cal.

RELIABLE JACKS

Special Offer to Dealers

Fill Out and Attach This Coupon to Your Letterhead

ELITE MFG. CO., Dept. TJ-2, Ashland, Ohio: Please mail me one of these jacks. You may bill me through my regular jobber whose name is. . . . . .

Name . . . . . .

Address . . . . . .

City . . . . . .

State . . . . . .

THIS SYMBOL IN ANY ADVERTISEMENT MEANS: SEE "CHILTON AUTOMOBILE DIRECTORY" FOR COMPLETE BUYING INFORMATION

"Who Has That *Little Giant* Pipe Wrench?"

Shops that have only one *Little Giant* are badly handicapped, for the demand for the *Little Giant* is constant. There's hardly an hour passes that one of the boys does not shout for it, and if it is not forthcoming, he has to search around for it, which wastes many valuable minutes.

If you have ever used a *Little Giant* Pipe Wrench you will understand why it is one of the most popular tools in the shop. The *Little Giant* will get into places where other pipe wrenches can't go. It slips into holes and corners and works well in cramped quarters.

And there's no barked knuckles, either. The end-opening jaws work like a pair of pliers, and when they close—they are on to stay.

It will pay every garage and repair shop to equip its men with a *Little Giant* each. You don't have to worry about replacements, for the *Little Giant* is practically indestructible. Only three simple parts—that cannot get out of order. Let us tell you the nearest jobber to you who sells *Little Giant*.

GREENFIELD TAP AND DIE CORPORATION
GREENFIELD MASS. U.S.A.

Little Giant PIPE WRENCH

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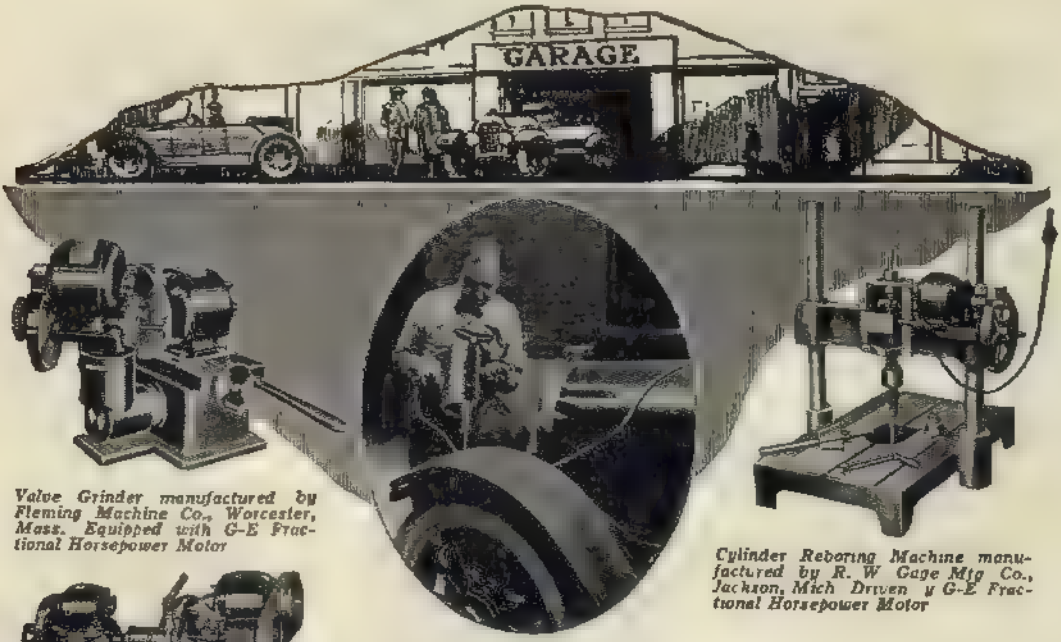
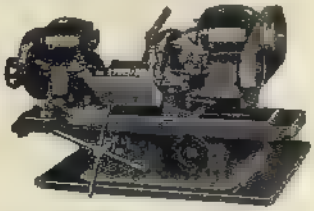


Valve Grinder manufactured by Fleming Machine Co., Worcester, Mass. Equipped with G-E Fractional Horsepower Motor

Power King Drill built by Jones, MacNeal and Camp, Chicago. Driven by G-E Fractional Horsepower Motor

Cylinder Reboring Machine manufactured by R. W Gage Mfg Co., Jackson, Mich Driven y G-E Fractional Horsepower Motor



Piston Grinder—Van Norman Machine Tool Co., Springfield, Mass. Driven by G-E Fractional Horsepower Motor

Elmco Test Stand manufactured by Electric Machine Corporation, Indianapolis, Ind. Driven by G-E Fractional Horsepower Motor

Speed Means Profits

If you can get more work done per hour you can handle more jobs per day—and that means more profit.

If your equipment is up-to-date and dependable you will not need to add time and labor for its maintenance to your overhead—and that, too, means more profit.

Electric drills, grinders, air compressors, gas and oil pumps, etc., are necessary equipment for the modern automobile repair shop—and they are dependable and long lived when equipped with G-E Fractional Horsepower Motors, backed by a quarter-century of motor manufacturing experience.

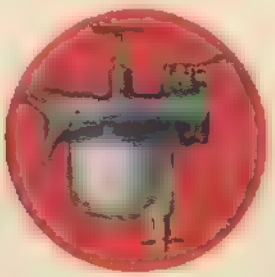
Manufacturers who make quality the first consideration supply G-E motors on their machines as standard equipment. The names of such manufacturers will be furnished by any one of our sixty sales offices, or address

General Electric Company
Fractional Horsepower Motor Sales, Ft. Wayne, Ind.

GE Fractional H P Motors

"Make Good Machines Better"

A GENERAL ELECTRIC PRODUCT



Model N. H.
Standard Equipment on Ford Cars

Small Investment, Quick Turnover—Substantial Profit

THE Holley Carburetor Company offers you the opportunity of selling and servicing half the cars in your territory on a surprisingly small investment.

With these extraordinary sales possibilities you can turn over your stock quickly—make a substantial profit on each turnover and a very handsome yearly profit.

You are overlooking a real opportunity if you do not get in touch with us *now*.

HOLLEY CARBURETOR COMPANY
DETROIT MICHIGAN

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A REAL WAY
The Walker Merchandiser

Dealers: Here's the new way to sell jacks—show 'em and "Ask 'Em to Buy." Take jack selling out from under the counter and off the shelves and make it a self-serve proposition. Put the new Walker Jack Merchandiser on your floor today. It will double your turnover and treble your profit. Its striking two-color display sign and assortment of seven royal blue Walker Jacks will arrest the attention of every motorist who enters your store.

Today is the day to order a Merchandiser. You get it FREE with an assortment of fifteen of the best-selling Walker Jacks. Talk with your jobber's salesman. Ask him to explain its many decided selling advantages—or write us for the complete details of the intensive Walker selling plan for 1923.

This Walker Merchandising Stand Will Triple Your Jack Sales

HUDSON

The Coach - $1525
(Freight and Tax Extra)

Speedster - - $1425
7-Pass. Phaeton 1475
Sedan - - - 2095
(Freight and Tax Extra)

"If you can get the Hudson-Essex franchise—take it!"

A Money-Maker's Message to You

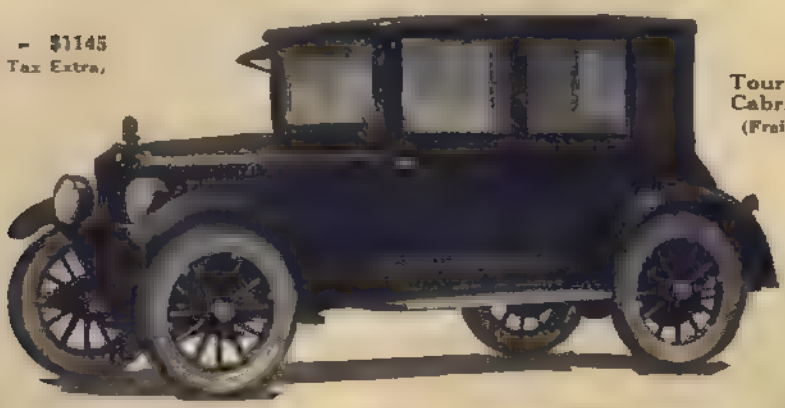
"It is the best franchise in the automobile industry today. My reasons: FIRST—Hudson and Essex are real automobiles, owners like them and buy again. SECOND—Distributors of Hudson and Essex in our territory have at all time given us excellent service and *shot square* THIRD—The factory is financially strong and enduring. It will be making Hudson and Essex cars when you can count car manufacturers on your fingers. FOURTH—*I've made money. Think that over.*"

MARK D. MOORE, *Moore Automotive Sales Co.*
Owatonna, Minn.

HUDSON MOTOR CAR COMPANY—ESSEX MOTORS
DETROIT, MICHIGAN

Some Good Territories Are Open. Write Today

The Coach - $1145
(Freight and Tax Extra)



Touring - $1045
Cabriolet 1145
(Freight and Tax Extra)

ESSEX

A mine owner in a town of one hundred and nineteen people up in the Wisconsin copper country recently bought a LaFayette Torpedo. He knew its longer life, range of performance, deferred depreciation, and maximum service would well warrant its initial cost. A fine car to own is a fine car to sell.

A letter to us will bring you a LaFayette catalog giving specific reasons for LaFayette quality, as well as the information as to whether or not your territory is open

LAFAYETTE MOTORS CORPORATION
Milwaukee, Wisconsin

LAFAYETTE

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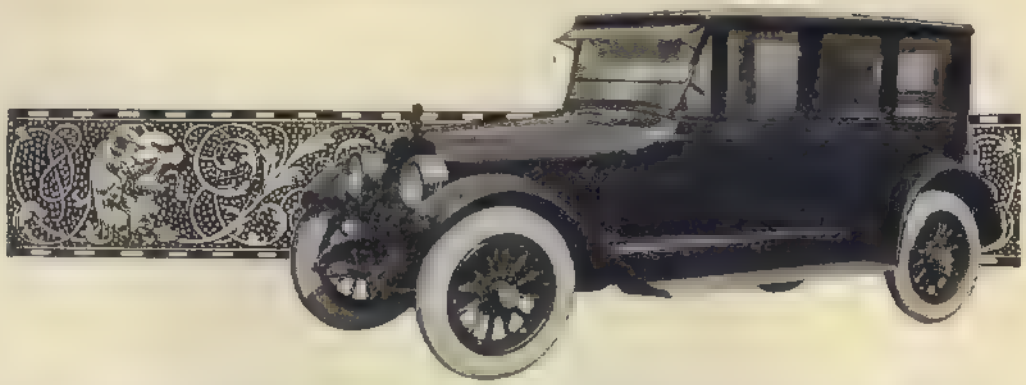

ENLARGE YOUR OPPORTUNITIES WITH THE MERCER

THE MAN who would be interested in buying a fine car like the Mercer would not be interested in the cheaper car you represent.

If you also hold a Mercer Franchise you do more than just sell the fine-car buyer. *You make a considerably better profit than on your low-priced car.*

By all means push the line on which you have put much time and energy. But make the pushing *easier*—by enlarging your opportunities and profits with the prestige-building Mercer.

Inquire whether the Mercer Franchise is still open for your territory. *Write at once.*

Series Six Six-Cylinder Models
Now Ready for Delivery

MERCER MOTORS COMPANY
TRENTON CARS NEWARK

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MOON

in Clarksburg

The Success of a Live Wire!

Ray Cuppet is a live wire of the Clarksburg, W. Va., automobile field. He has made this city of 27,000 a *Moon* town. He knows what's what in motor car value and is making a few thousand others know it.

Read his own words of what he has accomplished:

> *"During the first six months of this year I sold 79 Moon cars. In the one month of May alone I sold 39! I'm going to make it 150 for 1923. Watch me!"*

Again, it's a case of doubling sales with the Moon.

Are you doubling *your* sales in 1923?

The New Series "U" Six-40 Moon has been received enthusiastically by dealers everywhere.

MOON MOTOR CAR COMPANY, ST. LOUIS, U. S. A.

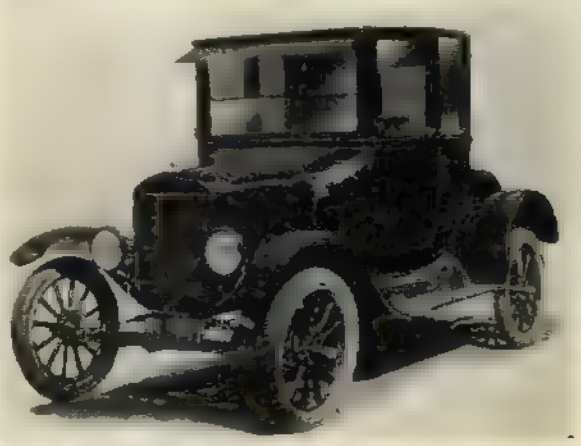
Stewart McDonald, President

New Coupe Model and Improvements in Ford Line

THE Ford Motor Company has recently introduced a new coupe with improved exterior appearance, more comfortable seating arrangement, increased luggage carrying capacity, etc. In addition to this some of the improvements to be noted in the coupe have been made in the other models of the Ford line.

The new coupe doors are large and heavily framed, open outward, and better rear vision is afforded by the large rear window. The front of the car is more attractive with the cowl having a graceful curve in to the higher hood and radiator. In addition there is a visor over the windshield and a cowl ventilator. The deck at the rear gives considerable luggage space, being larger than in the previous model. The gasoline tank is under the seat and the split seat cushion facilitates filling the tank from the right side, so that it is unnecessary for the driver to leave his seat The rear fenders are built more sturdily. In back of the seat is a small recess shelf for carrying parcels. The seat is deeply cushioned. The door windows are equipped with revolving type window regulators and door locks are provided. The side windows have lever type window lifters.

The four-door sedan introduced about a year ago has been improved in appearance also. This has a new cowl and the same graceful sweep from the radiator and hood which change also affords increased leg room for the occupants of the front seat. The touring car and runabout also have the enlarged cowl and flowing lines. The radiator in all the models is larger, giving increased cooling capacity. This new radiator is also used on the Ford truck chassis.



The New Ford Coupe
This body varies considerably from the former coupe, having a larger radiator, more sloping hood, wider cowl, and it is more spacious. Some of the other models have also been improved

New Cleveland Models Feature Many Refinements

CONSIDERABLE of the efforts of the engineering personnel of the Cleveland Six Laboratories and experimental departments has been concentrated to better the all-around performance of the Cleveland car and at the same time retain quietness and smoothness. The Cleveland model for 1924 incorporates sound mechanical improvements which include a highly perfected valve actuating mechanism and a better distribution of gas. The body lines of the new Cleveland Six remain unchanged except for the new radiator design. Aluminum kick pads are used on the models equipped with running-boards, and the touring deluxe and sport models now carry a wide stripe of contrasting color edged with gold. There are nine models in all. The two-door special sedan is furnished in five colors: Brown, blue, green, maroon and red. The roadster is surrey green with cream wheels and the balance of models are blue.

The feature which is said to contribute to the rapid pickup of the engine, is the automatic spark advance on the Bosch system Vaporization of the gas is improved through the use of a new Stromberg carburetor coupled with a refined method of heat appli-

Here's the Car You've Been Waiting for!

The True Blue Oakland "6"

Brand-New Engine—Four-Wheel Brakes
Beautiful New Bodies—Disc Steel Wheels

This True Blue Oakland was deliberately built to be the finest of light-sixes.

From axle to axle—it's new! It embodies features of mechanical superiority, beauty and performance heretofore unheard of in cars of its price!

Two years have been devoted to its design, manufacture and test plus the wealth of Oakland experience in light-six manufacture and the great resources of General Motors.

It carries the same written 15,000 mile engine performance guarantee and the same mileage basis gauge of value that have proved the quality and value of Oakland cars.

The New Oakland line and our 1924 proposition, offer an opportunity which we confidently believe is unsurpassed. Wire us—your territory may be open.

OAKLAND MOTOR CAR COMPANY, PONTIAC, MICHIGAN
Division of General Motors Corporation

$945
F. o. b. Factory

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It Speaks With a Smile But Heard for a Mile

The Aermore Signal has sold to hundreds of thousands—sells easily because it appeals to the motorist's pride, one of his most vulnerable points. It also means economy—saves the batteries; means safety because it never fails. Operates on exhaust gas.

Easily Attached
Outlasts the Car
Satisfaction Guaranteed

The AERMORE Exhaust Horn

Prices

Complete With Valve and Fulton Hand Control

No. 00 22 in. long Motor Bus Special...	$14.00
No. 0. 17 in. long for large autos, trucks	12.00
No. 1. 15 in. long for medium cars.....	10.00
Ford Special . . .	7.00

Give name of car and outside diameter of exhaust pipe

DEALERS: Demonstration stand free with order of ten or more Aermores, one or assorted sizes.

Part of every Aermore Horn also sold separately for exhaust heaters. Self-closing.

For exhaust pipe 1½ to 3 in.....	$1.80
For exhaust pipe 3½ to 4½ in...	3.50

Ask Your Dealer
Dealer Write Jobber or Us

The Fulton Shellerite Steering Wheel

Adds to the comfort of driving. Dresses up a car. Will not crack or fade. Made of composition hard rubber. Standard equipment on a number of high-priced cars. Aluminum spider inserted in rim. Beaded top corrugated with outside hand grip. Diameter of wheel 17 inches

For Chevrolet, Star, Dodge, Maxwell or Overland Cars	$6.00
For Fords.....	5.50

Manufactured by

THE FULTON COMPANY, Dept. 10-F Milwaukee, Wis.

"Make This an Automotive Christmas"

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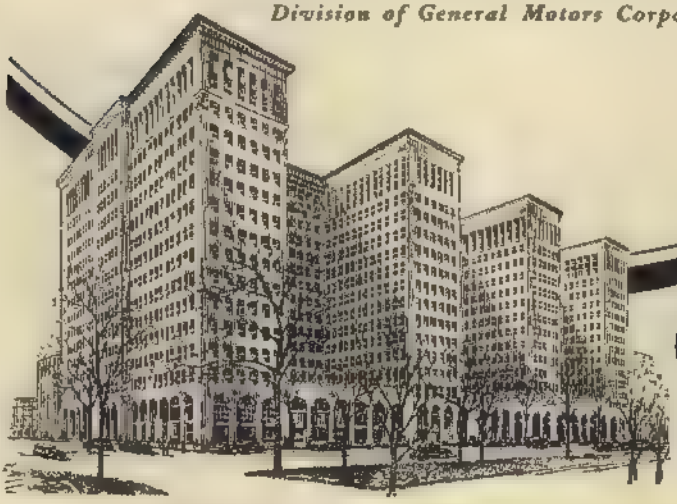
OLDSMOBILE

DO you know that the engine of the Oldsmobile Light Eight is the most powerful of all automobile engines of like dimensions built in this country? This fact, Mr. Dealer, has been corroborated through exhaustive tests by the great General Motors Laboratories, which rank first in American automotive research.

This is just another way of saying that Oldsmobile dealers are supplied with cars which are as *good under the hood* as they are *good looking*. That means Oldsmobile cars sell easily.

Be an Oldsmobile dealer. Start the new year with a ready-selling line of cars — fourteen distinctive body types — both Eights and Fours—built by a strong, permanent company. Send in your application today.

OLDS MOTOR WORKS, LANSING, MICHIGAN
Division of General Motors Corporation



Oldsmobile

A PRODUCT OF GENERAL MOTORS

The engineering, research and purchasing facilities of the General Motors Corporation contribute largely to Oldsmobile quality.

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A new GENERAL MOTORS *achievement~ a* SIX *at*

The Lowest Price in History

OLDSMOBILE - SIX

An Oldsmobile and a SIX at an amazingly low price. Here is the car that offers you what you have long been waiting for—the opportunity to sell six-cylinder flexibility, smoothness and power, and at a low four-cylinder price.

And—it is an Oldsmobile. In spite of its amazingly low price, it has the beauty and refinement which have always characterized Oldsmobile cars. This highly developed automobile is the result of Oldsmobile's twenty-six years of manufacturing experience, reinforced by the unmatched engineering, research and purchasing facilities of the great General Motors Corporation.

Inspect the new Oldsmobile Six at the nearest dealer's. You will find an achievement in motor cars, which is General Motors' answer to the public's insistent demand for a good, but very low-priced six. Here is your opportunity!

Touring, Roadster, Sport Touring, Cab, Coupe, Sedan

OLDS MOTOR WORKS, LANSING, MICHIGAN
DIVISION OF GENERAL MOTORS CORPORATION

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O-Lite

Gas FOR TRUCKS

Prest-O-Lite Gas is also used by dentists, telephone linemen, painters, plumbers, campers and others.

In all the years of the automotive vehicle nothing else "just as good" as Prest-O-Lite Gas for lighting systems for trucks has been presented. This system has every advantage of the long experience of the Prest-O-Lite organization, and better still it has back of it the spirit of the organization. Prest-O-Lite Gas for trucks is approved by public authorities everywhere, and proves itself over and over as one lighting system that cannot be jolted, bumped or jarred out of commission, and which gives the finest kind of artificial daylight even in the most dismal, rainy, misty nights. 22,000 Prest-O-Lite Gas Stations all over the country quickly exchange full tanks for empty ones, and you pay only for the gas.

THE PREST-O-LITE COMPANY, Inc., *Indianapolis, Ind.*
SMALL TANK SALES DEPARTMENT
New York Office: 30 East 42nd Street Pacific Coast Office: 599 Eighth Street, San Francisco
In Canada: Prest-O-Lite Company of Canada, Ltd., Toronto

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During 1922 Rickenbacker dealers made money—good money. During 1923 they'll make more money!

First, because of the refined new Rickenbacker series. ***But in addition—***

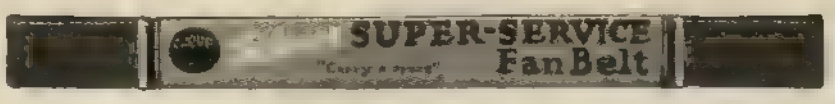
Well—before we give you all the facts, wire us to show your interest.

Touring Phaeton—$1485 Coupe—$1885 Sedan—$1985
f. o. b. Detroit

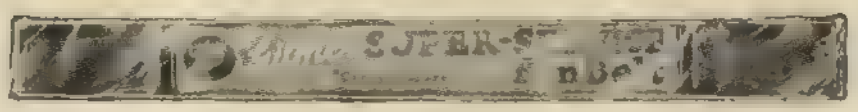
Rickenbacker Motor Company
Detroit Michigan

Rickenbacker
A · CAR · WORTHY · OF · ITS · NAME

This Belt Goes on the Car and



This One Goes in the Tool Box



The Package that "Carries a Spare" to Sell a Spare

The Package

This new Gilmer package for the new Gilmer belt puts the "Carry a Spare" idea over stronger than ever. It allows you to sell *two* belts where you sold but one before.

Here are two new Gilmer Super-Service Belts held together by narrow gold bands. The first belt goes on the car. The second is the spare. It is attractively sealed in a glassine envelope to keep it clean until used

The New Belt

The new Gilmer Super-Service Fan Belt is built on a new principle. It is light in construction. Exceptionally flexible. True in performance. And the toughest belt that ever drove a fan.

It is designed for those motorists who want an ultra-fine belt—and are willing to pay a trifle more for it. The new Gilmer belts plus the old Gilmer belts give you an assortment that meets all requests.

The metallic finish that adds so much to the appearance of the new belt is a result of the new process of manufacture. It is an engineering achievement, giving the belt greater resistance to heat, oil, and water.

LIST PRICES: For Ford Cars, 60c; For All Other Cars, 90c.

For *All* the Bumps

The Gilmer Bull Dog Bounce Absorber works so fast that it absorbs all the bumps—big and small. This is the simplest of absorbers. Only two working parts. Neither is metal. Nothing to get out of order. Easy to install, and instantly adjustable.

LIST PRICES

		WEST of DENVER	
For Ford Cars		*For Ford Cars*	
Full set of four	$15.00	Full set of four	$16.00
Pair (front or rear)	$7.50	Pair (front or rear)	$8.00
For All Other Cars		*For All Other Cars*	
Full set of four	$24.00	Full set of four	$26.00
Pair (front or rear)	$12.00	Pair (front or rear	$13.00

L. H. GILMER COMPANY
Philadelphia

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CRAMP

CRAMP'S HARD-ROLLED BEARING BRONZE

BUTT-JOINT AND STEEL-BOUND, BRONZE-LINED TUBING AND BUSHINGS

Cramp's Hard-Rolled Bearing Bronze—cast, rolled and drawn—is the highest grade bronze composition that has ever been used for bearing purposes. It is superior to any other metal on the market for durability and homogeneity of structure, whether made by the Cramp Company or any other company.

All-bronze tubing and bushings of the butt-joint type are furnished in various diameters—wall thickness 1-16".

The steel-bound, bronze-lined tubing and bushings are furnished in various diameters and thicknesses of wall.

The outstanding features of these products are

Durability ***Adaptability***
Accuracy ***Low Cost***

They can be purchased in tubing and cut to exact lengths as required, or in standard size bushings ready for use. No machine work necessary—very little reaming—often none at all. Can be used for every bearing in the car except the main and crank-pin bearings or where ball bearings are necessary.

Send for Literature Containing Full Description and Price List

THE WILLIAM CRAMP & SONS
Ship and Engine Building Company

PHILADELPHIA

"Thats the Headlight You'll Soon See on Most Trucks!"

DIETZ Sentinel Electric Headlights are now lighting the highways for the following makes of motor trucks. The list is growing fast:

TRUCKS OF THE UP-TO-THE-MINUTE MEN

Acme	K-Z
American-La France	Kelly-Springfield
Armleder	Kleiber
Atterbury	Krebs
Bessemer	Lino
Beta	Maccar
Bridgeport	Moreland
Brockway	Old Reliable
Buffalo	Parker
Clydesdale	Power
Columbia	Ralsler
Concord	Sandford
Corbitt	Schacht
Day-Elder	Schwartz
D-Ofk	Service
Denby	Signal
Diamond T	Standard
Federal	Stewart
Gary	Triangle
Hendrickson	Tower
Hurlburt	Ultimate
Kearns	United States

They're Better Lamps! That's the Reason
Profitable for Dealers! Send for Literature

R. E. DIETZ COMPANY
60 LAIGHT STREET, NEW YORK
Pioneer Makers of Vehicle Lamps. *Founded 1840*
JAMES BARNES, Sales Manager, Motor Truck Lamp Department, Carter Bldg., ROCHESTER, NEW YORK

"SENTINEL"
DIETZ ELECTRIC HEADLIGHTS FOR MOTOR TRUCKS

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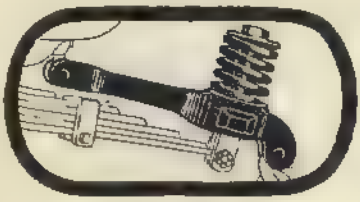


DEALERS

Sell Drednaut Equalizers—the one cushioning device Ford owners want. You might as well make these sales and get these profits. Write us on your business letterhead for dealer proposition.

AUTO SPECIALTIES MFG. CO., 569 Graves St., St. Joseph, Mich.
Also a Canadian Factory at Windsor, Ontario
(569)

DREDNAUT
Equalizers FOR FORDS
"CLEAR ON THE ROAD"

The Cincinnati "Junior"

¼" PORTABLE ELECTRIC HAND DRILL
BALL BEARING—Weight, 5 lbs.

$28

Pistol Grip with Automatic Switch.
Mandrel with emery wheel or buff for light grinding and polishing
Bench base with clamp for holding drill for above work.

½" "SPECIAL" DRILL
BALL BEARING—
UNIVERSAL MOTOR

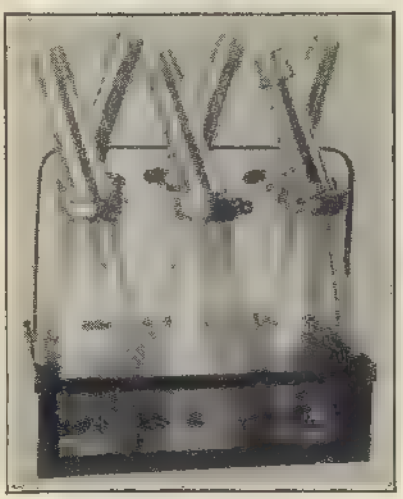
$65

A complete line of Portable Electric Drills, Grinders and Buffers for every purpose. Send for catalog.

THE CINCINNATI ELECTRICAL TOOL CO.
1519 Freeman Ave. Cincinnati, Ohio

New York, 50 Church St
Philadelphia, 1220 Real Estate Trust Bldg.
San Francisco, 918 Hearst Bldg.
Seattle, 1115 Federal Ave.
Los Angeles, 518 Equitable Bldg.

QUICK SERVICE OIL BOTTLE



You furnish the bottles — milk bottles — They fit the hand

6 Spouts, $2.00 — 6 Bottle Tray, $1.00
8 Spouts, 2.63 — 8 Bottle Tray, 1.35
Spouts by the dozen, $3.00

If Your Jobbers Don't Have Them We Will Make Immediate Shipment by Parcel Post

C. C. VAN TINE
323 Kesler Ave. Bartlesville, Okla.

ALVORD

SPECIAL SERVICE TOOLS

REAMERS
CUTTERS
TAPS—DIES

This tool reams the Propeller Shaft Bearing and faces the end of the Flanged Bushing in one operation. The Guide accurately aligns the bearing with the shaft, and the End Mill faces the bushing square with the bearing.

The Guide is strongly recommended, as the short length of the Propeller Shaft Bushing makes the use of a pilot reamer impractical.

A complete line of Overland, Dodge, Buick, Chevrolet, Ford Tools are kept in stock.

Storage Battery Drills for cutting out the lead seals of batteries

Our Catalog lists a complete line of tools

ALVORD REAMER & TOOL CO.
Millersburg, Pa., U. S. A.
Send me your catalog

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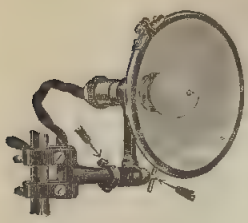
SPOT LIGHTS

★GOOD SERVICE

(Registered)



The Most Popular Type Lamp on the Market, Can Be Adjusted to Any Position. Can Also be Used When Backing or as a Trouble Light. Made Entirely of Brass and Finished with Two Coats of Black Enamel. Reflector and Body Combined; Single Shell Construction. Special Bracket Made from Brass. Convex Glass with Nickel Plated Band to Hold in Place.

Complete with 6-8 Volt, 21 C. P., D. C., Mazda Bulb and 5 feet of Cord.

(As Trouble Lamp)

SPECIAL FEATURES

Automatic Stop—Can be Set to Comply with the Law in Any State or Can be Used Without Stop if Desired.

Detachable Base—So Can be Used as a Trouble Lamp

Brass Throughout—Lamp, Brackets, Reflector and Small Parts Made of Brass to Prevent Rusting.

	Each
No. GS4½—4½ inch Door; Weight Each, 2 lbs	$7 00
No. GS6—6 inch Door; Weight Each, 2¼ lbs	8 00

One in a Box

SPOTLIGHT BRACKETS

For All Closed Cars

The Only Bracket That You Can Attach a Spotlight to on Any Closed Car.

Made of Aluminum; Highly Polished Finish.

	Per Dozen
No. SLB—Weight per Dozen, 2½ lbs.	$9 60

Loose

SPOTLIGHT REELS

REELEX

Extension Reel and Trouble Light

As an Emergency Lamp Reelex Can be Mounted at Any One of a Dozen Convenient Locations on the Car—on the Dash or Instrument Board, Under the Hood in the Tonneau, Etc. It is a Fixed Bracket Light, is Easily Switched "On or Off" by the Handy Lever Switch.

Reel Winds Easily and Quickly by Hand, no Springs to Break or Get Out of Order.

Complete with 12 Feet of Extension Cord on a Reel and Double Contact Lamp Socket and with Cord to Battery Connections.

	Each
No. 100—Black and Nickel Finish. Weight Each, 1 lb.	$4.00

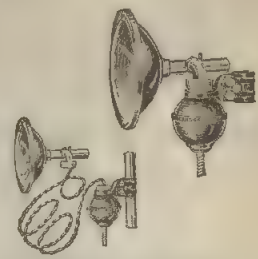
One in a Carton

SPOT LIGHTS

ANDERSON AUTOREELITE

A Combination of Three Lamps in One—Spot Light, Trouble Light and Portable Light. Inside of the Ball Casing is a Reel Containing 12 Feet of Electric Cord, Which Permits the Light to be Carried Anywhere Within 12 Feet of the Windshield. It Winds and Unwinds Like a Roller Curtain. Fitted with Convex Lens, Backed by a Mazda (Nitrogen) Lamp in a Silvered Parabolic Reflector of Carefully Determined Contour to Increase and Direct the Light Rays. Switch Conveniently Located at the Back of the Lamp.

On an Order of Three or More, We Can Furnish a Stand Free

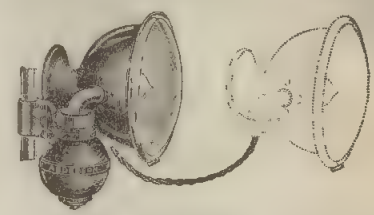


THE NEW SINGLE-SHELL MODEL

Special Attention has Been Given to the Design to Secure a Most Powerful Spot Light as Well as a Beautifully Designed Model.

	Each
Standard Model	
No. 3280—6 inch Door; 21 Candle Power; Black Enamel Finish, with Nickel Trimmings; Without Mirror; Weight, 4 lbs.	$14.70 9.75
Sport Model	
No. 3281—7 inch Door; 27 Candle Power; Black Enamel Finish, with Nickel Trimmings; Without Mirror; Weight, 4 lbs.	16.50 11.00

One in a Carton



DOUBLE SHELL

	Each
Standard Model	
No. 3140—With Rear View Mirror; 6 inch Door; 20 Candle Power; Black Enamel Finish; Weight Each, 5 lbs.	$14.70 9.75
Sport Model	
No. 3141—With Rear View Mirror; 7 inch Door; 32 Candle Power; Black Enamel Finish; Weight Each, 5 lbs.	16.50 11.00

One in a Carton

For Sedans, Coupes and All Closed Cars

The New Autoreelite Operater from the Inside; No Opening of Windows and Doors Necessary, Operating Knob Conveniently Located; A Handy Switch.

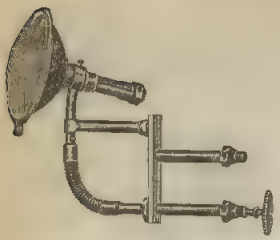
Standard Model

	Each
No. 3580—Six inch Door; 21 Candle Power; Black Enamel Finish with Nickel Trimmings; Without Mirror; Weight 6 lbs.	$24 00 16.00

One in a Carton

SPOT LIGHTS

SILVER BEAM



For Closed Cars

Fits All Closed Car Models and Operates from the Inside; Can be Focused to the Rear to Use When Backing.

Solid Brass Lamp, Richly Finished in Nickel with Back of Reflector in All Black Enamel; Complete with 6-8 Volt D.C. Bulb and Switch.

Each

No. SB4½L—For Left Hand Side; 4½ inch Door; Weight, 4 lbs.....$16.00

No. SB4½R—For Right Hand Side; 4½ inch Door; Weight, 4 lbs... 16 00

One in a Carton

ELECTRIC HEAD LAMPS

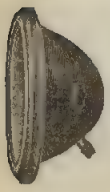
Ford Type

One Piece Bracket Support for Use on Ford Cars; Adjustable from the Rear. Diameter of Door, 9 inches; Fitted with 15 C. P. 9 Volt Genuine Mazda D. C. Bulbs.

Per Pair

No. 325—All Black Enamel; Weight per Pair, 10 lbs.....$7.50

One Pair in a Box



Hexagon Door Type

Stationary Reflector, Outside Focusing Bulb; Parabola Shape, Body Drawn in One Piece from Heavy Gauge Steel, with Two Coats of Enamel Baked on. Highly Polished Parabola Reflector Fastened in Body with Cord Inserted, Making Lamp Dustproof and Preventing Rattle. Door Fastened with the Latest Type Bayonet Lock, No Hinges; Focusing Device Operated From the Front, Fitted with 15 C. P. 6 Volt Genuine Mazda D. C. Bulbs.

10 inch Door; 7½ inches Between Props

Per Pair

No. 601BE—All Black Enamel; Weight per Pair, 10 lbs.....$18 00

One Pair in a Box

11¼ inch Door; 8¼ inches Between Props

Per Pair

No. 608BN—Black and Nickel, Weight per Pair, 10 lbs.....$20 00

One Pair in a Box

SEARCHLIGHTS

For Trucks

For Trucks at Night About Unlighted Yards or Running Along Unlighted Roads it is Invaluable

GAS MODEL

A High Grade Head Lamp; Mounted on a Swivel so that it Can be Used as a Searchlight and Turned in Any Direction. Body is Drawn from One Piece of Steel; has Two Coats of Enamel Baked on; Equipped with 6 inch Genuine Mangin Mirror Which is Ground and Polished; Diameter, 10 inches.

Each

No. 141—Gas; Weight Each, 10 lbs.....$18.00

One in a Box

ELECTRIC MODEL

A High Grade Head Lamp; Mounted on a Swivel so that it Can be Used as a Searchlight and Turned in Any Direction; Body is Drawn from One Piece of Steel, has Two Coats of Enamel Baked on; Equipped with 6 inch Genuine Mangin Mirror Which is Ground and Polished; Diameter, 10 inches.

Each

No. 162—Electric; Weight Each, 10 lbs.....$18.00

One in a Box

TRUCK AND TRACTOR LAMPS

Spot Light for Tractors and Trucks

Enables Owner to Operate Tractor at Night; Heavy Pressed Steel Body Finished with Olive Drab Enamel; Heavy Silver Plated Reflector, Designed to Throw a Wide-spread Light, Fastened to Cord Gasket, Making Lamp Dust and Rattleproof; Rear Lamp Attached to Main Lamp by 10 foot Cord for Use as an Auxiliary Lamp; Adjustable Bracket; 21 C. P. Nitrogen Bulb, 4 C. P. Rear.

Each

No. 328—Weight Each, 5 lbs.....$16.00

One in a Box

Eager dealer acceptance proves Stephens' exceptional value

To our 1924 announcement of finer Stephens models at new and lower prices, the dealer response has been cordial and country-wide. In these eight custom-built body-types, with their distinction of design, abundant power and notable service records, dealers recognize a profit-opportunity further enhanced by the *new prices.*

Typical of Stephens ingenuity—value unrivaled at $1475—is our new Phaeton-Sport. It identifies a line that, point for point, outclasses any six-cylinder fine car in the field between $1295 and $2250. Behind that line is a franchise we believe to be the most generous any motor car builder can offer . . . If you contemplate bigger things for 1924, investigate the 1924 Stephens. Write for our terms—base your decision on *facts.*

1924 Models and Prices

Touring Car, 5-passenger, $1295; Roadster, 2-3-passenger, $1295; Phaeton-Sport, 5-passenger, $1475; Touring Sedan, 5-passenger, $1595; Standard Sedan, 5-passenger, $1995; Sport-type "Foursome," 4-passenger, $1750; Touring Car, 7-passenger, $1595; Sedan de Luxe, 7-passenger, $2250.

All prices f. o. b. Freeport, Illinois

STEPHENS MOTOR CAR COMPANY, INC., *Moline, Illinois*

STEPHENS

Finer Motor Cars *At Lower Prices*

Stephens today offers live dealers more profit than any other line!

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$11,000,000

WORTH OF

STEPHENS

Motor Cars

WERE ORDERED AT THE NEW YORK SHOW

by old *and new* Stephens dealers. The 5 passenger Touring Car at $1,295 and the Touring Sedan at $1,595 dominated owner as well as dealer interest. See these remarkable new cars see the complete Stephens line at Philadelphia, Cleveland or Chicago. Don't lose any time if you want to secure a territory for the greatest value-and-performance cars of the year. Write or wire to Moline today for four-color catalogue, specifications and full information about open territories and the *permanent* Stephens contract.

R. W. Lea
Vice-Pres. and Gen. Mgr.

STEPHENS MOTOR CAR COMPANY, INC.

Executive Offices: MOLINE, ILLINOIS *Factories:* FREEPORT, ILLINOIS

STEPHENS

TOURING CAR, *5 Pass.*	$1295
ROADSTER, *2-3 Pass.*	1345
TOURING SEDAN, *5 Pass.*	1595
TOURING CAR, *7 Pass*	1685
STANDARD SEDAN, *5 Pass.*	1895
SPORT "FOURSOME," *4 Pass*	1985
STANDARD SEDAN, *7 Pass.*	2385

PRICES, F. O. B., FREEPORT, ILLINOIS

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ALEMITE

High pressure lubricating system

Interior of Davis-Godley-Wilson Tire Co. store. Note Alemite Cabinet in center of counter. Circle: Alemite "H-15" Portable Compressor in use at their lubricating rack.

"Alemite Cabinet Increased Our Sales 400% in Six Weeks"

"Six weeks ago we put an Alemite Cabinet on the counter and displayed several Alemite posters in the window. Since then our sales have jumped 400%," writes the Davis-Godley-Wilson Tire Co., of Kansas City.

Link your place of business with our tested selling plan, go after the Alemite business in your locality and you, too, will get quicker turnovers and make more money.

With the Alemite Cabinet, the Alemite Equipment Manual and a small investment in stock you can easily and quickly sell an Alemite System for any make of car or truck.

The attention-getting Cabinet will also help you share in the steady and profitable replacement business coming from the three million cars already Alemite-equipped.

Alemite Lubricant and Alemite Lubricating Spring Covers are two nationally advertised, fast selling products included in the Alemite Proposition. Dealers, write today for full details!

A Product of

THE BASSICK MANUFACTURING COMPANY

2666 North Crawford Avenue, Chicago, Illinois

Alemite Products Company of Canada, Ltd., Belleville, Ontario

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Bodies for every line of business

The Stewart 1-Ton Truck

Biggest Selling Opportunity

In the Truck Field

Model 10X—3½ to 4 Ton—With Stake Platform Body

Model 9—1½ to 2 Ton—With Stake Platform Body

Model 7X—2½ to 3 Ton With Under Hoist and Combination Dump Body

With the Stewart 1-Ton Truck you undersell any truck of like size and quality by $300 to $700.

Prove that to yourself by comparing the specifications. You will find the Stewart matches trucks costing up to $1800.

Buyers want that kind of value. That makes it profitable for dealers to handle as their success everywhere proves.

And the Stewart 1-Ton Truck typifies the price and quality advantage of the entire Stewart line. Stewarts cost from $300 to $900 less than comparable trucks in all sizes. Eleven years of manufacturing success and financial stability is a guarantee of permanence offered by few other truck builders.

Some desirable territories are open. Write today. Liberal Discounts to dealers in small territories.

Owners Praise Its Economy

Take particular note of the Stewart 1-ton truck illustrated above. It gives in service 14 to 17 miles on a gallon of gasoline—10,000 to 12,000 miles on a set of tires—500 to 700 miles on a gallon of oil.

Compare this Stewart with any 1 ton truck on the American market.

Five bearing crankshaft, multiple disc clutch; electric starting and lighting, truck type bevel gear axle. Body and equipment complete, it costs less than the chassis alone of many trucks it will out-perform and out-last.

STEWART

MOTOR CORPORATION Buffalo N.Y.

Incorporated 1913

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Here's the Display Board that Asks 'Em To Buy

A FLASH of color you simply can't resist looking at. Mounts 50 Ford Red Top Plugs.

This sales compelling Display Board is *free* to you with an order for 100 plugs —and you'll sell 'em.

Your customer just naturally reaches for a plug—"Say, Jim—what's this plug, a new one?"

This gives you your chance to tell 'em, and that's your chance to sell 'em.

We believe it's the best value—best looking—best selling plug you've ever [redacted]

The complete line of 6 sizes takes care of every car on the market. Spit Fire is priced lower *to you* than any other standard plug.

Without delay—today—get in touch with us. Order your 100 and your board *now*.

MOSLER
METAL PRODUCTS CORP.
MT. VERNON, N. Y.

Ford Size
60c

All Other Sizes
$1.00

"Spit Fire"—a Name as Old as the Industry

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Atlas Ball Quality

The Closest Approach to Perfection

THE successful performance and life of steel balls in their various applications ranging from use in ball bearings for high-speed instruments of precision to supporting the most massive structures such as gun turrets, swing bridges, etc., is dependent upon ball quality—accuracy, uniformity of composition, hardness and *resistance to fatigue*.

There is only one grade of Atlas Steel Balls—those made to the highest standard of perfection. Every Atlas Ball is perfectly finished and guaranteed to be round and true to size within a tolerance of plus or minus ½ of 1/10,000 inch. Furthermore, Atlas Balls are made of the highest grade chrome steel obtainable, so treated that they are really remarkable for their extreme hardness, toughness and durability—having a resistance against shocks and the repeated application of loads that is not approached by any other commercial ball.

Nowhere in the world will you find a ball that embodies every one of these essentials to the same extent as Atlas. This has been proven to the satisfaction of the best engineers in this country and for this reason Atlas Balls have the enviable reputation of being "The Premier American-Made Balls."

ATLAS BALL COMPANY

GLENWOOD AVE. AT FOURTH ST. PHILADELPHIA, PA.

1920

ATLAS STEEL BALLS

ALSO BRASS, BRONZE MONEL AND SPECIAL METALS

Made Under
SKF
Supervision

THIS SYMBOL IN ANY ADVERTISEMENT MEANS: SEE "CHILTON AUTOMOBILE DIRECTORY" FOR COMPLETE BUYING INFORMATION

Sunoco is a business opportunity

CONCENTRATION on Sunoco Motor Oil is the *business policy* of hundreds of progressive oil merchants.

Concentration means cutting out the "ordinary oils"; getting away from the fear of price competition, handling only the oil that is of real value as a lubricant and is sure to bring repeat business.

Sunoco Motor Oil is that kind of a lubricant—pure, clean, wholly distilled; not a drop of cylinder stock in it; therefore, *nothing to form hard carbon.*

Sunoco absorbs water, overcoming scored cylinders and other troubles due to the presence of free water in the crankcase.

It flows freely at low temperatures, avoiding hard starting.

Repeat business follows the sale of Sunoco—quicker turnover higher profits, lower selling expense

Sell Sunoco and *concentrate* on it. It will make you a reputation as a lubrication specialist. You will find it one of the *best business opportunities* in the whole automotive industry.

SUN OIL COMPANY
PHILADELPHIA
Branches and Agents in Principal Cities

THE SUNOCO SALES PLAN is based on rendering to automobilists a complete lubrication service instead of merely handling oil. We have outlined this plan in our booklet "Making More Money Out of Motor Oil." Send for a copy today

SUNOCO
MOTOR OIL

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THIS SYMBOL IN ANY ADVERTISEMENT MEANS: SEE "CHILTON AUTOMOBILE DIRECTORY" FOR COMPLETE BUYING INFORMATION

300%

You'd like to increase oil sales 300%. Who wouldn't.

This man did it in seven weeks:

"I have increased my oil sales 300% since taking on Sunoco Motor Oils and Greases seven weeks ago. This increase is so remarkable I felt sure you would like to hear about it.

"Best of all, I have gained a great number of satisfied customers, who will use nothing but Sunoco, and who come to me for it."

Increased sales mean a bigger business. Satisfied customers mean a better business. They're the two main things every business man wants.

They're also the two main principles in the Sunoco Merchandising Plan. It's a plan that will help any oil business become bigger; and better.

The facts about it are interestingly told in our booklet, "Making More Money Out of Motor Oil." Write us for a copy.

SUN OIL COMPANY
Philadelphia

Sun Oil Company, Limited
Montreal

Branches and Agents in Principal Cities

Please send me your free booklet, "Making More Money Out of Motor Oil"

Name _____

Address _____

Mail to SUN OIL COMPANY, Finance Bldg., Philadelphia, Pa.

SUNOCO
THE DISTILLED OIL

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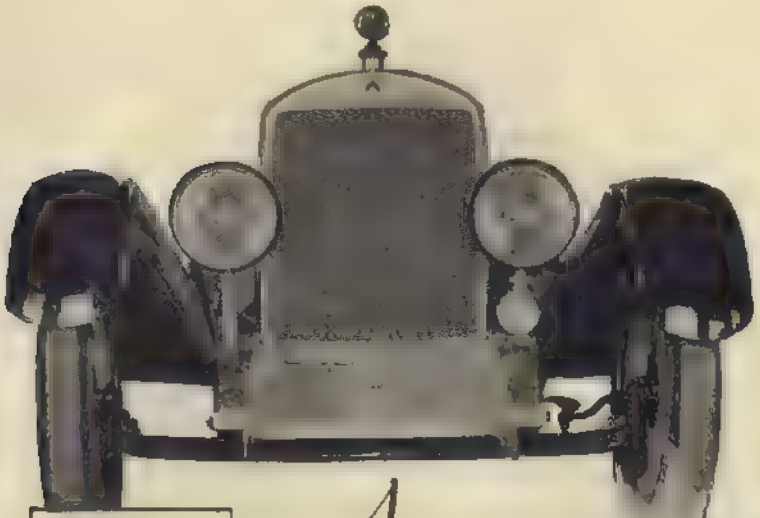

Announcing the

TARKINGTON MOTOR CAR

A successful and large organization of fine machinists and drop forgers, long making precision machine tools and forgings for the best automotive manufacturers, have developed a new motor car. They have set forth in tangible form their principles and ideas of simplicity lightness and sturdiness, ever bearing in mind at each point of design that such a car must be easily, quickly and cheaply serviced, and yet meet the first demands of speed, power, economy and ease of riding.

This car is built primarily for the man who can own a good car, but who loves to drive and care for it himself.

Thus the marketing of this car will fall to those dealers who will be attracted naturally by the make-up of the car itself, and who reach the logical class of buyers. There is now a market of more than three-quarters of a million cars of this class, with a replacement every year of 18%. Sixty per cent of this number can be sold in towns under 25,000 population. The advanced closed car policy of this company will enable the dealer to widen his natural market by reaching into other classes.

The men of this organization earnestly wish and expect their dealer force to be built upon the same principles built into this car, and upon which their own successes have been founded.

Therefore, though you should be greatly pleased with a careful and minute inspection of the car itself, you will be even more interested in the dealer agreement which has been written from the standpoint of direct, permanent connection, liberal compensation, and close co-operation in each dealer's personal territory.

At your request, photographs and specifications will be mailed and all questions fully answered.

TARKINGTON MOTOR CAR COMPANY

ROCKFORD ILLINOIS

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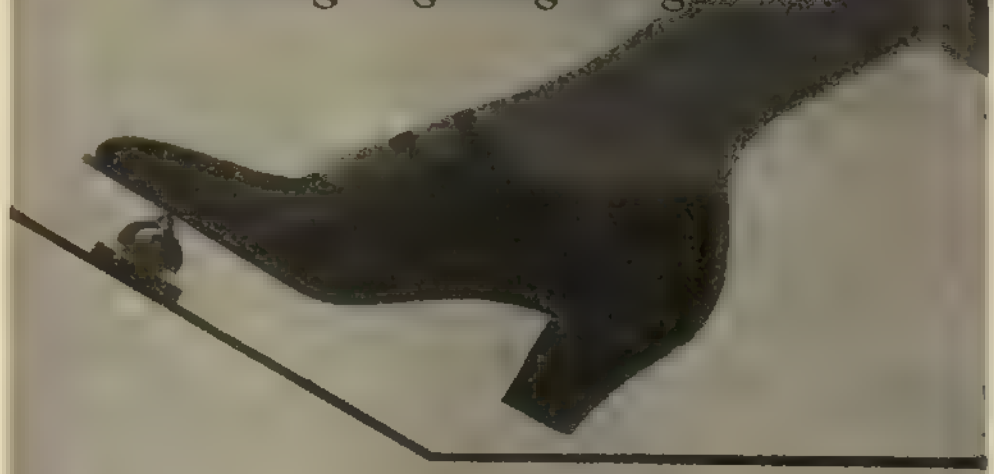
Auto-Lite

Starting, Lighting & Ignition



IT need not follow that the manufacturer who builds the *most* also builds the *best*. Quantity does not necessarily prove quality. But in the case of the Auto-Lite we believe it does.

Owners of large and small cars, and trucks, all over the country are daily demonstrating the superior excellence of the Auto-Lite System. From zero to a heat of equatorial climes, and from the western plains to metropolitan boulevards, the reports are the same; Auto-Lite functions faithfully and efficiently; and that is the final test in which every car builder and engineer is most interested.

Owners' satisfaction is the keystone to every manufacturer's success. More car owners have learned to place utmost confidence in the Auto-Lite System because of its reliability and maximum long life with minimum service attention.

THE ELECTRIC AUTO-LITE COMPANY

Offices and Works.
TOLEDO, OHIO

Detroit Sales Office:
1309 KRESGE BLDG.

The comfort with which five full-grown persons ride in the Chalmers Six Sedan-Coach has won this fine car widespread popularity.

It fills the need of the average family completely. Its grace of line and handsome exterior cause it to stand forth in any company.

Broadcloth upholstery. Satin finish hardware. Door-windows and quarter windows adjustable. Wide passageway between front seats. Double-ventilating windshield, hinged at top and bottom, rattle-proof and water-tight. Very large trunk, with water-proof cover; natural wood trunk bars. Yale locks for doors. Heater. Windshield visor. Windshield wiper, rear vision mirror. Disc steel wheels and cord tires. Price $1585 F. O. B. Detroit, revenue tax to be added

Chalmers Motor Car Company, Detroit, Michigan

Chalmers Motor Company of Canada, Ltd., Windsor, Ont.

The CHALMERS SIX

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NEW CARS AND MODELS

Cole Reduces Prices and Introduces New Model

THE startling announcement by the Cole Motor Car Co., of Indianapolis, of big reductions in prices on all its models came at the beginning of the New York show. These vary from $600 to $800 on the different models. In addition to these price reductions the suburban model was announced and put on exhibition. The prices are now $1885 for the touring, phaeton and roadster, $2585 for the coupe, $2685 for the sedan, $2885 for the suburban and Berline-limousine. The new prices should considerably increase the market for Cole cars. Ultra equipment on any of these models is furnished at $250 additional and disk or wire wheels for $35 additional.

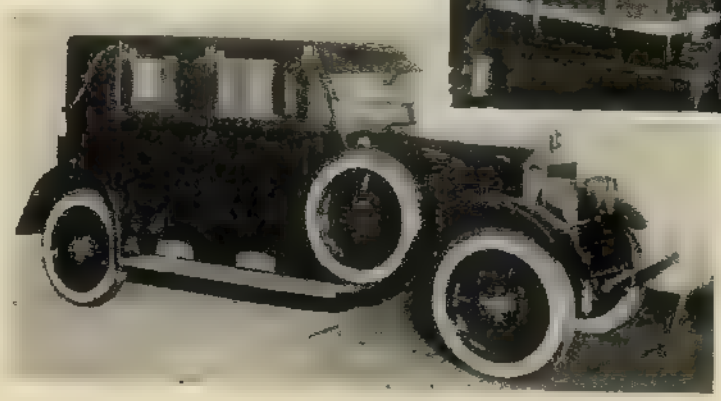
The suburban was shown with ultra equipment. It is a close-coupled 5-passenger car with four doors and nickeled bumpers front and rear. It was shown with disk wheel equipment, the spare wheels being mounted on either side at the front. This model has individual front fenders, and ¾-running boards. The rear of the body has body bars.

The doors are wide, the top is of the soft type and the car is built low. The frame of the Cole models has been made heavier and stronger. Equipment includes drum headlights, visor, ventilator, heater, footrest, dome light, corner lights and shades for rear-compartment windows. The lower half of the windshield is stationary and the seats have arm rests.

The Cole Ultra-Equipped, Four-Door Suburban Model. The Price is $3135.

The Moon 6-58 Sport Sedan

This is the model that is sometimes referred to as the Petite Touring Sedan. Descriptive details were published on page 72 of the January issue. An illustration of the trunk shows the novel means of fastening it in place.



The Most Completely and Conveniently Lubricated Car in America

BELIEVING that the more progressive type of automobile merchandiser is looking for a car with which he can fill the demand for a car that will meet the requirements of the buyer who wants to express *his* individuality and who wants distinction in the car he drives, in addition to dependable and carefree service, we are suggesting that you investigate the new Courier.

The Sedan

The Complete Courier Line

STANDARD EQUIPMENT		WITH SPORT FEATURES	
Phaeton, 5 Passenger	$1235	Phaeton, 5 Passenger	$1395
Runabout, 2 Passenger	1195	Runabout, 2 Passenger	1295
Coupe, 2 Passenger	1495	Four Passenger Sport	1565
Coupe, 3 Passenger, extra folding seat	1745	Coupe, 2 Passenger	1595
Brougham, 5 Passenger	1875	Coupe, 3 Passenger, extra folding seat	1895
Sedan, 5 Passenger	2055	Brougham, 5 Passenger	1995
		Sedan, 5 Passenger	2165

Prices are all F. O. B., Sandusky

Standard Equipment includes Running-Boards with Standard Fenders, Wood Wheels, Drum Shaped Headlamps, Windshield Wiper, Nickel Plated Radiator Shell, Anti-glare Lens, Custom-built Bodies, choice of five bright colors, Automatic Chassis Lubrication and Dry Crank-case oiling.

Sport Equipment includes features listed under Standard Equipment with following changes and additions: Choice of Wood or Disc Wheels, Nickel Sport Drum Head Lamps and Cowl Lamps Combination Stop and Tail Lamp Bicycle Type Fenders and Individual Steps, unless Running Boards are specifically requested

In addition the Four Passenger Sport Model carries the following extras without additional charge Single Bumper, Front and Rear, Visor Cigar Lighter Electric Clock Carpet in front compartment, Leather Strap Robe Rail Rear View Mirror, Trunk Rack and Trunk Guard Bars Spot Light, Spare Tire and Tube, Snubbers and usual Sport Features

Courier Features

Forty-six horsepower 6-cylinder valve-in-head engine. Full pressure dry crankcase engine lubrication. Transmission ball bearings throughout Powerful easy operating brakes. Low-hung chassis with ample clearance Automatic chassis lubrication pressure oil plunger forces oil to chassis bearings 32 x 4 non-skid cord Tires. Large headlights with anti-glare lenses. Bright nickel-plated radiator shell. Custom-built bodies, made complete in Courier plant, roomy, yet, smart-appearing Rattle proof doors Choice of five bright colors Several body options Approximately 20 miles to the gallon of gasoline over 500 miles to quart of oil, and 12,000 to 15,000 miles on a set of tires.

THE COURIER MOTORS COMPANY

SANDUSKY, OHIO

The COURIER Six

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A New Brunswick Dealer Help

Friction-Proofed
BRUNSWICK
Tires

BRUNSWICK introduces a monthly magazine for its dealers. The Booster is published to better serve the interests of Brunswick dealers to function as a medium for the exchange of ideas between Brunswick dealers and the company.

THE BRUNSWICK-BALKE-COLLENDER COMPANY

Manufacturers, Est. 1845 **General Offices: Chicago, Illinois** *Branches in All Principal Cities*

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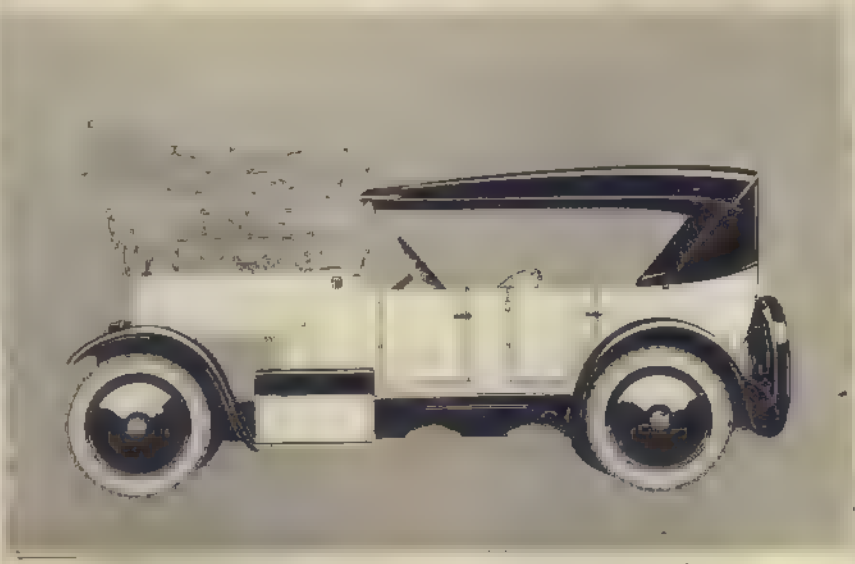
BEAUTY · STRENGTH · POWER · COMFORT



The new Haynes 57 Standard Touring Car—trunks furnished at extra charge

A NEW HAYNES CAR

Now ready for display at local Haynes Showrooms

THE new 1923 Haynes Model 57 Touring Car is one of the handsomest automobiles ever produced in the great Haynes factories at Kokomo.

Its rich Burgundy Wine color—a tint created by our own decorative experts—enhances the artistic lines of the body and lends even more dignity to the beauty of the fittings and finish.

The new, improved body has wider and more resilient seats, greatly increasing the comfort and ease of the passengers The upholstery is in a refined, plain, club style black leather with no plaits. Full length running boards with polished scuff plates, newly-designed crown fenders of sport type, and a new style instrument panel are 1923 features. 32 x 4½-inch cord tires; wooden wheels—with Harvey disc wheels optional.

READY: Factory production was planned when the new models were designed and we are ready to make delivery immediately on these sales-winning cars.

Write, telephone or telegraph for confidential interview regarding attractive open territory. Address Dept. 250.

THE HAYNES *Touring Car* 57
FIVE PASSENGERS

THE HAYNES AUTOMOBILE COMPANY, *Kokomo, Indiana*
EXPORT OFFICE: 1715 Broadway, New York City, U.S.A.

Copyright 1922, by The Haynes Automobile Company

1893 · THE HAYNES IS AMERICA'S FIRST CAR · 1923

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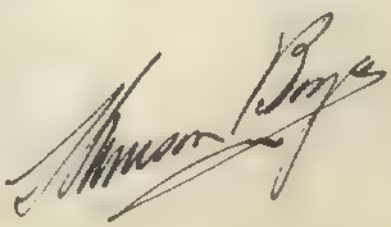
HARRISON H. BOYCE
and
THE MOTO-METER COMPANY, Inc.
Plaintiffs

— *vs.* —

PYRENE MANUFACTURING CO.
Defendant

On January 22, 1923, His Honor, Judge Bodine, sitting at Trenton, N. J., in the United States District Court, District of New Jersey, granted to Harrison H. Boyce and The Moto-Meter Company, Inc., a preliminary injunction under the Boyce Patent Number 1,090,776, restraining the Pyrene Manufacturing Company from manufacturing, selling or offering for sale, a certain motor heat indicator for automobiles called the "Guardene," which was recently exhibited at the New York Automobile Show by said Pyrene Manufacturing Company.

The Moto-Meter Company, Inc.



BUELL SIGNALS WARN EVERY TIME

There are 500,000 BUELL signals in use today. Who sold them? Did you?

Some one made a profit on those 500,000 signals.

BUELL sales are increasing every day. If you are not selling BUELLS you are missing out on profits you should make.

Write us at once.

BUELL MANUFACTURING COMPANY

Cottage Grove Avenue at 30th St., CHICAGO

Sell RADIO in the Winter—Watch for Our Announcement

Light

Brings Business

VICTORY VISIBLE

Motor Driven Gasoline Pump is electrically illuminated—the gasoline gleams through the glass measuring tank at night, as clearly visible as in the sunshine.

Put a VICTORY VISIBLE in front of your place. It is a fine looking, absolutely reliable pump. At night it is a bright spot in the dark to bring you business.

Write us and get all the facts about the VICTORY VISIBLE.

Tokheim Oil Tank & Pump Company
1601 Wabash Avenue
Fort Wayne Indiana

The

Automobile Trade Journal

has nearly two and a half times as much paid trade circulation as any other motor publication

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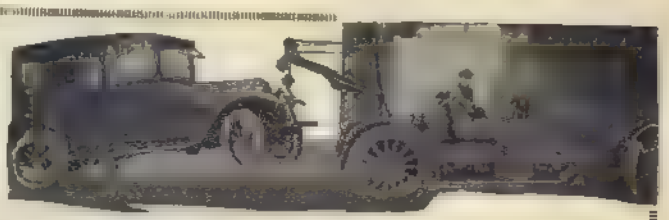


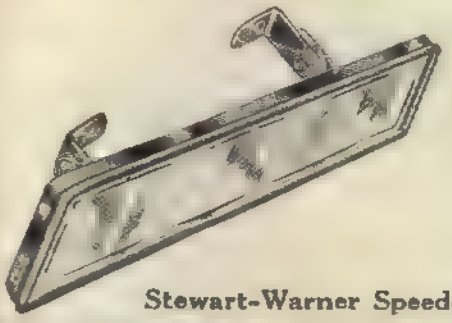
YOU can bring much more business to your shop if you are equipped to tow in disabled cars. Sasgen Service Truck Derricks are sold with a guarantee of satisfaction. A good investment in your business at $138. Order one now and cash in on the Fall and Winter season. All inquiries will receive prompt personal attention. *Distributors of Repair Shop Equipment Wanted.*

SASGEN DERRICK CO. 3105 W. GRAND AVE. CHICAGO, ILLINOIS

Western Sales Office
1012 Ford Building
Detroit, Mich.

Angular Contact Radial Bearings.
Angular Contact Thrust Bearings.
Thrust Ball Bearings.
Made to the blueprints and dimensions required by customers.
"Star" Ball Retainers for Thrust, Magneto and Cup and Cone Bearings.

The Bearings Company of America
Lancaster, Pa.

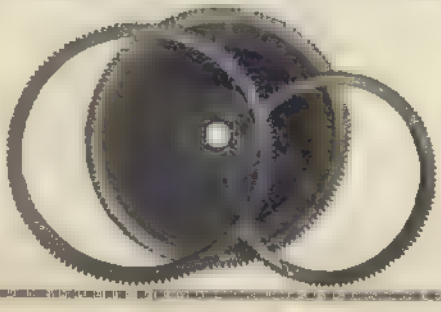


Stewart
De Luxe Mirror, $4
and
Stop Light, $6

Stop Light With
Instrument Board Check
Light, $8.50

Stewart-Warner Speedometer Corporation, Chicago, U. S. A.

NEW LOW PRICES ON RINGS!



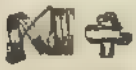
Get our new low prices and discounts on Meachem Steel Gear Rings for flywheels. High carbon rings. Quantity production enables us to quote surprisingly low prices.

The Meachem Gear Corporation
Syracuse, N. Y.

FLEXMET

Flexible, Like Rubber — *As Strong as Solid Pipe*

Flexible Metal Hose



Carburetor Hose and Stove

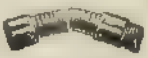
Post and Dash Controls

Quickest, easiest and most satisfactory way of making all engine, carburetor and exhaust connections. Bends by hand. As strong as solid pipe. Cannot crystalize, leak nor break. Supplied complete with fittings.

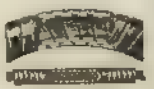
Wire Covering for Automotive Circuits, Speedometer Drives, Post and Dash Controls With Casing and Inside Wire, Fuel Strainers, Etc.

Gasoline and Oil Hose of Superior Quality

Bulletins on Request



Exhaust Pipe Assembly



Speedometer Shafting

Breeze Metal Hose & Mfg. Company

254 South Street, Newark, N. J.

Sales Offices in Principal Cities — Distributors Wanted

Increasingly Used

The reliability and satisfactory service of GLOBE Traffic Signals is becoming known to an ever-enlarging number of motorists.

This increasing use of GLOBE Traffic Signals has resulted in an enlarging volume of sales, most pleasing and profitable to dealers who sell them.

The Globe Machine & Stamping Co.

Cleveland, Ohio

World's Largest Producer of Traffic Signals, Tool and Battery Boxes

$1995 to $2550 (factory)

STUTZ SIX

The Sign of STUTZ *the Genuine*

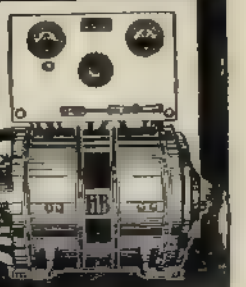
STUTZ SPEEDWAY SERIES, $2450 to $3490 (factory)

STUTZ MOTOR CAR CO. OF AMERICA, Inc., *Indianapolis, Indiana*

Big Profits in 8 Hour Battery Charging

Start Your BIG Money-Making Business

You can make big profits charging batteries with HB Constant Potential 8-Hour System. No experience needed. You Can Clear $150 to $300 Every Month. HB outfit comes complete, ready to connect and operate. Now Built-in Patented HB Voltage Regulating Winding Absolutely Eliminates Reversing. Saves current, labor, time and all. Eight with attachment charges 6, 12 or 24 volt batteries. Better, longer, improved than methanoid 3-day system. Quick service builds trade, satisfied customers makes big, steady profits for you.



$20 Monthly Pays for Your HB Charger

Small cash payment brings your HB Constant Potential Charger. Easy Terms of Only $30 Monthly Quickly Pay Balance from Your Profits. 30 Days' Free Trial on Money Back Guarantee Lets You Try HB Outfit at Our Risk. Oversize HB construction Insures 1-3 More Output Than Any Other Outfit of Similar Rating. Start now to make big battery charging profits. Write today for information. Ask about other HB money-makers—air compressors, buffers, motors, etc. All sold on easy payments.

Hobart Bros. Co. BOX 710 Troy, Ohio

Small Cash Payment—Your Profits Quickly Pay Balance

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Model T—5-7 Ton Capacity. Price, Chassis Only, $4475
Owned by The Smith & Clark Co., Scranton, Pennsylvania. Equipped With Special Ice Body.
This firm Operates 43 U. S. Trucks, Some of Every Size We Build

U. S. TRUCKS

AND THE PASSENGER CAR DEALER

Model U 1½ Ton, Express Body With Canopy Top and Cab. Price, Chassis Only, $1575

Model N 1½ Ton, Special Furniture Body. Price, Chassis Only, $1775

Model NW-23 1½-2 Ton Special Stake Body. Price, Chassis Only, $2175

You have established valuable good will in your community. Your customers are sold on your integrity and on the quality of your service. Capitalize this good will and increase your profits substantially with practically no increase in investment or sales effort

Do It by Selling U. S. Trucks

Many car owners are excellent prospects for motor trucks

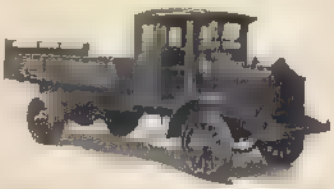
During fourteen years U. S. Trucks have established enviable performance records in this and 54 foreign countries. They are built by one of the largest and most successful exclusive truck manufacturers

The U. S. line includes seven sizes, from 1½ to 7 tons capacity, with a U. S. Body for any and every hauling need. U. S. Trucks are an all quality product, set apart from those that ever before. Other trucks may do fine work, but not of the same type as the U. S. Sales Plan has taken the GUESS WORK out of truck merchandising.

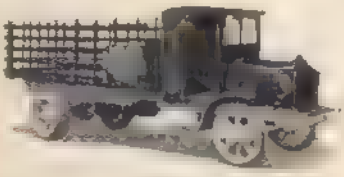
Write for the Book "How to Make Money in the Motor Truck Business"

United States Motor Trucks

Model R—2½-3 Ton, Moving Van Body. Price, Chassis Only, $2675



Model S 3½-4 Ton, Dump Body and Horizontal Hoist. Price, Chassis Only, $3425



Model S—Special, 4-5 Ton Stake Body and Cab. Price, Chassis Only, $3725

ESTABLISHED 1909

The United States Motor Truck Co.

INCORPORATED

CINCINNATI, OHIO, U. S. A.

The Walker Jack Merchandiser fairly shouts this reminder to all motorists who come in. It magnets their attention and "Asks 'em to buy."

Only one motorist in three has a jack of any kind. Half of those who have jacks need a new one. This rich field of profit for dealers is only about half covered. Why?

We decided it was because busy dealers could not find time to "merchandise" jacks. The public did not buy more because it was not asked to do so. So we brought out this new Walker Jack Merchandiser which over 6,000 live dealers are now using with sensational results.

A Walker Jack for Every Car

You can remember when speedometers, horns and windshields, for example, were accessories on the finer cars. Now they are necessities on all cars. A jack is an essential every motorist should have. Sooner or later every man gets one. Sell them Walker Jacks as they come in. That's what the Merchandiser does.

A Salesman Always on the Job

Every motorist who comes in is *asked* to buy a jack when you have this Merchandiser and it costs you no time or trouble. Your prospect can't get away from the question. It slaps him right in the face at the door. Dealers report their Walker Jack sales doubled and tripled the first month. One multiplied his sales by four.

Free With Standard Assortment

The Walker Merchandiser, costing over **$7.50** to make, comes free with a standard assortment embracing seven types of Walker Jacks, 15 in all. Ask your jobber's salesman for prices and discounts.

THE WALKER MANUFACTURING COMPANY
Racine Wisconsin

Walker JACKS

"Dependable in Emergencies"

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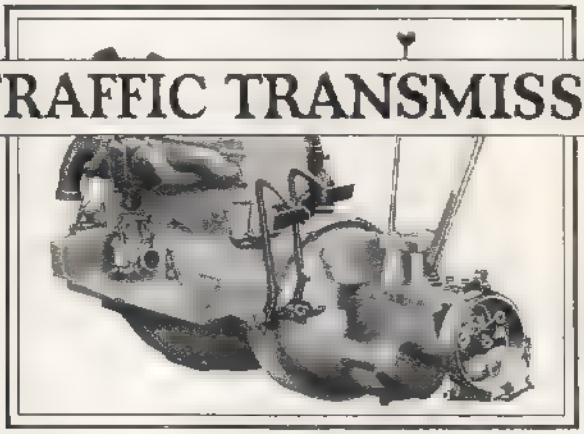
Announcing the Biggest Advance in Automobile Design Since the Self-Starter

The TRAFFIC TRANSMISSION



as an Exclusive Feature in the

1924 CHANDLER

As an exclusive feature of its 1924 models, the Chandler presents the biggest advance in motor car construction since the self-starter

THE TRAFFIC TRANSMISSION

Involving a totally new principle. The Traffic Transmission makes its first appearance on a passenger car in the 1924 Chandler.

It is absolutely clash-proof. It can be shifted at any speed by the most inexperienced driver with the pressure of a little finger.

The shift is made without noise and with perfect surety and safety. For braking purposes it is possible to change noiselessly from high gear back to second, and from second back to low at all normal driving speeds.

No sliding gears in the Traffic Transmission! No trying to force two rapidly spinning gears into mesh. For all gears of the Traffic Transmission are always in mesh. That is what insures the positive, silent, instantaneous shift and prevents chipped and shattered gear teeth.

In addition to the Traffic Transmission, the 1924 Chandler contains the now famous

PIKES PEAK MOTOR

with an important oiling system improvement and with its operation made flawlessly smooth and noiseless.

If you want to make big money next year, write at once for complete information about the revolutionary idea involved in the Traffic Transmission.

The dealer who goes into 1924 selling the only car employing Traffic Transmission will enjoy an exclusive sales advantage so powerful that the profits he makes will depend entirely on the number of demonstrations he gives! For the man who drives a 1924 Chandler will buy!

THE CHANDLER MOTOR CAR COMPANY CLEVELAND

Export Department, 1819 Broadway, New York City Cable Address "CHANMOTOR"

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A Wayne Pump Brings Customers to Your Door

A Wayne Gasoline Pump at a dealer's curb is a constantly busy business-booster.

It is continually bringing customers to the very door of the place.

The prime importance of a Wayne Pump to any accessory or hardware dealer's business is the fact that it enables the dealer to greatly increase his accessory sales, if it is used effectively.

You can't go wrong by learning how Wayne Pumps are being used to make sales, and how other dealers increase profits by this means. Write for the information.

Wayne Tank & Pump Co., 702 Canal St., Ft. Wayne, Ind.
Canadian Tank & Pump Co., Limited Toronto, Ontario, Canada
Division Offices in: Atlanta Boston, Chicago, Cleveland, Dallas, Detroit, Kansas City, Minneapolis, New York, Philadelphia, Pittsburgh, San Francisco and Los Angeles
Warehouses in: Philadelphia and San Francisco
An International Organization with Sales and Service Offices Everywhere

REG. U.S. TRADE MARK

Wayne

HONEST MEASURE PUMPS

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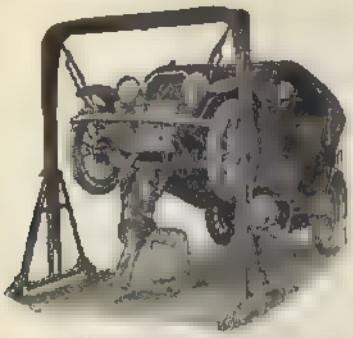


Weaver Auto Hoist
Meets every requirement of hoisting service inside and outside of shop.

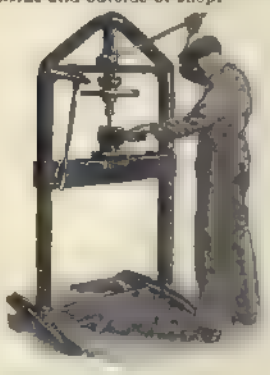
Double profits on winter overhauling *with this* WEAVER Equipment

EVERY car in your vicinity is going to need repairs after months of hard service this summer. This winter overhauling work will prove a gold mine for you—if you put the essential Weaver equipment shown on this page to work for you now.

With this Weaver equipment you will net a far bigger profit on each individual job, because it will enable your mechanics to turn out much more work in less time. And, what is even more important, the better quality of your work will attract new customers that are the life blood of any business that wishes to forge ahead.

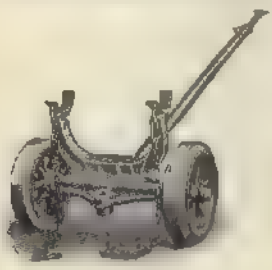
Weaver Equipment is sold by leading jobbers everywhere.

Your jobber's salesman will be glad to give you any further information you may desire, without obligating you in any way. If your jobber does not handle the Weaver line, write us direct.

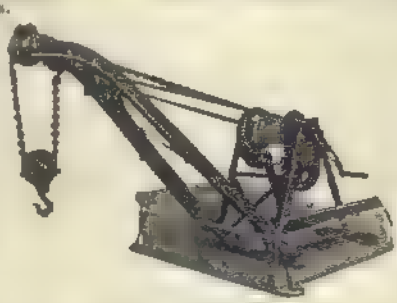


Weaver Hi-Speed Press
The most efficient garage press on the market, combining in one press the advantages of a speedy rack and pinion press and a heavy duty screw press.

WEAVER MANUFACTURING CO.
Springfield, Illinois, U. S. A.
Weaver Canadian Co., Ltd., Chatham, Ontario



Weaver Auto Ambulance
Indispensable for handling towing work quickly and economically. Can be readily attached to either axle.



Weaver Auto Crane
A big money maker, because it enables you to bring profitable repair jobs right into your shop. Compound gear construction gives two distinct leverages for quick adjustment of chain to load and for elevating heavy loads. Adjustable boom.

Weaver Axle Stand
Saves time and labor in repairing any type of passenger car axle, as it holds axle in most convenient position for workman. Extremely simple in design and operation.

THIS SYMBOL IN ANY ADVERTISEMENT MEANS: SEE "CHILTON AUTOMOBILE DIRECTORY" FOR COMPLETE BUYING INFORMATION

NEW PRODUCTS AT NEW YORK SHOW

The New Volco Bumper

Volator Co., Inc.
600 N. Michigan Ave., Chicago, Ill.

The Volco patented rubber surfaced bar of drawn steel tubing is light in weight, powerful in resistance and covered with a heavy coating of live rubber. The rubber-steel bars are attached to the car with specially built steel spring arms. It comes in an assortment of finishes, including black, white, yellow, baby-blue, green and a rich maroon, each color pigment ingrained in the material.

A New Pep "Safety First" Bearing Grinding Compound

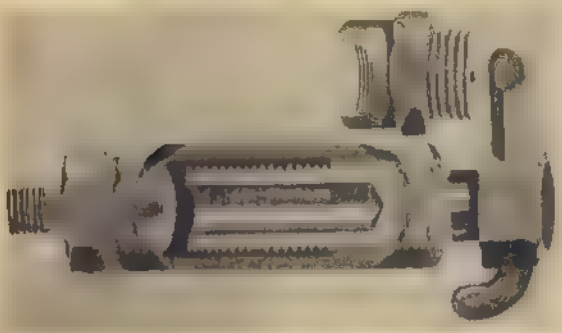
Pep Mfg. Co., Inc.
33 W. 42nd St., New York, N. Y

has placed a new bearing grinding compound on the market. The new compound, which may be mixed with either oil or water, is said to be absolutely safe and does a smooth job at greatly increased speed. Price, 4 oz. can, $1.

Spillman Engine Stand; Revolving and Adjustable

John C. Hoof & Co., 159 W. Illinois St. Chicago, Ill.

In the Spillman Engine Stand a right and a left-hand slotted bracket are bolted on each revolving ring. These brackets support side angle irons upon which the complete engine or engine base may be bolted or clamped and then revolved and secured at any angle or assembly for repair. By turning the brackets inward the side arms may be spaced as closely as 8 in., or moved outward to the extreme width of the revolving rings. This range will accommodate most of the automobile engines. For engines of greater base width up to 34 in., it is merely necessary to reverse these brackets, so that they project beyond the revolving rings.



Strickler High-Pressure Grease and Oil Gun

Bowen Products Corp
Auburn, N. Y

The Strickler High-Pressure Grease and Oil Gun, consists of a hexagon steel barrel chambered internally, and threaded for a heat-treated steel plunger which is provided with an air chamber. The lower end of the hexagon barrel is internally threaded to receive nozzles which are threaded on their outer end to screw into grease cup openings. These nozzles are interchangeable and are made in standard sizes, both male and female to fit all standard openings. All guns are provided with ⅛ in. pipe thread nozzle which takes care of grease cup openings on over 90 per cent of all cars. This gun which is said to exert a pressure of from 15,00 to 18,000 lb. at the nozzle, will force rust, corrosion and old hard grease out of a clogged bearing and leave it filled with fresh grease. Price complete, with standard ⅛ in. nozzle $15. The garage extra nozzle outfit consists of 18 pieces, including one ⅛ in. I. P. nozzle and one elbow in a neat case. This makes a complete high-pressure grease and oil gun outfit which will take care of almost any car made. Complete set, including gun, $18

Weaver New-Way Jack Model B

Weaver Mfg. Co., Springfield, Mass

This new Model B jack is a very compact, easily operated and efficient jack for lifting and transporting cars and trucks in the garage, show room, service station and at the curb. All the popular features of the Model A jack, including the pivoting wheels, which permit the jack to be guided by the handle, are included in this new Model B, together with various refinements in construction that add materially to its ruggedness and durability.

You can easily reach any axle with this Model B WEAVER New-Way Jack

New Features you'll be interested in

TELESCOPING STANDARD can be dropped to minimum height of 8 inches, sufficiently low to be inserted under any car axle, and raised to a maximum height of 17½ inches, high enough to reach unusually high axles

STANDARD SLEEVE supports standard rigidly when drawn up to its maximum height and prevents binding under heavy loads

ROLLER BEARINGS are located within axle housing instead of within wheel hubs, preventing undue friction and wear under side thrust

REAR CASTER is clamped to jack by heavy bolt and can easily be replaced if damaged. Two sets of ball bearings reduce friction and prevent binding

UNUSUALLY HEAVY, DURABLE WHEELS that will stand up under the hardest service. Can be had with heavy rubber tires at a slight additional cost

IT'S an easy matter to get a car out of a tight place in your garage or repair shop in a hurry if you have a Model B Weaver New-Way Jack. If you haven't room to operate from the front or rear of the car, you can insert the jack from the side of the car as illustrated above. The long body of the jack enables you to reach the axle with ease, and the fact that the wheels of the jack pivot and are controlled by the handle, makes it easy to guide the jack into just the right position under the car the "first crack out of the box."

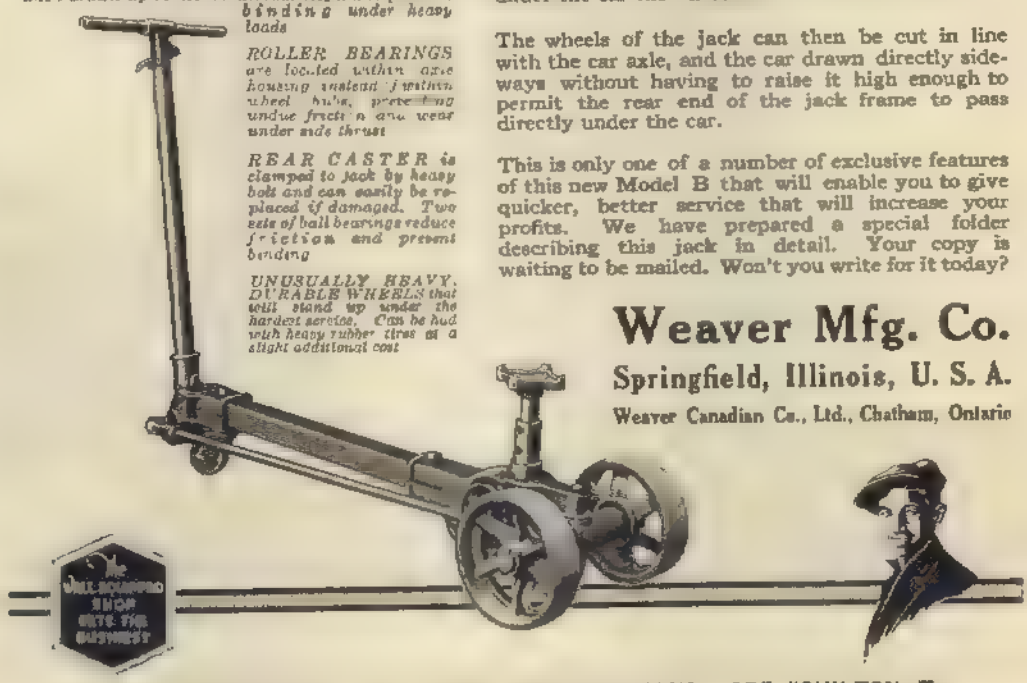
The wheels of the jack can then be cut in line with the car axle, and the car drawn directly sideways without having to raise it high enough to permit the rear end of the jack frame to pass directly under the car.

This is only one of a number of exclusive features of this new Model B that will enable you to give quicker, better service that will increase your profits. We have prepared a special folder describing this jack in detail. Your copy is waiting to be mailed. Won't you write for it today?

Weaver Mfg. Co.

Springfield, Illinois, U. S. A.

Weaver Canadian Co., Ltd., Chatham, Ontario



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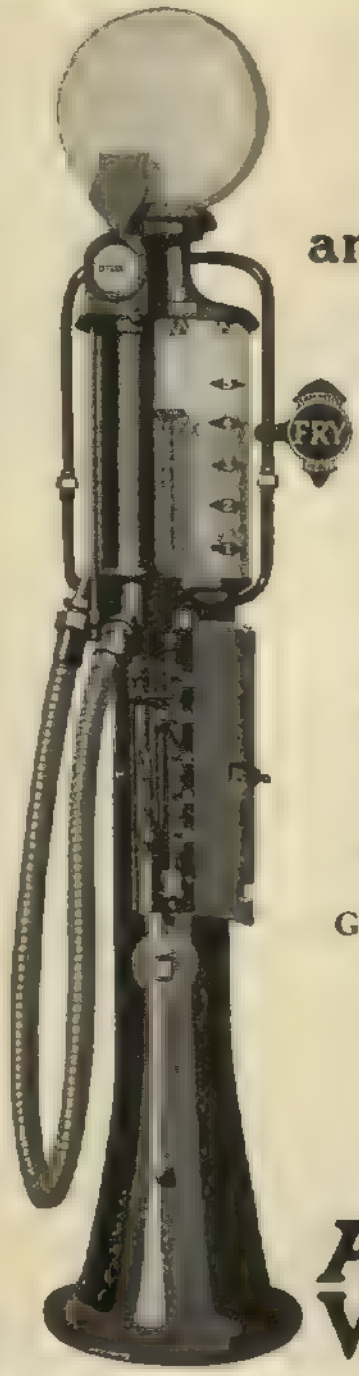

another Reason—

Another reason probably for this great pump's great success is the fact that its operation requires no foot valves or check valves!

Fry Guarantee measuring is accomplished automatically. There are no extra contrivances to cause trouble.

Hence, faster work, also maintenance and service reduced to bedrock minimum!

There are other reasons—innumerable reasons. Ask us some.

Guarantee Liquid Measure Co.
Dept. T. J.
Rochester, Pennsylvania

Fry Guarantee Visible Pump

THIS SYMBOL IN ANY ADVERTISEMENT MEANS: SEE "CHILTON AUTOMOBILE DIRECTORY" FOR COMPLETE BUYING INFORMATION

The Greatest Achievement of a Great Organization

The new Willys-Knight Coupe-Sedan—an innovation—an entirely original body creation of steel, combines the chummy sociability of the Coupe with the convenience of the Sedan. A modish enclosed car for five. Its doors both front and rear avoid the inconvenience of folding seats and provide equal comfort for host and guests.

The new Willys-Knight Seven-Passenger Sedan and Touring Car are seven-passenger in fact as well as in name.

Four new Willys-Knight body styles on the five-passenger chassis introduce numerous improvements. In all these cars the motor improves with use.

The new low-priced Overland is wonderful value. The body of the Touring Car is entirely of steel. Its finish is hard baked enamel. Its tires are oversize. The hood is higher. Body lines are longer. Seats are lower. Triplex springs give comfort and add to the life of the car.

The new Overland leads in low cost of gasoline and upkeep; styles—Five-Passenger Sedan and Touring, Roadster, Coupe.

The enthusiasm of those dealers who have seen this new line of cars, justifies the confidence that Willys-Overland dealers have an extraordinary opportunity for profit-making this year.

WILLYS-OVERLAND

Toledo, Ohio

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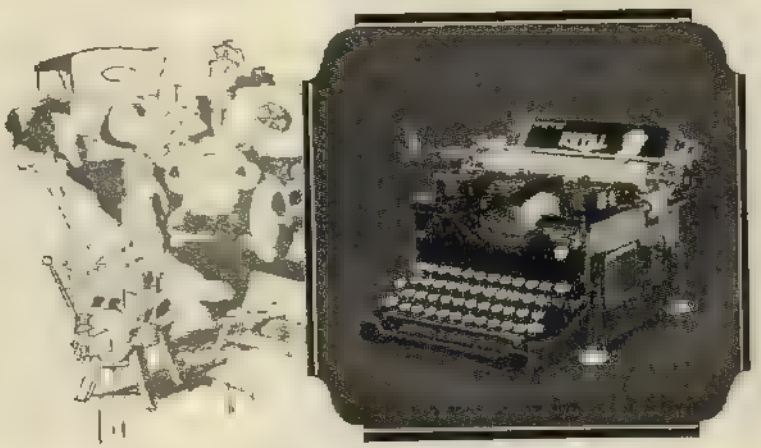


FIVE—PLUS

HERE are five outstanding advantages which the Royal Typewriter possesses—advantages which have a direct bearing on the quality, volume and cost of your typing.

The most responsive and swiftest key action to be found in any typewriter today.

The "touch" of all the keys is absolutely equalized. And the stenographer herself can adjust them all by turning a single, conveniently located thumbscrew.

A greater accessibility of all working parts.

The elimination of friction in the two parts subject to the most wear in other typewriters—the carriage tracks and escapement.

A longer period of service, because of simpler and more rigid construction, less vibration and less friction of moving parts than any other typewriter offers.

We don't expect you to share our enthusiasm for the Royal until you have seen it actually operated in your own office and had the above practical advantages demonstrated to your satisfaction. May we arrange to do this at your convenience?

ROYAL TYPEWRITER CO., INC.
Royal Typewriter Building
364-366 Broadway, New York
Branches and Agencies the World Over

"Compare the Work"

ROYAL
Trade Mark

TYPEWRITERS

Dependable, Sturdy, Service-Giving Clocks

Well Made—Quality and Workmanship Guaranteed

8-Day Time and 8-Day Automatic Alarm Wind it but once a week. Seamless Brass Case. Heavily Nickel Plated. Runs and Alarms for 8 days on one winding. You wind it but once a week. The alarm rings at the time set, stops and automatically resets to ring at the same time the next day without further attention

3+6756 Price, each **$8.50**

3+6757 Price, each. Luminous Dial. . . .

3+6758
FLASH RADIUM
Radium Luminous Dial Arabic Numerals

The round spots on the minute circle back of the numerals on this dial and the hands are coated with a radium composition which lights up so brilliantly in the dark that the time can be easily read. Price each **$5.00**

3+6759 Same as above, but with plain white dial. Price each. **$3.50**

5+6760
RASCAL

1 Day time, intermittent or long alarm. Convenient switch for stopping alarm. Seamless brass case heavily nickeled. Dial 2½ inches, height 4 inches. Beveled white glass. List. **$5.20**

Can also be supplied with Radium Dial List **$6.50**

83+6761

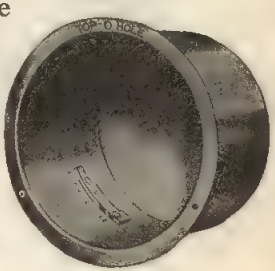
Autoria—Fits neatly in any car anywhere. Put one on the dash or the back of the front seat. 3" dial, 30 hours at one winding, second hand, silver dial, beveled glass, stem wind and set, are only a few of the good features. It is not necessary to cut a hole in the dash to attach. Screws and bolts furnished with each clock **$8.50**

Auto Clock De Luxe

3+6762

CLOCK

Automobile Flush. 8-Day Time. Finished in Nickel on Black Body Porcelain Dial 2½ Inches. Arabic or Roman Numerals. Beveled White Glass. Width of Clock, 3⅛ Inches. The shell is sunk into the Cowl-board flush, and fastened with three screws. The Clock is inserted into the Shell with the Numerals, 6 and 12 being horizontal, the 12 to the right. A short turn to the left locks the Clock in place, the Numerals then being perpendicular. It projects only ⅝ Inch from the board. The Fastening, Regulating, Setting and Winding are invisible. Price . . **$12.50**

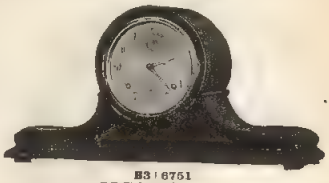


SHELL

PRECISIA TAMBOURS

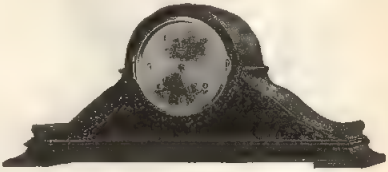
Hour and Half-Hour Strike on Single Rich Tone CHIME ROD. Rack and Snail Strike. Polished Back Movement Plates. Inside of Doors Attractively Finished. Convex Silver Plated Dials; Diameter Five Inches. Convex Beveled Glasses, Silvered Mats, Genuine Mahogany Cases, Dull Wax Finish

B3 6750
PRECISIA No. 1
Height 9¼ inches Width 21 inches
Silver Plated or Porcelain Dial
List $40.00



B3 6751
PRECISIA No. 3
Height 8¾ inches Width 17¾ inches
Silver Plated or Porcelain Dial
List $45.00

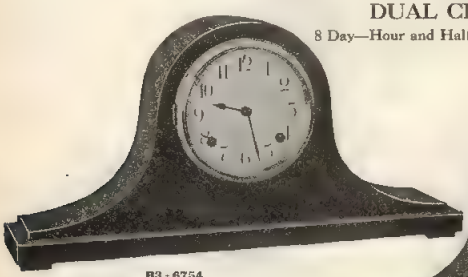
B3 6752
PRECISIA No. 4
Height 9 inches Width 20¾ inches
Silver Plated or Porcelain Dial
List $34.00



B3 6753
PRECISIA No. 7
Height 9 inches Width 21¼ inches
Silver Plated or Porcelain Dial
List $48.00

DUAL CHIMETONE TAMBOURS

8 Day—Hour and Half-Hour Strike on Two Rich Toned Chime Rods

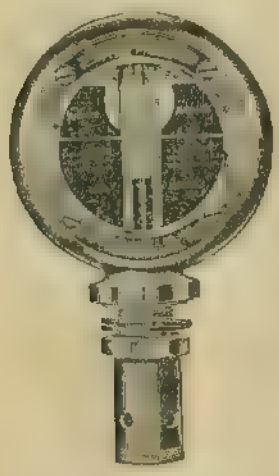


B3 6754
DAYTON
Height 9 inches Width 18 inches
5 inch Glazed Dial Convex Glass
Mahogany Case
List $27.00

B3 6755
DETROIT
Height 9 inches Width 18 inches
5 inch Glazed Dial Convex Glass, Mahogany Case
List $27.00

BOYCE MOTO-METERS

Indicates when unseen parts lack lubrication, when cooling water is getting low, or when there is an overheated condition anywhere throughout the mechanism of the car—a great trouble preventer and repair bill saver; can be attached to any radiator cap. Black dials with white letters.



Designed for the highest grade passenger cars. The temperature tube is ⅜ in. in diam., having a broad column of red liquid, readable at a great distance. This case is triple plated, and the finish of the entire instrument is of the highest quality of workmanship, equipped with Schlaich Lock

No. 5623—De Luxe, size 3⅝×5⅝ in., w't each 29 ozs. .....each *$15.00*

ONE IN A CARTON

Designed especially for severe service conditions, such as for use on trucks and tractors, diam. of thermometer tube is ⅜ in., making breakage practically impossible. Frame of the instrument is very substantial, and the thermometer tube thoroughly protected. Casing is nickel-plated, and the tube has a broad red column of indicating liquid, easily seen regardless of dust conditions so often met with in truck and tractor service.

No. 5624—Truck and Tractor, size 2¾×4¾ in., w't each 16 ozs., each *$10.00*

ONE IN A CARTON

No. 5625—Standard. A perfect heat recording instrument of the highest type with extremely broad ribbon bore thermometer tube. **Regular equipment on America's leading cars.** Both sides protected by thick glass crystals. Casing finished in beautiful black enamel. Size 3⅝×5⅛ in., w't each 1 lb.....each *$10.00*

ONE IN A CARTON

No. 5628—Universal, slightly smaller than the standard, protected with bevelled crystals, beautifully finished in all-nickel, size 3×5 in., w't each 14 ozs.....each *$7.50*

ONE IN A CARTON

New Midget Model, designed especially for use on small cars, polished nickel frame and is finished with bevelled crystals both front and rear. This instrument, except for its size, is identical with more expensive Boyce Moto-Meters for larger types of car.

No. 5627—Midget, w't each 18 ozs. Each *$3.50*

New Special for Ford Model, designed especially for use on Ford cars. Broad thermometer tube, which is easily readable even at a distance. Provided with bevelled crystals both front and rear, is finished in polished nickel. Special Ford cap with which it is equipped makes it an ideal instrument.

No. 5629—Special Ford, w't each 20 ozs. .....each *$4.00*

Aristocrat Model for Ford Cars.

Moto-Meter itself is identical to Special for Ford Model.

Equipped with special Schlaich Lock Cap which not only prevents theft, but also serves as handsome ornament.

Can be installed on any Ford in five minutes, but can only be removed by owner.

At either end of cross bar are crystals under which can be shown owner's initials, fraternal insignia, club emblems and a variety of designs which are listed on a return postcard packed with each instrument. Any of these designs will be supplied free of charge, upon receipt of card by factory.

No. 5622—Aristocrat, w't each 30 oz. each *$7.00*

ONE IN A BOX

HEAT INDICATORS

BORG AND BECK

The Borg & Beck Heat Indicator accurately inricates on the dash motor temperature of the motor at all times.

Purely mechanical in operation—no electrical connections, nothing to break or get out of order

Indicating hand on the dial is actuated through flexible, dental type shaft by a small but very efficient thermostat of novel design mounted against motor block by special clamping device. Each instrument is simply, quickly and permanently adjusted for running temperature of the individual motor at time of installation.

A precison instrument made of best possible materials, fully guaranteed by the manufactures and should be on the instrument board of every car.

Can be installed in one hour or less. One model for all cars.

It shows you how hot or how cold your motor is-not the temperature of your radiator.

You adjust this instrument to your motor. Whether the normal running point of the motor is low or high, you always know its exact condition.

By being attached to the motor it is not exposed to rain, snow or weather conditions.

The gauge is placed on the instrument board-and is easily read day or night. The large white pointer and novel dial makes it readable at a glance.

It is theft proof. Its location is such that it is not liable to breakage.

The design is simple and the best workmanship and materials available are used in its construction.

The universal clamp for attaching the unit to the motor makes the installation easy. Full instructions accompany each instrument.

No further attention is necessary after the instrument is once installed and adjusted.

No. 5965—W't each 1 lb., each **$12.70**

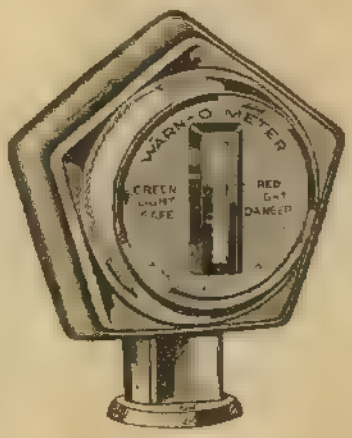
ONE IN A BOX

STEWART WARN-O-METERS

The Stewart Warn-O-Meter prevents engine troubles resulting from overheating. It is an electrically operated instrument and may be installed on the radiator, fender, or on the hood of cars that are air cooled. It is wired to a thermostat installed on the engine. When the engine is cold, no light shows in the Warn-O-Meter. As soon as the engine reaches a normal and efficient operatmg heat, a green light appears. The red light, or danger signal, flashes on when the motor is becoming overheated, because the temperature is taken where the heat is generated, the motor cylinder.

The Warn-O-Meter is not affected by the water or air of the radiator. It is electrically operated direct from the engine, assuring the driver of an accurate indication of the motor's heat.

The design in the Warn-O-Meter that faces oncoming cars is illuminated from within the instrument, and may be replaced by a car name-plate, lodge emblem, owner's initials, or some special design.



No. 5615—**Standard** Model 173A—Nickel plated finish, highly polished. Complete with all fittings, w't each 2½ lbs. .....each **$13.35**

No. 5616—**DeLuxe** Model 172A—nickel plated finish, highly polished, silver etched dial. Complete with all fittings, w't each 2½ lbs., each **$16.70**

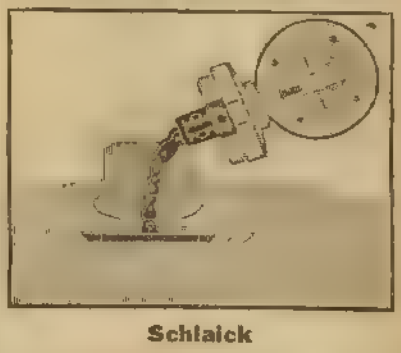
ONE IN A BOX

STEWART WARN-O-METERS

No. 5617—173B for Ford Cars. Finished in black and nickel and complete with Stewart Radiator Cap. Operates the same as the DeLuxe and standard models. Complete with all fittings, w't each 2 lbs., each **$13.35**

ONE IN A BOX

LOCKS FOR MOTO METERS



Schlaick

This lock is designed to prevent the theft of Moto Meters, also protection against breakage. Simple in construction, cannot be cut with pliers or removed from car. Moto Meter is placed in radiator cap, then lock is attached. Drop the end of the lock in the neck of radiator and Moto Meter and cap is securely locked. Permits space to enable to fill radiator, approx. w't each ⅛ lb.

No. 5690—1—For **De Luxe, Truck and Tractor** Moto Meters, each *$2.00*

No. 5691—2—For **Standard and Universal** Moto Meters ..ea. *$1.80*

No. 5692—3—For **Junior, Ford, and Midget** Moto Meters ....ea. *$1.80*

ONE IN A BOX

FOR KINDRED GOODS SEE PAGE 2159

AUTO CLOCKS

Keyless Auto Clocks are the most practical auto clocks made. This unique way of winding and setting by the rim, thus eliminating the use of a key or a projecting stem, has made them very popular with the trade. They run eight days with one winding, are fully guaranteed, and are, without doubt, the handsomest auto clock on the market. They are built especially for automobiles and will stand the hardest vibration, and keep time under the most trying conditions. Dust and moisture proof.

COWL BOARD TYPE

KEYLESS

For Cadillac, Hudson, White, Buick, Overland, Cole, Studebaker, Austin, [illegible]

No. 5944—2¾ in. dial, cowl ring 3¾ in., length of clock behind ring 1⅛ in., 8 day, rim wind and set, finish black enamel with nickel rim, w't each 2 lbs. .....each $16.60

ONE IN A BOX

LUMINOUS DIAL COWL BOARD TYPE

KEYLESS

No. 5947—2¾ in. dial, 8 day movement, rim wind and set, black enamel finish with nickel rim, genuine radium dial on black of highest quality, can be read at a glance either day or night, w't each 2 lbs.,
each $19.20

ONE IN A BOX

COWL BOARD TYPE

KEYLESS

For Reo, Chandler, Paige, Hudson, Hupmobile, Overland, Buick, Dodge, Mercer, etc.

No. 5945—2¾ in. dial, cowl ring 3¾ in., length of clock behind ring 1⅛ in., 8 day movement, rim wind and set, finish black enamel with nickel rim, w't each 2 lbs.,
each $15.40

ONE IN A BOX

DENVER COWL BOARD TYPE

KEY WIND

Eight-day key wind, 2¾ in. dial second hand, sets flush with dash, w't each 1 lb.

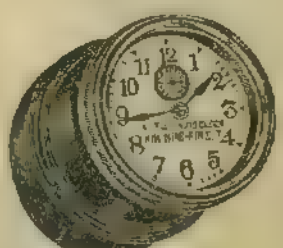
No. 5941—Black enamel,
each $10 00

No. 5941A—Nickel plated,
each $10.00

ONE IN A BOX COMPLETE WITH FITTINGS

OFFSET TYPE

KEYLESS



No. 5946—2¾ in. dial, base 3¾ in. length of clock 2¾ in., rim wind and set, 8 day movement, thief proof, attached to dash from inside, black enamel finish with nickel rim, w't each 2 lbs. .....each $14.70

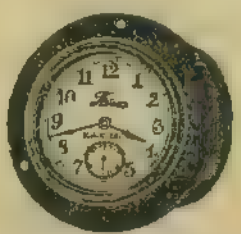
ONE IN A BOX

DASH OFFSET TYPE

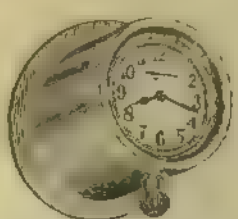
KEY WIND

No. 5940—Black enamel, 8 day, key wind, 2¾ in. dial, second hand, w't each 1 lb. .....each $10.00

No. 5949—**Frisco,** 1 day, offset, 2¾ in. dial, stem wind and set, w't each ¾ lb. .....each $7.00



No. 5948—**Frisco,** 1 day for cowl board Fords, complete with a handsome 2¾ in., dial, concealed winding stem, w't each ¾ lb.,
each $7.30



No. 5931—**Duane,** one day, case heavy brass with offset, 1¾ in. dial, diam. 2⅝ in., w't each 12 oz.,
each $6 50

ONE IN A BOX

GENUINE STEWART SPEEDOMETER REPAIR PARTS

F1799

F7208

F Road Wheel Gears

1902

F1516

F4028

F4017

12273

F Driven Gear and Shaft

617

6118

F3893

F Drive Gear

F Wire Core and Shaft

6126

F1996

F3888

F4032

F4007

F4003

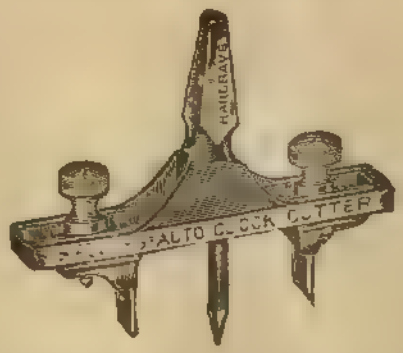
F11295

F11296

LIST OF PARTS

Part No	Description	Price
6118	Swivel Joint, R. H.	$2.75
F	Grease Cup Cap	.20★
1799	Flexible Shaft, complete up to 72 in.	3.50★
1902	Flexible Shaft Chain, 10 links to the foot, per foot	.35
F1911	Flexible Shaft Casing, without leather cover	2.00★
F	Extra Length Casing, over 72 in.	.40★
F1997	Stewart Flexible Shaft Lubricant, per can	.50★
12273	Upper End Clutch of Chain	.25
617	Sliding Bar and Lower End Clutch of Chain	.35
F	Road Wheel Gear, with washers and screws	1.75★
F	Washers and Screws for use on road wheel gear (set of three)	.15★
6126	Pinion or Small Gear (fibre)	.25
F	Warner and Special Stewart Pinions	.50★
F	Laminated Pinions	1.00★
F	Stud Clamps	2.00★
F512	Clamp for Steering Arm, complete with 4007	1.50★
F1516	Clamp for Steering Arm—Ford Special	1.50★
F4003	Clamp Part (Upright)	.70★
F4025	Clamp Part (Swivel Block)	.25★
F4015	Clamp Part (Cross Bar)	.35★
F4017	Clamp Part (Axle Clip)	.35★
F4014	Clamp Part ("S" Clamp Link)	.35★
F4007	Clamp Cross Bar and Straight Link, one piece	.50★
F4032	Clamp Set Screws	.10★
F	Dash, Bracket, single instrument	1.25★
F1996	Rubber Fender Washer	.15★
F2199	Nickeled Collar for Foot Board	.25★
F7208	Strap or Hanger for Flexible Shaft	.20★
F	Angle Sleeve	3.00★
F	Integral Sleeve	2.00★
F5080	Sleeve	.50★
F616	Flexible Shaft Ferrule and Union	.25★
F11297	Stud Bolt Clamp—Ford Special	2.00★
F	Extra Length Shaft, over 72 in. per foot	.70★
F	Trasmission Drive Gear	2.50★
F	Transmission Driven Gear	1.75★

COWL BOARD CUTTERS



A practical tool for cutting circular holes in metal or wood.

A steel center punch is screwed firmly into the cast iron frame and holds both cutting tools steady.

The two specially hardened crucible steel cutting edges can be adjusted to cut holes from ½ inch to 4½ inches in diameter.

The Cowl Board Cutter can be used in either a hand brace and bit or in an electric drill.

No. 7360—W't each 4 lb. .....each $3.40

ONE IN A BOX

WESTCLOX AUTO CLOCKS

Case made of brass and nickel plated. An extra inner case protects movement from dust. Case measures 2¾×2¾ in. where it is attached to dash. Easily wound and set. Dial sets at an angle. Has a one day watch movement, stem wind and stem set, w't each 7 ozs.

No. 5950—White Face, black hands and numerals, each $3.25

No. 5951—Black Face, luminous dial.....each $4.55

ONE IN A BOX

★ Items Marked Thus ★ Are Shipped From Factory Only.

"RANGER"

DIETZ NEW ACETYLENE HEADLIGHT FOR MOTOR TRUCKS

"RANGER" Floodlight Of the Highway

AN Improved Acetylene Headlight of stronger construction and increased lighting power—a headlight of popular drum-shape design.

Dietz "Ranger" has many features of interest to motor truck builders, fleet owners and motor accessory dealers, involving construction improvements, price, etc.

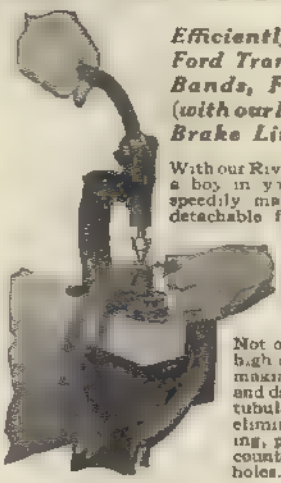
Send for Fuller Description and Prices. Also Particulars Regarding Dietz "Sentinel" Electric Headlights

R. E. DIETZ COMPANY
60 Laight Street New York
Pioneer Makers of Motor Lamps
FOUNDED 1840

DIETZ LAMPS

LAKEWOOD

Hand-Lever Rivet Setter



Efficiently Handles Ford Transmission Bands, Fan Belts (with our Fasteners), Brake Lining, Etc.

With our Rivet Setter even a boy in your shop can speedily make or repair detachable fan belts—flat or V-type—(with our Fan Belt Fasteners described below).

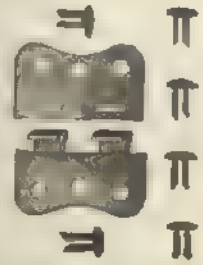
Not only does this high class, money-making tool hold and drive split and tubular rivets—it eliminates drilling, punching and counter-sinking of holes.

You can rivet on a full set of Ford Bands *in less than 4 minutes*—with the Hand Riveter

Furthermore, it curves or spraddles back into the work the prongs or shanks of the rivets—so that a proper clinch is positively insured. Ask your jobber, or write us direct at the factory.

Q. A. Fan Belt Fasteners

"Make Both Ends Meet"



Handy little fasteners that enable you to make quick, profitable belting repairs—on any flat, V or small shop belt.

You can get these Quick Attachable Fasteners from your jobber, in small slide boxes for shop use. Also put up on cards and in individual-set envelopes for resale to car owners—at worth-while profits.

Jobbers: There is a big, all-the-year-'round demand for Lakewood Rivet Setters and Fan Belt Fasteners. Write for our proposition—*now.*

Lakewood Fabric Belting & Mfg. Co.
1514 Highland Avenue
Lakewood Cleveland, Ohio

PRODUCTS

THIS SYMBOL IN ANY ADVERTISEMENT MEANS: SEE "CHILTON AUTOMOBILE DIRECTORY" FOR COMPLETE BUYING INFORMATION

The Cincinnati "Junior"

PORTABLE ELECTRIC HAND DRILL
¼" CAPACITY—UNIVERSAL MOTOR

PRICE **$28**

PISTOL GRIP WITH AUTOMATIC SWITCH "STREAM" LINE DESIGN FOR CLOSE CORNER WORK

EQUIPMENT

Three-jawed geared chuck. 10' rubber-covered cable fitted with steel-clad attachment plug. Sent complete; ready for use.

EXTRA EQUIPMENT—IF DESIRED

Mandrel with 2" x ½" emery wheel for light grinding	$2 00	Outfit Complete $5.00
Mandrel with 6" muslin buff for polishing	2.00	
Bench Rack, for holding drill when grinding or buffing	2 00	

Manufactured by a company of more than twenty years' successful experience in making electric drills and grinders.

The most powerful light-weight drill of its capacity on the market. Simple in construction, with no complicated parts to get out of order. Especially recommended for drilling of all kinds. Weight, 4 lbs.

"THE DRILL THAT WILL"

Complete Line of Electric Drills and Grinders

THE CINCINNATI ELECTRICAL TOOL CO.
1519 Freeman Ave. Cincinnati, Ohio

New York 50 Church St. — Detroit Murphy Bldg. — Philadelphia 1220 Real Estate Trust Bldg.
San Francisco 516 Equitable Bldg. — Los Angeles 918 Hearst Bldg.

Miles From a Repair Shop With a Leaking Radiator—

But the modern motorist is undaunted by such a "fix." With Kester Acid Core Wire Solder and heat the leak is fixed in a jiffy—*permanently* if it's minor—and if the damage is serious, any novice at soldering can patch it securely enough to reach the nearest garage, where a mechanic with the proper tools—*and Kester Solder*—can easily make a permanent mend.

For the motorist and occasional user, Kester comes coiled in one-pound cartons or on one-pound spools, while the garage owner and mechanic find it more economical to buy on five- and ten-pound spools.

KESTER
Acid Core WIRE SOLDER
REQUIRES ONLY HEAT

SAMPLE FREE

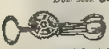
CHICAGO SOLDER COMPANY ATJ 2-23
4235 Wrightwood Ave., Chicago, Ill.
Please send me a sample of Kester Acid Core Solder, no charges, postage prepaid.

Name_____
Address_____
Supply House_____

SUNDRY PLAYTHINGS

"LITTLE HOUSEKEEPER" TOY SPECIALTIES

Coal Hod and Shovel—Coal hod 5¼x4½ in., assrd. red, blue, green and black enamel with nickel trim; in shovel.
F2811—1 doz. sets in box. Doz. sold **84c**



Egg Beater "Junior"—3½ in. high, 2 in. driving wheel, wood handle, double beaters. Exact miniature of the large size.
F2815—1 doz. in box. Doz. **89c**

TOY FLAT AND SAD IRONS

F2841—Bright gilt sides, polished face, black painted wood handle with nickel trim. 1 doz. in box. Doz. **89c**

F3044—4 in. polished nickeled face, edges and removable hood, black enameled handle. 1 doz. in pkg. Doz. **$2.10**

BISSELL'S TOY CARPET SWEEPER

F2933—"Little Daisy," 7x4½ in., nickel plated cutting-bent board body of wood frame, red enamel turned base, white tuft pencil brush of imitation wood handle attached to copper frame. ½ doz. in pkg. Doz. **$2.75**

"Our Drummer" takes the risk out of buying

REVERSE ACTION PIN WHEEL

F2824—Three 6¾ in. red, white & blue propeller shape blades, heavy stick, brass heads 18 in. stick, blades revolve in opposite directions. 1 doz. in pkg. Doz. **87c**

WOOD PERFORMING FIGURES

F3078—Boxers, 3¼ in. painted figures on 14x4 in. green flocked covering arms in working buttons men box naturally. 1 doz. in box. Doz. **89c**

F3079—Punching bag, 4½ in. painted tables, on 6½x9 in. green wood platform mounted, with wood bat suspended on wire upright, athlete punches bag when button is pressed. 1 doz. in box. Doz. **89c**

"TOM TINKER"

F3632—Tom Tinker head wood balls flesh color head purple body, green arms, black legs, green & yellow hat. 1 doz. in box. Doz. **$4.00**

THE FAMOUS "RADIO REX" DOG AND HOUSE

This is a novelty that's going like wild fire and note our low price.

F2850—6½x10½x6¾ in. red and green dog house, 4½ in. celluloid dog, battery magnetic bar and spring. Is a push button set which if kept depressed jumps out of house. 1 doz. in box. Doz. **$16.50**

UP-TO-DATE TRANSFER PICTURES

Excellent colorings, guaranteed to transfer 15 pictures on 3½x8½ in. sheet, 15 sheets on display card

F3096—6 styles, fruits birds animals, tutti-frutti, zookics and house boats. Assrd. 1 gro. in pkg.... Gro. **89c**

F3091—6 styles, movie characters, stages of cigar, kiddie kar kiddies sea babies, bumpty dumpty and circus. Assrd. 1 gro. in pkg. Gro. **89c**

"THE WONDER BUILDER" TINKER TOY

F3825—"The Wonder Builder" sheet in high tinted wood sheets assrd. length, grooved circular hard-wood blocks, 2 plain iron sheet strong derricks, metal ground rods, 2 oz. screws, planes in box set up by self to assist to model, 1 book of plans, 1 screw driver, 1 wrench, 1 pair pliers, 1 oil can, 1 pair screw eyes, 1 pair hooks, 1 pair eyes, 1 pair hooks, 1 pair screw eyes, 1 pair hooks, 1 pair screw eyes, 1 pair hooks, 1 pair screw

BALLOONS & RUBBER NOVELTIES

Strictly first quality stock and the lowest prices that you can find anywhere make us by all odds the best place in America to buy balloons Note especially our remarkable values in the novelty numbers

SEAMLESS RUBBER BALLOONS—First Quality

Round—Assrd. solid colors, yellow, blue and green

	Gross in.	In pkg. Gro.	Doz.
F1675—12½	1 grs.	$.80	8c
F1676—19	3 doz.	$1.85	16c
F1677—31½	2 "	2.75	24c
F1678—38	2 "	3.65	32c
F1679—50	1 "	4.00	75c

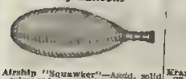
Round—Special value, assrd. solid colors, red, yellow, green and blue. 5 doz. in pkg.

F1673—53 in. circum. Doz. 45c
Gro. $6.00

Round Gas Bag—Heavy Brazilian assrd. solid colors various styles, extra value for the extra heavy lift. 1 doz. in pkg.

F1711—24 in. circum Doz. 35c
Gro. $4.00

Noisy Balloons



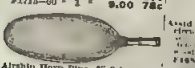
Airship "Squawker"—Assrd. solid colors red green, blue and yellow.

F1718—12x3 in. 6 doz. in box
Gro. $1.80 Doz. 16c

F1720—38x6 in. 1 doz in pkg
Gro. $4.45 Doz. 39c

Round "Squawker"—Assrd. solid colors red green, blue and yellow.

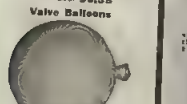
	Circum. in.	In pkg. Gro.	Doz.
F1708—23 in.	3 doz.	$2.05	18c
F1712—38 "	2 "	4.20	37c
F1715—60 "	1 "	9.00	78c



Airship Horn Pipe—36x9 in., extra large squawker, solid colors, red, yellow and blue. Doz.

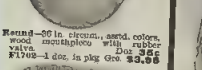
F1721—Assrd. 1 doz. in pkg .82c
Gro. $9.35

Valve Balloons



Round—36 in. circum., assrd. colors, wood mouthpiece with rubber valve. Doz. 35c

F1702—1 doz. in pkg Gro. $3.85

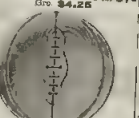


"Dirigible"—30x7 in., assrd. colors, metal mouthpiece with rubber valve, when thrown in air dives about like airship. Doz. 36c

F1703—1 doz. in env. Gro. $4.10

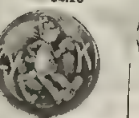
Flag and Shield—36 in. circum., red, assrd. white and blue stenciled flag and shield designs.

F1696—1 doz. in env. Doz. 37c
Gro. $4.25



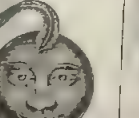
Foot Ball—32 in. circum., orange, assrd. colors, stenciled designs.

F1707 1 doz. in pkg Doz. 37c
$4.20



Krazy Kat & Ignatz Mouse—60 in. circum., assrd. colors, stenciled cat and mouse, assrd. red and purple.

F1701—Assrd 2 doz. in env
Gro. $4.30 Doz. 38c



Assrd. Noisy Characters—30 in. circum., assrd. colors, stenciled designs, assrd. colors and designs.

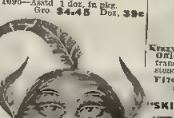
F1694 1 doz. in env
Gro. $4.80 Doz. 42c

SEAMLESS NOVELTY BALLOONS

Strictly first quality stock.

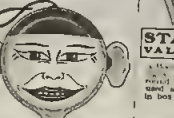
Juvenile Pictures—30x8 in., assrd. colors with stenciled pictures, wood mouthpiece with rubber valve.

F1695—Assrd 1 doz. in pkg.
Gro $4.45 Doz. 39c



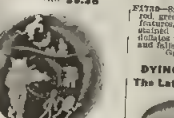
2 Color Indian—31 in. circum., red and orange stenciled features, 3 colored features.

F1705 1 doz. in env. Doz. 72c
Gro $8.20



Noisy Cinnamon 60 cm. circum yellow and black stenciled features sateen cats, 6 in quare, columbia tube squawker and valve

F1693—1 doz. in env Doz. 82c
Gro $9.35



Juvenile Pictures—36 in. circum., assrd colors with stenciled juvenile pictures.

F1670—Assrd. 1 doz. in pkg. Doz. 82c

BALLOON STICK

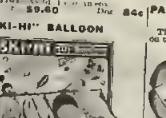
F1732—Best quality rattan, 18 in bal. ½ grs. in pkg... Gro. 80c

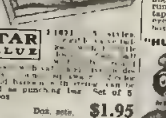
1 doz. in pkg. . Doz 82c

Krazy Kat, Ignatz Mouse and Officer Pup—46 in. circum., transparent, assrd. red and blue stenciled cartoon figures

F1704 Assrd 1 doz. in env.
$9.60 Doz 84c

"SKI-HI" BALLOON





STAR VALUE

F1691 5 styles, [illegible] 5 in box

Dozs. sets. $1.95

DYING PIG BALLOON

F1719—8x5 in., heavy rubber, assrd red green, blue and white painted features, rubber ears, wood legs, stained turned mouthpiece, slowly deflates with loud squealing sound and falls over 1 doz. in box.

Gro. $8.65 Doz. 75c

DYING CAT BALLOON

The Latest Balloon Novelty

F1683—22x9 in., heavy rubber, cardboard head with stenciled features, stained turned wood legs and mouthpiece, slowly deflates with loud squealing sound. Assrd. red blue green and yellow

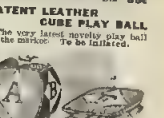
1 doz. in pkg. . Doz 82c

DYING DUCK BALLOON

F1697 12x6 in., heavy rubber, assrd red, green, blue and yellow, feather wings and plumage cardboard bill with head design, turned wood mouthpiece. Assrd 1 doz. in box Doz 85c

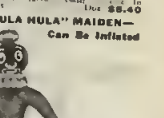
PATENT LEATHER CUBE PLAY BALL

The very latest novelty play ball on the market. To be inflated.



F1465—6 sides, 3½ in., waterproof patent leather, assrd. dice and two color combinations with painted and varnished juvenile designs and numerals, will not fade or run, sewed seams, assrd. color tapes, heavy bladder, reinforced opening large Assrd. set in box Doz $6.40

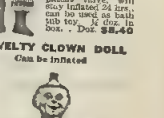
"HULA HULA" MAIDEN—Can Be Inflated



F1728—19 in. high, heavy red rubber, grotesque features, rubber fringe trimming patent valve, will stay inflated 24 hrs., can be used as bath tub toy. ½ doz. in box. Doz $2.40

NOVELTY CLOWN DOLL

Can be inflated



F1726—1 to 1 size, heavy white rubber, bright stenciled colored features and costume, will stay inflated 24 hours, can be used as a bath tub toy ½ doz. in pkg

Doz $2.00

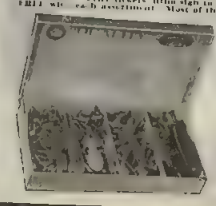
"KEYING KEWPIE" DOLL BALLOON

F1683—Clear heavy rubber, inflates to 11 in. stenciled colored features, little cardboard arms, legs and base, curled wood mouthpiece, loud voice, each in printed envelope. 2 doz. in box

Doz. 87c
Gro $10.00

"Starter" Variety Balloon Asst.

A specially selected assortment of the very best shapes and colorings, including many special numbers. Absolutely first class goods no "sewings." Every number is an exceptional value. Price tickets. Blue slips to hang in store and large poster for window display will go with each assortment. Most of these goods can be sold at higher retail prices than noted and you can easily make this assortment net you 50%.



F1731—Assrt [illegible] of the following

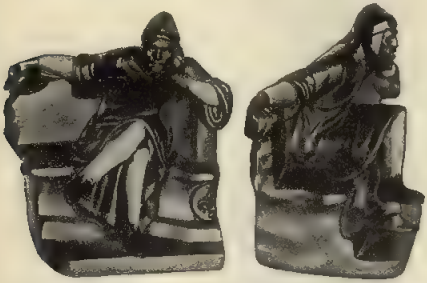
	Retails for
[illegible]	1c
sausage, 9x3	1c
round, 10 in. circum	2c
[illegible]	2c
[illegible]	3c
[illegible]	3c
[illegible]	4c
[illegible]	5c
[illegible]	5c
[illegible]	5

The Gift Shop

All Book Ends shown are of cast metal. Decorations and finish are of highest quality. Color work by artists who know color values. All have felt protective bases. We do not sell or recommend the inferior composition book ends, owing to their being so easily damaged.

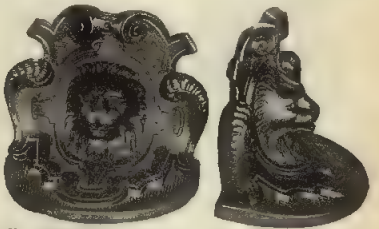
No. **84G/571** Cast Book End. Subject, parrot on book. 6 in. high. Finished in beautiful polychrome effect. A welcome gift for any lover of books. Per pair..... **$9.90**

No. **85G/571** Cast Book End. Subject, whistling boy. 7¼ in. high. Finished in Venetian bronze. A well known subject beautifully executed. Price, per pair..... **$8.60**



No. **86G/571** Cast Book End. Subject, Dante. 6 in. high. Finished in exceptionally fine polychrome effect. This is one of the best selling subjects for art shops that appeal to the most exclusive trade. Price per pair..... **$15.00**

No. **86½G/571** Same subject, Venetian bronze finish. Per pair... **9.90**



No. **87G/571** Cast Book End. Subject, lion's head. 4½ in. high. Finished in Venetian bronze. The die work of this number is very fine. Price, per pair..... **$7.00**

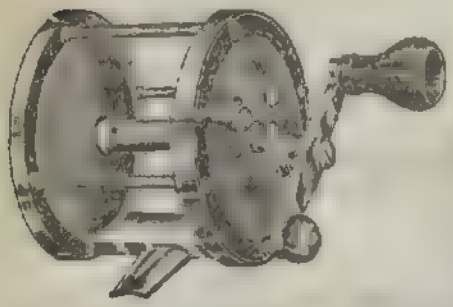
No. **88G/571** Cast Book End. Subject, hunting scene. 4 in. high. Finished in Venetian bronze. The relief hunting scene is equal to hand wrought work. Per pair... **$6.95**

No. **89G 571** Cast Book End. Subject, "On the Trail." 6⅜ in. high. Finished in art. The life-like coloring of this set will easily make it a "best seller." Price, per pair..... **$10.00**

No. **90G Assortment** The success of a gift shop is in variety. We, therefore, make a special assortment price for seven pair, one pair each of above numbers. Every store should have at least one assortment on hand at all times. Price, per assortment..... **$61.00**

SALT WATER FISHING REELS

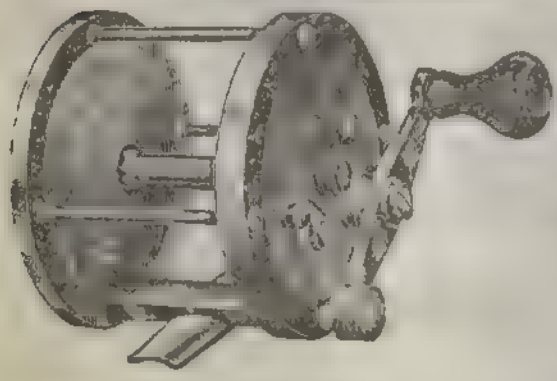
"CATALINA FREE SPOOL"



German Silver, Hard Rubber Side Plates; Metal Bound; Adjustable Steel Click; Large Well Balanced Handle with Black Rubber Thumb Piece. All Parts Carefully Milled and Highly Polished.

Per Dozen
No. 96—Capacity, 200 yards $264 00
Twelfth Dozen in a Box

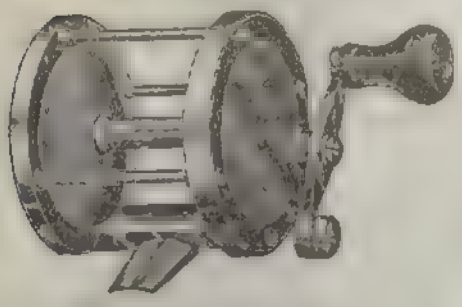
"PACIFIC FREE SPOOL"



Best Medium Priced Reel Made for Surf Casting. Extra Heavy Rubber Side Plates, Metal Bound, Lever Free Spool on Handle Side of Reel; New Style Large Handle, Black Rubber Thumb Piece; All Parts Carefully Milled and Highly Nickel Plated

Per Dozen
No. 79—Capacity, 300 yards $240 00
Twelfth Dozen in a Box

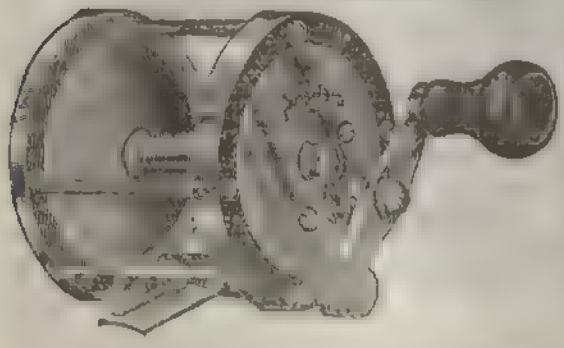
"GULF SURF CASTING"



German Silver, Hard Rubber Side Plates; Metal Bound; Steel Pivots; Adjustable Steel Click, Black Rubber Thumb Piece; All Parts Carefully Milled and Highly Polished.

Per Dozen
No. 9007—Capacity, 200 yards. $192 00
Twelfth Dozen in a Box

"ATLANTIC SURF CASTING"

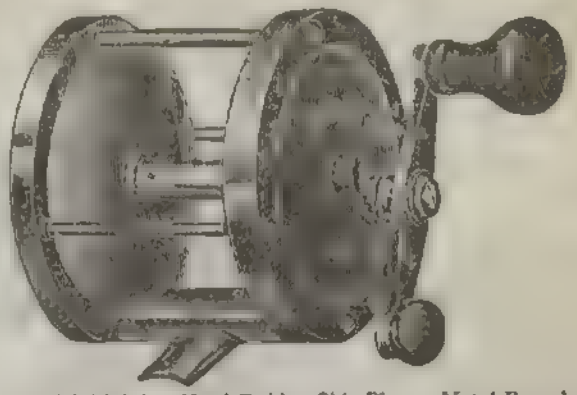


Double Multiplying, Hard Rubber Side Plates; Metal Bound, Thereby Giving Extra Strength; Adjustable Click; New Style Large Handle, Black Rubber Thumb Piece; All Metal Parts Highly Nickel Plated.

Per Dozen
No. 58—Capacity, 150 yards $132 00
Twelfth Dozen in a Box

SALT WATER FISHING REELS

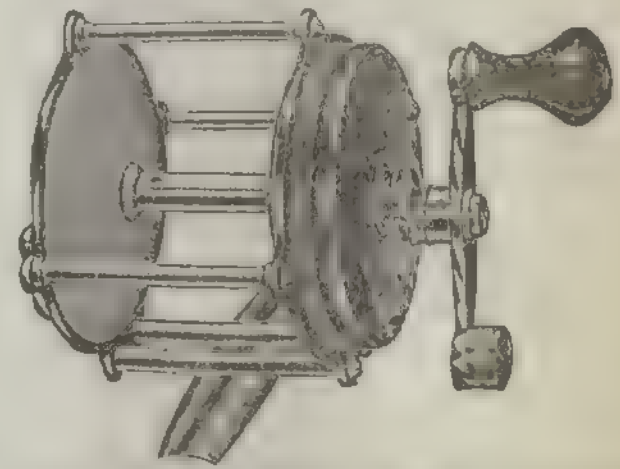
"PACIFIC SURF CASTING"



Double Multiplying, Hard Rubber Side Plates; Metal Bound, Thereby Giving Extra Strength; Steel Pivot Bearings; All Parts Carefully Milled and Highly Nickel Plated; Large New Style Handle with Black Rubber Thumb Piece; Adjustable Steel Click.

Per Dozen
No. 7008—Capacity, 250 yards..... $162 00
Twelfth Dozen in a Box

"YANKEE"



Double Multiplying, Steel Pivots; Adjustable Click; Well Balanced Handle with Black Rubber Thumb Piece; All Parts Nickel Plated; Built Exceptionally Strong.

Per Dozen
No. 1207—Capacity, 200 yards..... $96 00
Twelfth Dozen in a Box

FISHING REEL CASES

★DIAMOND BRAND

Per Dozen
No. RC4—Finest Quality Russet Sole Leather, Smooth Surface; Chamois-lined; Linen Stitched; ⅜ inch Leather Strap to Buckle; Leather Covered Buckle and Leather Loop Size, 2½x3x3¾ inch; Weight per Dozen, 2¼ lbs..... $33.00

No. RC3 [illegible] Grade Russet [illegible] Leather, Linen Stitched, [illegible] inch Leather Strap to Buckle; Nickel Plated Buckle. Size, 2½x3x3¾ inches; Weight per Dozen, 2¼ lbs..... 24 00
Loose

Every Boy and Girl In Your Community Will Want a

"CENTURY" BICYCLE

Better bicycles—just read our specifications and you'll realize that no better parts or equipment can be obtained. That's why "Centurys" stay sold and give satisfaction.

Here's Why The "Century" Is Such a Good Bicycle

Construction

FRAME—20 gauge seamless tubing.
JOINTS—Flush reinforced fishtail.
CRANK HANGER—Drop forged, 1 piece.
SPROCKET—Special design, machined, polished.
SPOKES—Standard Co's best.
CHAIN—Roller, ½ inch pitch, easy riding.
CUPS AND CONES—Lathe turned from solid bar, polished.
MUD GUARDS—Steel, braced, enameled to match frame.

Equipment

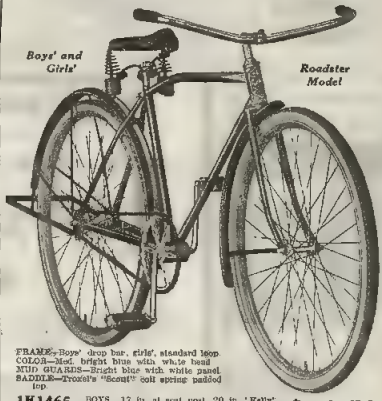
COASTER BRAKE—"New Departure."
FRONT HUB—"New Departure."
TIRES—U. S. chain tread.
SADDLE—"Troxel."
HANDLE BARS—"Kelly" triple plated, motorcycle rubber grips.
PEDALS—"Surplus," rubber tread, ball-bearing.
STAND—Channel iron, latches to mud guard.

Finish

The "Century" rich, smooth, lasting finish is obtained from anti-rust and primary coats, hand rubbed and sanded, then finished with deep rich enamels, applied with air brush and oven-baked to a hard china-like surface.

Trim

All "Century" bicycles have a white head with spears, outlined and striped in harmonizing colors.



FRAME—Boys' drop bar, girls', standard loop.
COLOR—Med. bright blue with white head.
MUD GUARDS—Bright blue with white panel.
SADDLE—Troxel's "Scout" coil spring padded top.

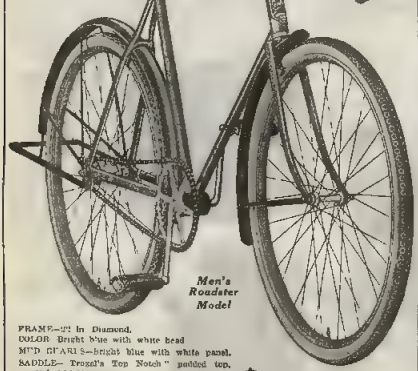
1K1465—BOYS', 17 in. at seat post, 20 in. "Kelly" handle bars 9 in. extension, 26 in. tires 5½ in. crank hanger. 1 in crate. Each **$24.50**

1K1463—YOUTHS', 19 in. at seat post, 7 in. crank hanger, 22 in. "Kelly" handle bars, 3 in. extension, 28 in. tires. 1 in crate. Each **$25.00**

1K1467—GIRLS', 17 in. loop frame, 20 in. "Kelly" handle bars, 26 in. tires 5½ in. crank hanger. 1 in. crate. Each. **$25.00**

(NOTE: The 17 in. juvenile frames will fit children of 21 in. inseam measure, the 19 in. youths' frame fits 27 in. inseam and can be ridden by full grown persons.)

Century



FRAME—22 in. Diamond.
COLOR—Bright blue with white head.
MUD GUARDS—Bright blue with white panel.
SADDLE—Troxel's Top Notch, padded top, coil springs.
HANDLE BARS—22 in. "Kelly" forward extension.
1K1460—1 in crate. Each. **$25.00**

FRAME—22 in. loop.
COLOR—Dark blue with white head.
MUD GUARDS—Dark blue with white panel.
CHAIN GUARD—Steel, blue enameled.
SKIRT GUARD—Heavy cord lacing.
SADDLE—Troxel's Women's Comfort.
HANDLE BARS—22 in. "Kelly."
1K1462—1 in crate. Each. **$27.50**

CAMPERS' SUPPLIES

FOLDING CAMP GRID AND WINDSHIELD

For open fire cooking

1K1897 "Duplex," grid, 13x21½ in., heavy polished steel electric welded, 2 grids, folding supports. 1 in carton. Each, **$1.15**

1K1894—Windshield, retinned steel 1 in carton ... Each **$1.00**

CAMPERS' HAMMOCK

1K2929—12 oz. double filled khaki duck reinforced ends with heavy brass grommets. Folds into small space. Each in canvas bag . . . . . Each, **$3.00**

FOLDING STOOL AND CHAIR

Canvas seat, folding hardwood frame, 10 oz. tan canvas seat won't pull out. ¾ doz. in bdl.

1K1891—Stool
1K1892—Chair

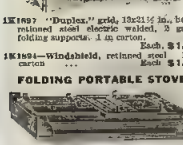
Doz. **$4.75**
Each **$.75**

ROLL TOP FOLDING TABLES

Very compact when folded when set up firm and rigid, made on the same principle as the folding camp cot. Hardwood frame 11 gauge steel stampings wood slat canvas backed roll top sets in grooved frames, 2 heights for use with and without chairs. Each in canvas bag.

1K1884 18x30 in top 17 in high Each **$2.25**
1K1885 21x35 in top 27 in high Each **$2.75**

FOLDING PORTABLE STOVE



1K1886—Uses wood, coke or charcoal cast iron sections set up tight without a bolt in one minute, folds into space 18x10x4 in wood carrying case. Each, **$7.00**

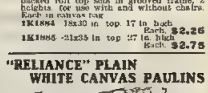
"BEST YET" FOLDING CAMP COT

ARMY TYPE Substantially made. Best materials and finish—a quality cot at an astonishingly low price. We own seven carloads at this under-market price.

1K1883—Full size, 6 ft. 6 in. x 2 ft. 3 in., 42 oz. double filled khaki duck. 1¼ in. double cast varnished hardwood frame, heavy 14 gauge steel stampings, folds to 2 ft. 3 in long, 6 in wide, 4 in deep. Each wrapped

Each, **$3.75** 1 doz. in crate, Doz. **$40.00**

"RELIANCE" PLAIN WHITE CANVAS PAULINS



Pure quality white duck oz (2) in size U S Government standard For covering farm or construction supplies and machinery also used to cover outdoor halls dance floors etc Each in canvas bag with ropes and eyelets

1K1810	7x12 ft	Each	$ 4.65
1K1811	10x10 "	"	8.10
1K1812	12x14 "	"	8.90
1K1813	12x18 "	"	11.25
1K1814	14x24 "	"	17.66
1K1815	16x20 "	"	17.16
1K1816	16x30 "	"	25.15
1K1817	18x24 "	"	22.85
1K1818	20x24 "	"	24.60

"UNIVERSAL" CAMERAS

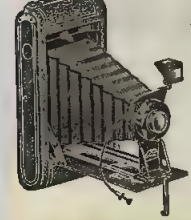
Made for Butler Brothers by Burke and James Inc makers of the famous "Rexo" Camera. There is no maker of cameras in America that stands higher in the opinion of scientific men. That is why among all the Camera makers of Europe and America they were selected to build Aeroplane Cameras for the British Army Universal Cameras are sturdily built. The frame is more solid and stronger than other makers. Each camera in the Universal line is a beauty fully finished in every detail and perfect in every respect and is guaranteed to work. No camera leaves the Burke and James Inc factory until it has withstood the company's laboratory tests. This means that every camera shipped is a perfect one Butler Brothers are pleased to say that this is the first time the old and reliable corporation of Burke and James Inc., has ever sold a camera through any other than its own agents.

Five distinctive features found in every folding "Universal" camera.

1—Focusing device
2—Improved speed shutter
3—Finish back locked film tight.
4—Microscope focusing device
5—Rigid standard and broad track

Box Cameras—Wood and metal construction covered with very durable imitation embossed leather universal focus meniscus lens, 3 diaphragm stops, automatic shutter for bulb, time and instantaneous exposure, new metal spool holding device insures quick loading and smooth winding of film, bound by Black view finders of a large size (except 1K5170), absolutely light tight. 3 in pkg.

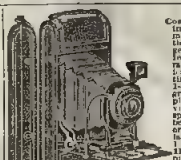
1K5176—Mfrs 2, size of picture 2¼x2¼. Each, **$1.60**
1K5177 " A " " 2½x3¼ " **2.15**



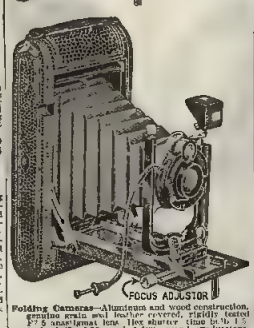
Junior Folding Cameras—Aluminum and wood construction, imitation leather covered, genuine leather bellows, rapid rectilinear lens, flex shutter, time bulb, 1-25, 1-50, 1-100 second graduations The popular amateur and post card sizes. 1 in pkr

1K5171—(Mfrs 3A Jr.), size of picture 3¼x5½ Each **$12.00**

Coast Pocket Folding Camera—Aluminum construction with the utmost genuine grain seal leather covered rapid rectilinear lens, flex shutter time scale 1-25, 1-50 1-100 second graduations, Simplex focusing device, automatic locking spool holders, can be carried in coat or lady's handbag 1 in pkr



1K5175 Size of picture 2¼x3¼
Each, **$8.25**



Folding Cameras—Aluminum and wood construction, genuine grain seal leather covered, rigidity tested 7x5 anastigmat lens flex shutter time to bulb 1-25, 1-50 and 1-100 second graduations Double back prevents buckling rack and pinion insures sharp and clear picture reversible tripod standard and wide track 1 in pkr

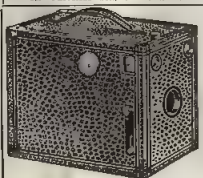
1K5172—(Mfrs 1A). Size of picture 2½x4¼. Each, **$15.00**
1K5173—(Mfrs 3A). Size of picture 3¼x5½. Each, **$16.75**

"REXO" RECORD FILMS

"Every Click a Picture"

Very rapid, reducing to a minimum your under-exposure. Non-halation and non-curling which make for brilliant, snappy negatives and easier handling 1 roll in pkg

1K407 — 1¼x2¾, 8 exposure, vest pocket "Universal" and vest pocket Kodak ..... Roll **15c**
1K415 — 2¼x2¾, 6 exposure, Universal" coat pocket, No. 1 Universal" box, No. 1 Kodak Jr., No. 2 Brownie and No. 2 Folding Brownie ..... Roll **18c**
1K425—2½x4¼, 6 exposure, 1A "Universal," 1A "Universal Junior," 2A "Universal" Box, 2A "Brownie," 1A Kodak Jr Roll, **22c**
1K430 3¼x4¼, 6 exposure, No. 3 "Universal" Roll **33c**
1K445—3¼x5½, 6 exposure, 3A "Universal," 3A "Universal Jr., 3A "Universal" box, 3A Kodak, 3A Folding Brownie. Roll, **41c**



SPECIAL 2A HOT CAMERA

1K7500—(Mfrs. 2A). Size of picture 2½x4¼ in constructed of finished material not a forced by standard conditions, covered with fine heavy leather embossed and brighted. Band to distinguish from genuine leather Equipped with a high grade lens of the box camera type, automatic shutter, two ground glass view finders, and new spool holding device insuring quick loading and smooth winding of film 1 in box Each, **$1.80**

COAT POCKET FOLDING CAMERA

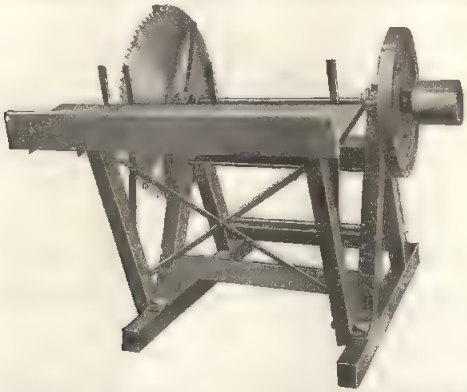
1K7520—Aluminum construction throughout, genuine grained seal leather covered, single lens flex shutter time bulb 1-25 1-50 1-100 second graduations automatic locking device with new spring spool holders. Regular retail value $12.00 Each in box.

Each, **$5.00**

WOOD SAWING OUTFITS

CHALLENGE

NO. 46, ALL WOOD, WITH TILTING TABLE. HEAVY DUTY. FOR CORDWOOD SAWING



All wood frame, fitted with mandrel turned to 1⅝-inch for blade, and reinforced with steel braces. Frame is constructed of thoroughly seasoned lumber, of the proper size to withstand any strain that can be placed on it a sawing wood; and is secured bolted and braced in every direction.

The shaft is cold rolled steel; and the bearings are cast on a solid iron beam extending the entire length of the frame, which holds them in perfect alignment with the shaft at all times. Substantial shield, placed over the blade, to protect the operator from injury. The table is of the tilting type, pivoted at bottom on a cast bearing.

Can be used with saws from 20 inches to 30 inches in diameter.

Complete with Blade

No.	With size blade	Size pulley	Speed R. P.M.	Wt. each	Each
46	26 in.	6x6 in.	1250	800 lbs.	$76.00

Loose.

SAW MANDRELS

Style 2 consists of a 1⅞-inch main shaft, 3 feet 10 inches long, one end fitted with 1⅝ inch arbor and flanges, the other end fitted with a 6x6 inch pulley and heavy balance wheel. The boxes are cast on a solid iron beam extending from saw flanges to balance wheel which holds them in perfect alignment with the shaft at all times. This style is recommended to parties who wish to build their own frame.

No. 3 Saw Mandrel is constructed same as No. 2, except the two boxes are intended to be bolted on a timber or support of some kind and are of the self-adjusting type, same as used on our saw frames. This style is especially designed for fastening to frames of trucks, and used in connection with gasoline engines.

NO BLADES

No.	Wt. each	Each
2	132 lbs.	$45.00
3	132 lbs.	34.00

Loose

CROSSCUT SAW BLADES

CURTIS

A saw is a delicate tool. When you stop to think of the thinness of the metal and the severe work that a saw performs, you can readily understand what we mean when we say that a saw is a delicate tool.

To manufacture a saw that will give satisfaction out of such a thin piece of steel requires a combination of the best talent, widest experience, large facilities and the most improved machinery. The makers of our saws have been manufacturing saws and sawmills for over 63 years, and the experience thus gained has taught them just how to put into a saw those qualities that make a good blade. They are the only saw manufacturers who have made sawmill machinery, and therefore have obtained a wider experience than others.

The best steel is used in the manufacture of the saws. The steel is made to their own analysis, selected by repeated tests in their own chemical and physical laboratories. By the use of the latest in heat-recording instruments, they are able to give saws a uniform and tough temper, even to the very points of the teeth.

Every saw, before being shipped, is examined by an expert, to see that it has been properly made.

Diameter	Thickness gauge	Size hole	Wt. each	Each
24 in.	11.	1⅝ in.	18 lbs.	$ 8 50
26 in.	11.	1⅝ in.	21 lbs.	10 00
28 in.	10.	1⅝ in.	26 lbs.	12 00
30 in.	10.	1⅝ in.	31 lbs.	14 00

One in a crate.

TABLE OF SPEEDS

Saw diameter, inch	18	20	22	24	26	28	30
Speed	2000	1800	1636	1500	1384	1285	1200

Champion SPARK PLUGS

Over eighty per cent of all the cars manufactured are equipped with "Champion" Spark Plugs.

See list at bottom of page showing proper type spark plug for passenger and commercial cars

Quantity prices apply solid or assorted

4K8113—(Mfrs. A-2). ½ in long. Each, **$0.45**. Lots of 100, " **.43**

4K8117—(Mfrs. A-14). ¾-18 regular . . . . Each, **$0.53**. Lots of 100, " **.50**

4K8118—(Mfrs. J-13) ½-18 heavy duty. Each **$0.53**. Lots of 100, " **.50**

4K8119—(Mfrs. AA-13). Conical, ½ in. Each, **$0.53**. Lots of 100 " **.50**

4K8120—(Mfrs. AA-53). ⅝-18 long shell, conical porcelain. Each, **$0.53**. Lots of 100, " **.50**

4K8129—(Mfrs. AB-4). ¾ in long. Each, **$0.53**. Lots of 100 " **.50**

4K8111—(Mfrs. J-13). Aero, ½ in. Ea. **63c**. Lots of 100, " **50c**

4K8114—(Mfrs. Jas. 43). "Aero" ¾ in regular. Each **53c**. Lots of 100 " **50c**

4K8112—(Mfrs. A-43). ⅞ in regular. Each **53c**. Lots of 100, " **50c**

4K8139—(Mfrs. J-53). ¾ in long, 18 pt. Each **53c**. Lots of 100 " **50c**

2 pc. heavy stone, specially made for cars of high power and speed.

4K8124—(Mfrs. R-13 "ATA"). Each, **60c**. Lots of 100, " **55c**

OUR printed price is our final price—a "take or leave" price. That's the reason our prices are so low.

"Champion X" Spark Plug and Porcelain for Ford Cars

The Standard Plug and Porcelain for Ford Cars

Spark Plug

4K8110—(Mfrs. A-1). ½ in. special. Each, **45c**. Lots of 100, " **41c**

Porcelain

4K8126—(Mfrs. A-105) For Champion "X" plugs. Guaranteed against blat. breakage. Gaskets included with each porcelain. Each, **22c**. Lots of 100, " **21c**

"Special Value" Champion Spark Plugs

For cars taking ½ in. and ⅝ in. standard plugs.

These Spark Plugs are in original boxes, and we guarantee them to be absolutely perfect in every respect

Extra heavy durable 1 piece construction, eliminating any chance of loss of compression through the plug. Each plug is fully guaranteed by the Champion Spark Plug Company. All Champ now stock ½ in bolt.

4K8106—½ in. thread, designed especially for Ford Cars. also suitable for other cars taking standard ½ in. plug. Each, **34c**. Lots of 50 " **32c**

4K8108—½ in. thread, for cars taking standard ½ in. plug. Each **34c**. Lots of 50, " **32c**

4K8131 (Mfrs. A-63) Metric thread. Each **53c**. Lots of 100, " **50c**

4K8116—(Mfrs. A-14). "O." ⅝ in., special. Each, **63c**. Lots of 100, " **60c**

4K8121—(Mfrs. A-58 Long). ⅝-18, long shell, conical porcelain. Each, **53c**. Lots of 100, " **50c**

4K8125—(Mfrs. H-16). "All in One" priming. ½ in. standard with gasket. Each, **70c**. Lots of 100, " **65c**

4K8127—(Mfrs. A-104) Suitable for all Champion Plugs with the exception of Champion X and Heavy Stone.

"CHAMPION" PORCELAIN

Each **27c**. Lots of 100, " **25c**

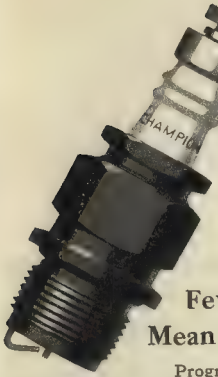
A "CHAMPION" SPARK PLUG FOR EVERY CAR

PASSENGER CARS

	Plug No.	Each
APPERSON	4K8115	53c
AUBURN	4K8112	53c
BRISCOE	4K8114	53c
BUICK	4K8120	53c
CADILLAC	4K8114	53c
CASE	4K8142	53c
CHALMERS	4K8114	53c
CHANDLER	4K8132	53c
CHEVROLET	4K8131	53c
CLEVELAND	4K8132	53c
COLE	4K8114	53c
CUNNINGHAM	4K8124	60c
DANIELS	4K8133	53c
DODGE	4K8120	53c
DORT	4K8132	53c
ELGIN	4K8132	53c
ESSEX	4K8131	53c
FORD (Champion X)	4K8110	46c
FORD (Splitdorf)	4K8123	70c
FRANKLIN	4K8135	53c
GRAHAM	4K8114	53c
HOLMES	4K8118	53c
HUDSON	4K8132	53c
HUPMOBILE	4K8132	53c
JACKSON	4K8124	53c
JORDAN	4K8121	53c
KING	4K8114	53c
KISSEL	4K8121	63c
LEXINGTON	4K8132	53c
LINCOLN	4K8114	53c
LOCOMOBILE	4K8118	53c
MARMON	4K8118	53c
MAXWELL	4K8117	53c
MERCER	4K8118	63c
MOON	4K8114	53c
NASH	4K8138	53c
NATIONAL	4K8133	53c
OAKLAND	4K8121	53c
OLDSMOBILE SIX	4K8121	63c
OLDSMOBILE EIGHT	4K8114	53c
OVERLAND FOUR	4K8116	53c
OVERLAND SIX	4K8124	60c
PACKARD	4K8134	53c
PEERLESS	4K8114	53c
PIERCE-ARROW	4K8114	53c
REO	4K8114	53c
ROAMER	4K8133	53c
SAXON	4K8114	53c
SCRIPPS-BOOTH	4K8132	53c
SHERIDAN	4K8131	53c
STANDARD	4K8114	53c
STEARNS-KNIGHT	4K8118	53c
STUDEBAKER 1919 and earlier	4K8135	53c
STUDEBAKER 1920 and later	4K8119	53c
SHERIDAN	4K8132	53c
STUTZ	4K8132	53c
TEMPLAR	4K8118	53c
WILLYS KNIGHT	4K8118	53c
WILLYS 6X	4K8124	60c
WINTON	4K8117	53c
	4K8124	60c

COMMERCIAL CARS

	Plug No.	Each
ACME	4K8124	60c
AUTO, AR	4K8132	53c
BESSEMER	4K8124	60c
BETHLEHEM	4K8124	60c
DIAMOND T	4K8132	53c
DODGE	4K8124	60c
FEDERAL	4K8129	63c
FORD	4K8332	53c
FORD (priming)	4K8112	53c
GARFORD	4K8125	70c
G. M. C.	4K8124	60c
GRAHAM	4K8133	53c
GRAHM-BERNSTEIN	4K8114	53c
KELLY SPRINGFIELD	4K8124	60c
LITTLE GIANT	4K8124	60c
MACK	4K8129	53c
OLD RELIABLE	4K8134	60c
PACKARD	4K8132	53c
PEERLESS	4K8133	53c
PIERCE-ARROW	4K8124	60c
REPUBLIC	4K8118	53c
VIM	4K8132	53c
WHITE (Morse)	4K8131	53c
WHITE (M)	4K8124	60c
FORDSON TRACTOR	4K8115	45c



Champion X is the one spark plug recognized as the standard for Ford cars, trucks and tractors. Millions are in daily use. They are a sure profit maker for you.

CHAMPION

Champion Double-Ribbed Core for your protection

Fewer Champion Types Mean Greater Dealer Profit

Progress in motor standardization has made possible the reduction of the Champion Blue Box Line to *seven numbers*. These seven types cover the requirements of every engine made in quantity. The Champion X and Champion X Long meet the needs of Ford cars, trucks and tractors.

With the very minimum investment, the Champion dealer can now carry stock to meet absolutely all calls. His stock turns faster and makes him more profit if he carries the full line of dependable Champion Spark Plugs.

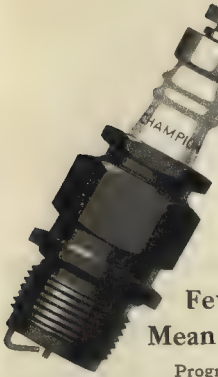
Champion Spark Plug Company,
Toledo, Ohio

Champion Spark Plug Company of Canada, Limited, Windsor, Ontario

Only One Spark Plug is Entitled to the Name Champion. You Can Identify It by the Double-Ribbed Core.

CHAMPION

Dependable for Every Engine



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Dependable for Every Engine

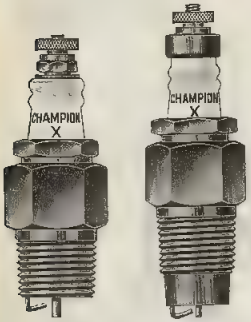
Champion SPARK PLUGS

45c

Over 80% of all cars manufactured leave the factories equipped with "Champion" spark plugs. Quantity prices apply on solid or asstd. styles.

53c

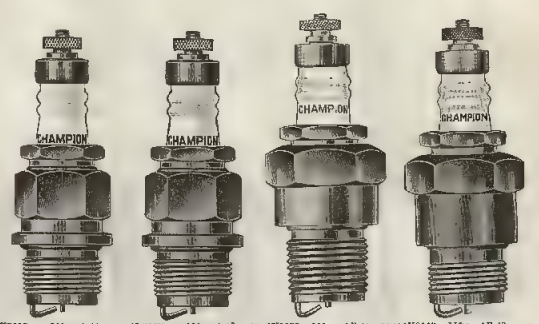
Special Plugs for Fords



4K8116 — (Mfrs. A-15). "Champion X," special, ⅝ in. Each, **$0.45**; Lots of 100 " **.41**

4K8118 — (Mfrs. A-29). "Champion X Long," ⅝ in. long. Each, **$0.45**; Lots of 100 " **.41**

Manufacturer's Nos. 1—2—3—4



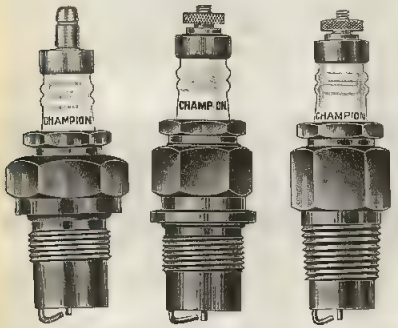
4K8117 — Mfrs. A-44 new No. 1), ⅝ in., standard. Each, **$0.53**; Lots of 100, " **.50**

4K8132 — Mfrs. A-43, new No. 2), ⅝ in. standard. Each, **$0.53**; Lots of 100, " **.50**

4K8129—Mfrs. AB-44 new No. 3) ⅝ in. regular. Each, **$0.53**; Lots of 100. " **.50**

4K8112—(Mfrs. AB-43, new No 4), ⅝ in., long body, regular. Each, **$0.53**; Lots of 100, " **.50**

Manufacturer's Nos. 5—6—7



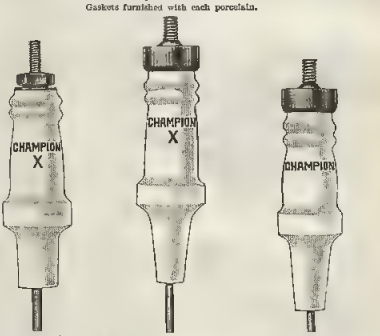
4K8120 — (Mfrs AA-54, new No. 5), ⅛ in., long, regular. Each, **$0.53**; Lots of 100, " **.50**

4K8121—(Mfrs. A-55, new No. 6), ⅞ in long, standard Each, **$0.53**; Lots of 100, " **.50**

4K8115—(Mfrs. A-34, new No. 7) ½ in long standard Each, **$0.53**; Lots of 100, " **.50**

"Champion" Porcelains

Gaskets furnished with each porcelain.



4K8126—(Mfrs. A-100). For "Champion X plugs. Each, **$0.22**; Lots of 100, " **.21**

4K8128—(Mfrs. A-200). For "Champion X Long plugs. Each, **$0.22**; Lots of 100. " **.21**

4K8127—(Mfrs. A-101) For all "Champion plugs except "Champion X," and "Champion X Long." Each **$0.27**; Lots of 100, " **.25**

FREE "MERCHANDISER"

Spark Plug

The new and modern way of selling "Champion" Spark Plugs

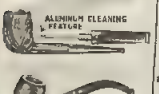
This case, with the car index chart attached, enables instant selection of the proper spark plug for any passenger car, truck or tractor. Made of metal, for use on counter, show case or shelf. Keeps your stock in order and occupies small space. Shipped FREE on request with every order consisting of 100 "Champion" plugs.

A "Champion" Plug For Every Car—Each, 53c

(Except 4K8110 and 4K8113 for Fords, Each, 45c)

BUICK	4K8120	GRAY	4K8121
CADILLAC	4K8112	H C S	4K8132
CASE	4K8112	HAYNES (To 1922)	4K8132
CHALMERS	4K8132	HAYNES 75	4K8120
CHANDLER	4K8132	HUDSON—To 1921	4K8132
CHEVROLET	4K8120	HUPMOBILE	4K8132
CLEVELAND	4K8112	JACKSON	4K8132
COLE	4K8112	JEWETT	4K8132
COLUMBIA	4K8120	JORDAN	4K8112
CUNNINGHAM	4K8120	KISSEL	4K8112
DANIELS	4K8112	LAFAYETTE	4K8117
DAVIS	4K8112	LEXINGTON	4K8132
DODGE	4K8120	LIBERTY	4K8132
DORRIS	4K8112	LINCOLN	4K8117
DORT 4 & 6	4K8117	LOCOMOBILE	4K8132
DURANT 4	4K8120	MARMON	4K8132
DURANT—6	4K8117	MAXWELL	4K8117
EARL	4K8114	MERCER	4K8121
ELCAR	4K8117	MOLINE-KNIGHT	4K8132
ELGIN	4K8117	MOON	4K8132
FORD	4K8110 or 4K8113	NATIONAL—To 1921 NATIONAL—1921 and later	4K8132 4K8121
FRANKLIN	4K8121	OAKLAND	4K8132
GRANT	4K8117	OLDSMOBILE—4	4K8121
		OLDSMOBILE—6	4K8121
		OLDSMOBILE—8	4K8132
		OVERLAND—4	4K8117
		OVERLAND—6	4K8120
		PACKARD	4K8112
		PAIGE	4K8112
		PEERLESS	4K8112
		PIERCE ARROW	4K8112
		PREMIER	4K8132
		RICKENBACHER	4K8121
		ROAMER	4K8112
		R & L KNIGHT	4K8132
		SHERIDAN	4K8120
		STANDARD 8	4K8132
		STARR	4K8120
		STEARNS-KNIGHT	4K8124
		STEPHENS	4K8120
		STUDEBAKER—1920 and later	4K8117
		VELIE 6 & 66	4K8121
		VELIE 58	4K8132
		WESCOTT	4K8112
		WHITE	4K8112
		WILLYS-KNIGHT	4K8132
		YELLOW CAB	4K8124

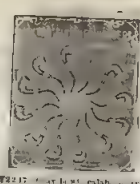
W D C "MILANO" ITALIAN BRIAR PIPES



"Milano"—Finest selected genuine Italian briar all hand made, rusticated styles. Will not chip. Finely finished imperfections, hand polished, waxed finish, hand of solid rubber bits, aluminum cleaning feature. Each in flannelette pouch in box.

IY2245 Half seat stem
IY2250 Bent stem egg bowl
IY2252—Straight stem egg bowl
Each, **$2.25**

NOVELTY AND SOUVENIR PIPES



IY2217 [illegible] bent stem hard rubber bits [illegible] ferrules. 1 doz in style [illegible]
Doz **85c**

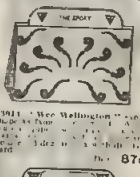
IY2220—"Snappy," solid rubber, 5cm stems, rustic style bowls, can be used as cigarette holder. 1 doz. on display card.
Doz. **85c**

IY2111 [illegible] miniature [illegible] 1 doz. on [illegible] display card
Doz. **$2.15**

"DURO-BIT" PIPE ASST.

The new pipe with the unbreakable stem [illegible] feature which is [illegible]

IY 691 [illegible] hard rubber bits [illegible] around aluminum tube, prevents breaking [illegible] flask mounted on card.
Doz. **$4.10**



IY2011—"Wee Wellington" [illegible] bowl, [illegible] rubber bits [illegible] card
Doz. **87c**

IY2010—"Hobby" [illegible] assorted [illegible] best [illegible] rubber bits. Asstd. 1 doz. on display card. 2 doz. (3 cards) in box
Doz. **98c**

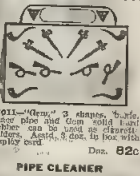
PIPE MOUNTS

Assortment of rubber mounts for repairing all staple, medium and large size pipes.

IY2170 12 styles, hard rubber [illegible] with [illegible] shoulder [illegible] mount pipe bits. 3 doz. in part filled display box
Per Doz. **$1.05**

CIGARETTE HOLDERS

IY 366b Black Beauties [illegible] hard rubber [illegible] 1 doz. on card
Doz. **84c**



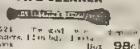
IY2011—"Gem," 3 shapes, bowls, pecan pipe and 6cm solid hard rubber cigarette holders. Asstd. 1 doz. in box with display card
Doz. **82c**

IY2000—"My Lady Churchward" [illegible] pipe [illegible] 1 doz. on display card
Doz. **$1.87**

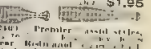
IY2168—6 styles [illegible] rubber shoulder [illegible] push bits, straight and [illegible] style Wellington [illegible] pipes. Asstd. 1 doz. on card
Doz **$1.20**

IY2685 Asstd. styles and colors, 2¼ to 5¾ in gutalith holders. Asstd 1 doz. on card
Doz **$1.95**

PIPE CLEANER



IY2274 [illegible] Cleaners. 1 doz. bd. [illegible] in box
Box **98c**



IY2300 Premier [illegible] styles [illegible] clear Rodin [illegible] [illegible]
Doz **$3.95**

CIGARS AND TOBACCO

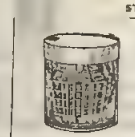
CIGARS

New "Red Cloud"—4½ in. Perfecto, well made combination shape, banded
IY8250—50 in box
Per M. **$24.50**

"Beech Nut" — 4½ in straight shape, good appearance.
IY8342—100 in box
Per M. **$31.00**

Manila [illegible] in., full London [illegible] tobacco. The [illegible] of the Manila cigars [illegible] in the "Isabelle" factory.
IY8903—100 in box (3 bill's ribbon tied)
Per M **$33.50**

"El Rol-Tan" — Puritano shape, full 4½ in. long
IY8920—50 in box.
Per M **$78.00**



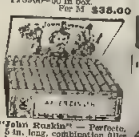
"Pollack" Stogies—4½ in., all tobacco, long filler, hand made, Virginia broad leaf wrapper
IY8012 100 in cardboard drum
Per M **$25.50**

STOGIES

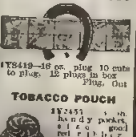
"Pittsburgh Dutch stogie [illegible] in. [illegible] filler hand made broad leaf wrapper. [illegible]
IY8495— [illegible]
Per M **$27.00**

"La Palina Senators" [illegible] perfecto shape [illegible]
IY8915—50 in box
Per M **$98.00**

Brotherhood Cigars — 4½ in. Perfecto shape, Havana long filler, Connecticut binder and Sumatra wrapper, banded
IY8900—50 in box
Per M **$38.00**



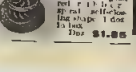
"John Ruskin"— Perfecto, 5 in. long, combination filler, broad leaf wrapper, banded.
IY8750—50 in box.
Per M. **$89.00**



"HORSE SHOE" CHEWING TOBACCO

IY8419—48 pc. plug, 10 cuts to plug, 12 plugs in box
Plug, Gut

TOBACCO POUCH



IY2453 [illegible] handy pocket [illegible] good [illegible] [illegible] [illegible] [illegible] 1 doz. in box
Doz **$1.85**

"Bull Durham" Smoking Tobacco

Well known "Bull Durham" at prices under any other quotations. U. S. Army goods

IY8399—1½ oz. pkg., 16 doz. pkgs. to carton (7½ lbs.) $5.00 Doz. pkgs. **$42**
IY8404 2½ oz. extra size pkg., 4 doz. pkgs. to carton Doz. pkgs. **$75**
Total $5.00.

"Tuxedo" Smoking Tobacco

Big value to offer for 10c and get a nice long profit

IY8418—1½ oz. tins, U. S. Army goods. 2 doz. in pkg.
Doz. **$1.15**
Gro. **$13.20**

The Cleveland Newspaper Situation

The Press Is Cleveland's Most Popular Newspaper

THE circulation statements of the Cleveland daily newspapers for the period ending September 30, 1922, was as follows:

The Press - 182,548
The News - 106,601
Plain Dealer - 192,712

These are daily figures only, as The Press does not publish a Sunday edition.

143,041 of The Press total circulation of 182,548 is in Greater Cleveland, representing one of the most highly compact and intensified circulations of any daily newspaper.

Possibly this is one of the reasons why The Press carries more local advertising than any other Cleveland daily newspaper.

ALLIED NEWSPAPERS, INC
Publishers Direct Representatives
New York Chicago Cincinnati San Francisco
St. Louis Atlanta Cleveland
Member Audit Bureau of Circulations

The Scripps-Howard Newspapers
Including the Scripps-McRae League
The CLEVELAND PRESS
DOMINATES GREATER CLEVELAND

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The News - 106,601
Plain Dealer - 192,712

These are daily figures only, as The Press does not publish a Sunday edition.

143,041 of The Press total circulation of 182,548 is in Greater Cleveland, representing one of the most highly compact and intensified circulations of any daily newspaper.

Possibly this is one of the reasons why The Press carries more local advertising than any other Cleveland daily newspaper.

ALLIED NEWSPAPERS, INC
Publishers Direct Representatives
New York Chicago Cincinnati San Francisco
St. Louis Atlanta Cleveland
Member Audit Bureau of Circulations

The Scripps-Howard Newspapers
Including the Scripps-McRae League
The CLEVELAND PRESS
DOMINATES GREATER CLEVELAND

WILDER'S "LION" HALF SOLES AND STRIPS

ON YOUR COUNTER
This Silent Salesman will bring you sales in leather goods that you never had before It's mighty good merchandise in an attractive easy-to-sell-from box. And the price will add to your reputation as the store of big values.

Half Soles and Strips
In display cabinet

Nationally advertised, quality leather at the price of inferior goods. Retail prices marked on each strip and each pair of soles. A package of nails with each pair of soles.

1H5105—Extra selection, cut from high grade oak leather, each pair of half soles and each strip is labeled with repairing instructions and retail price, pkg. of nails with each pair of soles. Asstd. as follows.

2 pkgs. "Lion" Strips. Retail value.....$10.00
5 doz. prs Men's "Lion" Soles. Retail value . 15.00

Display Cabinet FREE — Total retail value, $25.00

ASST. **$17.50**

Half soles to replenish stock in above cabinet Retail price on each pair also pkg of nails with each pair. 1 doz. prs in carton.

	Size	Retail Prices Per Pr.	Weight	Doz. prs
1H5170—	8-12	20c	Light medium .	$1.70
1H5171—	8-12	25c	Medium	2.15
1H5172—	8-12	30c	Heavy medium..	2.75
1H5069—	10-13	25c	Heavy	3.25
1H5173—	10-13	50c	Extra heavy ..	4.20

HALF SOLES

STRIPS AND COBBLERS' OUTFITS

Men's Leather Half Soles

1H7071—Serviceable selection, 8 in. to doz. prs oak tanned, cut on wide pattern, standard sizes. Asstd. sizes 8 to 12. 1 doz. prs in bdl. Doz prs **78c**

1H5227—Good selection, 9½ in. to doz. prs, oak tanned, cut on wide pattern. Asstd. sizes 8 to 12. 1 doz. prs. in bdl. Doz prs **$1.20**

1H7501—Good selection, 8½ in. to doz prs, waterproof oak tanned shoulder cuts treated with vegetable oil preparation which increases wearing qualities and renders impervious to water. Asstd. sizes 10 to 13. 1 doz prs in carton. Doz prs. **$1.20**

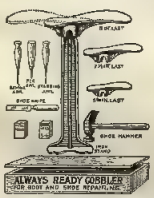
"Soles of Honour" Oak Strips

6½ in. wide asstd lengths and weights, guaranteed quality, oak tanned free from brands and grain damages. each strip labeled with retail price. 1 asst. in pkg.

1H5178—Variety asst. Retails for $6.00 .....Asst. **$4.40**

1H5082—General asst. Retails for $10.00 . . Asst. **$7.75**

COBBLERS' REPAIR OUTFITS



1H5366—"Always Ready," double japanned finish. Outfit consists of the following.

3 lasts (6, 7¼, 8½)	knife	pkg awl	sewing awl
hammer	pkg clinch nails	pkg boot nails	stabbing awl

1 set in box, 7½ lbs. Set, **$0.85**

Lots of 6 sets, " **.78**

1H5181—"Family Cobbler," japanned. Outfit consists of the following.

stand	3 awls	half soles
3 lasts	wax, etc.	heel plates
awl wrench	shoe nails	bristles
shoe knife	cement	thread
shoe hammer		

1 set in case 8½ lbs ..... Set, **$1.45**

1H5162—"Work Shop," japanned for repairing boots, shoes and rubbers, harness, tinware, etc. Outfit consists of the following

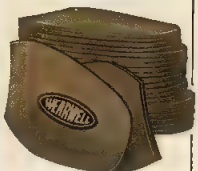
stand	cement	rivet set
4 lasts	saw clamp	heel plates
2 awls	belt punch	wax
knife	soldering iron	nails, etc.
hammer	solder	

1 set in box, 12 lbs ..... Set, **$1.75**

"WEARWELL" LEATHER

These low prices give you a big advantage in the face of a hide shortage and an advancing market

Men's Waterproof Half Soles

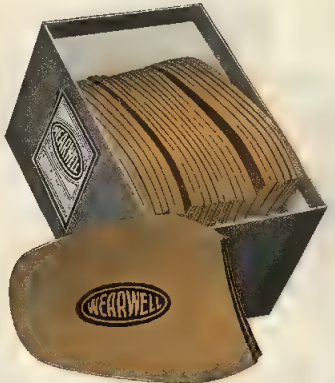


1H4094—**Good selection,** 4½ in. to doz. prs., specially treated to resist wear and water. Do not need to be soaked in water before putting on. Assid. 8 to 12. 1 doz. prs. in box. Doz. prs. **$2.10**

Extra Selection—Broad pattern specially treated to resist wear and water. Do not need to be soaked in water before putting on. Assid. 1 doz. prs. in box.

	To doz. prs.	Sizes	Doz. prs.
1H4211	4	in. 8 to 12	$2.45
1H4210	4½	" 8 " 12..	2.65
1H4213	5	" 10 " 13.	2.85
1H5438	5½	" 10 " 13 .	2.95

Oak Half Soles



Extra Selection—Genuine oak tanned leather, good texture and grain.

MEN'S—Broad pattern. Assid. 1 doz. prs. in box.

	To doz. prs.	Sizes	Doz. prs.
1H4748	3	in. 8 to 12	$1.20
1H5138	3½	" 8 " 12	1.60
1H5124	4	" 8 " 12	2.20
1H5171	4½	" 8 " 12	2.35
1H5172	5	" 10 " 13	2.60
1H4156	5½	" 10 " 13	2.85
1H4157	6½	" All 13	3.10
1H4158	6	" All 13	3.45

BOYS'—Assid 1 doz. prs. in box.

	To doz. prs.	Sizes	Doz. prs.
1H4159	3½	in 4 to 7	$1.15
1H6168	4	" 5 " 7	1.45

WOMEN'S—Assid. 1 doz. prs. in box

	To doz. prs.	Sizes	Doz. prs.
1H4203	3	in 3 to 7...	$0.89
1H4204	3½	" 3 " 7	1.08
1H4205	4	" 3 " 7	1.25

Good Selection Genuine oak tanned leather. Assid. 1 doz. prs. in box

MEN'S—

	To doz. prs.	Sizes	Doz. prs.
1H4965	3½	in. 8 to 12.	$1.20

MEN'S—

	To doz. prs.	Sizes	Doz. prs.
1H4594	4	in 8 to 12.	$1.75

MEN'S—

	To doz. prs.	Sizes	Doz. prs.
1H8894	4½	in. 8 to 12.	$1.90

Men's Heel Lifts

1H7072—**Good quality,** 3½ in. to doz. prs., medium weight top pieces. 1 doz. prs. in box. Doz. prs. **45c**

Extra selection—Slaughter leather top pieces smooth and firm. 1 doz. prs. in box.

	To doz. pcs.		Doz. pcs.
1H5152	4	in	$0.68
1H5151	4½	"	.75
1H5153	5	"	.84

Half Sole Squares

Extra selection, 6½x8½, genuine white oak tanned pliable, each piece sufficient for large pair of soles. 1 doz. pcs. in box.

	To doz. pcs.		Doz. pcs.
1H5158	3½	lbs	$2.45
1H5100	4½	"	2.95
1H5102	5½	"	3.85

PUT PRICE TICKETS ON EVERY ARTICLE. THEY TURN SHOPPERS INTO BUYERS.

Oak Strips

SERVICEABLE SELECTION—Slaughter cuts, assid. lengths, medium weight. 15 lbs. in pkg.

1H5094	6½	in. wide..	Lb. 38c
1H5096	8½	" "	

GOOD SELECTION—Medium weight. 15 lbs. in pkg.

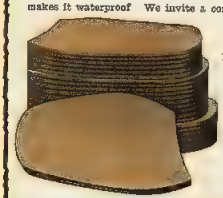
1H7818	6½	in. wide.....	Lb. 54c
1H7811	8½	" "	

EXTRA SELECTION—Free from brands, cuts or damages. 15 lbs. in pkg.

1H7816	6½	in. wide . .	Lb. 60c
1H7817	8½	" " . .	

"LINDENOID CHROME" LEATHER

Widely advertised. Treated with vegetable oil composition which increases wearing qualities and makes it waterproof. We invite a comparison of quality and prices.

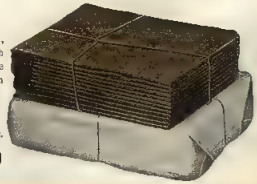


Men's Half Soles—Good selection tanned leather. 1 doz. prs. in box.

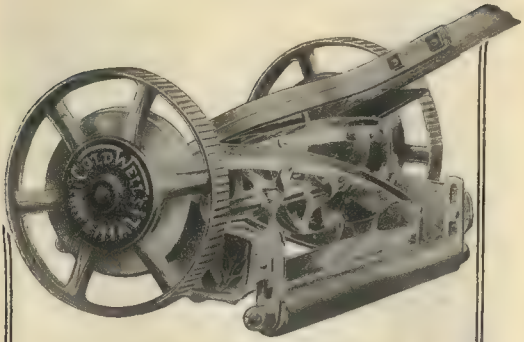
1H4504—4 in. to doz. prs. Doz. prs. **$1.50**

1H5130—5 in. to doz. prs. Doz. prs. **$2.85**

Half Sole Squares—7x8½, tanned, pliable, each piece sufficient for large pair soles. 1 doz. pcs. in box.



1H4582—3½ lbs. to doz. pcs. Doz. pcs. **$3.00**



"SUGGESTION" Will Sell Lawn Mowers

Use our handsomely illustrated seven color Window Display. Every Tom, Dick, Harry and Martha seeing it, whose "Grass Cutter" is on its last legs, will be reminded that there, in your store, are the new Lawn Mowers they need.

One Coldwell dealer doubled his sales by using this efficient, seven color Display. By doing what he did, you will sell more machines and increase your profits.

If you have this Display, take it out, dust it off and place it in your window with a Coldwell Lawn Mower on each side.

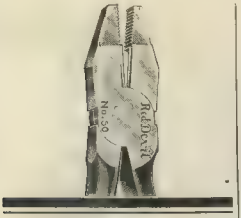
Start it working!

If you haven't this Display, write or telegraph immediately and we will rush it to you, together with our other Aids-to-Merchandising. You want it—you need it. Remember—you're going to sell more Lawn Mowers this season. ON YOUR TOES!

COLDWELL LAWN MOWER CO.
NEWBURGH, N.Y., U.S.A.

Hand, Horse, Motor and Gang Mowers

Say you saw it in GOOD HARDWARE



Get a Firm Grip on Your Consumer Trade With

Red Devil
REG U S PAT OFF.

Pliers

"Red Devil" Pliers make and hold trade. Made in complete assortment of styles and sizes, each tool designed and forged to a high standard, that is found only in "Red Devil."

And "Red Devil" Plier Display Boards make it extremely easy for you to go after plier business the right way.

It is to your advantage to write to-day for literature and trade prices.

Smith & Hemenway Company, Inc.
Manufacturers of "Red Devil" Tools
251 Broadway **New York, N. Y.**

Features which sell the Auto-Wheel No. 1

Think of the hit which a coaster wagon with rubber-tired, steel disc wheels would make on a boy. Think of being a boy yourself and of having a wagon with wheels just like the snappiest sport model automobile.

Steel disc wheels can be obtained on all Auto-Wheel Coasters rubber or steel tires as the boy wishes or artillery-type wood spoke wheels. All wheels are interchangeable Three largest models have over-sized rubber tires.

Many boys know this about Auto-Wheel Coasters. Many more are being told about it through our national advertising. This and other distinguishing and unusual features of the line make it easy for you to sell the

Auto-Wheel

Besides steel disc wheels or wood spoke wheels, Auto Wheel Coasters offer self-contained roller bearings, hound brace, hand brake, special auto type hub cap and locking pin, and mortised joints in body. Body of seasoned ash; bolsters of hard maple—a construction superior to any other type and one which has not failed to give utmost satisfaction

And the Auto-Cart (Auto-Wheel's junior companion for little brother and sister) has rubber-tired disc wheels, too. Also self-contained roller bearings, and the same high grade material and finish.

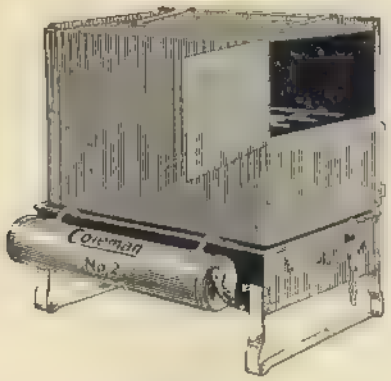
If you are not handling this profitable, quick-turning line of coasters and carts, get started now so that you will share in the spring and summer business. Write to your jobber, or to us about the wagons which sell themselves.

Auto-Wheel Coaster Co., Inc.
North Tonawanda, N. Y.

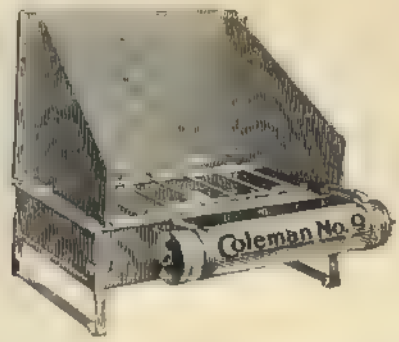
PERMANENT TOY FAIR
108 Chambers St., New York City. **214 Maritime Bldg., Seattle, Wash.**

ALBANY HARDWARE & IRON CO.

COLEMAN CAMP STOVES



No. 2
Has drum heater, oven and warming cabinet



No. 9
Has wind baffle but no oven or drum heater

Gasoline is the fuel. Quick pot blast starters, a cooking blaze in two minutes. The brass burners have the handy valve, controlling the flame to the desired heat.

Pump, funnel, wind baffle, etc., are all attached to stove. Steel legs fold over and hold the lids when stoves are packed.

No.	Burners	Top	Folded	Packed	Weight	Each
2	3	18½x11¼ in.	18½x11¼x4 in.	1	20 lbs.	$12.50
9	3	18½x11¼ in.	18½x11¼x4 in.	1	16 lbs.	9.00

SIMPLEX GRIDS

Nos. 300, 304

Made of heavy wire, electrically welded. Folds up into a flat form which is easily packed in car or canoe.

No.	Size	Packed	Weight	Each
300	13x21½ in.	6	21 lbs.	$0.90
304	10x14 in.	6	11 lbs	.60

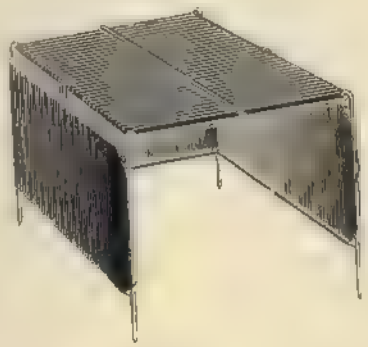
AUTO SIPHONS

Kampkook

Nickel plated brass barrel, 3 feet of hose. Operated by placing hose in tank and pulling out the plunger in the barrel.

Name	Packed	Weight	Each
Kampkook	1	8 oz.	$1.00
Coleman	1	8 oz.	1.00

SUPERIOR CAMP STOVE

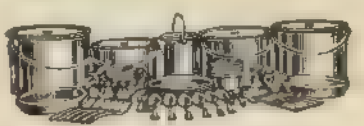


No. 337

A camp grid equipped with sheet metal windshields attached on three sides. Folds into a flat convenient form. Size, 12 x 20 inches. Lacquered finish.

Packed, 6, weight, 26 lbs.....each, $1.75

CAMP COOKING OUTFITS

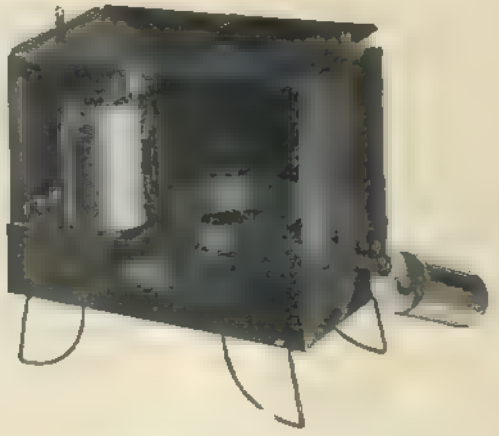


Due to the frequent changes in the kinds and number of articles and utensils we are not attempting to show the different camp cooking outfits we carry in stock.

We have them in aluminum, enameled ware and tin and will be pleased to send catalogues accompanied by prices, upon request.

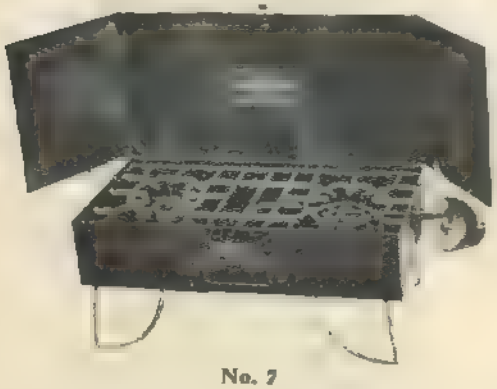
AMERICAN KAMPKOOK STOVES

No. 3

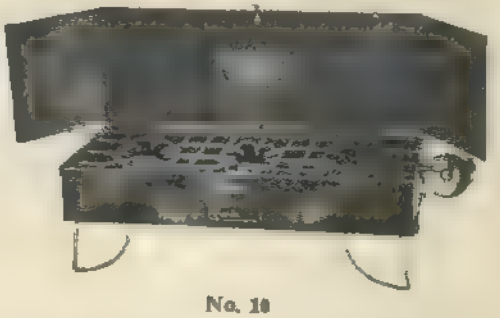


No. 8

With Built-In Oven and Heater



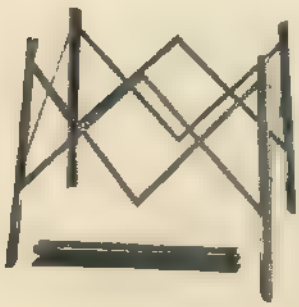
No. 7



No. 10

Small, compact and convenient and burn gasoline. Quickly assembled and set up. Fitted with attached folding legs. Steel grid or tops are hinged to the case. Cover is equipped with adjustable wings which serve as windshields. Removable tank. Master burner produces gas for second burner. All parts including tank packed inside of case when not in use. Olive drab baked enamel. Built-in pumps.

No.	Burners	Top	Folded	Tank Holds	Packed	Weight	Each
3	2	8 x14½ in.	3⅛x 8 x14½ in.	1 qt. (3 hours)	1	9 lbs.	$5.50
8	2	10⅝x19½ in.	4⅞x10⅞x19½ in.	2 qt (6 hours)	1	21 lbs.	10.00
7	2	10½x19½ in.	4¼x10½x19½ in.	1½ qt. (4½ hours)	1	15 lbs.	8.00
10	3	10½x26 in.	4¼x10½x26 in.	2 qt. (4½ hours)	1	20 lbs.	12.00



Nos. 39, 40, 41

CAMP STOVE STANDS

A collapsible steel stand with riveted sliding joints. Dull nickel finish. Height 27 inches. For Kampkooks.

No.	For Stove	Packed	Weight	Each
39	No. 3	1	2 lbs.	$1.50
40	Nos. 7 & 8	1	3¼ lbs.	1.80
41	No. 10	1	4 lbs.	2.00

A collapsible, braced stand that folds into a small space. For Coleman Camp Stoves

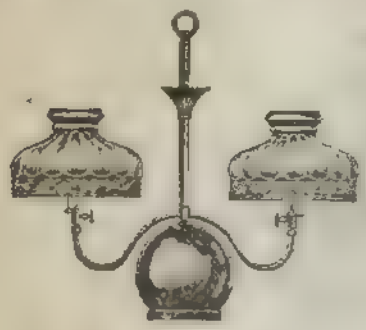
No.	For Stove	Packed	Weight	Each
10	Nos. 2 and 9	1	8 lbs.	$2.40

GASOLINE GAS LAMPS

COLEMAN QUICK LITE

These Lamps Make and Burn Their Own Gas From Common Gasoline. No Smoke No Smell No Dirty Chimneys or Any Greasy Wicks. Fill Them Once a Week; Clean Them Once a Year

They Give a Very Bright White Light. No Danger if Upset, So Constructed That They Cannot Explode. Simple and Easy to Operate, No Delicate Parts to Get Out of Order. Light With Match; Torch Unnecessary



CHANDELIER

Designed for Lighting Stores, Churches, Schoolhouses, Homes, Etc. It is Composed of Two Separate Air-O-Lite Burners, Either One or Both of Which Can be Lighted as Desired

Fount Made of 18 Gauge Brass Heavily Nickeled; Capacity, 6 pints; Supplies Both Burners for 16 to 18 Hours; Opal Ribbed Shades.

Equipped With Pump, Torch Wrench, Hanger Extra Wick and Tools for Inserting.

	Each
✣No. PQ329—Weight Each, 16 ozs.	$26.50
One in a Carton	
No. 329—Extra Shades for Above	2 20
	Per Dozen
In Quantity of One Dozen or More	22.90
Six in a Carton	

Produces a Soft Mellow Light; Has a Match Lighting Burner; No Alcohol Torch Required

300 Candle Power Light; Brown and Tan Shade; Full Nickel Plated; Uses Gasoline for Fuel.

8 inch Fount; 20 inches High; Capacity, 3 pints.

	Each
No. CQ318—Weight Each, 10 lbs.	$15 50
One in a Carton	
No. 318—Extra Shades For Above	4.00
	Per Dozen
In Quantity of One Dozen or More	$40.70
Twelve in a Crate	

Has a Match Lighting Burner; No Alcohol Torch Required.

300 Candle Power Light; Decorated Green Tint Shade; Full Nickel Plated; Uses Gasoline for Fuel.

8 inch Fount; 20 inches High; Capacity, 3 pints.

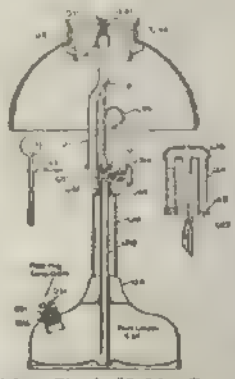
	Each
No. CQ324—Weight Each, 10 lbs.	$15 50
One in a Carton	
No. 324—Extra Shades for Above	4 00
	Per Dozen
In Quantity of One Dozen or More	$40.70
Six in a Carton	

A Durable Shade; Has Match Lighting Burner; No Alcohol Torch Required.

300 Candle Power; White Opal Shade; Full Nickel Plated; Uses Gasoline for Fuel.

8 inch Fount; 20 inches High; Capacity, 3 pints.

	Each
No. CQ329—Weight Each, 10 lbs.	$14 00
No. CQ329A—Same as Above, Except that it Has a Green Border Shade With Panel Decorations	14 80
No. CQ329B—Same as CQ329A, Except that it Has a Tan Border Shade With Panel Decorations	14 80
One in a Carton	
No. 329—Extra Shades for No. CQ329 Lamp	2 20
	Per Dozen
In Quantity of One Dozen or More	$22 00
Six in a Carton	Each
No. 329A—Extra Shades for No. CQ329A Lamp	$3 50
	Per Dozen
In Quantity of One Dozen or More	$38 00
Twelve in a Carton	
	Each
No. 329B—Extra Shades for No. CQ329B Lamp	3 50
	Per Dozen
In Quantity of One Dozen or More	$38 00
Twelve in a Carton	



EXTRA PARTS FOR QUICK LITE LAMPS

Nos.	Each
Q5—Fount Shell	$0.60
Q11—Burner Support Tube Only	.70
Q17—Burner Support Casting	.24
Q18—Gas Tips	.14
Q23—Burner Cap Complete	.36
Q24—Burner Tube	.24
Q25—Burner Cap Screw	.14
Q26—Mixing Chamber	.90
Q32—Air Stem	.36
Q36—Rubber Gaskets	.14
Q41—Shade Holder Screw	.14
Q45—Handle	.50
Q46—Fiber Handle Cap	.14
Q47—Handle Lock Nut	.14
Q56B—Valve Stem and Nut	.50
Q57—Valve Complete	1.10
Q63—Universal Shade Holder	.50
Q64B—Filler Plug Complete	.90
Q65—Fount with Filler Plug	3.30
Q69—Hanger	.14
Q70—Burner, Generator and Valve, Assembled	4.50
Q99—Generator Complete	.60
CQ—Wrench	.40
CP—Pump	1.10
Loose	

Items Marked ✣ Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory

GLASS LAMP FOUNTS

Crystal Fount, Outside Filler, Clinched on Collar; Takes **No. 2 Burner**; Height to Top of Collar, 4 inches; Diameter of Base, 4 inches; Capacity, 1½ Pints.

Per Dozen
No. 13—**Without Handle**; For Chandelier and Bracket; Weight per Dozen, 15 lbs..... **$4.20**
Loose

Glass Fount, Plaster Collar; **Takes No. 2 Burner**; Height to Top of Collar, 3½ inches; Diameter of Base, 4½ inches; Capacity, 1 pint.

Per Dozen
No. 14—**With Outside Filler**; Weight per Dozen, 10 lbs **$2 70**
Loose

Glass Fount; Plaster Collar; **Takes No. 2 Burner**; Height to Top of Collar, 3½ inches; Diameter of Base, 4½ inches; Capacity, 1 pint.

Per Dozen
No. 15—**Without Filler**; Weight per Dozen, 9 lbs..... **$2.20**
Loose

STORE LAMPS

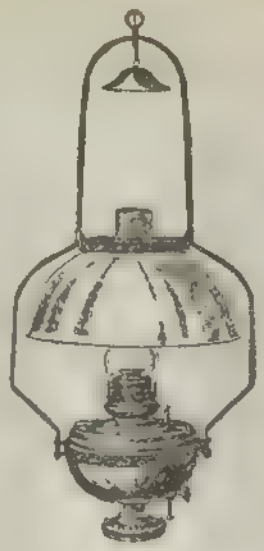
MAMMOTH

Embossed Fount, Lock Ring Harp; Patent Lighting Device (Lamp Can Be Lit Without Removing Chimney); Wick Indicator Shows Motion of Wick; No. 3 Banner or No. 3 Rochester Chimney and No. 3 Circular Wick; **Tin Shade or Reflector, 20 inches in Diameter**, Green Outside, Bright Inside; Length from Base to Hanger, 33 inches; Capacity of Fount, 3 quarts; Will Burn 14 Hours

Each
No. 3—**Plain Brass**, Complete; Shipping Weight, 23 Pounds **$13 60**
One in a Case

MAMMOTH STORE LAMPS

MAMMOTH



Plain Fount; Lock Ring Harp, Patent Lighting Device (Lamp Can Be Lit With Chimney On); Wick Indicator Shows Motion of Wick; Oil Indicator Shows Supply in Fount; No. 3 Plumwood Chimney and Wick, or No. 2-0 Belgian or No. 2-0 Liberty Chimney; **Porcelain Dome, 14 inches in Diameter**; Length from Base to Hanger, 33 inches; Capacity of Fount, 3 quarts; Will Burn 14 Hours

Each
No. 23—**Plain Brass, Complete** **$17.00**

No. 023—**Nickel Plated, Complete** **17 00**
One in a Case; Shipping Weight 23 Pounds

EXTRAS FOR ABOVE

Per Dozen
No. 314—**Shades, 14 inch Opal**; Weight per Dozen, 36 lbs..... **$56.60**
Loose

Plain Fount; Lock Ring Harp; Patent Lighting Device (Lamp Can Be Lit With Chimney On); Wick Indicator Shows Motion of Wick; Oil Indicator Shows Supply in Fount; No. 3 Plumwood Chimney and Wick, or No. 2-0 Belgian or No. 2-0 Liberty Chimney; **Tin Shade, 20 inches in Diameter**, Green Outside, Bright Inside; Length from Base to Hanger 33 inches; Capacity of Fount, 3 quarts; Will Burn 14 Hours

Each
No. 13—**Plain Brass, Complete**..... **$13.60**

No. 013—**Nickel Plated, Complete**..... **14.00**
One in a Case Shipping Weight 23 Pounds

High Grade Golf Bags

Made of Best Materials. Prices Quoted Include War Tax

5+7574 5+7575

5+7574 Special Caddy Bag. Ring is 4½ inches in diameter; length, 35 inches. Made of good quality canvas. Leather top and bottom and leather trimming. Reinforced leather bottom. Full pocket. Heavy web shoulder sling. Each **$5.10**

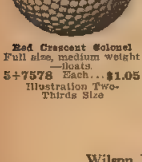
5+7575 Popular Priced Caddy Bag. This bag is made of a very good quality canvas, trimmed with leather. Has a large, roomy pocket. The bottom is cup shaped; that is, the outside of the cuff extends to the lower edge of bottom and is turned over, forming a complete cover for this edge. Reinforced with cowhide and brass protection plate. Leather shoulder straps. Three steel oiled tempered spring stays. Length, 35 inches; 5-inch size. Each **$10.70**

5+7576 Popular Priced Hood Bag. Made of good, serviceable canvas with leather bottom and leather trimmings. Wide shoulder strap with buckle. Turned and stitched cupped bottom, with brass protection plate. Large, roomy pocket. Telescope hood with lock. Four oil tempered spring stays. Welded steel ring. Length, 35 inches. The bag that will keep its shape. 6-inch size. Each..... **$14.85**

5+7577 High-grade Hood Bag. Very heavy, strong canvas with cowhide leather trimming. Solid telescope hood and lock. Reinforced with leather center bands. Large, roomy pocket. Four steel stays. Ring handle. Bottom reinforced with rawhide binding. Brass protection plate. Umbrella straps. Length, 35 inches; 6-inch size. Each **$22.20**

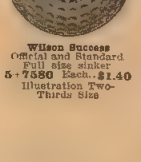
5+7576 5+7577

Colonel and Wilson Golf Balls

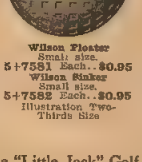


Red Crescent Colonel
Full size, medium weight —floats
5+7578 Each...**$1.05**
Illustration Two-Thirds Size

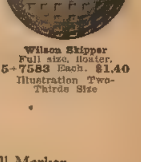
Colonel 30
Full size—floats in
5+7579 Each ..**$1.35**
Illustration Two-Thirds Size



Wilson Success
Official and Standard
Full size sinker
5+7580 Each..**$1.40**
Illustration Two-Thirds Size

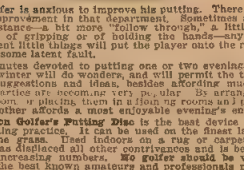


Wilson Floater
Small size.
5+7581 Each..**$0.95**
Wilson Sinker
Small size.
5+7582 Each..**$0.95**
Illustration Two-Thirds Size



Wilson Skipper
Full size, floater.
5+7583 Each. **$1.40**
Illustration Two-Thirds Size

Wilson Patented Putting Disc



Every golfer is anxious to improve his putting. There is generally room for improvement in that department. Sometimes a slight difference in stance—a bit more "follow through," a little change in the manner of gripping or of holding the hands—any one of the dozen different little things will put the player onto the right method and correct some latent fault.

A few minutes devoted to putting one or two evenings each week during the winter will do wonders, and will permit the trying out of numerous suggestions and ideas, besides affording much pleasure.

Putting Parties are becoming very popular. By arranging several holes in a room or placing them in adjoining rooms and putting from one to the other affords a most enjoyable evening's entertainment.

The Wilson Golfer's Putting Disc is the best device yet brought out for putting practice. It can be used on the finest lawn without injury to the grass. Used indoors on a rug or carpet, it has no equal. It has displaced all other contrivances and is being used by golfers in increasing numbers. **No golfer should be without one.** Nearly all the best known amateurs and professionals practice putting with the Wilson. **5+7585** Each..... **$1.10**

The "Little Jack" Golf Ball Marker

Every ball should be marked—not merely because it may be returned to its rightful owner, but because it avoids many an argument on the course and also avoids much of the lifting and replacing of the ball. 5 initials.

5+7584 Marker complete with any 5 initial type. Be sure and mention initials desired
Each..... **$0.75**

JUVENILE GOLF CLUBS

These clubs are miniature models of our special iron clubs shown on page 337 for children 10 to 14 years. This line comes in the following models, Midiron, Mashie and Putter and our special Wood Clubs in Driver and Brassie.
Each **$4.25**

NOTE—We can furnish any of the clubs shown on page 337. Ladies' Model or for left hand players at same prices.

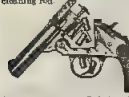
THE ABOVE PRICES ARE SUBJECT TO THE REGULAR DISCOUNT.

IF ANY ARTICLE PROVES UNSATISFACTORY, RETURN AT ONCE. WE WILL EXCHANGE OR REFUND MONEY.

FIRE ARMS & AMMUNITION

"IVER JOHNSON" REVOLVERS

Guaranteed. Each in box, with cleaning rod.



Safety Hammer—5 shot, automatic shell ejector, automatic safety hammer, adjustable main spring, rubber grip. 1 in box.
.32 CAL., 3 IN. BARREL, 13½ oz.
1K6000—Blued . Each **$8.00**
.38 CAL., 3½ IN. BARREL, 18 oz.
1K6010—Blued Each. **$8.00**

Safety Hammerless—5 shot automatic shell ejector, automatic safety hammerless, adjustable main spring, rubber grip. 1 in box.
32 CAL., 3 IN. BARREL, 13½ oz.
1K6015—Nickeled Each. **$8.75**
.38 CAL., 3½ IN. BARREL, 19 oz.
1K6012—Nickeled Each.
1K6014—Blued . **$8.75**

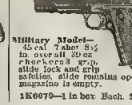
"COLT" AUTOMATIC PISTOLS

Blued finish, safety lock, indicator, take rimless cartridges

Vest Pocket Model—25 cal., 6 shot, 4¼ in. over all, 13 oz., rubber stock
1K6075—1 in box. Each. **$13.80**

Regulation Model—32 cal., 8 shot, 8½ in. over all, 32 oz., rubber stock
1K6020—1 in box Each. **$16.35**

Regular Automatic—38 cal., 9 shot, 7½ in. over all, 32 oz., checkered grip.
1K6078—1 in box. Each. **$29.35**



Military Model—45 cal., 7 shot, 8½ in. over all, 39 oz., checkered grip, slide lock and grip safeties, slide remains open when magazine is empty.
1K6070—1 in box. Each. **$33.70**

"SAVAGE" AUTOMATIC PISTOLS

Model 1917

Blued steel, embodies latest improvements, hand fitting hard rubber grips, visible loading, double safety. 1 in box.
1K6085—25 cal., 8½ in. barrel, 8½ in. over all, 11 shots, 19 oz. Each **$15.25**
1K6086—380 cal., 4½ in. barrel, 7 in. over all, 10 shots, 35 oz. Each. **$15.26**

"COLT" REVOLVERS

Guaranteed against defects in workmanship. Blued finish, double action solid frame, swing out cylinders, with side catch locks, rubber grip.

Pocket Positive—6 shot, 17 oz., takes S. & W. short and long, and "Colt" police positive, full and gallery loads. 1 in box.
1K6070—.32 cal., 3½ in. barrel Each. **$21.20**

Police Positive—6 shot, 20 oz., takes S. & W. short and long, and "Colt" police positive, full and gallery loads. 1 in box.
1K6060—.32 cal., 4 in. barrel.
1K6061—.38 " 4 " "
Each. **$21.75**

Police Positive Special—6 shot, 22 oz., takes S. & W. special, long, short or special "Colt" cartridges. 1 in box.
1K6055—.38 cal., 4 in. barrel. Each. **$22.85**
1K6057—.38 " 6 in. barrel Each **$22.85**

Army Special—Takes long or short, 6 shot, 32 oz. 1 in box.
1K6051 .38 cal., 4 in. barrel. Each. **$24.00**
1K6053—.38 cal. Temp. Out

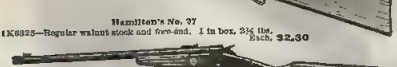
SMITH & WESSON REVOLVER

1K6120. 1905 military model. 6 shot, 38 cal., 4 in. barrel, takes S. & W. special long cal. cartridges, solid frame, swing-out cylinder, double action, military type square butt, wood grip. 1 in box.
Each. **$24.80**

HAMILTON .22 CAL. SINGLE SHOT RIFLES

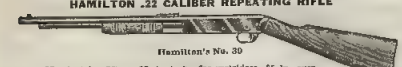
.22 cal., 15 in. blued steel barrels take 22 short or long rim fire cartridges, knife front and open rear sights, steel butt plates.

Hamilton's No. 37
1K6325—Regular walnut stock and fore-end. 1 in box, 2¼ lbs. Each, **$2.30**



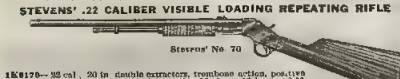
Hamilton's No. 027
1K6326—Oval walnut stock and fore-end. 1 in box, 2¼ lbs. Each, **$2.65**

HAMILTON .22 CALIBER REPEATING RIFLE



Hamilton's No. 39
1K6327—22 cal., takes fifteen 22 short rim fire cartridges. 35 in. over all, take down, 21 in. blued steel barrel, varnished walnut stock, pump action, safety trigger lock. 1 in box, 4 lbs. . . . . Each, Temp. Out

STEVENS' .22 CALIBER VISIBLE LOADING REPEATING RIFLE



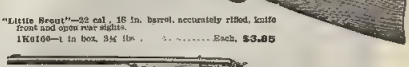
Stevens' No. 70
1K6170—22 cal., 20 in. double extractors, trombone action, positive hammer and breech block lock, capacity 10 short, 12 long and 11 long rifle cartridges, round barrel, bead front and sporting rear sights. 1 in box, 4½ lbs. Each, Temp. Out

STEVENS' .22 CAL. TAKE DOWN RIFLES

Blued steel, round barrel, walnut stocks and fore-ends, use short or long rifle cartridges.

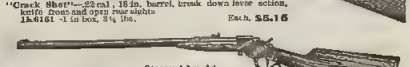
Stevens' No 14

"Little Scout"—22 cal., 18 in. barrel, accurately rifled, knife front and open rear sights.
1K6160—1 in box, 3¼ lbs. . . . . Each. **$3.85**



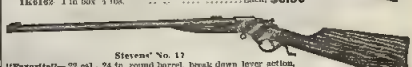
Stevens' No. 26

"Crack Shot"—.22 cal., 18 in. barrel, break down lever action, knife front and open rear sights.
1K6161—1 in box, 3¼ lbs. Each. **$5.15**



Stevens' No 12

"Marksman"—22 cal., 20 in. barrel, break down lever action, bead front and open rear sights.
1K6162—1 in box, 4 lbs. . . . . Each. **$6.50**



Stevens' No. 17

"Favorite"—22 cal., 24 in. round barrel, break down lever action, automatic ejector, Hocky Mountain front and sport rear sights
1K6167—1 in box, 4½ lbs. Each. **$7.40**

"WESTERN" AMMUNITION

RIM FIRE CARTRIDGES

B. B. Caps—.... cal. Adapted to Flobert and other gallery rifles. 100 in box. ½ M in carton
1K9400—Smokeless powder Per M. **$2.60**

.22 Cal. Short. Adapted to repeating and single shot rifles, pistols and revolvers. 50 in box. ½ M in carton.
1K9401—Lesmoke powder Per M. **$3.72**
1K9403 Smokeless powder grooved bullet Per M **$3.98**

.22 Cal. Long. Adapted to repeating and single shot rifles, pistols and revolvers. 50 in box. ½ M in carton
1K9404—Lesmoke powder Per M. **$4.46**
1K9406—Smokeless powder grooved bullet. Per M. **$5.58**

22 Cal. Long Rifle—Adapted to repeating and single shot rifles, pistols and revolvers. 50 in box. ½ M in carton
1K9407—Lesmoke powder **marksman** particularly adapted to Rifle Club usage Per M. **$5.21**
1K9408 Smokeless powder non-greased bullet Per M. **$6.61**

22 W. R. F.—Adapted to Winchester and Remington repeating rifles, Winchester, Stevens single shot rifles, Colt target pistols. 50 in box. ½ M in carton.
1K9411—Smokeless powder Per M. **$8.74**

CENTRAL FIRE CARTRIDGES

.32 Cal. S. & W.—Adapted to "Smith & Wesson, Colt's" and all other revolvers of this caliber. 50 in box. ½ M in carton.
1K9427—Smokeless powder. Per M. **$17.58**
1K9429—Nickeled powder Per M **$16.11**

.38 S. & W.—Adapted to all revolvers of .38 caliber. 50 in box. ½ M in carton.
1K9428—Nickeled powder. Per M, **$19.07**
1K9430—Smokeless powder Per M **$22.61**

.38 Cal. 6 & W Special—Adapted to Smith & Wesson New Military & "Colt" Police Special and Army Special revolvers. ½ M in carton
1K9433—.38 cal. Per M, **$38.08**
1K9436—.45 cal. Per M. **$35.99**

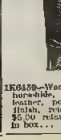
AUTOMATIC CARTRIDGES

Adapted to Colt Smith & Wesson and all other automatic pistols. ½ M in carton
1K9414—.25 cal. Per M, **$24.27**
1K9424—.32 cal. Per M, **$26.37**

"RELIANCE" LEATHER PUTTEES

1 piece molded, smooth finish, waterproof. Sizes 14 to 19 in calf measure. SPECIFY SIZE

1K8458 "Cordovan finish cowhide, reinforced top and bottom. 1 pr. in box. Pr **$3.00**



1K8459—Warranted cordovan horsehide, finest selection leather, polished cordovan finish, two forged A. big $6.50 relief leader. 1 pr. in box. . . . Pr **$3.75**

STANLEY FERROSTAT VACUUM BOTTLES

Will not break

Black enamel steel case, nickel plated base shoulder and cup top, made of heavy sheet steel, being a double-wall, air bottle retard of glass to inner glass filler or glass parts to break or replace. Inside lined with blue "Amalite," completely sanitary. 1 in pkg.
Each
1Y7068—Pint . . . **$5.25**
1Y7069—Quart . . . **7.00**

All the goods in "Our Drummer" are subject to our regular discount of **2%** FOR **CASH** in **10 DAYS**

COLTS AUTOMATIC PISTOLS

The action of these pistols is automatic, except that the trigger must be pulled to fire each shot, the cartridges being supplied from a detachable magazine inserted in the handle of the pistol. After the pistol is charged with a filled magazine, one opening movement is made by hand, bringing the first cartridge into the chamber. On pulling the trigger the cartridge is fired, the empty shell extracted, and a new cartridge loaded into the chamber, all thes operations taking place automatically. This automatic operation of the pistol is effected by the recoil of the moving parts, and as a consequence the recoil is so absorbed in being utilized that it has no disturbing effect.

All Colts' Automatic Pistols are equipped with safety devices.

No. 1CNP.

Vest pocket model, hammerless, 25 caliber, 6 shots, 2 in. barrel, 4½ in. over all, rubber stock.

No. 1C—Blued .....each $27.20
No. 1N—Nickel plated .....each $27.20
No. 197CN—Nickel plated, fitted with fine quality **pearl stocks** .....each $32.50
No. 197C—Blued, fitted with fine quality **pearl stocks,** each $32.50
No. 1NP—Nickel plated, Colt genuine pearl stocks, with medallion monogram .....each $37.50
Extra Magazines, 25 calibre .....each $1.30

ONE IN A BOX. W'T EACH 13. OZ.

Pocket model, hammerless, center fire, 6¾ in. over all, rubber stock.

32 CALIBER, 8 SHOTS

BLUED.

No. 6—3¾ in. barrel, w't 23 oz. .....each $32.70

380 CALIBER, 7 SHOTS

BLUED.

No. 380—3¾ in. barrel, w't 23 oz. .....each $32.70

ONE IN A BOX

EXTRA MAGAZINES

32 Caliber for **No.** 6 pistol .....each $1.50
380 Caliber for **No.** 380 pistol .....each 1.50.

COLT AUTOMATIC PISTOLS IN CASES

Special cases, of the highest quality, made by the Colt Patent Firearms Mfg. Co., for Colt Automatic pistols, calibers 25, 32 and 380, that will appeal to the purchaser, of one of these pistols, who has in mind using the arm as a home defence or office weapon, or for presentation purposes. These cases are sturdily constructed of wood, covered with a high grade black leatherette. They are lined with velveteen and sateen, with a recess provided for the firearm. Two colors of lining are offered: dark blue and maroon. These cases will not be sold separately.

No. 1CX—Colt automatic pistol, 25 caliber, 6 shot, blued vest pocket model, hammerless, 2 in. barrel, 4½ in. over all, rubber stocks, in high grade black leatherette covered wood case, either blue or maroon lining.....each $29.00

No. 1NX—Colt automatic pistol, 25 caliber, 6 shot, nickeled, otherwise same description as No. 1CX, in high grade black leatherette covered wood case, either blue or maroon lining .....each $29.00

No. 1NPX—Colt automatic pistol, 25 caliber, 6 shot, nickel plated, Colt genuine pearl stocks with medallion monogram, otherwise same description as 1CX, in high grade black leatherette covered wood case, either blue or maroon lining .....each $39.30

No. 6X—Colt automatic pistol, pocket model hammerless, 32 caliber, 8 shots, blued 3¾ in. barrel, 6¾ in. over all, rubber stocks, in high grade black leatherette covered wood case, either blue or maroon lining.....each $34.90

No. 380X—Colt automatic pistol pocket model hammerless, 7 shots, blued 3¾ in. barrel, 6¾ in. over all, rubber stocks, in high grade leatherette covered wood case, either blue or maroon lining .....each $34.90

ONE IN A BOX

REMINGTON HIGH POWER BOLT ACTION SPORTING RIFLES

MODEL 30

No. 2130—.30 Caliber, chambered for the U. S. Government service cartridge .30 Caliber Springfield Model of 1906, army type, bolt action, special high pressure steel, tapered barrell 24 in., one piece pistol grip stock; forged steel, grooved butt plate, thumb operated safety device, new model sportingx peep rear sight, adjustable for all ranges from point blank up to 550 yyards; Kerr Service Type sling strap and loop, magazine capacity five cartridges, w't 8 lbs., each $105.55

REMINGTON REPEATING

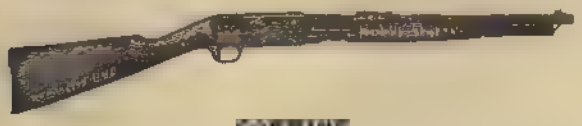
Take-down, solid breech, high power, hammerless, American walnut pistol grip stock and fore-end, steel shot gun butt plate, quick adjustable flat top rear and new design copper bead front sight, w't about 6¾ lb.

22 IN. "ORDNANCE" STEEL BARREL, SIX SHOTS

No. 1425—.25 Remington Auto caliber ....each $80.25
No. 1430—.30 Remington Auto caliber ....each 80.25
No. 1432—.32 Remington Auto caliber ....each 80.25
No. 1435—.35 Remington Auto caliber ....each 80.25

22½ IN. REMINGTON STEEL BARREL, 12 SHOTS

No. 1438—.38 W. C. F. caliber .....each $80.25
No. 1444—.44 W. C. F. caliber .....each 80.25



Take-down, solid breech, high power, hammerless, American walnut straight grip stock and fore-end, steel shot gun butt plate, quick adjustable flat top rear and new design copper bead front sight, with or without ring on left side of receiver, w't 6½ lbs.

18½ IN. REMINGTON STEEL BARREL, 10 SHOTS

No. F2425—.25 Remington Auto caliber★ ..each $78.70
No. 2430—.30 Remington Auto caliber ....each 78.70
No. 2432—.32 Remington Auto caliber ....each 78.70
No. F2435—.35 Remington Auto caliber★ ..each 78.70
No. 2438—.38 W. F. C. caliber .....each 78.70
No. 2444—.44 W. C. F. caliber .....each 78.70

REMINGTON REPEATING

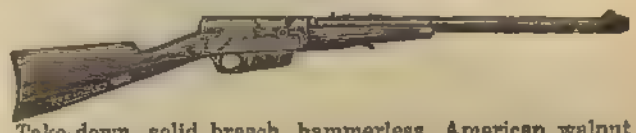
Remington Model 25, Slide Action, Hammerless rifle comes chambered for popular 25/20 and 32/20 caliber cartridges and is result of an insistent demand from shooters for a Remington rifle of this type. It is particularly well balanced, graceful in outline, simple in its operation, strong, dependable, accurate and has exclusive Remington hammerless solid breech. Its wide range of usefulness and low cost of ammunition as compared with high power type of cartridge, make this rifle useful to hunter, trapper, herdsman and farmer.

Take-down, hammerless, American Walnut stock, half pistol grip, fitted with steel rifle butt plate, 24 in. barrel of special Remington steel, white metal bead front sight, with adjustable step buckhorn rear, forearm slide action, tubular magazine, capacity 10 cartridges, length over all 41½ in., take-down 23 in., w't about 5½ lbs.

No. 191—25/20 caliber.....each $48.75
No. 192—32/20 caliber.....each $48.75

ONE IN A CARTON

REMINGTON AUTOMATIC



Take-down, solid breech, hammerless, American walnut straight grip stock and fore-end, rubber shot gun butt plate, adjustable buckhorn step rear, and special shaded steel bead front sights, light trigger pull, w't 7¾ lbs.

22 IN. "ORDNANCE" STEEL BARREL, 5 SHOTS

No. 30—.30 Remington Auto caliber .....each $100.75
No. 32—.32 Remington Auto caliber .....each 100.75
No. 35—.35 Remington Auto caliber .....each 100.75

CARTRIDGE LOADING CLIPS

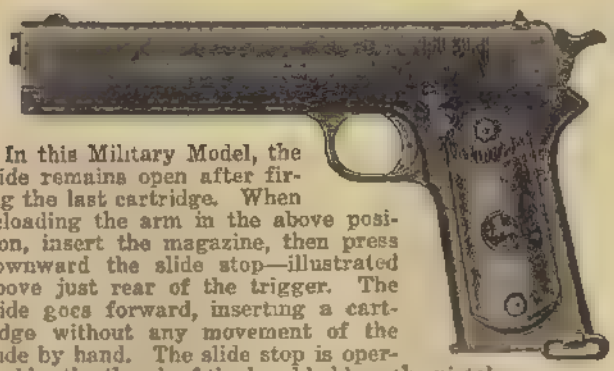
No. 600C—For Remington automatic rifles, .30, .32 and .35 Remington Auto caliber .....per dozen $2.40

When ordering clips specify caliber desired.

ALL ABOVE, ONE IN A CASE

★ Items Marked Thus ★ Are Shipped From Factory Only.

COLT AUTOMATIC PISTOLS



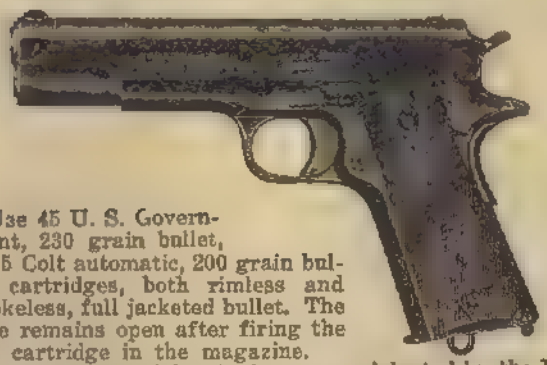
In this Military Model, the slide remains open after firing the last cartridge. When reloading the arm in the above position, insert the magazine, then press downward the slide stop—illustrated above just rear of the trigger. The slide goes forward, inserting a cartridge without any movement of the slide by hand. The slide stop is operated by the thumb of the hand holding the pistol.

Military Model, Hammer.

No. 7—38 cal., center fire, 8 shots, blued, 6 in. barrel, length over all 9 in., w't 38 ozs. .....each $69.60

Extra Magazines, 38 cal., for Colt's automatic military pistols .....each $2.50

ONE IN A BOX



Use 45 U. S. Government, 230 grain bullet, or 45 Colt automatic, 200 grain bullet cartridges, both rimless and smokeless, full jacketed bullet. The slide remains open after firing the last cartridge in the magazine.

Government model 1911, hammer. Adopted by the U. S. government as the service side arm.

No. 45— 45 cal., center fire 7 shots, full blued, checkered walnut stocks, 5 in. barrel, length over all 8½ in., w't 39 ozs. .....each $58.70

Extra Magazines, 45 cal. .....each $2.50

ONE IN A BOX

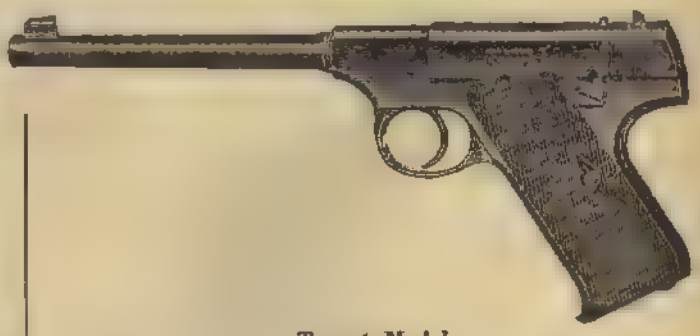
Pocket Model, Hammer.

No. 8C—38 cal., center fire, 7 shots, 4½ in. blued barrel, length over all 7½ in., w't 32 ozs. .....each $67.40

Extra Magazines, 38 cal., for Colt's automatic pocket pistols .....each $2.50

ONE IN A BOX

COLT AUTOMATIC PISTOLS



Target Model.

No. 22G—22 long rifle rim fire caliber, 10 shots, 6½ in. barrel, blued finish, check English walnut stocks, adjustable bead front and rear sights, lenght over all 10½ in., w't 28 ozs. .....each $52.20

ONE IN A BOX

Chambered for 22 Long Rifle Rim Fire Semi-Smokeless cartridges—lubricated cartridges only.

Extra Magazines, 22 long rifle rim fire caliber, for No 22G pistols .....each $4.00

With its long barrel, light trigger pull, splendid balance and adjustable target sights—the front sight adjustable for elevation and the rear for windage—it possesses all the advantages of a single-shot target pistol, with automatic action in addition, obviating the inconvenience of reloading for each shot and allowing rapid fire and snap shooting.

The pistol has a slide lock safety which when the hammer is cocked may be pushed upward, thus positively locking hammer and slide. This cannot be done when the hammer is down. The safety acts as an indicator, showing whether or not the arm is cocked

SAVAGE AUTOMATIC PISTOLS

Use 32 cal. automatic smokeless cartridges.

The .32 Savage Automatic is a powerful, accurate and rapid fire pistol, which carries 10 cartridges in the magazine. An extra one may be placed in the chamber, giving the arm a capacity of 11 shots. The mechanism is semi-automatic or self-loading, in which the recoil of firing the cartridge extracts and ejects the empty shell, also cocks the pistol, reloading it in readiness for the next shot, to fire each of which the trigger must be pulled.

Pocket model, new style hammer or cocking lever.

Blued automatic, 11 shots (including one in the chamber), length of barrel 4 in., length over all 6½ in., w't 19 oz.

No. 15— 32 caliber .....each $30.50

No. 16—380 caliber .....each 30.50

[redacted]

32 Caliber—For No. 15 .....each $2.00

380 Caliber—Hammer for No. 16 .....each 2 00

ONE IN A BOX

REMINGTON AUTOMATIC PISTOL

No. 52—Pocket model hammerless, 32 cal. 8 shots, length 6⅝ in., width or thickenss 9/10 in., w't unloaded 21 oz., finish, browned (a durable dull black) stocks hard rubber .....each $31.50

Extra Magazines, for No. 52, 32 cal. automatic pistol, each $2.00

No. 51—Pocket model, hammerless, .380 caliber, 8 shots, length 6⅝ in., width or thickness 9/10 in., w't unloaded 21 oz., finish, browned (a durable dull black.) Stocks, hard rubber .....each $31.50

Extra Magazines, for No. 51, 380 cal. automatic pistol, each $2.00

ONE IN A BOX

Self-Aiming and Completely Safe.

Capacity of magazine, seven cartridges; an additional cartridge can be carried in the chamber, ready to fire instantly when the safety lever is forward. This is two more cartridges than can be carried in any revolver of similar caliber.

Hammerless, with side ejection. Automatic grip safety prevents firing unless handle is grasped and trigger pulled. Permits carrying full cocked with similar safety.

Thumb-operated safety lever adds safety when pistol is laid away or carried. Also serves as an indicator, it and grip safety both showing whether or not hammer is cocked.

Magazine-removal automatic safety rear lock prevents firing if a cartridge is left in chamber when magazine is removed.

Breech remains positively locked until bullet has left the muzzle—not a blow-back action. Positive prevention of shellhead blowouts and breech escape of powder gas.

Each time trigger is pulled, fires one shot, automatically ejects empty shell, and reloads ready to fire. Accuracy and stopping power above police requirements. Especially designed for quick straight shooting—the first self-aiming pistol.

HARRINGTON & RICHARDSON AUTOMATIC PISTOL

No. 32H—.32 caliber, hammerless, 8 shots, 3½ in. barrel, length over all 6½ in., blued finish, w't 22 oz., each $27.00

Extra Magazines, for No. 32H, 32 cal. ....each $1.70

Use 32 cal. automatic smokeless cartridges.

ONE IN A BOX

Simplicity of construction, strength and reliability of mechanism, coil or spiral springs throughout reduce liability of breakage to a minimum.

Three safety devices are provided, one operated by the thumb of right hand and two are entirely automatic, thus insuring absolute safety in handling and carrying.

When the safety lever is in the down or normal position the word "Safe" is visible and the pistol cannot be discharged. By throwing the lever up with thumb the "Safe" is obscured and the pistol is ready for instant use.

The handle must be firmly grasped, compressing the grip safety, when the trigger is pulled to discharge the arm.

The grip safety positively locks the sear and the firing pin cannot be released until the grip safety is pressed in. It is impossible to fire the pistol by a jar of any kind.

The third safety, operated by the magazine, makes discharge impossible when the magazine is removed from the pistol. In all automatic pistols the hammer or firing pin is cocked after first shot has been fired and three is always a cartridge in the chamber until the last cartridge contained has been shot. In this pistol the possibility of unintentional discharge after removal of magazine is eliminated.

COLT AUTOMATIC PISTOLS

The Action of All Colt Automatic Pistols is Automatic, Except that the Trigger Must Be Pulled to Fire Each Shot, the Cartridges Being Supplied from a Detachable Magazine, Inserted in the Handle of the Pistol; After the Pistol is Charged With a Filled Magazine, One Opening Movement is Made by the Hand, Bringing the First Cartridge into the Chamber; On Pulling the Trigger the Cartridge is Fired, the Empty Shell is Extracted, and a New Cartridge Loaded Into the Chamber, All These Operations Taking Place Automatically Without Any Manipulation of the Arm. This Automatic Operation of the Pistol is Effected By the Recoil of the Moving Parts, and, As a Consequence, the Recoil is So Absorbed in Being Utilized That It has No Disturbing Effect; The First Shot Can Be Discharged More Quickly Than from Any Arm Made, as This Pistol Can be Carried with Perfect Safety While the Hammer is At Full Cock.

POCKET MODEL

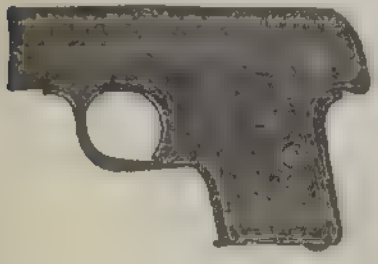
Hammerless

Safety Besides the Safety in the Action, Which Does Not Permit Hammer to be Released Unless Action is Fully Closed, this Arm has Two Additional Operating Safeties.

(1) The Slide Lock Indicates When the Arm is Cocked and, when Engaged in the Slide Cut, Disconnects the Trigger from the Operating Mechanism but Can be Readily Drawn Down by the Thumb When One Desires to Shoot.

(2) An Automatic Safety, also Acting as an Indicator, Locks the Action Until the Handle is Firmly Grasped when Pulling the Trigger.

It Will Thus be Seen that Here are Two Indicators Showing When the Hammer is Cocked; and There are Two Safeties, Either of Which is Absolutely Positive, One of Which is Automatic.



VEST POCKET

Hammerless

Capacity of Magazine 6 Shots; 2 inch Barrel; Slide Lock Safety and Grip Safety; Length Over All 4½ inches; Shoots .25 Automatic Colt Rimless Smokeless Cartridges; Weight 13 ozs.

Each

No. 2252AA—25 Caliber; Full Blued with Case Hardened Trigger; Rubber Handle **$27 20**

No. 2252AP—25 Caliber; Full Blued; Pearl Handle..... **31 70**

No. 252AA—25 Caliber; Full Nickel Plated; Rubber Handle. **27 20**

No. 252AP—25 Caliber; Full Nickel Plated; Pearl Handle.. **31 70**

One in a Box

VEST POCKET

Hammerless

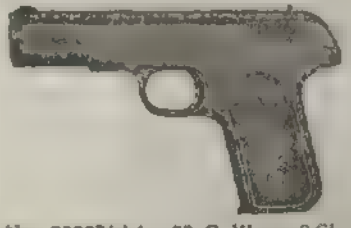
In a Colt Special Case, Constructed on a Wooden Frame Covered with Pulp-Boards and Finished in Black Leatherette with Nickeled Clasp; the Case is Recessed to Receive the Arm and is Lined with Either Blue or Maroon Velveteen.

Each

No. 2252AC—Regular No. 2252AA, 25 Caliber; Weight Each, 22 ..... **$29 00**

One in a Box

IN CALLING YOUR ATTENTION TO OUR SERVICE ON ORDERS ENTRUSTED TO US BY MAIL, WE POINT WITH PARDONABLE PRIDE TO THE FACT THAT WE HAVE BEEN SERVING THE DEALERS OF THE UNITED STATES FOR OVER SEVENTY-FIVE YEARS.



REGULAR POCKET

Hammerless

Three and Three-Quarter inch Barrel; Rubber Handle; Full Blued; Length Over All 6¾ inches; Weight 23 ozs.

Each

No. 2323¾AA—32 Caliber; 8 Shots; Shoots .32 Automatic Colt, Rimless, Smokeless Cartridges..... **$32 70**

No. 2323¾AP—32 Caliber Pearl Handle, Otherwise Same as No. 2323¾AA..... **41 70**

No. 2380¾AA—380 Caliber; 7 Shots; Shoots 380 Automatic Colt, Rimless, Smokeless Cartridges..... **33 50**

One in a Box

REGULAR POCKET

Hammerless

In a Colt Special Case Constructed on a Wooden Frame Covered with Pulp-Board and Finished in Black Leatherette with Nickeled Clasp; the Case is Recessed to Receive the Arm and is Lined with Either Blue or Maroon Velveteen.

Each

No. 2323¾AC—Regular No. 2323¾AA; 32 Caliber; Weight Each, 42 ozs..... **$34.90**

No. 2380¾AC—Regular No. 2380¾AA; 380 Caliber; Weight Each 42 ozs..... **34.90**

One in a Box

REGULAR POCKET

Hammer

Capacity of Magazine, 7 Shots; 4½ inch Barrel, Rubber Handle; Full Blued; Length Over All, 7½ inches; Weight 32 ozs

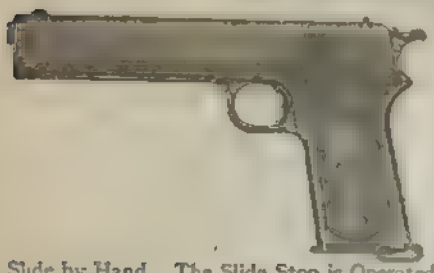
Each

No. 2384½AA—38 Caliber; Shoots .38 Automatic Colt Rimless, Smokeless Cartridges..... **$37.40**

One in a Box

COLT AUTOMATIC PISTOLS

MILITARY MODEL



In This Model the Slides Remain Open after Firing the Last Cartridge. When Reloading the Arm in this Position, Insert the Magazine, then Press Downward the Slide Stop (to the Rear of the Trigger, as Illustrated). The Slide Goes Forward, Inserting a Cartridge without any Movement of the Slide by Hand. The Slide Stop is Operated by the Thumb of the Hand Holding the Pistol.

Capacity of Magazine 8 Shots; 6 inch Barrel Rubber Handle; Weight 38½ ozs.; Length Over All 9 inches; Full Blued.

Each

No. 2386MA—38 Caliber; Shoots 38 Automatic Colt, Rimless Smokeless Cartridges **$39 00**

One in a Box

GOVERNMENT MODEL

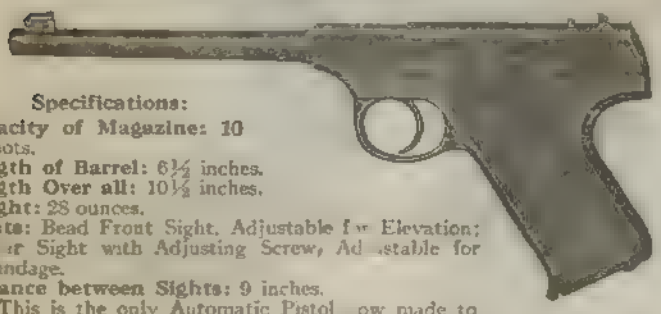
The action of this Pistol is Automatic except that the Trigger must be pulled to fire each Shot; the Cartridges being supplied from a detachable Magazine, inserted in the Handle of the Pistol. On pulling the trigger the Cartridge is fired, the empty Shell is extracted and a new Cartridge Loaded into the Chamber, all these Operations taking place automatically, and the Arm is ready for the Next Shot. The First Shot can be fired more quickly by pressing the Trigger after the Slide has gone forward, while the Hammer is still cocked. Capacity of Magazine 7 Shots. Full Blued Finish, with Checkered Walnut Stocks. Length of Barrel 5 inches. Length over All 8½ inches. Weight 36 ounces.

Each

No. 2455AA—45 Caliber. Shoots 45 U. S. Government, 230 Grain Bullet and 45 Colt Automatic, 200 Grain Bullet; both Rimless and Smokeless Powder, Full Jacketed Bullets. **$58 70**

One in a Box

NEW TARGET MODEL



Specifications:

Capacity of Magazine: 10 Shots.
Length of Barrel: 6¼ inches.
Length Over all: 10½ inches.
Weight: 28 ounces.
Sights: Bead Front Sight, Adjustable for Elevation; Rear Sight with Adjusting Screw, Adjustable for Windage.
Distance between Sights: 9 inches.

This is the only Automatic Pistol now made to handle the Standard Caliber .22 Long Rifle Cartridges and will prove most popular with Shooters, Sportsmen, Target Shots and others desiring a High Grade Pistol adapted for this economical and readily obtained Ammunition.

The Pistol is equipped with Safety Lock which when Arm is Cocked may be locked on Safe, thereby holding Hammer and Sear. The Magazine is provided with a Follower or Pin which projects on the Right Side and enables the operator to compress or relieve the Tension of the Magazine Spring by hand in loading the Magazine, a feature that will be appreciated by those who know the difficulty of handling small Cartridges.

Cartridges .22 Caliber, Rim Fire (Greased Lubricating Bullet. Semi-smokeless Powder. Greased Cartridges are Slightly Longer

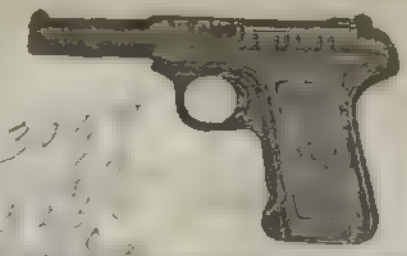
Each

No. 22AA—22 Caliber; Shoots the .22 Long Rifle Cartridge **$52 20**

One in a Box

AUTOMATIC PISTOLS

SAVAGE



The Savage Automatic Makes the Shooting of the Novice Sure and Deadly when in Combat for His Life. It Puts into His Hands Eleven Shots at Once and the Ability to Reload **"10 Shots Quick"** in One Second's Time. The Savage is of the Automatic Type in which the Recoil of Firing the Cartridge Extracts and Ejects the Empty Shell, Cocks the Pistol, Re-loads it in Readiness for the Next Shot. The Trigger Must Be Pulled to Fire Each Shot. **The Savage Possesses Many Points of Superiority Over Other Pocket Arms, Namely: Aims Easy as Pointing Your Finger; Fires Ten Shots Quick; Action Unusually Simple; Entire Arm Can Be Easily and Quickly Taken Completely Apart and Put Together with the Hands; Weighs from Three or Four Ounces Less than Other Automatics; Operation is Always Positive and Can Be Operated with Thumb of Firing Hand. The Only Automatic that Has an Indicator which Tells at All Times Whether Pistol is Loaded.**

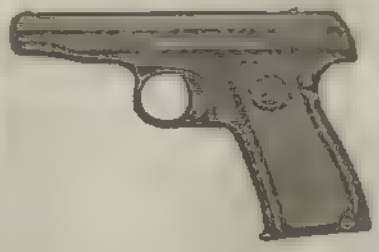
Capacity of Magazines 10 Shots; 4 inch Barrel; Rubber Grips; Weight 19 ozs.; Length Over All 6½ inches; Full Blued.

Each

No. S2324AA—32 Caliber; Shoots .32 Rimless, Smokeless C. F. Cartridges **$30 50**
No. S2380AA—380 Caliber; Shoots (80) Colt Automatic Cartridge **30 50**

One in a Box

REMINGTON-U. M. C.



Self-Aiming and Completely Safe.

.380 Caliber, Uses .380 Standard Metal Cased or Soft Pointed Automatic, Rimless Pistol Cartridges, Capacity of Magazine, Seven Cartridges with an Additional Cartridge in the Chamber Ready to Insert Instantly when Seven Shots are Fired. Hammer Shoots Ejection; Automatic Grip Safety Prevents Firing Unless Handle is Grasped and Trigger Pulled; Permits Carrying Fully Cocked with Entire Safety; Thumb-Operated Safety Lever Adds Safety Also Serves as Indicator; Hand Grip Safety Both Showing Whether or Not Hammer is Cocked; Automatic Safety Sear Lock Prevents Firing if Cartridge is Left in Chamber After Magazine is Removed; Breech Remains Positively Locked Until Bullet has Left Muzzle—Not a Blow-Back Action; Positive Prevention of Shell-Head Blowouts and Breech Escapes of Powder Gas; Each Time Trigger is Pulled, Fires One Shot, Automatically Ejects Empty Shell and Resets Hammer Ready to Fire. Especially Designed for Quick Straight Shooting; Browned Finish (A Durable Dull Black) Hard Rubber Stocks.

Each

No. R380—Length 6⅝ inches; Thickness 9/10 inch; Weight Empty, 21 ozs. **$31 50**

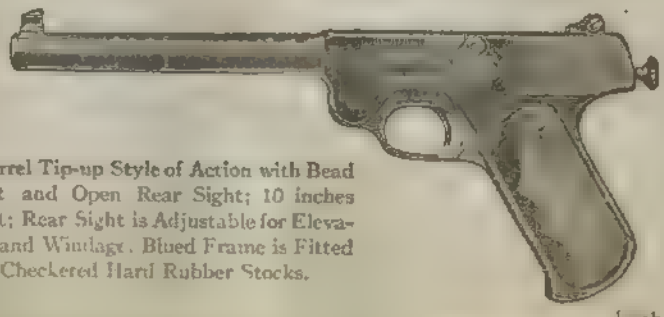
.32 Caliber Uses .32 Standard Metal Case or Soft Point Automatic Rimless, Cartridges; Capacity Seven Cartridges in the Magazine with an Additional Cartridge in the Chamber, Otherwise Made Identically the Same as the .380 Automatic Listed Above.

No. R32—Length 5⅝ inches; Thickness ⅞ inch; Weight Empty, 21 ozs. **$31 50**

Each

One in a Box

STEVENS SINGLE SHOT TARGET PISTOLS



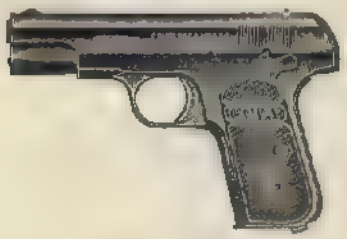
Barrel Tip-up Style of Action with Bead Front and Open Rear Sight; 10 inches Apart; Rear Sight is Adjustable for Elevation and Windage. Blued Frame is Fitted with Checkered Hard Rubber Stocks.

Each

No. 10—32 Caliber Shoots .22 R. F. Cartridge; Length [illegible] inches, Weight 2¼ lbs. **$22 00**

One in a Box

COLT AUTOMATIC PISTOLS



Pocket Model

Hammerless. Full blued finish. Checked walnut stocks. Slide lock safety and grip safety

.25 cal. rimless smokeless cartridges, 6 shots.

.32 cal. rimless, smokeless cartridges, 8 shots

.38 cal. rimless, smokeless cartridges, 7 shots.

Cal.	Barrel	Length	Weight	Each
.25	2 in.	4½ in.	13 oz.	**$17.00**
.32	3¾ in.	6¼ in.	23 oz.	**20.50**
.38	3¾ in.	6¾ in.	23 oz.	**20.50**

Pocket Model

Hammer. Full blued finish, checked walnut stocks Seven shots.

For .38 cal. rimless, smokeless cartridge

Cal.	Barrel	Length	Weight	Each
.38	4½ in.	7½ in.	32 oz.	**$42.25**

Target Model

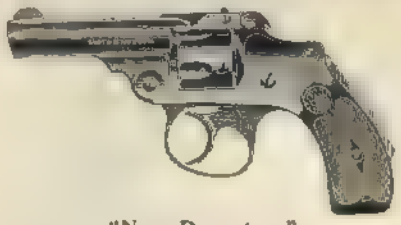
Hammerless. Full blued finish, checked walnut stocks. Slide lock safety. Ten shots

Front sight adjustable for elevation, rear sight has adjusting screw for windage. Nine inches between sights.

For .22 cal. long rifle, rim fire lubricated cartridges only

Cal.	Barrel	Length	Weight	Each
.22	6½ in.	10½ in.	28 oz.	**$32.00**

SMITH AND WESSON REVOLVERS



"New Departure"

Fluted frame, safety hammerless, double action, automatic shell ejector.

Nickel plated or blued finish, black rubber stock. Five shots.

For the following cartridges:

.32 S. & W. and .38 S. & W.

Cal.	Barrel	Length	Weight	Each
.32	3 in.	6¾ in.	14¼ oz.	**$26.75**
.38	3¼ in.	7½ in.	18¼ oz.	**29.00**
.38	4 in.	8¼ in.	18¼ oz.	**29.00**

Regulation Police Model

Solid frame, safety hammer block, double action, automatic shell ejector

Nickel plated or blued finish, checked walnut stocks. Six shots

For the following cartridges

.32 S. & W. and .32 S. & W. long.

.38 S. & W. and .38 S. & W. gallery

Cal.	Barrel	Length	Weight	Each
.32	3¼ in.	7½ in.	18 oz.	**$30.50**
.32	4¼ in.	8½ in.	18½ oz.	**30.50**
.32	6 in.	10¼ in.	19¼ oz.	**30.50**
.38	4 in.	8¼ in.	18 oz.	**30.50**

Military and Police Model

Square butt, solid frame safety hammer block, double action, swing out cylinder. New partridge type sights

Nickel plated or blued finish, checked walnut stock. Six shots

For .38 S. & W. special cartridges.

Cal.	Barrel	Length	Weight	Each
.38	4 in.	9⅛ in.	29¼ oz.	**$32.50**
.38	5 in.	10⅛ in.	30 oz.	**32.50**
.38	6 in.	11⅛ in.	31 oz.	**32.50**

ALBANY HARDWARE & IRON CO.

IVER JOHNSON REVOLVERS

Nickel plated or blued, hard rubber grips

Safety Hammer Automatic

Safety Hammerless Automatic

.22 cal. rim fire, 7 shots, shoots .22 short, long and long rifle cartridges

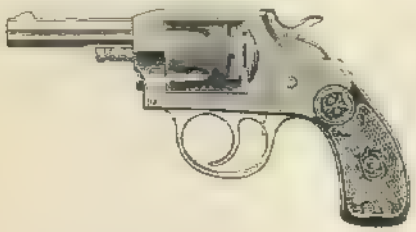
32 cal. center fire, 5 shots, shoots .32 S. & W. cartridges.

.32 cal. special, center fire, built on heavy frame, 6 shots, shoots .32 S. & W., .32 S. & W. long and .32 Col. New Police cartridges

.38 cal. center fire 5 shots, shoots .38 S. & W. cartridges.

Caliber	Barrel	Finish	Weight	Each	Caliber	Barrel	Finish	Weight	Each
.22	3 in.	nickel	13½ ozs.	**$12.00**	.22	3 in.	nickel	13½ ozs.	**$13.00**
.32	3 in.	nickel	14 ozs.	**12.00**	.32	3 in.	nickel	14 ozs.	**13.00**
.32 spec.	3¼ in.	nickel	19½ ozs.	**12.00**	.32 spec.	3¼ in.	nickel	19½ ozs.	**13.00**
.38	3¼ in.	nickel	19 ozs.	**12.00**	.38	3¼ in.	nickel	19 ozs.	**13.00**

MODEL 1900 DOUBLE ACTION



22 cal. shoots .22 short, long and long rifle cartridges, all rim fire, 7 shots.

32 cal. shoots .32 short and long cartridges, all rim fire and 32 S. & W. center fire, 5 shots

.38 cal. shoots 38 S. & W. c.f. cartridges, 5 shots

Caliber	Barrel	Finish	Weight	Each
22 r.f.	2½ in.	nickel	10½ ozs.	**$6.25**
32 r.f.	2½ in.	nickel	12 ozs.	**6.25**
32 c.f.	2½ in.	nickel	12 ozs.	**6.25**
38 c.f.	2½ in.	nickel	17 ozs.	**6.25**

Extras on Iver Johnson Revolvers

Extra	Caliber	Add to Each
Blued finish	any	**No Extra**
2½ in. barrel	any	**No Extra**
4 in. barrel	any	**$0.40**
5 in. barrel	any	**.80**
6 in. barrel	any	**1.20**

Extras on Model 1900 Revolvers

Extra	Caliber	Add to Each
Blued finish	any	**No Extra**
"Perfect" grip	any	**$0.85**
4½ in. barrel	any	**.40**
6 in. barrel	any	**.75**

U. S. REVOLVERS

Hammer

Hammerless

.22 cal. is rim fire, 32 and 38 cal. are center fire

Cal.	Barrel	Finish	Weight	Each
.22	2½ in.	blued, nickel	14 ozs.	**$10.00**
.32	3 in.	blued, nickel	14 ozs.	**10.00**
.38	3¼ in.	blued, nickel	19 ozs.	**10.00**

.32 and .38 caliber are both center fire

Cal.	Barrel	Finish	Weight	Each
.32	3 in.	blued, nickel	14 ozs.	**$11.00**
.38	3¼ in.	blued, nickel	19 ozs.	**11.00**

COLT REVOLVERS

NOTE—Our Stock of Colt Revolvers Comprises All the Best Selling Styles. Any Other Style, Caliber or Finish Made By the Colt Patent Fire Arms Mfg. Co., Which We Do Not Illustrate, We Can Furnish Promptly by Shipping Direct from Factory.

Double Action, Simultaneous Hand Ejecting

OFFICERS MODEL TARGET

Jointless Solid Frame; Swing-Out Cylinder; **Checked Walnut Target Handle;** Hand Finished Action; Guard Strap and Trigger Finely Checked **Front** Sight Adjustable for Elevation, Rear Sight with Adjusting Screw; Adjustable for Windage; Positive Lock.

38 Caliber; 6 Shots; Shoots 38 Long Colt, 38 Colt Special, Also 38 S&W Special, Full and Mid-Range Loads

Blued	Each
No. 2386OT—6 inch Barrel; Entire Length 11¼ inches; Weight 33½ ozs.	$85 20
✣**No. 2387½OT**—7½ inch Barrel; Entire Length 12¾ inches; Weight 35 ozs	65 20

One in a Box

ARMY SPECIAL

NOTE—The Army Special Takes the Place of the Old New Army and New Navy, Possessing All of Their Good Features and Many Improvements.

Jointless Solid Frame; Swing-Out Cylinder Rubber Handle; Positive Lock

32 Caliber
6 Shots; Shoots 32/20 WCF Cartridges

Blued	Each
No. 2324AS—4 inch Barrel; Weight 33 ozs.	$43 00
No. 2325AS—5 inch Barrel; Weight 36 ozs.	48 00
No. 2326AS—6 inch Barrel; Weight 36 ozs.	48 00

38 Caliber
6 Shots; Shoots 38 Short and Long Colt CF Cartridges, 38 Colt Special, Also 38 S&W Special, Full and Mid-Range Loads and U. S. Service Cartridges.

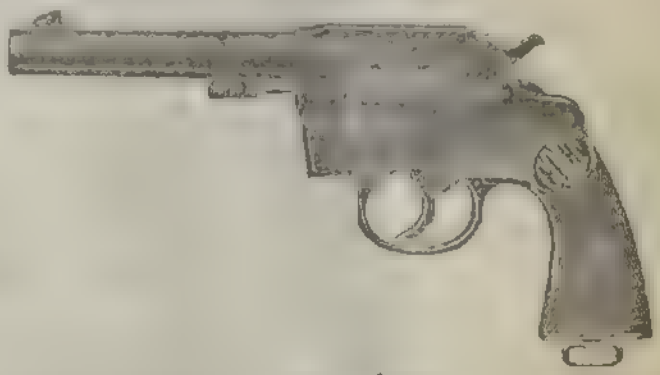
Blued	Each
No. 2384AS—4 inch Barrel; Weight 34 ozs.	$48 00
No. 2385AS—5 inch Barrel; Weight 35 ozs.	48 00
No. 2386AS—6 inch Barrel; Weight 36 ozs.	48 00

41 Caliber
6 Shots; Shoots 41 Short and Long Colt CF Cartridges

Blued	Each
No. 2414AS—4 inch Barrel; Weight 33 ozs.	$48 00
No. 2415AS—5 inch Barrel; Weight 35 ozs.	48 00
No. 2416AS—6 inch Barrel; Weight 36 ozs.	48 00

✣**NEW SERVICE**

Adopted by Military Organizations and Mounted Police; A Most Excellent Weapon for Hunters and Can



Jointless Solid Frame; Swing-Out Cylinder, Rubber Handle with Swivel Ring; Positive Lock.

6 Shots; Blued

✣**38 Caliber;** Shoots 38/40 WCF Cartridges

	Each
✣ **No. 2384½S**—4½ inch Barrel; Weight 39 ozs.	$54 40
✣ **No. 2385½S**—5½ inch Barrel; Weight 40 ozs.	54 40
✣ **No. 2387½S**—7½ inch Barrel; Weight 43 ozs.	54 40

✣**44 Caliber;** Shoots 44/40 WCF Cartridges

	Each
✣ **No. 2444½S**—4½ inch Barrel; Weight 39 ozs.	$54 40
✣ **No. 2445½S**—5½ inch Barrel; Weight 40 ozs.	54 40
✣ **No. 2447½S**—7½ inch Barrel; Weight 43 ozs.	54 40

✣**45 Caliber;** Shoots 45 Colt CF Cartridges, Full, Medium or Gallery Loads

	Each
✣ **No. 2454½S**—4½ inch Barrel; Weight 39 ozs	$54 40
✣ **No. 2455½S**—5½ inch Barrel; Weight 40 ozs.	54 40
✣ **No. 2457½S**—7½ inch Barrel; Weight 43 ozs.	54 40

✣ **Can Also be Furnished From the Factory Chambered to Take 44 S&W Russian, Full, Mid-Range or Gallery Loads Also for English Cartridges .450 and .455 Caliber (Eleys).**

One in a Box

Items Marked ✣ Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory, Hartford, Conn.

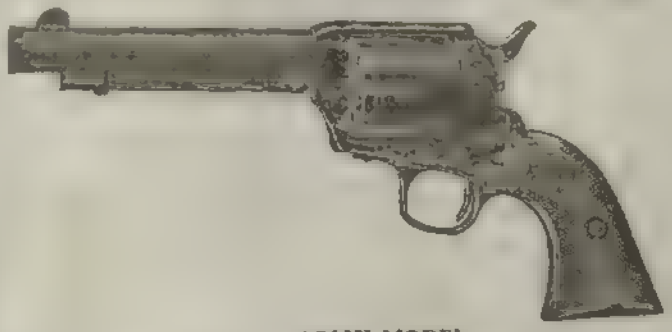
COLT REVOLVERS

NOTE—Our Stock of Colt Revolvers Comprises all the Best Selling Styles; Any Other Style, Caliber or Finish Made by the Colt Patent Fire Arms Manufacturing Co., Which We Do Not Illustrate, We Can Furnish Promptly by Shipping Direct from Factory

SINGLE ACTION

These Revolvers Should be Carried with the Hammer Resting in the Safety Notch

NOTE—This Revolver is the Single Action Army Improved, Having a Longer Handle and Firmer Grip; the Design of Hammer, Trigger and Lock Work Have Been so Changed as to Produce a Lighter and Smoother Action. All of These Points Have Been Introduced Without Sacrificing the Accuracy, Simplicity and Durability of the Popular Single Action Army.



ARMY MODEL

Solid Frame; Rod Ejection; Rubber Handle; 6 Shots; Blued Revolvers in These Styles Have Case Hardened Finish Frames

32 Caliber, Shoots 32 20 WCF Cartridges

Nickel Plated

	Each
✣ No. 3241/4SA—4¼ inch Barrel; Weight 42 ozs.	$54.40
✣ No. 3251/2SA—5½ inch Barrel; Weight 43 ozs.	54 40
✣ No. 3271/2SA—7½ inch Barrel; Weight 45 ozs.	54 40

Blued

	Each
No. 2324¼SA—4¼ inch Barrel; Weight 42 ozs.	$54 40
No. 2325½SA—5½ inch Barrel, Weight 43 ozs.	54 40
No. 2327½SA—7½ inch Barrel; Weight 45 ozs.	54 40

38 Caliber; Shoots 38 40 WCF Cartridges

Nickel Plated

	Each
✣ No. 3841/4SA—4¼ inch Barrel; Weight 42 ozs.	$54 40
✣ No. 3851/2SA—5½ inch Barrel; Weight 43 ozs.	54 40
✣ No. 3871/2SA—7½ inch Barrel; Weight 45 ozs.	54 40

Blued

	Each
No. 2384¼SA—4¼ inch Barrel; Weight 42 ozs.	$54 40
No. 2385½SA—5½ inch Barrel; Weight 43 ozs.	54 40
No. 2387½SA—7½ inch Barrel; Weight 45 ozs.	

44 Caliber; Shoots 44 40 WCF Cartridges

Blued

	Each
No. 2444¼SA—4¼ inch Barrel; Weight 36 ozs.	$54.40
No. 2445½SA—5½ inch Barrel; Weight 38 ozs.	54.40
✣ No. 2447½SA—7½ inch Barrel; Weight 40 ozs.	54.40

45 Caliber; Shoots 45 Colt CF Cartridges; Full, Medium or Gallery Loads

Blued

	Each
No. 2454¼SA—4¼ inch Barrel; Weight 35 ozs.	$54 40
No. 2455½SA—5½ inch Barrel; Weight 36 ozs.	54 40
✣ No. 2457½SA—7½ inch Barrel; Weight 38 ozs.	54 40

One in a Box

Items Marked ✣ Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory, Hartford, Conn.

COLT REVOLVERS

POCKET POSITIVE, double action, jointless frame, simultaneous ejection, positive lock, center fire, rubber stock.

Use 32 Colt Police Positive, also 32 S. & W. short and long cartridges only.

32 CALIBER, 6 SHOTS

BLUED.

No. 7232B—2½ in. barrel, w't 15 ozs. .... .. each $43.20
No. 7332B—3½ in. barrel, w't 16 ozs. .....each $43.20

NICKEL PLATED.

No. 7332—3½ in. barrel, w't 16 ozs. .....each $43.20

ONE IN A BOX

POLICE POSITIVE SPECIAL, jointless frame, simultaneous ejection, positive lock, center fire, rubber stock, double action.

For 38 cal. revolvers use 38 cal. long or short Colt's or 38 S. & W. special, full, mid range and gallery load cartridges. 32-20 cal. revolvers are adapted for 32-20 or 32 W. C. F. Winchester rifle cartridges.

32-20 CALIBER, 6 SHOTS

BLUED.

No. 7432WB—4 in. barrel, w't 22 ozs. .....each $45.70
No. 7532WB—5 in. barrel, w't 23 ozs. .. ... each $45.70
No. 7632WB—6 in. barrel, w't 24 ozs. .. ..each $45.70

38 CALIBER, 6 SHOTS

NICKEL PLATED.

No. 7238S—4 in. barrel, w't 22 ozs. .. .. .each $45.70
No. 7138S—5 in. barrel, w't 22 ozs. . . .each $45.70

BLUED.

No. 7238SB—4 in. barrel, w't 22 ozs. . .. .. each $45.70
No. 7138SB—5 in. barrel, w't 22 ozs . .each $45.70
No. 7338SB—6 in. barrel, w't 23 ozs. . .each $45.70

ONE IN A BOX

COLT REVOLVERS

POLICE POSITIVE TARGET, jointless, solid frame, swing-out cylinder, simultaneous ejection, positive lock, rubber stock, double action, fitted with target sights.

No. 7932BT uses 32 Colt Positive, also 32 S. & W. short and long cartridges only.

22 W. R. F. CALIBER, 6 SHOTS

BLUED.

No. 7822BT—6 in. barrel, block rear sight adjustable for windage, removable bead front sight, blade fastened by screw, w't 22 ozs. .....each $48.00

22 CALIBER, 6 SHOTS

BLUED.

No. 7922SBT—6 in. barrels, **rim fire, short, long and long rifle,** block rear sight, adjustable for windage, removable bead front sight, blade fastened by screw, w't 22 ozs. .....each $48.00

32 CALIBER, 6 SHOTS

BLUED.

No. 7932BT—6 in. barrel, w't 19 ozs. .....each $48.00

ONE IN A BOX

POLICE POSITIVE, double action, jointless frame, simultaneous ejection, positive lock, center fire, rubber stock.

For 38 Colt's Police Positive and 38 S. & W. cartridges only.

32 CALIBER, 6 SHOTS

BLUED.

No. 7832BP—4 in. barrel, w't 18 ozs. .....each $43.50
No. 7732BP—5 in. barrel, w't 20 ozs. .....each $43.50
No. 7932BP—6 in. barrel, w't 22 ozs. .....each $43.50

For 32 Colt's Police Positive and 32 S. & W. cartridges only.

38 CALIBER, 6 SHOTS

NICKEL PLATED.

No. 7238—4 in. barrel, w't 20 ozs. .....each $43.50

BLUED.

No. 7238B—4 in. barrel, w't 20 ozs. . ...each $43.50
No. 7138B—5 in. barrel, w't 22 ozs. .... .each $43.50
No. 7338B—6 in. barrel, w't 24 ozs. .....each $43.50

ONE IN A BOX

COLT REVOLVERS

ARMY SPECIAL, jointless frame, simultaneous ejection, positive lock, center fire, rubber stock, double action.

Use 32-20 or 32 W. C. F. Winchester, 38 S. & W. Special, 38 long and short Colt and 41 long and short Colt cartridges.

The Army Special is a heavier model than the Police Special.

32-20 CALIBER, 6 SHOTS

BLUED.

No. 7532SB—4 in. barrel, w't 34 ozs. .....each $48.00
No. 7632SB—5 in. barrel, w't 36 ozs. ... ...each $48 00
No. 7832SB—6 in. barrel, w't 37 ozs. . ....each $48 00

38 CALIBER, 6 SHOTS

NICKEL PLATED.

No. 7538S—4 in. barrel, w't 32 ozs. .....each $48.00

BLUED.

No. 7538SB—4 in. barrel, w't 33 ozs. .....each $48.00
No. 7638SB—5 in. barrel, w't 34 ozs. .....each $48.00
No. 7738SB—6 in. barrel, w't 35 ozs. .....each $48.00

41 CALIBER, 6 SHOTS

BLUED.

No. 7441SB—5 in. barrel, w't 31 ozs. .....each $48.00

ONE IN A BOX

NEW OFFICERS model, double action, center fire, checkered walnut stock.

Use 38 long Colt and 38 S. & W. Special Full, Mid Range and Gallery Load cartridges.

38 CALIBER, 6 SHOTS

BLUED.

No. 7638BT—5 in. barrel, w't 34 ozs. .....each $65.20
No. 7738BT—6 in. barrel, w't 34 oz. ... each $65 20
No. 7938BT—7½ in. barrel, w't 35 ozs. .....each $65.20

ONE IN A BOX

COLT REVOLVERS

NEW SERVICE, double action, jointless frame, simultaneous ejection, positive lock, center fire, rubber stock.

Use 38-40 or 38 W. C. F., 44-40 or 44 W. C. F. and 45 Colt's cartridges.

38-40 CALIBER, 6 SHOTS

BLUED.

No. 7638B—5½ in. barrel, w't 42 ozs. .....each $54.40
No. 7838B—7½ in. barrel, w't 45 ozs. .....each $54.40

44-40 CALIBER, 6 SHOTS

BLUED.

No. 7744B—7½ in. barrel, w't 45 ozs. .....each $54.40

45 CALIBER, 6 SHOTS

BLUED.

No. 7545B—5½ in. barrel, w't 42 ozs. ... ...each $54.40
No. 7745B—7½ in. barrel, w't 42 ozs. .....each $54.40

ONE IN A BOX

SINGLE ACTION ARMY, or frontier, center fire, rubber stock.

Use 32-20 or 32 W. C. F. and 45 Colt cartridges.

32 CALIBER, 6 SHOTS

BLUED.

No. 8132S—4¾ in. barrel, w't 40 ozs. . ... ..each $54.40
No. 8132M—5½ in. barrel, w't 42 ozs. .. ..each $54.40
No. 8132L—7½ in. barrel, w't 42 ozs. ... ...each $54.40

45 CALIBER, 6 SHOTS

BLUED.

No. 8145S—4¾ in. barrel, w't 36 ozs. .. ....each $54.40
No. 8145M—5½ in. barrel, w't 37 ozs. .... ..each $54.40

ONE IN A BOX

CAMPERS GAS LAMPS

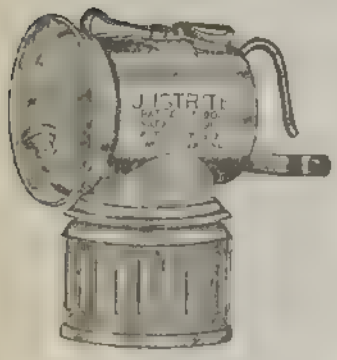
JUSTRITE
Small Size—HAND

Drawn Brass; Nickel Plated and Highly Polished; 2½ inch Nickel Plated Reflector with Sparker Attachment; Equipped with Folding Handles and Hook; Also No. 76 Pocket Carbide Can and Extra Repair Parts; Height 3⅛ inches; Diameter 2 inches; Burns 3 Hours with One Filling.

Per Dozen

No. 100—Weight per Dozen, 5 lbs.... **$33 00**

Twelfth Dozen in a Box



JUSTRITE
New Lever Feed; Produces a Light of 16.7 Candle Power; New "Matchless" Lighter Attachment; Invariably Perfect Material and Workmanship.

The Wire Feed is So Constructed That the Supply of Water Can be Increased or Decreased as Desired. It is One of the Original Justrite Water Feeds and Will Give the Miner Very Satisfactory Service. Will Burn 2½ Hours on One Charge (2 oz. Carbide.) Extra Carbide Container with Each Lamp.

Per Dozen

No. 57—Polished, Drawn Brass Lamp; Equipped with Patent Lighter Reflector 2¼ inches in Diameter; Permanently Attached to Lamp; Height of Lamp Over All, 3¾ inches; Diameter 2 inches; Weight per Dozen, About 6 lbs. **$24 20**

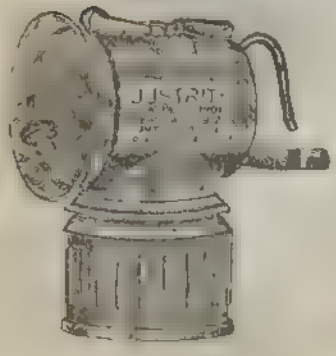
One Dozen in a Carton

No. 407—Same as No. 57 but Without Extra Container; Weight per Dozen, About 4½ lbs..... **20.00**

One Dozen in a Carton

No. 407C—Extra Containers for No. 407 Lamp; Weight per Dozen, About ½ lb..... **1 20**

One Dozen in a Carton



JUSTRITE
Polygon Feed Lamps

The Polygon Feed is a Dependable Regulating Valve Which Can be Adjusted to Permit a Free Flow of Water; The Square Construction at the Base of the Valve Stem "Lips the Carbide" and Makes the Flame Respond Quickly to Regulation. Has a 2¼ inch Concaved Reflector.

Per Dozen

No. 707—Polished Brass Lamp; Weight per Dozen, 6 lbs..... **$20 00**

Twelfth Dozen in a Box

CAMPERS GAS LAMPS

VICTOR
Polygon Feed

Miners Preferring a Vertical Shape Lamp with Detachable Reflector, Will Find the Victor Lamp Fulfilling All Requirements, Workmanship of the Highest Caliber and Strongly Constructed.

Per Dozen

No. 661—Lamp Polished Brass; 2⅝ inch Reflector; Weight per Dozen, 6 lbs..... **$20 00**

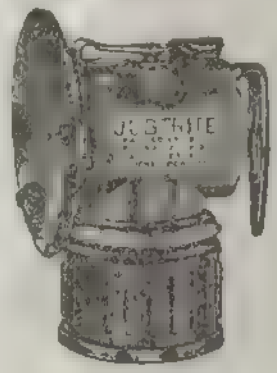
No. 676NR—Lamp Brass Body; 3 inch Nickel Plated Reflector; Flat Hook; This Lamp is Principally Used in Lead Mines; Weight per Dozen, 6 lbs..... **23.10**

No. 662—Lamp Same as No. 661 Except 2 inch Reflector Used for Mining Low Seam Coal; Weight per Dozen, 6 lbs..... **19.20**

Twelfth Dozen in a Box

JUSTRITE
With Matchless Lighting Attachment

Especially Intended for Use by Sportsmen for Camping, Although They Will Also be Found Suitable for Superintendents, Engineers, Surveyors, Mine Inspectors, Etc.



Equipped with 3 inch Saucer Shape Reflector; Nickel Plated; Used Principally in Lead Mines; This Lamp is Equipped with a Flat Hook.

Per Dozen

No. 769—Nickel Plated Lamp, Weight per Dozen, 6 lbs.... **$24 20**

Twelfth Dozen in a Box

FISHERMEN AND HUNTERS LAMPS

These Lamps are Especially Adapted to the Use of Hunters and Fishermen. The Reflectors Throw a Very Strong Light that Penetrates to a Great Distance Making Them Invaluable for Coon and Deer Hunting and for Night Fishing and Spearing; Also Suitable for Use in Camps, Stables, Etc. They Use Ordinary Kerosene Oil; are Adjustable to Any Size Head and are Light and Confortable to Carry.

STAR

All Bright Tin; Concave Semi-Circular Reflector; Two Removable Round Tube Tin Burners, Using Cotton Rope Wicking. Size, 7¾ inches Wide; 7¼ inches High.

Per Dozen

No. 81—Weight per Dozen, 7 lbs.. ..... **$17.00**

One Dozen in a Carton

FROG SPEARS

Steel Tines, Locked in Frame with a Steel Wedge; Malleable Iron Frame and Socket, Japanned.

Per Dozen

No. 3—Five Tines; Length of Tines, 4 inches; Width of Tines, 3¾ inches; Length Over All, 7½ inches; Weight per Dozen, 3⅝ lbs **$12 00**
One Dozen in a Box

Steel Tines, Leaded Into Socket; Rolled Steel, Japanned Socket; Tin Tine Guard.

Per Dozen

No. 7—Three Tines; Length of Tines 2¼ inches; Width of Tines, 1⅞ inches; Length Over All [illegible] inches; Weight per Dozen 2 lbs. **$3 30**
One Dozen in a Box

No. 8—Four Tines; Length of Tines 2¾ inches; Width of Tines, 2¾ inches; Length Over All, 5⅝ inches, Weight per Dozen, 2½ lbs. **4 00**
One Dozen in a Box

FISH SCALERS

A Simple and Convenient Article for Scaling Fish. Will Take the Scales Off Rapidly and Effectively without Lacerating the Flesh.

Per Dozen

No. R—Made of One Piece Stamped Steel; Aluminum Finish; Round Saw Tooth Blade 1¾ inches in Diameter; Length Over All, 6¾ inches; Weight per Dozen, ¾ lb. **$1 00**
One Dozen in a Box

Cast Iron Japanned; Length Over All, 6 inches.

Per Dozen

No. B—Weight per Dozen, 4½ lbs **$2 70**
One Dozen in a Box

GAFF HOOKS

Closed

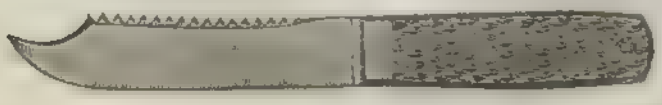
Open

No. 2 Lion Gaff Hook. The Center Acts as a Stop in Opening and Closing the Gaff; Also as a Trigger for Springing the Gaff, and by Coming in Contact with the Fish or Frog Closes the Jaws Automatically and with Lightning Rapidity. Will Not Cut or Abuse the Fish or Frog; Provided with a Swivel [illegible] Handle Contains Two Extra [illegible] inches Between the Point of the Jaws When Opened; Suitable for Smaller Fish or Frogs.

Per Dozen

No. L2—Weight per Dozen, 8 lbs **$27 00**
Half Dozen in a Box

FISHERMEN'S KNIVES



Per Dozen

No. 9—Checkered Cocobolo Handle; Full Scale Tang; Polished Steel Lapped Bolster; Fine Grade American Steel Blade; Length, 4¾ inches; Glazed; Saw Back for Scaling and Concaved Sharp Ground Back at Point for Ripping; Handle Has Hole in End for Spring; Without Sheath; Weight per Dozen 2½ lbs. **$9 00**
Half Dozen in a Box

CAMP GRIDS

An Ideal Grid, for Use with Wood Fuel and for Permanent Camp Purposes. Made of Best Steel Wire Reinforced with a Flat Steel Bar, Making Rigid and Preventing the Cross Wires Being Warped by Heat. All Joints Electrically Welded. Legs Fold Out of the Way so that the Grid Can be Placed in a Small Space.

Per Dozen

No. 3G—All Steel Aluminum Finish; Size, 10x14 inches; Legs, 12 inches Long; Weight per Dozen, 24 lbs. **$12 00**

No. 4G—All Steel Aluminum Finish; Size, 13x21½ inches; Legs, 13 inches Long, Weight per Dozen, 42 lbs. **18 00**
Loose

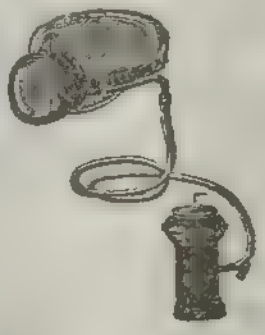
CAMPERS GAS LAMPS

BRILLIANT SEARCHLIGHT

A New Departure in Acetylene Lamps. Throws a Powerful White Light, Invaluable for Hunters, Fishermen, Miners, Etc.

Per Dozen

No. B5—Generator Capacity 4 ozs. Carbide, Which Will Burn 8 to 10 Hours. Empty Brass Shell Measures 1¾ inches in Diameter; 3 inches Deep; Made of Steel and Sheet Brass; Reflector 3½ inches in Diameter; Made of Brass, Full Shaped, Nickel Plated and Highly Polished; Convex Lenses, Detachable Hinged Bulls-Eye and Darkening Door; Candle or Pencil Flame Burner, 45 inch Non-kink Gas Hose, Slip-on Type; Weight per Dozen, 25 lbs. **$210 00**
One in a Box



COLUMBIA
Jack Lamp and Generator

For Hunters, Fishermen, Miners and Sportsmen. Throws a Powerful White Light; Invaluable for Hunting Coon, Possum and Other Nocturnal Animals.

Generator 5½ inches Long; 2 inches in Diameter; Weight 16 ozs.; (Carbide Capacity Enough to Run the Lamp 5½ Hours. Made of Brass Gun Metal Finish; Attached Onto Any Width Cartridge Belt up to 2 inches; Headlight Weight 6 ounces; Powerful Parabolic Reflector Diameter Face 2¾ inches; Straps to Front on Hat; Is Connected to Generator by Rubber Tubing.

Per Dozen

No. C3—Weight per Dozen, 25 lbs. **$150 00**
Twelfth Dozen in a Box

JUSTRITE
For Acetylene Gas—Carbide and Water

Gives a Penetrating Light, Protected by a Strong Lens. Will Not Blow Out. [illegible] Attachment. Matches Not Required.

Burns 10 Hours on One Charge 8 oz. ¼ inch Carbide. Generator Weighs 1½ lbs. Headlight Weighs 5 ounces.

Strong, Durable, Compact.

An Ideal Lamp for Hunting, Motor Boating and Driving.

An Ideal Farm Light for the Early Mornings Chores and Milking.

Per Dozen

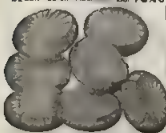
No. 44—Without Cap; Generator Made of Pressed Steel; Head Lamp of Brass, Nickel Plated; Complete with Generator, Rubber Hose, Canvas Belt and Head Lamp; Weight Each, 2 lbs. **$144 00**
One in a Box

FRESH BULK CANDIES

Carried in stock in our Chicago house, but in and out every day. Order in any quantity

HARD CANDIES AND CREAMS

Grocers Mixed—Fresh goods and pure work in a variety of pieces. 50 to lb.
2Y608—25 lb case..... Lb. 10¢



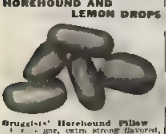
"Starlight" Kisses — Flat round cuts with red stripes, mint flavor. 60 to lb.
2Y372—30 lb. pail Lb. 17½c.

Butterscups—Satin finished coating, filled cocoa, assrd. flavors. 120 to lb.
2Y373—30 lb. pail.. Lb. 17c

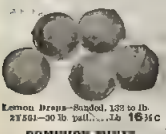
JUMBO CORN

2Y786—Butter cream style, extra fancy, shelled corn, large kernels. 260 to lb. 30 lb. pail. Lb. 17½

HOREHOUND AND LEMON DROPS

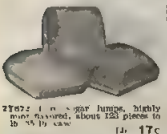


Druggists' Horehound Pillow—Extra large, extra strong flavored, fancy sanded, guaranteed not to stick. 160 pcs. to lb.
2Y604—5 lbs in case Lb. 16½c



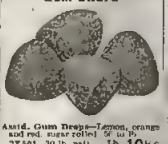
Lemon Drops—Sanded, 133 to lb.
2Y561—30 lb. pail.....Lb. 16½c

DOMINION MINTS



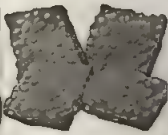
2Y572—Extra sugar lumps, highly mint flavored, about 125 pieces to lb. 25 lb. case
Lb. 17c

GUM DROPS

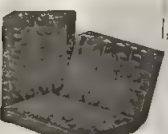


Assrd. Gum Drops—Lemon, orange and red, sugar rolled. 50 to lb.
2Y381 30 lb pail Lb 10½c

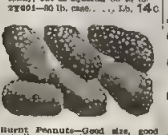
PEANUT CANDIES



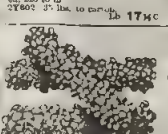
Peanut Brittle — Old fashioned brittle candy, containing fresh roasted Spanish peanuts.
2Y699—30 lb case..... Lb. 13c



Peanut Squares — Fresh roasted Spanish peanuts in hard, crisp candy, cut in squares. 50 to lb.
2Y691—30 lb. case.. .., Lb. 14c



Burnt Peanuts—Good size, good quality peanuts, burnt sugar covered. 220 to lb
2Y602 25 lbs. to carton Lb. 17½c

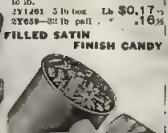


PEPPERMINT AND WINTERGREEN LOZENGES

Peppermint Lozenges—Pure sugar, strong peppermint flavor, 105 to lb
2Y1206—5 lb box Lb $0.17
2Y1636—25 lb pail .16

Wintergreen Lozenges—Pure sugar, highly wintergreen flavored, 105 to lb.
2Y1201 5 lb box Lb $0.17½
2Y659—25 lb pail .16½

FILLED SATIN FINISH CANDY



25 LB. TIN

2Y708 Fruits, nuts chocolate cream, mint cream, etc., satin finish, assrd. shapes, pillows, waffles, buttercups, bonbons, etc 25 lbs. in tin Lb 22c

5 LB. TINS

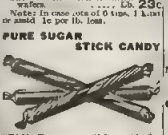
2Y1164—Fruit filled pillows. Lb 23c
2Y1163 — Assrd. fruits, nut and cream Lb 23c
2Y1165 —Cream mint filled wafers. Lb 23c
2Y1166—Fruit filled wafers. Lb 23c
2Y1187—Cocoanut filled bon-bon-cups. Lb 23c
2Y1168—Nut cream filled wafers Lb 23c

Note: In case lots of 5 tins, 1 kind or assrd 125 per lb. tins.

PURE SUGAR STICK CANDY

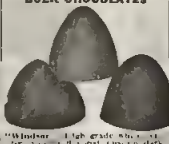
2Y661—Pure sugar stick, assrd. flavors wrapped, over 90 sticks to lb. 100 sticks in box. 6 boxes (600 sticks) in case. Case $3.95

PURE ROCK CANDY

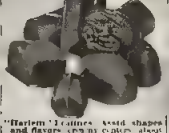


Crystal rock candy, pail string, absolutely pure sugar crystal 5 lbs. in box.
2Y1631—White Lb 28c
2Y1632—Assrd white red and amber colors Lb 29c

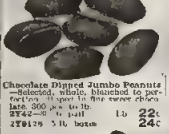
BULK CHOCOLATES



"Windsor" High grade thick cut for assrd. fine cut, rough dark sweet coating, all to lb
2Y159 30 lb pail Lb 18c



"Harlem" Delites Assrd shapes and flavors, creamy centers about 40 pcs to lb.
2Y605—30 lb pail Lb 17



Chocolate Dipped Jumbo Peanuts—Selected, whole, blanched to perfection, dipped in fine sweet chocolate. 300 pcs to lb.
2Y42—5 lb pail Lb 22c
2Y1278 5 lb boxes 24c

Molasses Chips—Honey combed heavy coated chocolate covered, packed in paper pockets.
2Y637—30 lb pail....Lb. 27c

CANDY BROS. ASSORTED FRUIT TABLETS

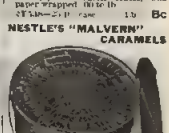
Assorted fruit flavored tablets.
2Y1274 4 lb glass jar Jar $1.65
2Y1031 4 lb tin Tin 1.75

WRAPPED KISSES

Molasses Kisses—Chewing kisses, wax paper wrapped. 60 to lb
2Y110 25 lb case Lb 7½c

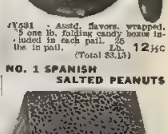
Peanut Butter Kisses—Molasses kisses, peanut butter center, wax paper wrapped. 60 to lb
2Y15—25 lb case Lb 8c

NESTLE'S "MALVERN" CARAMELS



2Y681 — Assrd. flavors, wrapped, 5 one lb. folding candy boxes included in each pail. 25 lbs in the pail. Lb. 12½c
(Total 25 lb)

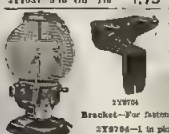
NO. 1 SPANISH SALTED PEANUTS



Unblanched No. 1 Spanish peanuts, selected medium size, well salted, fresh and crisp
2Y624—30 lbs. in case, Lb. 15½c
2Y1699—10 lbs. in box. Lb 16½c

PLANTERS' "PENNANT" BRAND SALTED PEANUTS

2Y1755 Planters "Pennant" Brand Salted Peanuts. Jar not to exceed 10 inches high and 5½ inches in diameter, with wood handle and metal carrying rattle.
Jar $5.00



"COLUMBIA" PEANUT VENDER AND BRACKET

Vender—Model A, gray iron case, dark red enamel, aluminum mechanism, rustproof and noiseless, adjustable from 3 to 7d operations, easy to satisfied.
2Y3703—1 in case. Each. $8.00

2Y3704

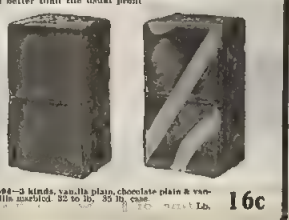
Bracket—For fastening 2Y3703 to wall or building.
2Y3704—1 in pkg..... Each. 95c

"OLD DOMINION" PEANUTS

2Y1709—Jumbo peanuts, blanched and salted, like almonds. 10 lbs. in friction top tins.
Lb. 24c

"Atlas" Fudge

The staple for every candy department. Our prices gives you better than the usual profit



2Y504—3 kinds, vanilla plain, chocolate plain & vanilla marbled. 32 to lb. 35 lb. case
Lb. 16c

BAR & PACKAGE CANDIES

KLEIN'S CHOCOLATE BARS

Lunch Bar—Pure sweet milk chocolate and high grade roasted peanuts, parchment wrapped and Lilho banded
2Y1961—24 in box..... Box, **65c**

BORDEN'S CHOCOLATE BARS

Plain Sweet Milk Chocolate—Sealed bar.
2Y1683—Small size. 24 in box. Box, **33c**

Almond Bar—Standard size, sweet milk chocolate whole almonds each bar wrapped and sealed
2Y1645—24 in box.....Box, **33c**

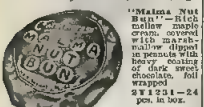
"HERSHEY'S" CHOCOLATE BARS

Milk Chocolate Bar—Plain, foil wrapped.
2Y1797—(Mfrs. No 18). 5c size. 24 in box Box, **85c**
2Y1786—(Mfrs. No. 19). 10c size. 12 in box. Box, **85c**

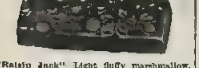
Almond Bar Milk chocolate with roasted almonds foil wrapped
2Y1796—(Mfrs. No 20). 10c size 12 in box..... Box, **85c**
2Y1800—(Mfrs. No. 67). 5c size. 24 in box..... Box, **85c**

CAROTHERS' BAR CANDIES

"Caravan"—Rich vanilla whipped cream center, dipped in peanuts with heavy coating of milk chocolate, glassine wrapped
2Y1232—24 pcs. in box . . Box, **83c**

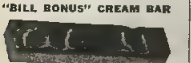


"Mama Nut Bun"—Rich mellow maple cream, covered with marshmallow dipped in peanuts with heavy coating of dark sweet chocolate, foil wrapped
2Y1234—24 pcs. in box. Box, **83c**



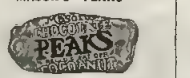
"Raisin Jack"—Light fluffy marshmallow, cherry flavor, dipped in raisins heavily coated with dark chocolate, unwrapped.
2Y1232—24 pcs. in box .....Box, **83c**

"BILL BONUS" CREAM BAR



2Y1859—3½ oz. Italian cream bar, unwrapped, assd chocolate and vanilla flavors. 24 pcs. in counter display box. Box, **85c**

MASON'S "PEAKS"



"Peaks"—Strictly fresh cut cocoanut coated with a heavy natural liquor chocolate coating
2Y1623—24 in box Box, **85c**

REDEL'S CANDY BARS

Large Lunch 2¼ oz. marshmallow covered with cherry flavored cream, all over covered with fresh shredded cocoanut, candy cherry in center of each cake each wrapped in transparent tissue
2Y1815—24 pcs. in box.....Box, **83c**

Crisp Spanish Peanut Bar—Full 2 oz., strictly No. 1 Spanish peanuts, fresh and crisp, each bar in printed transparent wrapper
2Y1513—24 pcs. in box ... Box, **83c**

Sweet Patootie 2 oz. patty cake, maple cream and marshmallow layers topped with peanuts all over covered with light milk chocolate fancy foil wrapped
2Y1514—24 pcs. in box . . .Box, **83c**

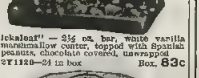
Cherry Bar—1¼ oz., whole red cherries in extra fine soft cream, vanilla flavored, heavily coated with light colored chocolate each bar wax paper wrapped
2Y1778—24 in box . . . . .Box, **83c**

BUNTE'S TANGOS BAR

2Y1481—Maple cream bottom, marshmallow center covered with peanuts chocolate dipped, foil wrapped 24 in box. Box, **85c**

CURTISS' CANDY BARS

"Baby Ruth"—The 5c Hit. 1 4 oz. open cream center rolled in strips of all roasted No. 1 Spanish peanuts, coated with milk blend coating
2Y1115—24 in box Box **83c**



"Nickelodeon"—2½ oz. bar, white vanilla marshmallow center, topped with Spanish peanuts, chocolate covered, unwrapped
2Y1120—24 in box Box, **83c**

"Kandy Kake"—Chocolate pudding center topped with crisp roasted peanuts, chocolate covered, foil wrapped
2Y1116—5c size, 1¾ oz. 24 in box Box **83c**

"Peanutette"—Nougat center rolled in cream, caramel coated with chopped pecans and one whole pecan on top.
2Y1126—2¾ in box.....Box, **85c**

"KARMULNUT" BAR

2Y1129—4½ oz. bar butter cream center in butterscotch chewing caramel, well covered with A No 1 Spanish peanuts, all over covered with high grade sweet chocolate. Each bar double wrapped in foil 24 in box Box **$1.45**

"OH HENRY" MILK NUT BAR

2Y1124—4 oz. bar, Auntie May's pudding center rolled in maple chewing caramel and peanuts, covered with milk chocolate coating, each bar wrapped in glassine. 24 in box. Box, **$1,55**

PURE SUGAR STICK CANDY

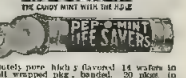
2Y1291—Big stick, 2¼ oz., high grade sugar stick assd flavors wrapped 24 in box Box, **83c**

"RAINBOW" WAFERS

The popular sugar wafers that sell for a nickel.

2½ oz. roll pure sugar wafers, assd flavors and colors. 2 color wax wrapping. 12 rolls in counter display box. 24 rolls in carton. 1 United Profit Sharing Coupon in each roll. 1 certificate in each carton Carton, Out

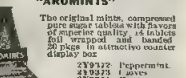
LIFE SAVERS



Absolutely pure high flavored 14 wafers in foil wrapped pkg., banded. 20 pkgs. in display box
2Y1906—Peppermint. "Pep-O-Mint."
2Y1907—Wintergreen. "Wint-O-Green."
Box, **62c**

"AROMINTS"

The original mints, compressed pure sugar tablets with flavors of superior quality. 16 tablets foil wrapped and banded. 20 pkgs. in attractive counter display box



2Y9372—Peppermint.
2Y9371—Clove.
2Y9374—Wintergreen.
2Y9375—Cinnamon
2Y9376—Licorice.
2Y9377—Lemon
2Y9378—Anise
Box, **50c**

In 10 box lots, any kind or assd flor **48c**

"NECCO" WAFER ROLL

2Y1478—3 oz. roll, pure sugar wafers. 5 flavors and colors assorted, glassine wrapped 24 rolls in box. Box, **85c**

COLLINS' HONEY SCOTCH

2Y9214—Delicious butterscotch chewing candy. Contains honey and best quality ingredients. 10 pieces in box. 30 boxes in counter display carton
Carton, **$1.15**

CURTISS TREASURE CHEST

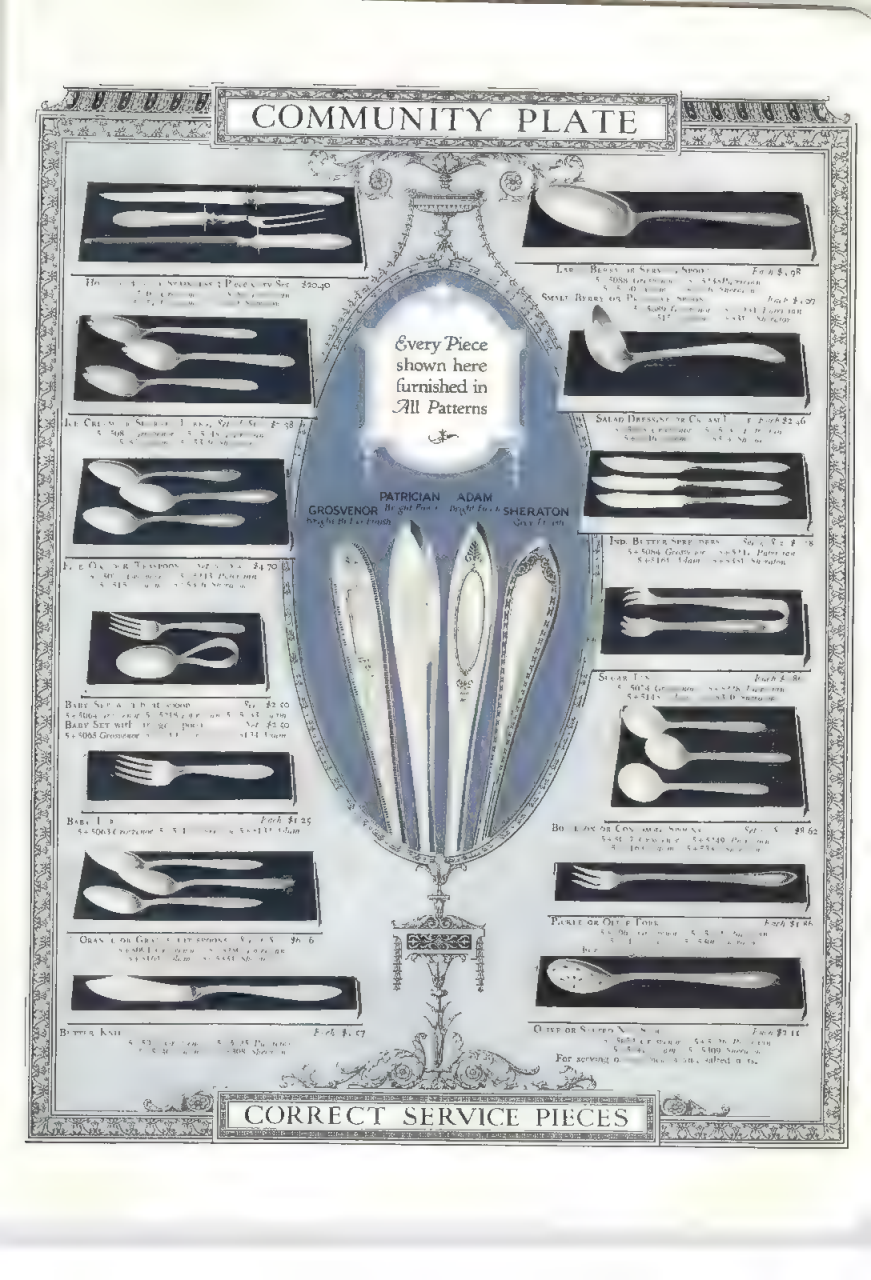
2Y20—Five kinds, 1¼ to 2¼ oz. Chocolate Bars, assd Kandy Kake, Nickelodeon, Baby Ruth, Nougat Bar, and Dit-en-Dot. All wrapped except Nickelodeon. Box 11x22 in., printed in two colors to resemble the old time Pirate Treasure Chest. Assd. 100 bars in box Box, **$3.45**

See Page 205 for our line of candies shipped freight prepaid

THE THURSTON MAGIC BOX OF CANDY

2Y900—Each pkg. contains 2½ oz. specially made chocolate flavored candy kiss and one of Thurston's Famous Magic Tricks. The package also contains a coupon which can be redeemed for more extensive tricks. Each case contains 12 prize pkgs. with apparatus for performing more elaborate tricks. Each pkg. numbered, showing particular trick contained in box. 50 pkgs. in case. Case, **$3.65**

COMMUNITY PLATE



CORRECT SERVICE PIECES

COMMUNITY PLATE

Large Combination Meat or Serving Fork
... Each $12.00 Sheraton
Salad Fork or Meat Knife ... Each $6.15

Large Combination Meat Knife & Steel
... Each $6.15
Cake or Pastry Serving Fork ... Each $4.
$-5265 Grosvenor, $-5232 Patrician, $-5178 Adam
The knife is especially adapted to cutting warm cake

Pierced Pastry Server ... Each $4.00
$-5290 Patrician
$-5015 Sheraton

Every Piece shown here furnished in All Patterns

PATRICIAN — Bright Finish
ADAM — Bright Finish
GROSVENOR — Bright Butler Finish
SHERATON — Grey Finish

Child's Set (With Hollow Handle Knife) Set $4.95
$-5095 Gr., $-5240 Pa., $-4154 Ad., $-5323 Sh.
Child's Set (With Flat Handle Knife) Set $
$-5096 Gr., $-5241 Pa., $ ...

Iced Tea or Iced Drink Spoon
Set of Six ... $ 3.9
$-5285 Grosvenor ...

Cheese Knife or Server ... Each $3.
$-5081 Grosvenor $-5236 Patrician
$-5148 Adam $-5319 Sheraton
For serving hard cheese, honey in the comb, etc.

Salad Serving Set ... Set $6.
$-5097 ... $-5244 Patrician
$-5158 ... $-5327 Sheraton

STAINLESS COMBINATIONS IN BLUE BOXES
Sharp Stainless Steel Blades
Tarnish Spot and Rust Proof

Medium Knife & Fork Sets—Stainless Blades

Grosv.	Pat.	Adam	Sher.		Per Set
...	...	...	...	H.H. Knives & H.H. Forks	...
...	...	...	...	2 H.H. Knives & H.H. Forks	19.44
...	...	...	...	6 Med. Knives & Flat Forks	20.14

Dessert Knife & Fork Sets

Grosv.	Pat.	Adam	Sher.		
$-5268	$-5242	$-5193	$-5362	H.H. Knives & Flat Forks	24.06
$-5265	$-5244	$-5342	$-5347	H.H. Knives & H.H. Forks	...

Fruit Knives

Grosv.	Pat.	Adam	Sher.		Set
...	...	...	...	Fruit Knives H.H. ...	13.42
...	...	...	...	Fruit Knives Modernistic	...

Miscellaneous Pieces

Grosv.	Pat.	Adam	Sher.		
$-5265	$-5236	$-5178	$-5346	Oyster Ladel ...	Each 7.36
...	$-5294	...	...	Ind. Soup Ladel ...	Each 5.53
...	...	...	...	Game Shears	Each 13.44
...	...	...	$-5337	Chafing Dish Set	Per Set 9.80

Medium Knife & Fork Sets—Plated Blades

Grosv.	Pat.	Adam	Sher.		Per Set
...	...	...	...	H.H. Knives & Flat Forks	$23.48
$-5268	$-5187	$-5321	H.H. Kn.& Fl.Frks.(Grosv.)		23.58
$-5105	$-5276	$-5180	$-5356	Mod.Kn.&Fl. Frks.	18.80
...	...	...	...	Mod. H.H. Knives & Fl. Forks	18.90
...	...	...	...	H.H. Knives & H.H. Forks	...
...	...	...	...	H.H. Kn. & H.H. Forks	28.76

Luncheon Dessert Knife & Fork Sets—Plated Blades

Grosv.	Pat.	Adam	Sher.		
...	...	...	...	H.H. Knives & Forks	$22.58
$-5275	$-5272	$-5186	$-5355	H.H. Kn. & H.H. Forks	27.60
$-5106	$-5277	$-5191	$-5360	Mod.H.Kn.& Fl. Forks...	18.30

Dessert Knife & Fork Sets—Plated Blades

Pat.	Adam	Sher.		
...	...	...	Luncheon Knife & Fork Sets	$ 8.04
$-5274	$-5188	$-5357	H.H. Knives & H.H. Dessert Forks	17.76

Grosv.	Pat.	Adam	Sher.	Miscellaneous Pieces	
$-5049	$-5238	$-5182	$-5341	Ind. Pie Forks	Per Doz. 19.96
$-5016	$-5017	$-5018	$-5019	Orange Knives	" " 28.16
$-8020	$-5260	$-5174	$-5343	Butter Spreaders H. ...	" " 26.84

CORRECT SERVICE PIECES

COMMUNITY PLATE

KNIVES PACKED 6 IN BLUE LINED BOX

KNIVES WITH PLATED BLADES

HOLLOW HANDLE

Grosvenor	*Patrician*	*Adam*	*Sheraton*	Dinner or Medium	per doz. $28.16
	Patrician	*Adam*	*Sheraton*	Dinner or Medium (Cim Swa	28.56
	Patrician	*Adam*	*Sheraton*	Breakfast	27.92
Grosvenor	*Patrician*	*Adam*	*Sheraton*	Luncheon or Dessert	24.60

MODELED HANDLE

Grosvenor	*Patrician*	*Adam*	*Sheraton*	Dinner or Medium	per doz. $18.80
	Patrician	*Adam*	*Sheraton*	Dinner or Med.(Cim Swa.)"	" 19.00
Grosvenor	*Patrician*	*Adam*	*Sheraton*	Luncheon or Des.(Bkfst.)	" " 18.44

KNIVES WITH SHARP STAINLESS STEEL BLADES

HOLLOW HANDLE

Grosvenor	*Patrician*	*Adam*	*Sheraton*	Dinner or Medium	per doz. $30.72
Grosvenor	*Patrician*	*Adam*	*Sheraton*	Luncheon or Dessert	" " 29.96

MODELED HANDLE

Grosvenor	*Patrician*	*Adam*	*Sheraton*	Dinner or Medium	per doz. $21.48

COMMUNITY PLATE

KNIVES WITH PLATED BLADES

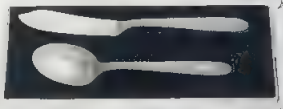
HOLLOW HANDLE

Governor	Patrician	Adam	Sheraton	
5+5052	5+5203	5+5118	5+5289	Dinner or Medium
	5+5204	5+5119	5+5290	Dinner or Med. (Cut Steel)
	5+5205	5+5120	5+5291	Breakfast
5+5053	5+5206	5+5121	5+5292	Luncheon or Dessert
				MODELED HANDLE
	5+5207	5+5122	5+5293	Dinner or Medium
	5+5208	5+5123	5+5294	Dinner or Med. (Cut Steel)
5+5055	5+5209	5+5124	5+5295	Luncheon or Dess. (Ilkfast.)

KNIVES WITH SHARP STAINLESS STEEL BLADES

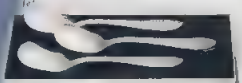
Governor	Patrician	Adam	Sheraton		
				HOLLOW HANDLE	
5+5057	5+5211	5+5126	5+5297	Dinner or Medium	per doz. $30.72
5+5058	5+5212	5+5127	5+5298	Luncheon or Dessert	20.96
				MODELED HANDLE	
5+5059	5+5213	5+5128	5+5299	Dinner or Medium	per doz. $21.48

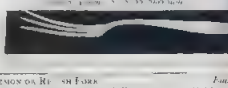
COMMUNITY PLATE

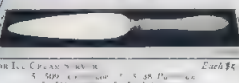


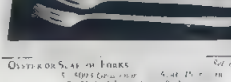
Every Piece shown here furnished in All Patterns

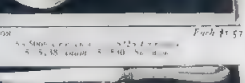
PATRICIAN Bright Finish
ADAM Bright Finish
GROSVENOR Bright Butler Finish
SHERATON Grey Finish

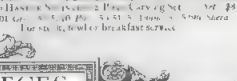












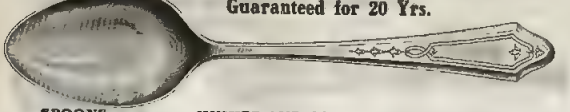
CORRECT SERVICE PIECES

"COMMUNITY" FLATWARE

"DUCHESS" PATTERN TUDOR PLATE

A new pattern, extensively advertised. Gray finish heavily plated over all with special sectional Lining at wearing points.

Guaranteed for 20 Yrs.



SPOONS

Tea Spoons—
J6350—1 doz. in box ..... Doz. $1.75
Dessert Spoons—
J6351—1 doz. in box ..... Doz. $3.34
Table Spoons—
J6352—1 doz. in box ..... Doz. $3.50
Soup Spoons—
J6353—Round bowl, 1 doz. in box ..... Doz. $3.50

KNIVES AND FORKS

Medium Forks
J6354—Flat handle. 1 doz. in box ..... Doz. $3.50
Medium Knives
J6355—Solid handle. ½ doz. in box ..... Doz. $4.40
J6356—Hollow handle. ½ doz. in box ..... Doz. $10.40

FANCY PIECES

In blue lined gift boxes. "Sealed-in-sight to prevent tarnishing
Sugar Shell—
J6357—½ doz. in lined box ..... Doz. $5.04
Butter Knife—
J6358—½ doz. in lined box ..... Doz. $5.04
Cold Meat Fork—
J6359—½ doz. in lined box ..... Doz. $5.88

FANCY PIECES—Contd.

Butter Spreaders—
J6360—½ doz. in lined box ..... Doz. $4.46
Salad Forks—
J6361—½ doz. in lined box ..... Doz. $5.04
Pierced Server—
J6362—½ doz. in lined box ..... Doz. $12.12
Gravy Ladle—
J6363—½ doz. in lined box ..... Doz. $10.88

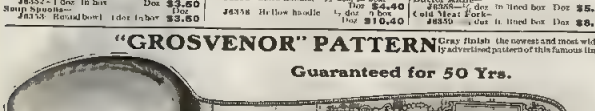
26 PC. BUFFET SET

J6364 Blue lined case free, 6 solid handle dinner knives, 6 flat handle dinner forks, 6 tea spoons, 6 table spoons, 1 sugar shell, 1 butter knife. Each set in 13x10½ in. velvet lined display case ..... SET (26 pcs.) $7.42

"GROSVENOR" PATTERN

Gray finish the newest and most widely advertised pattern of this famous line

Guaranteed for 50 Yrs.



SPOONS

Tea Spoons—
J6720—½ doz. in box ..... Doz. $4.50
Orange Spoons—
J6721—½ doz. in velvet lined box ..... Each $.45
Iced Tea Spoons—
J6731—½ doz. in velvet lined box ..... Each 7.08
Dessert Spoons—
J6731—½ doz. in box ..... Each 8.70
Table Spoons—
J6722—½ doz. in box ..... Each 9.00
Soup Spoons—
J6723—½ doz. in velvet lined box ..... Each 9.00

KNIVES AND FORKS

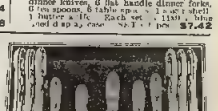
Medium Knives—
J6760—Hollow handle. ½ doz. in box ..... Doz. $13.50
Medium Forks—
J6726—Flat handle. ½ doz. box ..... Doz. $9.00

KNIFE AND FORK SETS

J6734—6 hollow handle knives, 6 flat handle forks in box ..... SET (12 pcs.) $11.25
J6735—6 hollow handle dessert knives, 6 flat handle dessert forks in box ..... SET (12 pcs.) $10.99

FANCY PIECES

Butter Spreaders—
J6740—½ doz. in velvet lined box ..... Doz. $7.00
Individual Salad Forks—
J6737—½ doz. in velvet lined box ..... Each $.58
Baby Spoon—
J6736—Bent handle. Each in velvet lined box ..... Each, 60c
Sugar Spoon—
J6742—Each in velvet lined box ..... Each 75c
Butter Knife—
J6743—Each in velvet lined box ..... Each 75c
Jelly Server—
J6745—Each in velvet lined box ..... Each, 89c
Olive Spoon—
J6743—Each in velvet lined box ..... Each $1.01
Cold Meat Fork—
J6741 Each in velvet lined box ..... Each $1.33
Gravy Ladle—
J6746—Each in velvet lined box ..... Each $1.47
Cake and Pastry Server—
J6744—Each in velvet lined box ..... Each, $1.61
Tomato Server—
J6729—Each in velvet lined box ..... Each $1.76
Berry Spoon—
J6739—Each in velvet lined box ..... Each, $1.91
Pie Server—
J6756—Hollow handle. Each in velvet lined box ..... Each, $2.53
Child's 3 Piece Set—
J6749 Spoon, fork, flat handle knife. 1 set in box ..... SET (3 pcs.) $1.80



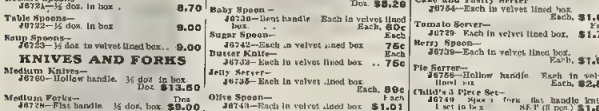
Petit Buffet 26 Pc. Set—Velvet lined case free, 6 dinner knives, 6 flat handle dinner forks, 6 tea spoons, 6 table spoons, 1 sugar shell, 1 butter knife. Each in 13x10½ in. velvet lined display case
J6765—With solid handle knives
SET (26 pcs.) $17.25
J6766—With hollow handle knives
SET (26 pcs.) $19.50

Carving Sets—Each set in blue velvet lined box.
J6747—2 pieces, carving knife and fork
SET (2 pcs.) $4.90
J6748—3 pieces, carving knife, fork and steel
SET (3 pcs.) $5.80

"PATRICIAN" PATTERN

Burnished. Splendid silky lustre in design and graceful outlines distinguish this pattern Tailloware to please discriminating tastes

Guaranteed for 50 Yrs.



SPOONS

Coffee Spoons—
J6520—½ doz. in box ..... Doz. $4.50
Tea Spoons—
J6517—½ doz. in box ..... Doz. $4.60
Orange or Grape Fruit Spoons—
J6521—½ doz. in box ..... Doz. $6.48
Dessert Spoons—
J6518—½ doz. in box ..... Doz. $8.70
Table Spoons—
J6519—½ doz. in box ..... Doz. $9.00
Soup Spoons—
J6522—Round bowl, ½ doz. in box ..... Doz. $9.00

KNIVES AND FORKS

Medium Knives
J6503—Solid handle. ½ doz. in box ..... Doz. $9.00
J6343 Modeled handle, stainless blade. ½ doz in box ..... Doz. $10.30
J6339—Hollow handle, ½ doz. in roll. 2 pcs. $13.80
J6548—Hollow handle, stainless blade. ½ doz. in roll ..... Doz. $14.74
Medium Forks—
J6530—Flat handle. ½ doz. in box ..... Doz. $9.00
Knife and Fork Sets—
J6538 49 modeled handle knives, 6 flat handle forks in box. SET (12 pcs.) $9.00
J6552 6 hollow handle knives, 6 flat handle forks in box SET (12 pcs.) $11.25

FANCY PIECES

Butter Spreaders—
J6535—½ doz. in box ..... Doz. $7.08
Individual Salad Forks—
J6525—½ doz. in box ..... Doz. $8.26
Dessert Forks—
J6543 ½ doz. in box ..... Doz. $8.70
Sugar Shell—
J6532 1 in box ..... Each, 75c
Butter Knife—
J6534—1 in box ..... Each, 75c
Cream Ladle—
J6541—1 in box ..... Each $1.18
Gravy Ladle—
J6527—1 in box ..... Each, $1.47
Berry Spoon—
J6524 1 in box ..... Each, $1.91
Cold Meat Fork—
J6523—1 in box ..... Each, $1.33
PICKLE FORK
J6554—1 in box ..... Each, 89c
Jelly Server—
J6558—1 in box ..... Each, 89c

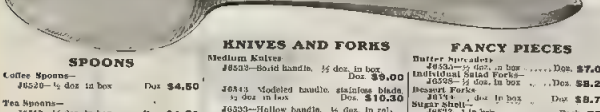
Petit Buffet 26 Pc. Set—Velvet lined case free, 6 dinner knives, 6 flat handle dinner forks, 6 tea spoons, 6 table spoons, 1 sugar shell, 1 butter knife. Each in 13x10½ in. velvet lined display case
J6564—With solid handle knives
SET (26 pcs.) $17.25
J6565—With hollow handle knives
SET (26 pcs.) $19.50

Special Sets—1 set in box
J6549—2 pc., steak and game set.
SET (2 pcs.) $4.80
J6545—3 pc., child's set.
SET (3 pcs.) $1.80

"ADAM" PATTERN

Burnished Finish. A more graceful pattern is not to be found. Its pronounced success with retail buyers is proved by same all over the country over.

Guaranteed for 50 Yrs.



SPOONS

Tea Spoons—
J6640—½ doz. in box ..... Doz. $4.50
Orange Spoons—
J6641—½ doz. in box ..... Doz. $6.48
Dessert Spoons—
J6641—½ doz. in box ..... Doz. $8.70
Table Spoons—
J6642—½ doz. in box ..... Doz. $8.00
Soup Spoons—
J6646—½ doz. in box ..... Doz. $9.00

KNIVES AND FORKS

Medium Knives—
J6656—Hollow handle. ½ doz. in roll ..... Doz. $13.50
J6669—Flat handle. ½ doz. in roll ..... Doz. $9.00
Medium Forks
J6657—Flat handle. ½ doz. in box ..... Doz. $9.00
Knife and Fork Set—
J6673—12 pc. set, 6 modeled handle knives and 6 flat handle forks. 1 set in lined box ..... SET (12 pcs.) $9.00

FANCY PIECES

Butter Spreaders—
J6660—½ doz. in box ..... Doz. $7.08
Individual Salad Forks—
J6659—½ doz. in box ..... Doz. $8.26
Pie Forks—
J6668—½ doz. in box ..... Doz. $9.58
Pickle Fork—
J6653 1 in box ..... Each 89c
Jelly Server—
J6671 1 in box ..... Each, 89c

FANCY PIECES—Contd.

Baby Spoon—
J6652 Bent handle. 1 in box ..... Each, 60c
Butter Knife—
J6651—1 in box ..... Each, 75c
Sugar Shell—
J6647 1 in box ..... Each, 75c
Cold Meat Fork—
J6651 1 in box ..... Each $1.33
Cream Ladle—
J6650—1 in box ..... Each $1.18
Gravy Ladle—
J6649—1 in box ..... Each, $1.47
Berry Spoon—
J6646—1 in box ..... Each, $1.91
Pie Knife—
J6664—1 in box ..... Each, $2.53
Child's set—2 set in box
J6670—3 pc., child's set
SET (3 pcs.) $1.80

Petit Buffet 26 Pc. Set—Velvet lined chest free, 6 dinner knives, 6 flat handle dinner forks, 6 tea spoons, 6 table spoons, 1 sugar shell, 1 butter knife. Each in 13x10½ in. velvet lined display case
J6675—With solid handle knives
SET (26 pcs.) $17.25
J6674 With hollow handle knives
SET (26 pcs.) $19.50

COMMUNITY PLATE

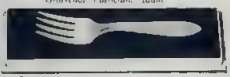
HOLLOW HANDLE STAINLESS Five Carving Set, Set $20.40
Grosvenor, Patrician, Adam, Sheraton

ICE CREAM OR SHERBET FORKS Set of Six $7.35
Grosvenor, Patrician, Adam, Sheraton

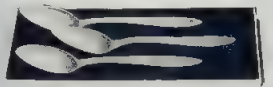
SHERBET OR FIVE O'CLOCK TEASPOONS
Set of Six $4.20
Grosvenor, Patrician, Adam, Sheraton

BABY SET Bow Hdl. Spoon and Straight Fork Set $2.50
Grosvenor, Patrician, Adam

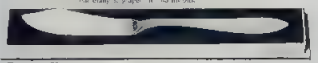
BABY SET Straight Handle Spoon and Fork Set $2.50
Grosvenor, Patrician, Adam



BABY FORK Each $1.25
Grosvenor, Patrician, Adam

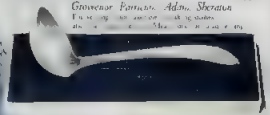


ORANGE OR GRAPEFRUIT SPOONS, Set of Six $6.76
Grosvenor, Patrician, Adam, Sheraton
For orange or grapefruit halves

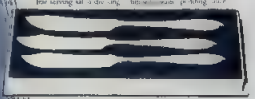


BUTTER KNIFE . . . . . Each $1.57
Grosvenor, Patrician, Adam, Sheraton

LARGE BERRY OR SERVING SPOON, Each $3.98
Grosvenor, Patrician, Adam, Sheraton
SMALL BERRY OR PRESERVE SPOON Each $3.07
Grosvenor, Patrician, Adam, Sheraton
For serving jam, preserves, pickles, etc.



SALAD DRESSING OR CREAM LADLE Each $2.46
Grosvenor, Patrician, Adam, Sheraton
For serving salad dressing, mayonnaise or whipped cream

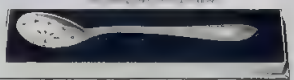


INDIVIDUAL BUTTER SPREADERS, Set of Six $7.38
Grosvenor, Patrician, Adam, Sheraton
Individual butter plates to match

SUGAR TONGS Each $1.86
Grosvenor, Patrician, Adam, Sheraton

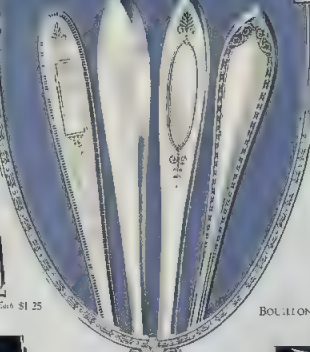
BOUILLON OR CONSOMME SPOONS Set of Six $8.62
Grosvenor, Patrician, Adam, Sheraton
For bouillon, consomme, cups and saucers

PICKLE OR OLIVE FORK Each $1.86
Grosvenor, Patrician, Adam, Sheraton



OLIVE OR SALTED NUT SPOON Each $2.11
Grosvenor, Patrician, Adam, Sheraton
For serving olives, pickles and salted nuts

Every Piece shown here furnished in All Patterns



PATRICIAN *Bright Butler Finish*
ADAM *Bright Finish*
GROSVENOR *Bright Butler Finish*
SHERATON *Grey Finish*

CORRECT SERVICE PIECES

COMMUNITY PLATE

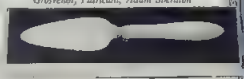
LARGE COLD MEAT OR SERVING FORK . . . Each $2.77
Grosvenor, Patrician, Adam, Sheraton

SMALL COLD MEAT OR SARDINE FORK . . . Each $2.15
Grosvenor, Patrician, Adam, Sheraton
For serving sliced fowl, cold meat, fish and salads

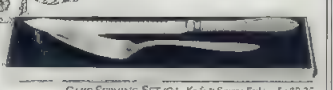
PIERCED PASTRY SERVER . . . Each $3.00
Grosvenor, Patrician, Adam, Sheraton
For serving cake, French pastry, etc.

CHILD'S SET (With Hollow Handle Knife) . . . Set $4.96
Grosvenor, Patrician, Adam, Sheraton

CHILD'S SET (With Flat Handle Knife) . . . Set $3.70
Grosvenor, Patrician, Adam Sheraton



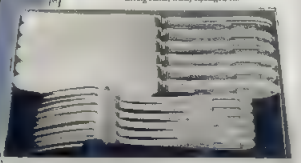
CHEESE KNIFE OR SERVER . . . . . Each $3.07
Grosvenor, Patrician, Adam, Sheraton
For serving hard cheese, honey in the comb, etc.



CAKE SERVING SET (Cake Knife & Serving Fork) Set $8.35
Grosvenor, Patrician, Adam
CAKE OR BREAD KNIFE . . . . Each $5.28
Grosvenor Patrician, Adam, Sheraton
CAKE OR PASTRY SERVING FORK . . . Each $3.07
Grosvenor, Patrician, Adam
The knife is especially adapted to cutting warm cake or bread and the fork is a very useful serving piece

ICED TEA OR ICED DRINK SPOONS
Set of Six $7.38
Grosvenor, Patrician, Adam, Sheraton
For iced tea and coffee, chocolate or lemonade etc.

SALAD SERVING SET . . . . Set $5.84
Grosvenor, Patrician, Adam, Sheraton
Combining the serving spoon and fork, for serving salads, fruits, asparagus, etc.



Every Piece shown here furnished in All Patterns

PATRICIAN — Bright Finish
ADAM — Bright Finish
GROSVENOR — Bright Butler Finish
SHERATON — Grey Finish

STAINLESS COMBINATIONS IN BLUE BOXES
SET OF STAINLESS STEEL BLADES
TARNISH SPOT AND RUST PROOF

MADE IN KNIFE & FORK SETS—STAINLESS BLADES

					Per Set
Grosv.	Pat.	Adam	Sher.	H. H. Knives & Flat Forks	$24 96
Grosv.	Pat.	Adam	Sher.	H. H. Knives & H. H. Forks	29 44
Grosv.	Pat.	Adam	Sher.	Mod. Knives & Flat Forks	20 14

DESSERT KNIFE & FORK SETS

Grosv.	Pat.	Adam	Sher.	H. H. Knives & Flat Forks	$24 96
Grosv.	Pat.	Adam	Sher.	H. H. Knives & H. H. Forks	28 78

FRUIT KNIVES

					Set of Six
Grosv.	Pat.	Adam	Sher.	Fruit Knives, Hollow Handle	$13 42
Grosv.	Pat.	Adam	Sher.	Fruit Knives, Mod. Handle	8 82

MISCELLANEOUS PIECES

Grosv.	Pat.	Adam	Sher.	Oyster Ladle	Each	2 76
	Pat.	Adam	Sher.	Ind. Soup Ladle		4 53
Grosv.	Pat.	Adam	Sher.	Game Shears		14 44
	Pat.	Adam	Sher.	Chafing Dish Set	Per Set	9 80

MEDIUM KNIFE & FORK SETS—PLATED BLADES

					Per Set
Grosv.	Pat.	Adam	Sher.	H. H. Knives & Flat Forks	$21 48
	Pat.	Adam	Sher.	H.H. Kn. & Flat Fks. (Cim. Swa.)	21 48
Grosv.	Pat.	Adam	Sher.	Mod. H. Knives & Flat Forks	18 80
	Pat.	Adam	Sher.	Mod. H. Kn. & Fl. Fks. (Cim. Swa.)	18 90
Grosv.	Pat.	Adam	Sher.	H. H. Knives & H. H. Forks	28 16
	Pat.	Adam	Sher.	H. H. Kn. & H. H. Fks., Cim. Swa.	28 26

LUNCHEON OR DESSERT KNIFE & FORK SETS—PLATED BLADES

Grosv.	Pat.	Adam	Sher.	H. H. Knives & Flat Forks	$22 88
Grosv.	Pat.	Adam	Sher.	H. H. Knives & H. H. Forks	2 60
Grosv.	Pat.	Adam	Sher.	Mod. H. Kni. & Flat Forks	18 30

BREAKFAST KNIFE & FORK SETS—PLATED BLADES

Pat.	Adam	Sher.	H. H. Knives & Flat Dessert Forks		$22 04
Pat.	Adam	Sher.	H. H. Knives & H. H. Dessert Forks		2 76

MISCELLANEOUS PIECES

Grosv.	Pat.	Adam	Sher.	Ind. Pie Forks	Per Doz.	$19 96
Grosv.	Pat.	Adam	Sher.	Orange Knives	"	28 16
Grosv.	Pat.	Adam	Sher.	Butter Spreds, H. H.	"	26 84

CORRECT SERVICE PIECES

COMMUNITY PLATE

SPOONS SIX IN PLAIN BOX

Grosvenor	*Patrician*	*Adam*	*Sheraton*	Tea	per doz	$ 9.40
Grosvenor	*Patrician*	*Adam*	*Sheraton*	Dessert or Soup	" "	18.16
Grosvenor	*Patrician*	*Adam*	*Sheraton*	Table or Serving	" "	18.80
Grosvenor	*Patrician*	*Adam*	*Sheraton*	Round Bowl Soup		18.80

FORKS—FLAT HANDLE SIX IN PLAIN BOX

Grosvenor	*Patrician*	*Adam*	*Sheraton*	Dinner or Medium	per doz	$18.80
Grosvenor	*Patrician*	*Adam*	*Sheraton*	Luncheon or Dessert	"	18.16

FORKS—HOLLOW HANDLE, SIX IN ROLL

Grosvenor	*Patrician*	*Adam*	*Sheraton*	Dinner or Medium	per doz.	$28.16
Grosvenor	*Patrician*	*Adam*	*Sheraton*	Luncheon or Dessert	" "	27.60

COMMUNITY PLATE

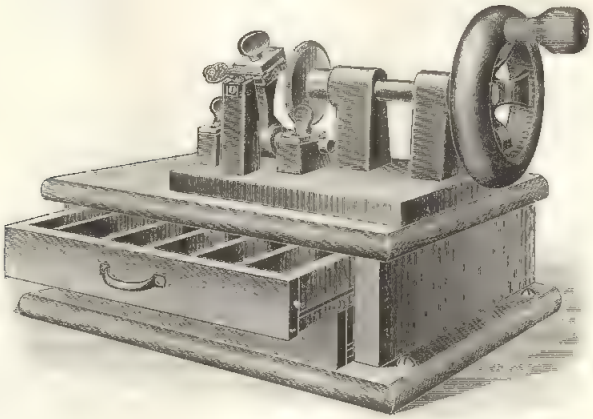
Grosvenor	*Patrician*	*Adam*	*Sheraton*	SPOONS, SIX IN PLAIN BOX	
5+5091	5+5195	5+5110	5—5281	Tea	per doz. $ 9.40
5+5093	5+5196	5+5111	5+5282	Dessert or Soup	" 18.16
5+5095	5+5197	5+5112	5+5283	Table or Serving	" 18.80
5+5096	5+5198	5+5113	5+5284	[illegible]	" 18.80

Grosvenor	*Patrician*	*Adam*	*Sheraton*	[illegible]
5+5047	5+5199	5+5114	5+5285	[illegible]
5+5046	5+5200	5—5115	5+5286	[illegible]
Grosvenor	*Patrician*	*Adam*	*Sheraton*	[illegible]
5+5050	5+5201	5+5116	5+5287	[illegible]
5+5051	5+5202	5+5117	5+5288	[illegible]

KEY DUPLICATING MACHINE

CORBIN AUTOMATIC

For Hand or Power



Machine is mounted on a polished oak cabinet. Drawers contain one gross of nickel silver cylinder blanks, as follows

2 dozen Corbin	1 dozen Norwalk
2 dozen Yale	½ dozen Penn
2 dozen Lockwood	½ dozen Chicago
1 dozen Russell & Irwin	½ dozen Eagle
1 dozen Sargent	½ dozen Barrows
1 dozen Reading	

No.	Wt. each	Each
910	38 lbs	$80.00

One in a case

MACHINE ONLY

Without cabinet or keys.

No	Wt. each	Each
910z	15 lbs	$52 00

One in a case.

MACHINE AND CABINET

Without keys.

No	Wt. each	Each
910s	23 lbs	$64 00

One in a case.

EXTRA CUTTERS FOR ABOVE MACHINES

Wt. each	Each
⅜ lb	$8.00

HOOF DRESSINGS

BEST SPUN OAKUM

A Clean, Selected Quality

Can be used with good results in conjunction with Horse Shoe Pads, in applying Pine Tar, or other Hoof Dressings.

	Per Pound
Bales, weight 50 lbs.	$0.40
Less than Bales	.44

PINE TAR

Pure North Carolina Pine Tar is a cooling and healing substance and can be applied with oakum to diseased feet with excellent results.

	Each
Half Gallon Cans	$1.34
One Gallon Cans	2.30
Five Gallon Cans	10.00

KENTUCKY HOOF OIL

When rubbed in well, Kentucky Hoof Oil is most valuable as a treatment for Galls, Cuts, Wounds, Scratches, Contracted Feet and Quarter Cracks.

Use liberally at the top of the foot between the hair and the hoof.

	Each
Gallon Cans	$1.60
Quarts	.90

PEAT MOSS

It Never Dries

Peat Moss is a Medicated Hoof Stuffing, always ready for use and is used under pads instead of oakum and tar. It prevents corns and draws all fever from the feet and legs.

No hoof can remain hard and unhealthy when Peat Moss is used.

	Per Lb.
Barrels, weight about 150 lbs.	$0.25
Less than Barrels	.29

CORONA WOOL FAT

You Can Recommend It

Cures **Canker, Collar Boils, Contracted Hoofs, Corns, Quittor, Sand Cracks, Scratches, Sore Shoulders, Summer Sores, Thrush, Wire Cuts, Inflamed Udder, Mud Fever, Sore Teats.**

Corona Wool Fat is not a Grease. It is made of a secretion extracted from sheep's wool, refined and combined with antiseptic medications. It eliminates all infections from sores and makes the normal, healthy tissue grow to a complete cure in a surprisingly short time.

	Each
Small Cans, about 8 ozs.	$1.14
Large Cans, about 20 ozs.	2.30

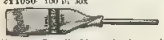
Write for Special Offer of Display Cabinet

PENNY CANDIES—100 IN BOX

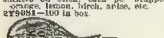
10 Box Lots BOX, 64c 5 Box Lots BOX, 67c Single Box BOX, 70c

QUANTITY PRICES APPLY ON ORDERS FOR ONE KIND OR ASSORTED

Clark's Summer Tarts—Hard candy highly flavored 10 assid flavors
2Y1050—100 in box



"Arrow Pops"—Clear hard candy suckers on stick, each pc wrapped orange, lemon, birch, anise, etc.
2Y9851—100 in box



"Ducky Doo" Suckers—Butter flavored hard candy, each on stick Refills 1c each
2Y9980—100 in box.

Taffy Apple—Candy apple on stick
2Y1042—100 in box

Pipe—3½ in. paraffine pipe, assorted colors
2Y1041—100 in box

Pure Sweet—Scented candy pellets, assid colors in glass tube
2Y1237 100 tubes in box.

"Paraffine Tick Tocks"—Exact imitation of watch assid colors
2Y1044—100 in box

Paraffine Dolls—3 in. paraffine dolls, assorted colors
2Y1042—100 in box

PENNY CANDIES—120 IN BOX

10 Box Lots BOX, 79c 5 Box Lots BOX, 82c Single Box BOX, 85c

QUANTITY PRICES APPLY ON ORDERS FOR ONE KIND OR ASSORTED

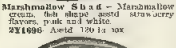
"Circus" Suckers Hard candy 14 assid animals, crowns, birds, etc
2Y1270 120 in box

Reed's "Butter Fals"—Pure butterscotch suckers on stick each one wrapped
2Y1080 120 in box.

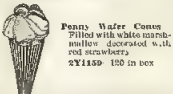
Chocolate Tootsie Roll—Delicious chocolate chewing center wrapped and banded
2Y1005—120 in box.

Wax Auto—Assid. colors and flavors, Anise, Strawberry, Sassafras and Orange. Exact copy of Ford Sedan filled with assorted imperial candies
2Y1043—120 pcs in box.

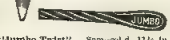
Marshmallow Shad—Marshmallow cream, fish shape assid straw berry flavors, pink and white.
2Y1696 Assid 120 in box



Marshmallow Banana—Marshmallow cream, banana color
2Y1693 120 in box



Penny Wafer Cones—Filled with white marshmallow decorated with red strawberry
2Y1159 120 in box



"Jumbo Twist"—Semi-solid, 11½ in. long
2Y1207—120 in box

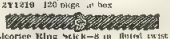
Penny Cigar—Solid flexible licorice, banded
2Y1208—120 in box.

"Popular" Licorice Stick—Solid licorice stick
2Y1456—120 in box

2Y1200 2Y1219

"Arms Plug"—Licorice blocks.
2Y1209—120 in box

Licorice Cigarette—Solid licorice stick 10 in assted pkg
2Y1210 120 pkgs in box



Licorice Ring Stick—8 in. fluted twist stick, each with ring
2Y1112 120 in box

Chocolate Coated Cigar—5½ in. long marshmallow center chocolate covered
2Y1171—120 pcs in box

Chocolate Covered Bear—marshmallow center chocolate covered.
2Y4879 120 in box

Circus Prize Rings—Pure gum rings assid flavors and colors, each ring contains metal toy prize such as trolley cars, skates, tanks, animals, canoes, etc.
2Y1065—120 in box.

Assid Penny Pkgs.—Tiny Hearts Boston Baked Beans, Dainty Breakfasts, Movie Lozenges, Captain Kid Treasure Chest, Violet Rocks, Bumbo Rose. Each asst. contains display carton for 1 doz. pkgs
2Y1400—Assid 120 pkgs. in box

PENNY CANDY SPECIALTIES—Asstd. Counts

ORDERSTHESE NUMBERS IN ANY QUANTITY

Faulkner's Suckers Asst—3 kinds, 100 in box, assid. 2 boxes 2000 each of Scout Suckers, assid. hard candy, butter suckers butter flavor and chocolate suckers
2Y450—Assid 600 (6 boxes) in case Case $3.65

Clark's Real Old English Butterscotch Caramels Wrapped 3 for 1 cent.
2Y1091 300 in box Box 70c

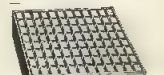
Clark's "IXL" Caramels—Whole milk caramels assid vanilla and chocolate flavor 2 for 1 cent, wrapped
2Y1692 Assid 300 in box Box, 70c

Chocolate Coated Caramels Chewy caramel center, dipped in rich chocolate coating
2Y1294 300 pcs. in box Box 68c

Clark's Orchard Caramels—Fruit flavored pink taffy, each in pink wrapper 2 pieces make big penny's worth
2Y1702 200 pcs in box Box 70c

Hershey's "Silver Tops" Solid milk chocolate pieces wrapped in foil 2½ lbs. (240 pcs.) in box
2Y1242—2½ pcs in lb Box 95c

Jaw Breakers Hard, pure sugar candy balls, center in variegated colors, assid colors and flavors. Net weight 8½ lbs Sell 1 for 1c ea.
2Y1239—Assid 500 in box Box $1.20



Borden's Milk Chocolate Cubes. Soft, smooth, rich quality milk chocolate, sweetened.
2Y1640 240 in box. Box. 78c

"A No. 1" Licorice Drops Old fashioned licorice. Sell 2 for 1c.
2Y1629—5 lbs in box Box $1.60

SHOTWELL CANDIES

FAMOUS CHECKER BRAND

FREIGHT PREPAID, our expense, to all points east of Denver. Orders must total 100 lbs. or more, one kind or assrtd.

Balloon Pop Corn Brick

3Y630—Sweetened corn. Wrapped in colored theme and handled, each brick with good size rubber balloon. 50 bricks in case with balloons. Shipping wt. 12 lbs.

Case, **$1.75**

"Prize Checkers"

Popular pop corn confection. Each pkg contains a souvenir. Airtight moisture-proof pkg.

3Y630—50 pkgs. in case, shipping wt. 14 lbs. Case, **$1.90**

3Y635—100 pkgs. in case shipping wt. 28 lbs. Case **$3.75**

10c Pkg. "Checker" Marshmallows

2¾ oz. pkg. light, fluffy and pure, in triple sealed packages.

3Y635—24 pkgs. in case, shipping wt. 8 lbs. Case, **$1.80**

3Y635—37 pkgs. in case, shipping wt. 16 lbs. Case **$3.75**

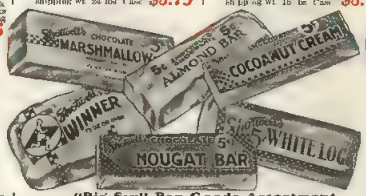
Marshmallows

3Y6254—Paraffine sealed, airtight packing, 4.00 in box, sell 5 for 1 cent. 8 boxes in case. Shipping wt. 12 lbs (Total 36.70) Box **90c**

Marshmallows—In Tins

3Y635—10 lbs. in round tin airtight, layer packed, shipping wt. 14 lbs.

Lb. **28c**



"Big Six" Bar Goods Assortment

3Y637—The best 6 bars 5¢ all large attractive bars, bright foil wrapped. Assortment consists of 1 box each of the following Chocolate Marshmallow Bar, Cocoanut Cream Bar, Almond Bar, Chocolate White Log Bar, Caramel Nougat Bar, Caramel Crisp Bar, Chocolate Winner Bar, Chocolate Marshmallow Bar. 24 bars in box. Assrtd 4 Boxes in case. Total 24 bars 31.80 Box **80c**

"Six Shot Repeater" Bar Goods Assortment

3Y638—6 styles, Mazo, Nougat, Cherry Creams, Chocolate Peanuts, Hazels Angle Caramels, marshmallow, All goods in foil wrapped and parchment wrapped. 100 bars in display case, shipping wt. 15 lbs.

Case **$3.50**

"CRACKER JACK" CANDIES

FREIGHT PREPAID, our expense, to Omaha, Nebr., and all points east. For all points west of Omaha freight allowance not to exceed 75c per cwt. Orders must total 100 lbs. or more.

5c Balloon Pop Corn Bricks

Corn we have served each brick contains a very substantial rubber balloon brick wrapper in colored theme and handled.

3Y731—50 bricks in case. 10 lbs. Case, **$1.90**

3Y712—100 bricks in case, 10 lbs. Case, **$3.75**

"Cracker Jack"

The best known, widest advertised pop corn confection. Prize in each package.

Case

3Y726—50 pkgs. in case shipping wt. 14 lbs. **$1.90**

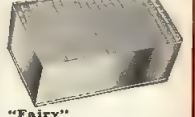
3Y727—100 pkgs. in case shipping wt. 28 lbs. **3.75**

"Angelus" Marshmallows

Vanilla flavor, wholesome and delicious, moisture-proof pkg.

3Y6483—24 pkgs. in case, 9 lbs. Case **$1.80**

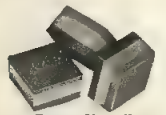
3Y725—50 pkgs. in case 18 lbs. Case **$3.75**



"Fairy" Marshmallows—In Tins

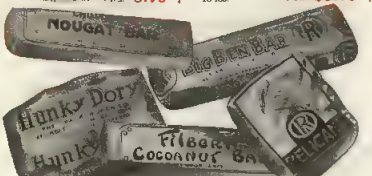
3Y734—Very best materials, fluffy rich flavored, soft, very delicious. 90 pcs. to lb. 15 lbs. in tin container, shipping wt. 20 lbs.

Container, **$4.25**



"Cremolines"

3Y734—5 layer cream fudge caramel, very rich and tasty. 50 pcs. to lb. 30 lbs. in pail shipping wt. 35 lbs. Lb. **19c**



"Reliable" Brand 5c Bar Goods Assortment

3Y736—11 great sellers in the line, large attractive bars, 24 bars per asst. consists of 1 of following bars each: Hunky Dory, Pelican Bar, Filbert Cocoanut Bar. 24 bars in box. Assrtd 5 boxes in case, shipping wt. 30 lbs. Asst **$5.10**

"Reliable" Brand Penny Goods Asst.

10 boxes in case, the best sellers

3Y741—Asst. consists of the following:

			Retail
1 box	500	bright baby dolls	5 for 1c
1 "	120	" jumbo gums	1 for 1c
1 "	120	" chocolate ice bar	1 for 1c
1 "	120	" mixed yellow babies	1 for 1c
4 "	400	" fly tanglefoot	3 for 1c
1 "	600	" marshmallow pencils	5 for 1c
1 "	120	" chocolate marshmallow cigars	1 for 1c
1 "	360	" toasted marshmallows	3 for 1c

Retail, value $12.37

Assrtd. 10 boxes in case, shipping wt., 50 lbs. Asst **$8.00**

"Champion" Chocolate Cream Drops

3Y737—Very fine white foam center, heavy coated rich grade chocolate, 56 pcs. to lb. 30 lbs. in pail shipping wt. 35 lbs. Lb **17c**

Satin Finish Hard Candy

3Y710—Very best materials, true fruit flavors, packed in friction top airtight tins. Assortment consists of one lb. tin of each of the following:

Butter scotch wafers.
Mint pillows.
Assorted peach stones.
Red raspberries.
Lemon drops.
Princess mixed

Assrtd 33 lbs. in case, shipping wt. 15 lbs. Lb. **24c**

PIKIE MINNOWS

The new Nature Lure so closely imitates the pike minow in shape, color and movement that the combativeness of the bass is aroused and they strike it to kill.

Gives best results when reeled slow but does not revolve if reeled fast. It's a near surface wiggler, or by turning up the screweye a few turns and reversing the mouthpiece you have a surface splatter.

Slim body 4¼ in. long; weight ⅞ oz.; rust-proof bronze hooks to blend with color of body; all hooks including the tail hooks set in sockets to hold same away from the body.

No. 700—Scale finish,
Per dozen.

No. 701—White, blue head $16.00
No. 704—Natural perch color .. 16.00
No. 705—Green back, scale finish 16 00
No. 706—Yellow shiner 16.00

BABY PIKE

Thoroughbred from the Famous Pikie Minnow.

This lure 8¾ in. long is a smaller bait than the now famous Pikie Minnow, which has been making the record catches of game fish in every part of the country. It has a wicked wiggle and all the good qualities of the larger lure. A light, strong killer.

No. 900—Natural Pikie, per dozen $15.20

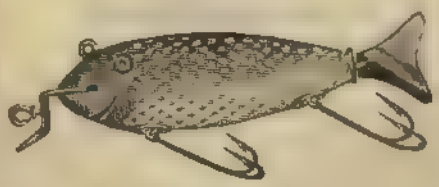
CRAWDAD NATURAL CRABS

Natural shaped body and tail, black bead eyes, rubber legs, bronze hooks, movement backwards, same as a crab. Wiggle mostly in tail. Rubber legs give more movement. ONLY BAIT WITHOUT NICKEL PLATE; fine for use on bright days, in clear water and along stony shores.

Floats until started. Tail guards hooks from snags and bottom. Length of body 2¾ in.; w't ¾ oz. Casts like a bullet.

No. 300—Shell finish,
per dozen $15.20

CHUB WIGGLERS



DE LUXE WAG TAIL

A bait which apparently swims with its tail. Looks like a live minnow, swims like one and is a Real Fish Getter. Has a nickel plated tail which swings back and forth as the bait travels through the water, and the flash of the nickel makes a more attractive lure. Body 2¾ in. long, w't ½ ounce, double hooks so placed that the fish get hooked when striking and at the same time the bait is practically weedless.

No. 800—Natural Creek Chub, scale finish .....per dozen $16.00

Always floats when at rest. Does not revolve. Practically weedless.

Per dozen.

No. 801—Natural chub . $16 00
No. 804—White, red head . . 16.00
No. 806—Yellow shiner . . 16 00

ONE IN A BOX

PFLUEGER DEVON MINNOWS

The spring brass wire frame permits of quick attaching or detaching of the hooks which might have become broken or damaged and also changing of one size hook for another. With this device there is no fraying of the gut or gimp mounts as formerly used and is practically indestructible. Extra strong best quality treble hooks, bright nickel plated, brass barrel swivels and bronze wire leaders bright nickel plated.

No. 289—

Sizes	3	4	5
Per dozen $10.60	12.00	12.00

ONE IN A BOX

TANGO

TANGO, 5 IN. BODY, W.T ¾ OZ.

Per Dozen.

No. 652—White, red head ...$13.60
No. 653—White, yellow and green mottled back 13.60
No. 654—White, red and green mottled back 13.60

TANGO Jr., 4 IN. BODY, W'T 11-16 OZ.

Hooks behind body of bait, makes practically a weedless bait.

Per Dozen.

No. 662—White, red head ...$13.60
No. 663—White, yellow and green mottled back $13.60

TROUTANGO BAITS

The popular Tango Bait in Trout size, 1¾ in. long, has the wiggle and life-like action of the rest of the Tango family. A fly-rod bait.

No. 683—Assorted as follows—**black, red, white with red head, gold finish, silver finish, yellow, with red head,**
per assortment (of six baits) $6.00

No. 684—2 only—White with red head and 4 only—yellow with red head,
per assortment (of six baits) $6.00

STANDARD PATTERN

2¾ in. body, three extra strong Dowagiac nickel plated treble hooks, w't ⅝ oz.

No. 100—Fancy .....per doz. $15.20
No. 101—Rainbow ..per doz. 15.20
No. 104—Red .....per doz. 15.20
No. 109A—Yellow Perch, per dozen 15.20
No. 109B—Frog Finish, per dozen 15.20

3¼ in. body, five extra strong dowagiac nickel plated treble hooks, w't ⅞ oz.

No. 150—Fancy .....per doz. $16.00
No. 151—Rainbow ..per doz. 16.00
No. 152—White ....per doz. 16.00
No. 154—Red .....per doz. 16.00
No. 159A—Yellow Perch, per dozen 16.00
No. 159B—Frog Finish, per dozen 16.00
No. 159D—Scale Finish, per dozen 16.00

ONE IN A BOX

VAMPIRE

Flat-nosed to resemble the baby pike and beautifully enameled in natural fish colors. Look more like a real live minnow than any bait manufactured. Three treble gangs of sharp barbs make it a deadly hooker. A wonder for Pike and all game fish. Length 4½ in., w't ⅝ oz.

No. 7500S—White body, red and green spots ....per doz. $16.00
No. 7501—Rainbow ..per doz. 16.00
No. 7502—White body, red eyes and tail .....per doz. 16.00
No. 7509D—Green scale finish, per dozen 16.00
No. 7509M—New pike scale, per dozen 16.00
No. 7509P—Shiner scale finish .....per dozen 16.00
No. 7509R—Scale finish, per dozen $16.00

ONE IN A BOX

DEEP-O-DIVER

Specially designed to dive very deep, where Bass are found in midsummer in Northern lakes. Does not float. Good for stream fishing. 2½ in. long, one double hook, w't ⅝ oz.

No. 7002—W[illegible] e body, red per dozen $16.00
No. 7009D—Natural Scale finish .....per dozen 16.00
No. 7009E—White body, greenish black spots .....per dozen 16.00
No. 7009H—Scale finish, red, per dozen 16.00
No. 7009J—Frog Scale finish, per dozen 16.00

ONE IN A BOX

MINNOWS

BABY CRAB WIGGLERS

This bait is painted in close resemblance to a fresh water crab or crawfish, floats when not in motion, dives under water when retrieved, the movement being a pronounced wiggle, simulating movement of crab when moving backwards, away from danger; bait is drawn through water tail first. Has patented variable line fishing device to regulate action of bait. Is a floating, diving, darting minnow.

3¾ in. body, two nickel plated treble hooks w't ⅝ oz.

	Per doz.
No. 1900—Fancy green back..	$16.00
No. 1900S—White body, red and green spotted effect	16.00
No. 1901—Rainbow	16.00
No. 1902—White with red head	16.00
No. 1909A—Yellow Perch	16.00
No. 1909B—Imitation Frog ..	16.00
No. 1909C—Imitation Crab ...	16.00
No. 1909D—Scale Finish	16.00

ONE IN A BOX

HEAD-ON-BASSER

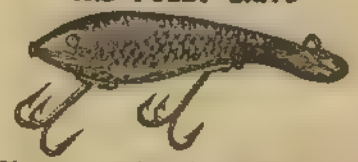
Possesses certain subtle improvements in balance, stream outline and had-planes that intensify the erratic swimming movements associated with baits of similar type.

Casts straight and true and floats on the surface until retrieved. Under the line pull, it drops to an average depth of 18 inches below the surface, and comes in with an undulating, weaving motion, interrupted by short, quick darts that excite the curiosity of any bass in the vicinity. Equipped with three treble hooks. Length overall 3¾ in., w't ⅝ oz.

No. 8502—White body, red head .....per doz. $13.60
No. 8509D—Green scale finish, per dozen 13.60
No. 8509H—Red scale finish, per dozen 13.60
No. 8509J—Frog scale finish, per dozen 13.60
No. 8509K—Gold fish scale, per dozen 13.60
No. 8509L—Yellow perch scale, per dozen 13.60
No. 8509P—Shiner, scale finish .....per dozen 13.60

ONE IN A BOX

TAD POLLY BAITS



Has a wonderful wiggling movement in the water, dives and runs rather deep when retrieved, floats when at rest, one of the most popular Heddon Baits.

3¾ in. long, w't ½ oz., two treble hooks.

No. 5000—Fancy green back..$16.00
No. 5000S—White spotted 16.00
No. 5001—Rainbow 16.00
No. 5002—White body, red head 16.00
No. 5009A—Yellow Perch 16.00
No. 5009B—Frog 16.00
No. 5009D—Scale finish, natural green 16.00
No. 5009H—Scale finish 16.00

4¾ in. long, w't ⅞ oz., two treble hooks.

No. 6009D—Scale finish natural green .....per dozen 16.00

ONE IN A BOX

Our reputation founded on over sixty-eight years' business stands back of the OHB brand.

All goods branded OHB are guaranteed to be of highest quality material and workmanship and free from imperfections.

In selling OHB articles there is a profit for you and satisfaction to your customers.

TRAPS

NEWHOUSE

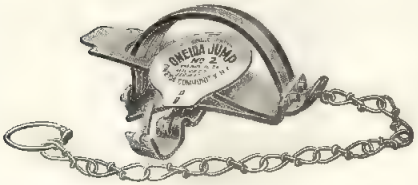
WITH OFFSET TOOTHED JAW

Heavy double spring. ⅜-inch offset jaw allows spring to rise, and prevents severing of animal's leg.

No.	Kind	Spread jaws	Wt. doz	Per doz.
14	Deer	6½ in.	40 lbs	$36.60
15	Bear	11¾ in.	234 lbs	270.34

Loose.

ONEIDA JUMP



Traps lie flat on the ground and can be secreted in runways of animals. Jaws have wide meeting faces, which prevent breaking animal's leg. Construction of springs causes trap to jump up and take a high grip on the animal's leg instead of the foot. Steel wire chain and ring.

No.	Kind	Spread jaws	Wt. doz.	Per doz.
J0	Rat or Gopher	4 in.	5½ lbs	$ 4.14
J1	Muskrat	4¾ in.	8 lbs	4.78
J1½	Mink or Skunk	5¼ in	9½ lbs	6.96
J2	Fox or Raccoon	5½ in.	14¼ lbs.	10.74
J3	Badger or Coyote	6½ in.	22 lbs	14 52
J4	Otter or Coyote	7¼ in.	27¾ lbs.	18 96

Nos. J0 to J1½, one dozen in a box balance, loose

JUMP TRAP SETTERS

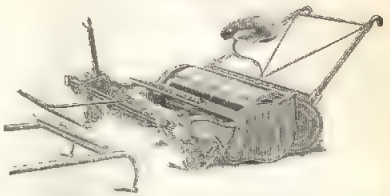
Quickly and easily applied. With one turn of the wrist the spring is brought down, the jaws opened and the trap set.

Size	Wt. doz.	Per doz.
9 in.	4 lbs	$3.78

Loose

HORSE LAWN MOWERS

*FENDEN



Four revolving blades ⅛-inch thick, made of the best knife steel, vanadium crucible analysis, oil tempered. Drive rollers, 15 inches; reel, 8 inches diameter.

Frame construction is the strongest that is possible to build and is reinforced at each end with heavy steel bars. All parts accurately machined and fitted. Equipped with the only graduated raising and lowering device, enabling the operator to instantly adjust the cutting height from ½ to 2¼ inches, or allow the knives to pass over a stone.

The bottom knife, revolving reel, and iron roller are demountable without disturbing the frame of the mower. Reel bearings turn in adjustable split brass bushings. Double riveted malleable iron braces throughout.

Fitted with a train of three gears and durable triple pawl ratchets. Reel is quickly adjusted to bottom knife.

Can be furnished with five revolving knives and bottom knife with upturned edge or lip.

Fully equipped with drivers seat, shafts and side-draft attachments.

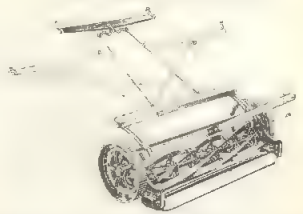
Finish, dark green and empire red; decorations, gold.

Width cut	Gross wt.	Each
30 in.	645 lbs	$344.50
35 in	710 lbs	367.00
40 in.	760 lbs	387.00

One in a case

*Factory shipment only

*CRESTLAWN PONY STYLE



Four revolving knives of finest crucible steel, oil tempered and self-sharpening. Drive wheels, 11 inches high; width of cut, 30 inches; reel, 6 inches in diameter; reel axle, ¾-inch. Double riveted malleable reel braces.

Has an automatic interlocking adjustment which cannot be jarred nor twisted out of alignment. The reel has self-adjusting ball bearings.

Patented horse attachment that can be adjusted quickly and in such a manner that in operation the mower is held to the ground. The draft of the mower is just the same as when operated with the handles.

Finish, light green and gold bronze; decorations red.

Ship wt	Each
150 lbs.	$110.00

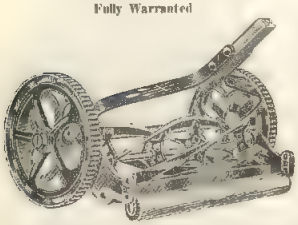
One in a case

*Factory shipment only.

LAWN MOWERS

BALL BEARING

Fully Warranted



Five blades, 10½-inch drive wheels, open spokes. Finish, egg shell enamel, gold bronze and brilliant colors.

Shrub guard forms a center shaft or axle on which the wheels revolve.

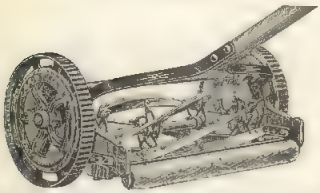
The design is the most attractive that is possible to produce and permits of mower being so lightly constructed where strength is not needed that its weight is materially less than other high grade mowers, adding to the easy running qualities of the ball-bearing features, parts and joints carefully machined and reinforced shoulders are turned on the shrub guard forming a strong frame construction. On the ends of this heavy shaft or shrub guard, which pass through the side plates, are mounted the ball-bearing drive wheels. Hence, the strain caused by the wheels in motion falls on the shaft and not on the side plates, as in the ordinary type of mower where the wheel spindles are a part of the cast sideplates. Self adjusting. Five revolving blades of vanadium crucible steel. Oil tempered stationary blade has upturned lip or edge, cutter bar adjusted by top and bottom screws, extra wide case-hardened pawls.

Size	Gross wt.	Each
14 in.	59 lbs.	$32.50
16 in.	62 lbs.	34.00
18 in.	65 lbs	35.50
20 in	68 lbs	37.00

One in a case, handles separate

CRESTLAWN

BALL BEARING



Five blades, 11-inch drive wheels, 6-inch reel. Finish, silver and gold bronze; decorations, empire red.

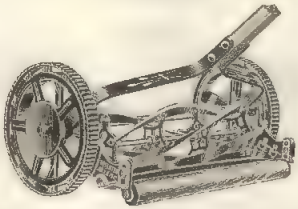
The wheels as well as the revolving knives turn on ball-bearings. Cutter bar is secured to the four-squared rigid frame by a patented interlocking adjustment that is absolutely impossible to be knocked or twisted out of alignment. Blades of razor steel, tempered in oil and self-sharpening. A ⅝-inch reel shaft and double riveted end spiders prevent the reel from being sprung and add increased momentum.

Size	Gross wt.	Each
14 in	62 lbs.	$35.00
16 in	64 lbs.	36 50
18 in.	66 lbs.	38.00
20 in	68 lbs.	39 50

One in a case, handles separate.

HERCULES

BALL BEARING



Five blades, 10½-inch drive wheels, 6-inch reels. Finish, white enamel frame and reel, gold enamel wheels with green center and green handle irons; decorations, red.

This mower is attractive and permits of being lightly constructed where strength is not needed, and its weight is materially less than that of any high-grade mower on the market. Each point of construction has been tried out individually in other styles and is combined with patented features, such as self-adjusting ball bearings and steel wheel mountings.

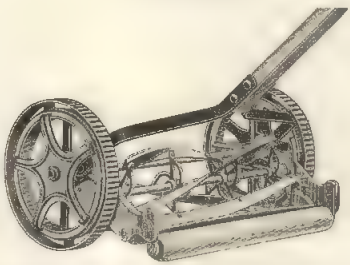
Blades of vanadium crucible steel, oil tempered. Stationary blade has upturned lip or edge. Cutter bar adjusted by top screws on each side of pivotal point. Extra wide case-hardened pawls, insuring a ratchet of long life and durability

Size	Gross wt.	Each
14 in.	62 lbs.	$26 00
16 in.	64 lbs.	27 00
18 in.	66 lbs.	28.00

One in a case, handles separate

ADMIRAL

BALL BEARING



Four blades, 10½-inch wheels, 6-inch reels. Finish, gold bronze and blue; decorations, silver bronze and blue.

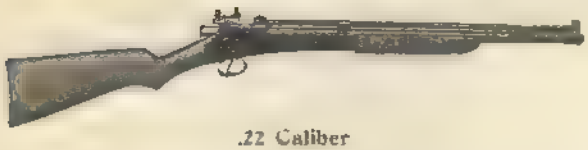
A strictly high grade mower, and one of the most beautiful and graceful designs ever produced. The shrub rod runs through the center of the mower, forming an axle for the wheels. All wood parts are of carefully selected stock and lacquered to protect from weather. Accurately fitted and adjusted throughout. Screw adjusting.

Blades of highest grade crucible steel, oil tempered, spirally formed and self-sharpening.

Size	Gross wt.	Each
14 in.	48 lbs.	$23.50
16 in.	51 lbs.	24.50
18 in.	54 in.	26 00

One in a case, handles separate.

CROSMAN PNEUMATIC RIFLE AND ACCESSORIES



.22 Caliber

Sliding, bolt type action. Round, blued steel, rifled barrel. Blade front sight, adjustable peep rear sight

Solid walnut stock with pistol grip and steel butt plate.

Compressed air under tremendous pressure is the propelling force, the velocity of which may be varied at will. No fouling of barrel.

Low ammunition cost and very effective on small game

Caliber	Length	Packed	Weight	Each
22	35 in.	1	5½ lbs.	**$15.00**

Pell

Spool shaped with rounded nose, ungreased. 250 in box.

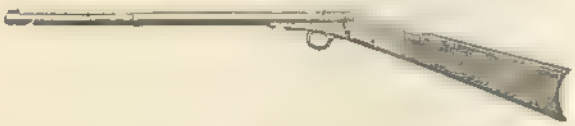
Packed, 1000, weight, 2 lbs..... per 1000, $2.25

Target Holder

Target holder is japanned steel plate ⅛ inch thick. 4 inch steel bell on back serves as a gong for bull's eye. Hangs on wall or stands up

Article	Size	Packed	Weight	Price
Target Holder	5½x7 in.	1	2½ lbs.	**$2.00** Each
Target Inserts	.....	1000	10¼ lbs.	**5.00** Per M

DAISY AIR RIFLES



No. 20

Single shot, break down action, blued finish. Black walnut stock

No. 12

Single shot, lever action. Removable blued barrel. Shoots air rifle shot or 17/100 darts. Black walnut stock

No. 11

350 shot automatic repeater, lever action. Blued finish single piece steel barrel. Black walnut stock

No. 30

500 shot automatic repeater, lever action, metal parts blued Walnut stock.

No. 3

100 shot repeater, lever action, take down model, blued finish, metal parts, black walnut stock

No. 25

50 shot repeater, pump action, take down model, blued finish in gun blue. Black walnut stock. Adjustable rear sight

No. 40

50 shot repeater, military model, adjustable army sling, cocking handle, rubber tipped bayonet, gun blue metal walnut finished stock Open adjustable rear sight, knife type front sight. Length includes bayonet

No	Length	Packed	Weight	Each
20	29 in.	12	16 lbs.	**$1.00**
12	31½ in.	12	30 lbs.	**1.50**
11	31½ in.	12	30 lbs.	**2.00**
30	33 in.	6	20 lbs.	**2.50**
3	36 in.	6	21 lbs.	**3.00**
25	38 in.	6	28 lbs.	**5.00**
40	45 in.	6	35 lbs.	**5.00**

ALBANY HARDWARE & IRON CO.

COLT REVOLVERS

Jointless solid frames. Simultaneous ejection Double action

Police Positive

Full blued finish, walnut stocks. Six shots

For the following cartridges:

.32 Colt Police Positive in full and gallery loads

32 S. & W. short and long when barrel is stamped ".32 Police Ctg."

.38 Colt Police Positive uses .38 Colt Police Positive and 38 S. & W

Cal	Barrel	Length	Weight	Each
32	4 in.	8¾ in.	22 oz.	**$27.00**
32	5 in.	9¾ in.	24 oz.	**27.00**
32	6 in.	10¾ in.	26 oz.	**27.00**
38	4 in.	8¾ in.	24 oz.	**27.00**
38	5 in.	9¾ in.	26 oz.	**27.00**
38	6 in.	10¾ in.	28 oz.	**27.00**

Army Special

Full blued finish, walnut stocks. Six shots

For the following cartridges:

.32-20 rifle cartridge

38 cal. uses .38 long Colt, .38 short Colt, .38 Colt Special, .38 S. & W. Special, full and mid range loads and U. S. service cartridge

41 long Colt uses .41 long Colt and .41 short Colt

Cal	Barrel	Length	Weight	Each
32-20	4 in.	9¼ in.	36 oz.	**$30.00**
32-20	5 in.	10¼ in.	38 oz.	**30.00**
32-20	6 in.	11¼ in.	40 oz.	**30.00**
38	4 in.	9¼ in.	36 oz.	**30.00**
38	5 in.	10¼ in.	38 oz.	**30.00**
38	6 in.	11¼ in.	40 oz.	**30.00**

New Service

Full blued finish, walnut stocks. Six shots. Fitted with Colt positive lock, which prevents accidental discharge

For the following cartridges

.38-40 and .44-40 rifle cartridges

.45 Colt in full, medium and gallery loads.

Cal.	Barrel	Length	Weight	Each
.38-40	4½ in.	9¾ in.	43 oz.	**$34.00**
.38-40	5½ in.	10¾ in.	45 oz.	**34.00**
.38-40	7½ in.	12¾ in.	48 oz.	**34.00**
.44-40	4½ in.	9¾ in.	43 oz.	**34.00**
.44-40	5½ in.	10¾ in.	45 oz.	**34.00**
.44-40	7½ in.	12¾ in.	48 oz.	**34.00**
.45	4½ in.	9¾ in.	43 oz.	**34.00**
.45	5½ in.	10¾ in.	45 oz.	**34.00**
.45	7½ in.	12¾ in.	48 oz.	**34.00**

Officer's Model Target

Full blued finish, walnut stocks. Strap and trigger finely checked. Six shots.

Hand finished action, unequaled for smoothness and excellence of pull.

Front sight adjustable for elevation, rear sight has adjusting screw for windage.

For the following cartridges

.38 long Colt, .38 Colt Special, .38 S. & W. Special cartridges.

Cal.	Barrel	Length	Weight	Each
.38	6 in.	11¼ in.	37 oz.	**$40.75**
.38	7½ in.	12¾ in.	39 oz.	**40.75**

CAMP PERRY MODEL TARGET PISTOL

Full blued finish, walnut stock. Strap and trigger finely checked.

Hand finished, light, clean and smooth trigger pull.

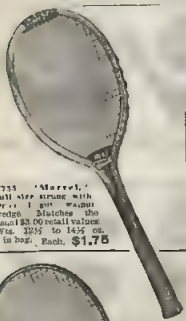
Either bead or partridge style sights, the front adjustable for elevation, rear adjustable for windage.

Caliber	Barrel	Length	Weight	Each
.22 long rifle	10 in.	13¾ in.	34½ oz.	**$40.75**

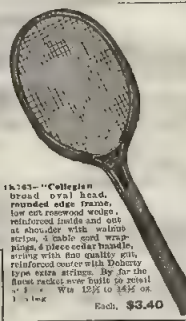
TENNIS GOODS

"PENNANT" TENNIS RACKETS

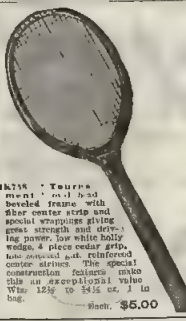
An unmatchable value at each price. All frames second growth, 2 yr. weather seasoned Vermont white ash, shellacked and piano polished, leather capped red cedar grips



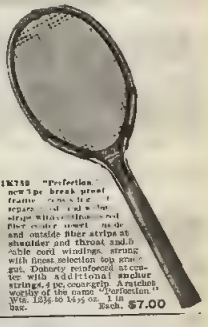
1K733 "Marvel," full size strung with extra fine quality gut, walnut wedge. Matches the most $3.00 retail values. Wts. 12½ to 14½ oz. 1 in bag. Each, **$1.75**



1K763—"Collegian" broad oval head, rounded edge frame, low cut rosewood wedge, reinforced inside and out at shoulder with walnut strips, 4 cable cord wrappings, 4 piece cedar handle, strung with fine quality gut, reinforced outer with Doherty type extra strings. By far the finest racket ever built to retail at $3.00. Wts. 12½ to 14½ oz. 1 in bag. Each, **$3.40**



1K758 "Tourist" medium head beveled frame with fiber center strip and special wrappings giving great strength and driving power, low white holly wedge, 4 piece cedar grip, tone protected gut reinforced center strings. The special construction features make this an exceptional value. Wts. 12½ to 14½ oz. 1 in bag. Each, **$5.00**



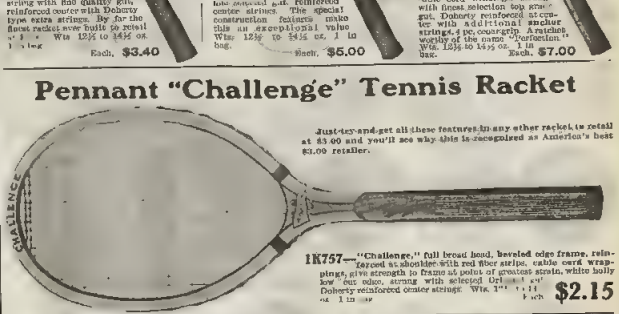
1K738 "Perfection" new type break proof frame, reinforced at shoulder with walnut strips, white holly wedge and inside fiber strips at shoulder and throat and 6 cable cord windings, strung with finest selection top grade gut, Doherty reinforced at outer with additional anchor strings, 4 pc. cedar grip. A riches equity of the game "Perfection." Wts. 12½ to 14½ oz. 1 in box. Each, **$7.00**

"Dayton" Steel Racket

1K760—Tubular steel frame, strung with nine strand steel wire, retains permanent tension unaffected by weather or play. Wood handle. Wts. 13 to 14½ oz. Each, **$7.00**

Pennant "Challenge" Tennis Racket

Just try and get all these features in any other racket to retail at $3.00 and you'll see why this is recognized as America's best $3.00 retailer.



1K757—"Challenge," full broad head, beveled edge frame, reinforced at shoulder with red fiber strips, cable cord wrappings, give strength to frame at point of greatest strain, white holly low cut wedge, strung with selected Dri[illegible] gut Doherty reinforced center strings. Wts. 1[illegible] oz. 1 in box. Each **$2.15**

WRIGHT & DITSON CHAMPIONSHIP TENNIS BALL

1K790—United States National Lawn Tennis Ass'n approved match ball. Per box **$4.50**

WILSON'S CHAMPIONSHIP BALL

1K791—Officially approved, conforms to specifications of [illegible] Lawn Tennis Association. Per box **$4.50**

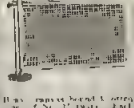
RACKET PRESS

1K750—Double hardwood frame, varnished, wing nut clamp holds rackets frame [illegible] Per pair **$1.00**

"PENNANT" RACKET CASE

1K787—[illegible] size to [illegible] holds [illegible] moisture proof cloth lined, snap [illegible] Each **$5.00**

"PENNANT" TENNIS NETS



[illegible] as named below. [illegible] of [illegible] inches. Each [illegible] a pennant [illegible] Each

1K775 [illegible] **$3.10**
1K776 [illegible] **$4.60**

"PENNANT" DOUBLE COURT MARKING TAPE

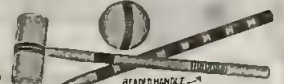
1K777 Double web marking tape for [illegible] court [illegible] Complete with [illegible] set in box with [illegible] Per box **$6.25**

"CROWN" BRAND CROQUET SETS

All balls are made of rock maple and are perfectly round, and we have used a special varnish that does not crack or flake. You would pay more elsewhere for a much cheaper quality. Each set is in wood box with chart and instructions.

"STANDARD" [illegible] turned [illegible] striped handles [illegible] and stained balls and stakes, heavy arches [illegible] in Crate

1K930—4 BALL SET, 30 lbs. (Total $4.20) Set. **$1.40**
1K931—6 " " 65 " 5.40) " **1.80**
1K932 8 " " 81 " 6.75 " **2.05**



SPECIAL [illegible] [illegible] [illegible]

GOLF GOODS "PENNANT" AND "PLUS SUCCESS"

All heads made from models designed by the world's foremost experts, shafts selected and weather seasoned. Our line covers the demands of all golfers.

"PENNANT" GOLF CLUBS

Guaranteed. Hickory shafts, ricochlized calfskin grips, forged, polished steel heads. Aamid models. Priced low—but have all the points of the best goods. Features these at $2.50 for the irons and $3.00 for the woods and you will offer values second to none.

1K830—Mid Iron. Each, **$1.70**

1K835—Mashie. Each **$1.70**

1K839—Niblick. Each **$1.70**

1K843—Putter. Each **$1.70**

1K849—Driver. Each **$2.00**

1K857—Brassie. Each. **$2.00**

"PLUS SUCCESS" GOLF CLUBS

Made by Thos. F. Wilson & Co.

Fully guaranteed. Hand forged heads, special calfskin grips treated to absorb perspiration. A nationally advertised brand in tremendous demand. Construction and workmanship the best

MID IRON

1K840—MEN'S, for right hand player
1K841—MEN'S, for left hand player. Each **$3.00**
1K842—WOMEN'S, for right hand player. Each **$3.00**
1K871—WOMEN'S, for left hand player. Each **$3.00**

MASHIE

1K844—MEN'S, for right-hand player
1K845—MEN'S, for left hand player. Each **$3.00**
1K872—WOMEN'S, for right hand player. Each **$3.00**

NIBLICK

1K838—MEN'S, for right-hand player. Each **$3.00**
1K866—MEN'S, for left-hand player. Each **$3.00**

PUTTER

1K846—MEN'S, for right-hand player
1K864—MEN'S, for left-hand player. Each **$3.00**
1K873—WOMEN'S, for right-hand player. Each **$3.00**

DRIVER

1K853—MEN'S, for right-hand player
1K861—MEN'S, for left hand player. Each **$3.50**
1K870—WOMEN'S, for right hand player. Each **$3.50**

BRASSIE

1K855—MEN'S, for right-hand player
1K863—MEN'S, for left hand player. Each **$3.50**
1K874—WOMEN'S, for right hand player. Each **$3.50**

"PENNANT" STANDARD 1.62 GOLF BALL

1K877—"Pennant" standard 1.62, perfect core wound with finest rubber cross-cut in tough cover stock and finished with durable paint. Each wrapped and sealed. 1 doz. in carton. Doz **$5.50**

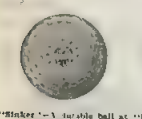
"COLONEL" GOLF BALL

Made by St. Mungo Mfg. Co.

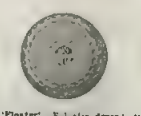
1K878—Standard 1.62 patent core, construction and cover the same, favorably known to golf circles. Needs no introduction to the experienced golfer. 1 doz. in carton. Doz **$6.50**

WILSON'S GOLF BALLS

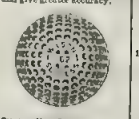
As near indestructible covers as is possible to make. Recessed markings minimize air resistance and give greater accuracy.



"Sinker"—A durable ball at a popular price
1K875—1 doz. in carton. Doz **$4.50**

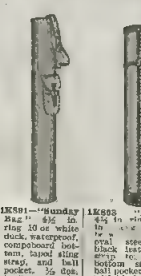


"Floater"—Full size depend-a-bread accurate. A popular priced floater
1K876—1 doz. in carton. Doz **$4.50**



"Success"—Standard 1.62 long flight
1K880—1 doz. in carton. Doz **$6.50**

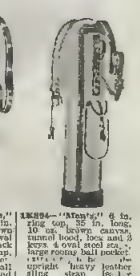
GOLF BAGS



1K881—"Sunday Bag" $5½ in. long, 10 oz. white duck, waterproof, compoboard bottom, taped sling strap, and ball pocket. ½ doz. in pkg. Doz **$9.00**

1K883—"Ladies' Bag" 45½ in. long top, 13 in. long, 10 oz. white duck, waterproof, three oval steel stays, black leather sling strap, top and molded bottom stays and ball pocket trimmed with black leather. Each in carton. 1 in pkg. Each **$2.50**

1K882—"Men's" 8 in. ring top, 35 in. long, 10 oz. brown canvas, three oval steel stays, black leather sling strap, top and molded bottom stays and ball pocket, brass mounted with black leather. Each in carton. 1 in pkg. Each **$3.00**



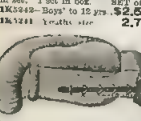
1K884—"Stag" 6 in. ring top, 32 in. long, 10 oz. brown canvas, three oval tunnel head, locs and 3 legs, 4 oval steel stays, large round ball pocket, [illegible] upright heavy leather sling strap, [illegible] trimmed stays and [illegible] bottom of heavy leather, brass protection plate on the bottom. Each **$4.25**

BOXING GLOVES, ETC.

"PENNANT" BOXING GLOVES

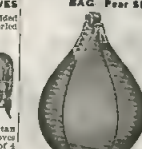
Full leather construction, padded wrists, stuffed with best hair curled hair

Juvenile Pattern—Soft pliable tan glove leather, palm grip, 4 gloves in set. 1 set in box. SET of 4
1K5242—Boys' to 12 yrs. **$2.60**
1K5241—Youths size **2.75**

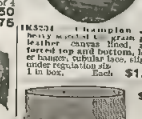


1K5238—"De Luxe," 8 oz., fine imported glove leather, 2 color combination light olive and chocolate brown, roll leather binding, palm grip, padded cuff, top notch throughout. $10.00 retail value. 4 gloves in set. 1 set in box. SET of 5. Out

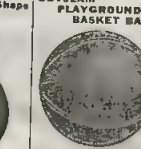
"PENNANT" PUNCHING BAG Pear Shape



1K5234—Champion Jr." heavy standard grain glove leather canvas lined, reinforced top and bottom, leather hanger, cubular lace, slightly under regulation size. 1 in box. Each **$1.35**



OUTSEAM PLAYGROUND BASKET BALLS



Scholastic Official regulation size, extra heavy, full [illegible] leather lace. 1 in box.

1K8281—Genuine cowhide. Each. **$3.50**

SANITARY ATHLETIC SUPPORTER

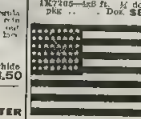
1K1380—Entire construction of new live elastic web. You can retail for 50c. Sizes 24 to 30 waist measure 26 to 34 waist, large size 36 in. waist. SPECIFY SIZES ½ doz. in attractive box. Doz. **$3.95**

CELEBRATION GOODS

U. S. UNMOUNTED FLAGS

Cotton Bunting—Sewed stripes, printed stars, canvas binding, metal grommets.

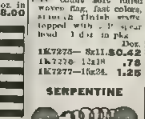
1K7265—4x6 ft. ½ doz. in pkg. Doz. **$8.00**



Wool Bunting—Standard U. S. bunting, red stripes and blue field, special "Turner" hard woven white stripes, colors will not fray under ordinary conditions, fimbriation sewed stars. 1 in bag

1K7285—4x6 ft. Each. Out

MOUNTED WOVEN COTTON U. S. FLAGS



Fine count soft finish woven flag, fast colors, sewed stripes, canvas topped with 3" spear head. 1 doz. in pkg. Doz.

1K7275—8x11. **$0.42**
1K7276—12x18 **.75**
1K7277—18x24. **1.25**

SERPENTINE

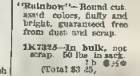
1K7320—Bright color tissue streamers in tight roll, when thrown uncurl in serpentine effect. Assted colors. In rolls in transparent pkg. Doz rolls **.45c**

CONFETTI

"Rainbow"—Round cut assted colors, fluffy and bright, guaranteed free from dust and scrap.

1K7325—In bulk, not scrap. 50 lbs in bags. (Total 25 lbs.) @ $2.50

1K7326—In bags, 1 [illegible] Doz bags in [illegible] **$1.35**



"Good Luck"—Round cut assted colors, fluffy and bright, guaranteed free from dust and scrap.

1K7327—In bags, 2½ oz in bag. 50 bags in box. Box **$1.75**

1K7328—In bags, ½ lb. in paper bags. 2 doz. bags in box. Doz. bags, **40c**

COOLER STANDS

Black japanned, height 29 in., 5/16 in. tempered steel legs, 1¾ in., heavy steel stop band, stamped steel top, glass holder with drain tube.

Nos.	F121	F122	F123
Diam. top, in.	14	16½	19½
W't each, lbs.	14	14	15
Each	$6.00★	$6.70★	$7.00★

ONE IN A CASE

Our reputation founded on over sixty-eight years' business stands back of the CHB brand.

All goods branded CHB are guaranteed to be of highest quality material and workmanship and free from imperfections.

In selling CHB articles there is a profit for you and satisfaction to your customers.

STONEWARE WATER FILTERS

CRUSO, glazed, gray stoneware with blue stripe, natural Tripoli filter disc. This filtering stone is regarded by science as the very best filtering medium known.

Anything contained in the water is arrested upon the extreme surface of the filter disc, from which it may be removed by brushing. The stone remains white and pure.

Nos.	T61	T62	T63
Disc., in.	7	8½	9
Cap. top, qts.	5	9	12
Cap. bot., qts.	7	12	17
Cap. filter, per day, gal.	2to4	3to5	4to8
W't, lbs.	25	30	40
Each	$8.00	9.60	10.70

Nos.	T64	T66
Disc., in.	10	11
Cap. top, qts.	17	24
Cap. bot., qts.	21	30
Cap. filter, per day, gal..	6to10	10to15
W't, lbs.	45	55
Each	$13.40	16.00

ONE IN A CRATE

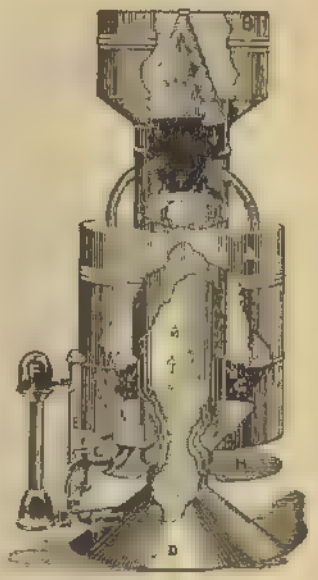
ICE CHAMBERS AND COVERS

For converting Nos. 61 to 66 filters into combination filters and coolers.

Nos.	F061	F062	F063
For No.	61	62	63
W't, lbs.	4½	5	5½
Each	$1.10★	1.40★	1.60★

Nos.	F064	F066
For No.	64	66
W't, lbs.	8	11
Each	$1.80★	2.00★

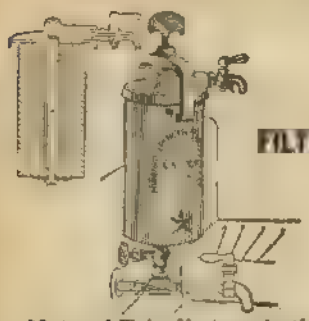
WATER STILLS



In operation vessels A and B are filled with cold water. Set still on fire, just like an ordinary tea kettle, and in a very short time pure, aerated distilled water will collect in reservoir C. The water feeds automatically from supply reservoir A to boiling chamber D, and when water has reached proper height, it is shut off by automatic valve at F. Gauge E indicates height of water in boiling chamber and gauge G shows distilled water in reservoir C.

NOTE—Deflector H prevents heat from stove or boiling chamber striking distilled water reservoir to drive off oxygen.

No. F11—Rose Automatic, heavy copper, nickel plated outside, all parts exposed to water are block tin lined, height 25 in., diam. of bottom 10½ in., capacity ½ gal. per hour, each $72.00



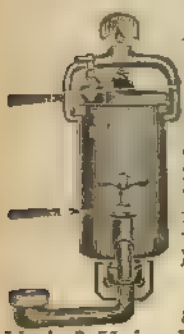
FILTERS

Natural Tripoli stone in this filter is regarded by science as the very best filtering medium known.

The wonderful formation of this stone is such that, while allowing the water to pass freely through the pores, all impurities of every description contained in the water are arrested on the extreme outer surface, from which they can be easily removed, the stone remaining white and pure.

The adjustable tee is threaded so one end fits the thread on the faucet and the other threads in the faucet wall piece. The filter is connected to tee and requires no brackets or screws to hold it in position. Does not interfere with porcelain or enameled sink backs. With this arrangement the unfiltered water is drawn off through the regular faucet just as before. Capacity 15 to 30 gallons per hour, depending upon pressure and condition of water.

No. T96—Germ-proof Tripoli filter block 3×5¼ in., height over all 12 in., heavy galvanized iron cylinder, nickel plated brass tee with adjustable thimbles to fit, ½, ⅝ or ¾ in. standard fuller bibb, nickel plated valve and filtered water faucet, w't per doz. 150 lbs., per dozen $132.00



The filter block in the Advance water filter is very similar to that used in the one described above. The filtered water is drawn from a small faucet at the top of the filter, and the unfiltered water from the large faucet below.

ADVANCE, Tripoli germ-proof filter block 3×5¼ in., heavy galvanized cast iron cylinder, diam. 4 in., with polished brass faucets, height over all 12 in., w't per doz. 150 lbs.

No. T94—With attachment to fit any size **smooth faucet** ..doz. $132.00

No. T95—With attachment to fit ¾ in. **threaded faucet** ....doz. $132.00

EXTRA FILTER BLOCKS

No. 93—Extra Tripoli Blocks for above filters ....per dozen $21.60

ANTI-SPLASHERS

ASSORTED SIZES

No. 51—Anti-splashers, nickel plated brass with four nickel plated strainers assorted for ⅜ in. threaded and ½, ⅝ or ¾ in. plain faucets, w't per doz. 1 lb. .....per dozen $1.00

Separate Sizes for Smooth Faucets.

Nos.	**51½**	**51⅝**	**51¾**
Inches	½	⅝	¾
W't, doz., lbs.	1	1	1
Per dozen $1.00	1.00	1.00	

THREE DOZEN IN A BOX WITH EXTRA HANDY DISPLAY CARD

No. 21—Anti-splashers, brass, nickel plated, double convex and concave strainers, threaded on one end, delivers a smooth, round stream of water, complete with assorted rubbers to ⅝ to ¾ in. faucets, w't per doz. ¾ lb. .....per dozen $1.80

ONE DOZEN IN A BOX

No. 23—A sanitary filter, all white, opal glass body, brass white enameled top and bottom, filled with charcoal, filters the water and prevents splashing, screw on to ⅝ in. faucet, w't per doz. 4 lbs., each $6.00

ONE DOZEN IN A BOX

ANTI-SPLASHERS

Combination Faucet Cushions and Anti-Splashers.

This is a very attractive looking article. Prevents splashing and also dish breaking from hitting faucet. Fits plain and threaded faucets.

No. 47D—High grade, red rubber three fine mesh gauzes, assorted sizes, w't per doz. 1 lb., per dozen $1.80

TWO DOZEN ON A DISPLAY CARD

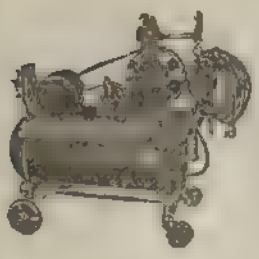
FILTER AND HOSE ATTACHMENTS

For converting a smooth faucet to a threaded faucet, attached by pushing over the spout of the faucet and tightening the screws.

No. 24—Cast brass, standard hose thread, complete with assorted rubbers for all sizes of smooth faucets, w't per doz. 1 lb., per dozen..$6.00

AIR COMPRESSORS

CURTIS



STYLE "X" SINGLE STAGE OUTFIT

Include Compressor, Motor and Tank of Sizes Listed, Single Leather Drive Belt or Cut Fly Wheel Gear and Rawhide Pinion as Desired. Piping Between Compressor and Tank, 15 Feet of Hose with Tire Chuck, 20 Feet of Cord with Plug and Switch. Outfit Mounted on Wheels

Dimensions

Style and No.	Size Com-	Com- pressor R.P.M.	Cubic feet Dis- place- ment	Maxi- mum Pres- sure lbs.	Motor H. P.	Size Tank inches	Time Required to Fill Tank from 0 to 150 lbs.
*X1A						12x36	40 min.
*X2A						14x48	32 min.
X3A						14x48	20 min.
X4						14x48	18 min.
X5						14x48	5 min.

Belted or Geared

Style and No.	Complete with Motor: D. C. 110-220 Volts Each	Complete with Motor: 60 Cycle Single Phase 110-220 Each	Complete with Motor: 60 Cycle 2 or 3 Phase 110-220 Each	App. Ship. Wt., lbs.	Extra for Automatic Starting and Stopping Device
*X1A	$190 80 286 20	$210 60 315 90	$210.60 315 90	320	$40 00 60 00
*X2A	[illegible] 348 30	[illegible] 375 30	[illegible] 375 30	[illegible]	40 00 60 00
X3A	248 40 372 60	304 20 456 30	293 80 440 70	440	45 00 67 50
X4	300 00 459 00	336 60 504 90	300 50 450 75	500	50 00 75 00
X5	574 00 861 00	552 60 828 90	477 50 716 25	900	75 00 112 50

EXTRAS ON ALL OUTFITS

For 25 or 40 Cycle Alternating Current Motors, Increase Above Lists 15% to List Prices on Z, X, and V Outfits. 20% to List Prices on W Outfits.

The Tanks Listed are not Suitable for use in California, Detroit, Chicago or Canada.

For 150 Pound Pressure California Specification Tanks, Advance These Lists [illegible]

Chicago or Detroit Tanks Quoted on Application.

INFORMATION WANTED ON ALL OUTFITS

Whether Belted or Geared.

If Direct Current Give Volts.

If Motor is to be Used on Alternating Current, Give Number of Cycles and Phase.

Always State Whether Outfit is Wanted

*Popular Size Garage Outfits.

AIR COMPRESSORS

CURTIS

STYLE "V" SINGLE STAGE OUTFIT

Outfit Includes Compressor, Motor and Tank, Leather Belt or Cut Gear and Rawhide Pinion as Desired, Also 15 feet of Hose with Tire Chuck.

For Capacity, Use Table of Style "X".

Style and No.	Size Com.	Motor, H. P.	Size Tank inches	Complete with Motor: D. C. 110-220 Volts Each	Complete with Motor: 60 Cycle Single Phase 110-220 Each	Complete with Motor: 60 Cycle 2 or 3 Ph. 110-220 Each	App. Ship. Wt., lbs.
*V1A	[illegible]	[illegible]	10x36	$175 80 263 70	[illegible] 293 40	[illegible] 293 40	285
*V2A	2½x2½	½	14x48	217 20 325 80	235 20 352 80	235 20 352 80	375
V3A	2½x3	¾	14x48	247.00 370 50	284 30 426 30	277 00 415 50	425
V4	3x3½	1	14x48	281.00 421 50	311.60 467 40	282 50 423 75	460
V5	4½x4½	3	14x48	542.00 813 00	522 05 783 90	440.20 660 30	850

Extra for Automatic Starting and Stopping Device

Nos	V-1A	V-2A	V-3A	V-4	V-5
Each	$40 00 60 00	40 00 60 00	45 00 67 50	50 00 75 00	75 00 112 50

STYLE "W" SINGLE STAGE OUTFIT

Outfit Includes Compressor and Motor of Size Listed, Single Leather Drive Belt or Cut Fly Wheel Gear and Rawhide Pinion as Desired; All Mounted on Cast Iron Base as Illustrated Opposite No. Tank

Dimensions

Style and No.	Size Com- pressor	Com- pressor Speed	Cubic Feet Dis- place- ment	Maxi- mum Pressure	Motor H. P.
W1	[illegible]	[illegible]	1.10	150 lbs.	¼
W2	2½x2½	500	2.47	150 lbs.	½
W3	2½x3	450	3.84	150 lbs.	¾
*W4	3x3½	400	5.8	150 lbs.	1
W5	4½x4½	326	13.2	150 lbs.	3

Belted or Geared

Style and No.	Complete with Motor: D. C. 110-220 Volts Each	Complete with Motor: 60 Cycle Single Ph. 110-220 Each	Complete with Motor: 60 Cycle 2 or 3 Ph. 110-220 Each	App. Ship. Wt., lbs.	Extra for Automatic Starting and Stopping Device
W1	$[illegible] 194 40	[illegible] 224 10	[illegible] 224 00	130	$40 [illegible] 60 00
W2	171 00 256 50	189 00 283 50	189 00 283 50	245	40 00 60 00
W3	189 00 283 50	243 00 364 50	210 60 315 90	300	45 00 67 50
*W4	244 80 367 20	275 40 413 10	225 00 337 50	350	50 00 75 00
W5	457 10 686 10	455 40 683 10	[illegible] 530 10	675	75 00 112 50

AIR COMPRESSORS

CURTIS—SINGLE STAGE OUTFITS

STYLE "Y" PRIVATE GARAGE OUTFIT

Style Y-1-A Portable Outfit Illustrated Opposite Includes 1⅝ inch x 2 inch Compressor, Fan Fly Wheel, with Internal Gear, ¼ H. P. Motor, Either A. C. or D. C. as Desired; Expansion Chamber; Snap Switch and Drain Cock; 20 feet of Electric Cord and Plug, 15 feet of Best Grade Pump Tubing with Tire Chuck and Air Gauge; Combination Push Bar Handle and Hose Rack; All Mounted on Cast Iron Base Running on Large Diameter Wheels. Not Furnished for 25 or 40 Cycle Current or for Three-phase Current.

	Each
No. Y-1-A Portable Outfit, as Illustrated, with ¼ A. C. or D. C. Motor	$195 00 130 00
No. Y-1-B Stationary Outfit, Same as Above, But No Wheels, Push Bar Handle Nor Hose Rack	187 50 125 00

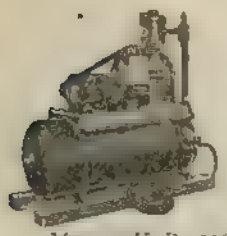
One in a Crate

STYLE "S" TRUCK TIRE OUTFIT

Includes Compressor and Tank of Same Specifications as in "V" Outfit, Piping Between Compressor and Tank, Outlet Cock, Air Gauge, Pop Safety Valve, 20 feet of Hose, No Motor.

	Each
No. STP—With Tight Pulley Only	$360 00 300 00
No. STPL With Tight and Loose Pulley	381 60 318 00

One in a Crate



STYLE "V" TRUCK TIRE OUTFIT WATER COOLED

Fully Meets the Needs of Service Stations and Garages Handling Large Tires. It is Designed for 200 lbs. Pressure in a Large Tank, which Insures an Air Reserve Greater than Required by the Largest Tires in Commercial Use. Water Cooled for Safety.

Bore, 2½ inches, Stroke 4½ inches. Water Cooled

Capacity, 10.3 Cubic feet; Speed, 250 R.P.M.

Motor, 1 H. P., 1800 R. P. M.

Tank, 24 inches Diameter x 60 inches, 82 gallons. 200 Lbs. Working Pressure—400 lbs. Test Pressure.

Compressor, Motor and Belt Tightener, on Cast Iron Base with Tank Underneath, All Resting on Cast Iron Bunks.

Hose, 20 feet of Best Oil-proof Hose, with Hose to Pipe Coupling and Tire Chuck.

	Each
No. V1 110 or 220 Volt A. C. 60 Cycle Single Phase	$387 60 603 10
No. V2—110 or 220 Volt A. C. 60 Cycle 2 or 3 Phase	334 60 556 400
No. V3—With 110 or 220 Volt D. C. Motor	990 60 660 40
Extra for Automatic Starting and Stopping Device, Including Curtis Centrifugal Unloader	112 50 75 00

One in a Crate

NOTE—No Extra Charge for California Tanks on Truck Tire Outfits, but Tanks That are Approved in California for 150 Pounds Pressure, Instead of 200 Pounds.

Tanks Listed Not Suitable in Detroit, Chicago or Canada.

For 25 or 40 Cycle Alternating Current Motors, Increase Above Lists 15%.

Automatic Device Cuts in at 170 lbs. and Out at 200 lbs., Except in California, Where Same Cuts in at 120 lbs. and Out at 150 lbs.

AIR COMPRESSORS

CURTIS—TWO STAGE OUTFITS

STYLE "W" TWO STAGE OUTFIT
Belted, No Tank

Specifications

Outfit Consists of No. 20T Curtis Two-Stage Compressor, A. C. or D. C. Motor, as Ordered, with Motor Pulley, Belt Tightener, Single Leather Drive Belt; Motor and Compressor Mounted on Cast Iron Base.

Style and No.	Motor H. P.	Cubic Feet Displacement	Cu. Ft. Displacement	D. C. 110-220 Volts Each	A. C. Single Phase 60 Cy. 110-220 Volts Each	A. C. 2 or 3 Ph. 60 Cy. 110-220 Volts Each	Wt.	Extra Auto. Starting and Stopping Device Each
W20	¾	210	2.6	$270 00 384 75	$280 00 399 00	$265 00 377.00	330	$40 00 57 00
W40	1	280	3.4	290 00 413.25	300 00 427 50	270 00 384 75	350	50 00 75 00
W60	1½	410	5.0	315 00 448 90	375 00 534 40	300 00 427 50	[illegible]	75 00 106 90
W80	2	550	6.6	365 00 520 10	400.00 570 00	330.00 470·25	[illegible]	75 00 106 90

For 25 or 40 Cycle Alternating Current Motor, Increase Above List 15%

Automatic Device Cuts in at 140 lbs. and Out at 175 lbs., Except in California Where Same Cuts in at 120 lbs. and Out at 150 lbs.

STYLE "X" TWO STAGE OUTFIT
Belted

Specifications

Outfit Consists of No. [illegible] Curtis Two-Stage Compressor, 14 inches x [illegible] Steel Air Tank, 200 Lbs. Working Pressure, Motor A. C. or D. C., as Ordered, Mounted on Large Rear Wheels and Front Universal Casters, Push Bar Handle, Cord and Hose Rack, 20 feet of Water Proof Electric Cord and Plug, Motor Pulley, Starting Switch, 15 feet of Special Air Hose with Tire Chuck

Style and No.	Motor H. P.	Cubic Feet Displacement	Cu. Ft. Displacement	D. C. 110-220 Volts Each	A. C. Single Ph. 60 Cy. 110-220 Volts Each	A. C. 2 or 3 Ph. 60 Cy. 110-220 Volts Each	Wt.	Extra Auto. Starting and Stopping Device Each
X20	¾	210	2.6	[illegible] 00 513 00	$370 00 527 25	[illegible] 00 498 75	500	$40 00 57 00
X40	1	280	3.4	380 00 541 50	390 00 555 75	360 00 513 00	610	50 00 75 90

NOTE [illegible] Tanks, Instead of 200 lbs.

Tanks Listed Not Suitable in Detroit, Chicago or Canada.

For 25 or 40 Cycle Alternating Current Motors, Increase Above Lists 15%.

Automatic Device Cuts in at [illegible] lbs. and Out at 175 lbs. Except in California, Where Same Cuts in at [illegible] lbs. and Out at 150 lbs.

EXTRA For Equipping Above Outfits with Oil Proof Rubber Tires on Wheels, Add to List Prices $ [illegible]

EXTRAS ON ALL OUTFITS

For 25 or 40 Cycle Alternating Current Motors, Increase Above Lists 15% to List Price on Z, X and V Outfits 20% to List Prices on W Outfits

The Tanks Listed are Not Suitable for Use in California, Detroit, Chicago or Canada.

For 150 Pound Pressure California Specification Tanks, Advance these Lists 5%.

Chicago or Detroit Tanks Quoted on Application.

INFORMATION WANTED ON ALL OUTFITS

Whether Belted or Geared.

If Direct Current, Give Voltage.

If Alternating Current, Give Voltage, Number of Cycles and Phase.

Always State what Extras are Wanted.

*Popular Size Garage Outfits.

TROUT BASKETS

BEST SPLIT WILLOW WITH LEATHER LOCK CLASP

Nos.	12	14
Capacity, lbs.	20	24
W't, doz. lbs.	15	20
Length, in.	13	14
Per dozen	$44.50	48.00

WHOLE WILLOW BASKETS WITH LEATHER LOCK CLASP

Nos.	1	3
Capacity, lbs.	9	20
W't, doz lbs.	8	15
Length, in.	11	13
Per dozen	$22.80	31.30

LEATHER BOUND

Made of round willow, with leather hinges, strong leather handle and metal locks. The grade must not be confused with split willow baskets frequently offered where price is the only consideration.

Nos.	21	22	23
Capacity, lbs.	9	16	20
Length, in.	12	13	13½
Width, in.	5	5½	6
W't per doz., lbs.	13½	15	18
Per dozen	$90.00	90.00	104.00

WRAPPED INDIVIDUALLY

BASKET STRAPS

No. 10. No. 8.

No. 10—4 in. web shoulder piece, ⅝ in. leather straps with nickel trimmings .....per dozen $5.70

No. 8—1½ in. webbing over shoulder, ⅜ in. leather straps, nickel buckles, per dozen $3.35

REFRIGERATOR BASKETS

HAWKEYE, rattan, metal lined with layer of asbestos and felt between, ice compartment at one end which is easily removed, lid made same as body of basket, heavy felt being piped all around the edges making it air tight when straps are fastened, lining is rustproof, top and handles polished.

Nos.	41	42
Size, in.	18x10x8	20x13x10
W't per doz., lbs.	108	120
Each	$13.50	16.00

REFRIGERATOR BASKETS

This basket is in reality a light, portable ice chest or refrigerator. It is made with a hardwood bottom, the sides are woven up with indestructible rattan. The cover is made with two layers of 3-ply hardwood veneer, made so that basket is air tight when closed. The basket is lined with terne plate metal and asbestos insulator like a high class refrigerator. A removable ice pan holds the ice. The entire basket is finished in a pretty, light brown color, and coated with two coats of shellac and water proof varnish. It's light, strong and durable. Made to last a lifetime.

Nos.	100	200
Length, in.	21	22
Width, in.	10	10
Depth, in.	12	14½
W't each, lbs.	10	11
Each	$8 80	13.20

LOOSE

ANCHORS

Used for trolley fishing, anchoring small boats when hunting or fishing, also for anchoring decoys. Throwing out anchor opens it automatically. To haul in, pull line tight and let go at once. This will loosen anchor and close it up so it can be hauled in easily. Can be carried in pocket or in tackle box.

No. 347—Automatic, w't per doz. 10½ lbs. .....per dozen $5.10

ONE DOZEN IN A CARDBOARD BOX

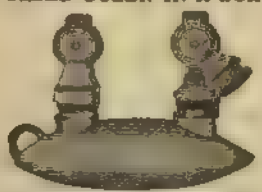
TROLLEY SINKERS

Lead with brass trolley wheels and loops, without line.

No. 345—Single trolley, w't 6 oz., per dozen $2.70

No. 346—Double trolley, w't 6½ oz., per dozen $4.00

THIRD DOZEN IN A BOX



No. 344—Double trolley, can be opened by pushing arm out, brass fork and pulleys, w't per doz. 5½ lbs., per dozen $6.00

The latest and best trolley made, the middle pulley catches line below when pulling up, thus preventing line from cutting in corner of fork and saving the line.

No. 349—Triple trolley, can be opened by pushing lever to one side, three brass pulleys, w't per doz. 7½ lbs., per dozen $7.00

ONE DOZEN IN A BOX

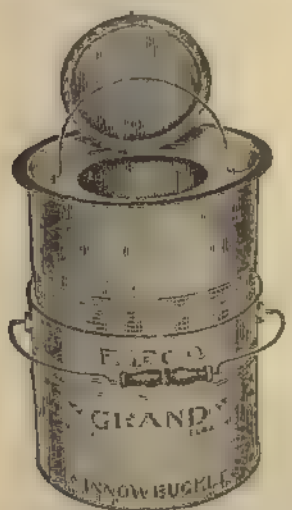
SPECIAL ROUND FLOATING BUCKETS

I. X. tin bucket; no cover; inset is made of galvanized wire; solid at bottom to hold enough water to transfer; hinged, perforated, self-locking cover; finished in green japan with gold striping.

Nos.	508	510
Capacity, qts.	8	10
Diameter, in.	9½	9½
Height, in.	7½	9½
W't per doz., lbs.	33	38
Per dozen	$22 90	24.00

LOOSE

GALVANIZED ROUND FLOATING BUCKETS



Galvanized iron bucket, no cover; inset of galvanized wire, solid at bottom to hold enough water to transfer; hinged, perforated, self-locking cover; plain galvanized, finished in blue striping.

Nos.	608	610
Capacity, qts.	8	10
Diameter, in.	9½	9½
Height, in.	7½	9½
W't per doz., lbs.	36	42
Per dozen	$27.20	28.50

LOOSE

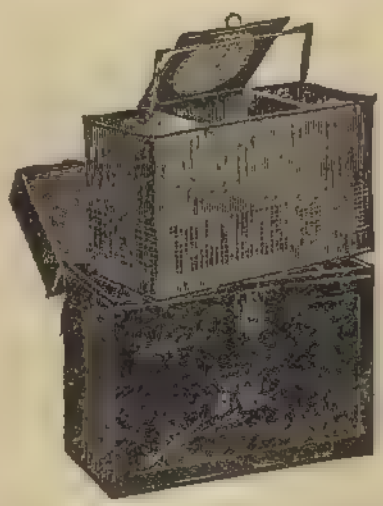
MINNOW AND FROG BUCKETS

Hinged, perforated cover with spring catch; body finished in blue lacquer and the cover in gold.

No. 102—Capacity 2 qts., diameter 6 in., height 4½ in., w't per doz. 6¼ lbs. .....per dozen $4 80

LOOSE

SQUARE CORNER FLOATING



No. 28—**Lucas,** 10 qt., 10½x11x5 space for ice at top of bucket, japanned with gilt trimmings, brass snap locking device, bottom of both outside and inside bucket galvanized, w't per dozen 48 lbs.,

per dozen $111.00

LOOSE

MINNOW TRAPS

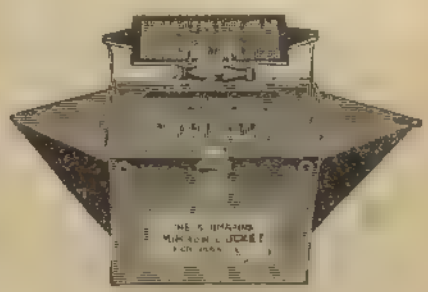
Has no key and can be easily and quickly put together. Locks firmly by a spring brass slotted locking device.

No. 68—Keyless, best grade, galvanized wire cloth of 7/16 in. mesh, rims of galvanized metal, and hinges at seam of cloth, w't per doz. 26 lbs., per dozen $20.00

HALF DOZEN IN A FIBRE BOARD BOX

No. 71—Heavy flint glass, handle and legs galvanized metal, length 12 in., circumference 24 in., w't per doz. 24 lbs. .....per dozen $60.00

ONE IN A BOX



SUBMARINE

A floating, self-locking, easy to get'em out, three-in-one bucket.

Being pointed at both ends is easily carried in walking through brush, weeds or tall grass. Made of charcoal tin with galvanized bottom, baked enamel paint.

No. 1000—Per dozen $48.00

DAZEY CHURNS

Heavy, clear glass jar, with smooth finished neck; heavily plated screw-cap top; hard. white maple dasher; cast frame and gears finished with double coat of aluminum bronze; perforated removable strainer in cap.

NUMBERS	20	30	40
Capacity, pints	4	6	8
Churning capacity, pints	2	4	5
Weight, each	5	6	7
Weight, per dozen, boxed	75	106	120
Each	$2.15	2.65	3.50

EXTRA GLASS JARS FOR DAZEY CHURNS

NUMBERS	20-J	30-J	40-J
Weight, per dozen, boxed	52	75	80
Each	$0.75	1.05	1.25

DAZEY ELECTRIC CHURNS

The same principle of butter-making which has made DAZEY Hand Churns so universally popular, has been combined with every essential feature of a practical and efficient Electric Churn.

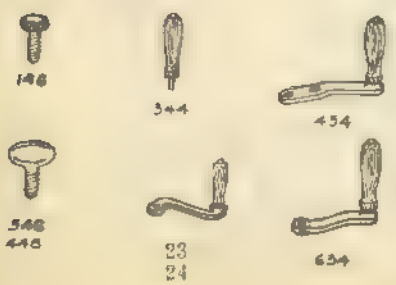
Clutch for starting and stopping Churn without shutting off motor is provided; the high base provides safe mounting for motor, and raises the receptacle so a vessel can be placed under faucet; the gears are fully enclosed and protected; the extension cord is protected by carrying same thru hollow side rod. Years of faithful service is assured thru use of highest grade motors, best of materials and careful workmanship.

★ MOTORS—The following motors are furnished as standard equipment
Single phase, alternating current, 60 cycle motors of 110 and 220 volts
32, 110 and 220 volt, direct current, compound wound.
Motors of special cycles, phase etc., can be furnished at an extra charge.

★ **IMPORTANT—When ordering Electric Churns it is necessary to specify voltage, cycle and phase on alternating current; specify voltage on direct current.**

NUMBERS	F450-M	F650-M	F1050-M
Gross capacity, gallons	4	6	10
Churning capacity, gallons	2	3	5
Motor, horse power	1-8	1-6	1-4
Height over all, inches	31	34	36
Weight, each, crated	70	80	100
Each, with Motor, Belting and Cord	$63.00★	70.00★	84.00★
NUMBERS	**F450-W**	**F650-W**	**F1050-W**
Each, without Motor, Belting and Cord	$21.00★	24.50★	31.50★

REPAIRS FOR DAZEY CHURNS



No. 23—Handles complete for 30 **Dazey** Glass Churns, each $0.40

No. 24—Handles complete for 40 **Dazey** Glass Churns, each $0.40

No. 344—Handle, for 300 Dazey Churn each ..... $.36

No. 434—Handle, complete for 400 Dazey Churn $0.40

No. 634—Handle, complete for 600 Dazey Churn $0.50

No. 146—Thumb Screws for 100 and 200 Dazey Churn .....each $0.20

No. 346—Thumb Screw for 300 Dazey Churn ....each $0.20

No. 448—Thumb Screws for 400 and 600 Dazey Churns .....each $0.20

★ Items Marked Thus ★ Are Shipped From Factory Only.

DAZEY CHURNS

Nos. N100-N200

Nos. N300-N400-N600 N1000 F1600

THE DAZEY PRINCIPLE AND WHY IT IS BETTER

The principal butter-making property of cream is butter fat, which is an oil contained in a tiny delicate tissue and best compared to a soft-shell egg. The principle of ordinary churns is to break these tiny butter fat tissues, allowing the fat to gather in a mass at the top of the cream; but with the DAZEY, it is different and better.

As the cream is rolled along under the wings of the patented DAZEY Dasher, the whole fat globules are **rolled-up** in their natural condition, in uniform sized grains.

Cream contains other valuable butter-making properties which are usually lost with ordinary churns, but by the DAZEY System are **rolled-up** with the fat globules. This is the reason the DAZEY produces more and better butter.

Just sufficient working to salt evenly is all that is necessary, because the **rolling-up** of the whole globules has squeezed out all milk from inside of grains. This means saving of labor.

The powerful dasher produces a scientific agitation that results in the production of butter in from five to twenty minutes.

The receptacles are non-absorbent; no cracks to harbor the cream and become rancid. The receptacle lifts out of frame and can be cleaned as easily as an ordinary pail. There are no complicated parts in the DAZEY.

MATERIAL AND FINISH

Frame strong, and rigidly constructed of steel and iron, and finished with double coat of pure aluminum bronze; receptacle of triple plated charcoal dairy plate, enameled outside, covers and dasher of hard, white maple.

NUMBERS	N100	N200	N300	N400	N600	N1000	F1600
Capacity, gallons	1	2	3	4	6	10	16
Churning capacity, gallons	½	1	1½	2	3	5	10
Height over all, inches	17	21	25	27	31	39	47
Weight, each pounds	5	8	13	16	27	40	70
Weight, each, crated	10	13	21	26	37	58	100
Each	$4.60	5.50	7.00	8.50	10.50	17.20	35.00★

★ **Items Marked Thus ★ Are Shipped From Factory Only.**

BASE BALL BATS

DELPHIA

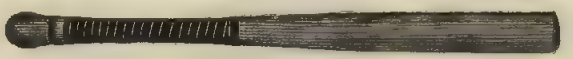
RETAIL PRICE Each
No. 112 . $ .50

EXPERT

Made of Good Quality Second Growth, Straight Grained White Ash. New Special Golden Finish. Highly Polished. Trade Mark Transfer. Taped Handle. Assorted Models.

Per Dozen
No. 112—Men's Size. Lengths, 32 to 36 inches..... **$10.00** --- ---

One in a paper bag, three dozen in a crate. Weight, per crate, about 95 to 105 pounds.



RETAIL PRICE Each
No. 105 .. $ .50

CONGRESS

Made of Second Growth, Clear Stock White Ash. Special Antique Finish. Choke Grip. Taped Handle. Assorted Models.

Per Dozen
No. 105—Men's Size. Lengths, 32 to 36 inches..... **$9.50** --- ---

One in a paper bag, three dozen in a crate. Weight, per crate, about 92 to 95 pounds.

LOUISVILLE SLUGGER

RETAIL PRICE Each
No 40TCJ $ .50

TY COBB, JUNIOR

Made of Second Growth, Straight Grained White Ash. Hand Turned. Flame Burnt, Highly Polished Finish, with Photo Trade Mark Transfer.

Per Dozen
No. 40TCJ—Junior Size. Length, 32 inches..... **$10.00** --- ---

One in a paper bag, three dozen in a crate. Weight, per crate, about 85 pounds.

RETAIL PRICE Each
No. 40WJ . $ .50

J. HANS WAGNER, JUNIOR

Made of Choicest Second Growth, Straight Grained White Ash Hand Turned. Golden Mottled Finish, with Photo Trade Mark Transfer.

Per Dozen
No. 40WJ Junior Size. Length, 32 inches..... **$10.00** --- ---

One in a paper bag, three dozen in a crate. Weight, per crate, about 85 pounds.

DELPHIA

RETAIL PRICE Each
No. 104.. $ .25

CHAMPION

Made of Second Growth Ash. Flame Burnt Finish.

Per Dozen
No. 104—Men's Size. Lengths, 32 to 36 inches..... **$5.50** --- ---

Three dozen in a crate. Weight, per crate, about 93 to 96 pounds.

BASE BALL BATS

LOUISVILLE SLUGGER

RETAIL PRICE Each
No. 42 . $ 25

YOUTHS'

Made of Second Growth Ash. Burnished Finish.

Per Dozen
No. 42—Youths' Size. Length, 32 inches **$5.50**

Six dozen in a crate. Weight, per crate, about 155 pounds.

DELPHIA

RETAIL PRICE Each
No. 103 . . $ .25

AMATEUR

Made of Selected Second Growth White Ash. Flame Burnt Finish.

Per Dozen
No. 103—Youths' Size. Length, 32 inches **$5.00**

Six dozen in a crate. Weight, per crate, about 159 pounds.

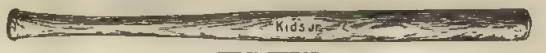
RETAIL PRICE Each
No. 102 $ .15

DRIVER

Made of Fine Quality White Ash. Natural Finish. Highly Polished.

Per Dozen
No. 102 -Youths' Size. Lengths, 30 to 32 inches **$3.00**

Six dozen in a crate. Weight, per crate, about 120 to 123 pounds.



RETAIL PRICE Each
No. 101 . $ .10

KIDS' JUNIOR

Made of Good Quality Ash. Green Tinted Finish. Black Stripes and Red Band.

Per Dozen
No. 101—Boys' Size. Lengths, 28 to 30 inches **$2.00**

Six dozen in a crate. Weight, per crate, about 108 to 111 pounds.

RETAIL PRICE Each
No. 100 . . $ .05

BOYS'

Made of Maple Wood. Smooth Finish.

Per Dozen
No. 100—Boys' Size. Length, 28 inches **$1.00**

Six dozen in a crate. Weight, per crate, about 110 pounds.

AUTOMOBILE SCREW PLATES

No. 133 DERBY SCREW PLATE

FOR FORD MODEL T

Cuts ¼-in. to ½-in.

This Screw Plate is specially arranged for the Ford Automobile, but is also adapted to other cars.

SPECIFICATIONS

One 11-in. Stock, 7 Dies with Collets 1⅝-in. Diameter cutting ¼-28, 5/16-24, ⅜-24, 13/32-16, 7/16-14, 7/16-20, ½-20.

Seven Hand Plug Taps. One No. 9 Tap Wrench.

No. 133—Derby Screw Plate....Per Set $32.40

No. 74A DERBY SCREW PLATE

S.A.E. STANDARD

Cuts ¼-in. to ½-in.

These Screw Plates conform to the Standard adopted by the Society of Automobile Engineers, and are of U. S. Standard form of Thread.

SPECIFICATIONS

One 14-in. Stock. 5 Derby Dies with Collets 1⅝-in. Diameter cutting ¼-28, 5/16-24, ⅜-24, 7/16-20, ½-20.

Five Hand Plug Taps. One No. 9 Tap Wrench.

No. 74A—Derby Screw Plate ...Per Set $31.00

No. 102A DERBY SCREW PLATE

S.A.E. STANDARD

Cuts ¼-in. to ¾-in.

These Screw Plates conform to the Standard adopted by the Society of Automobile Engineers, and are of U. S. Standard form of Thread.

SPECIFICATIONS

One 14-in. Stock, 4 Derby Dies with Collets 1⅝-in. Diameter cutting ¼-28, 5/16-24, ⅜-24, 7/16-20, and one 26-in. Stock with 3 Dies contained in Collets 2¾-in. Diameter cutting ½-20, ⅝-18, ¾-16 Seven Hand Plug Taps. One No. 10 Tap Wrench.

No. 102A—Derby Screw Plate....Per Set $45.50

No. 103A DERBY SCREW PLATE

S.A.E. STANDARD

Cuts ¼-in. to 1-in.

These Screw Plates conform to the Standard adopted by the Society of Automobile Engineers, and are of U. S. Standard form of Thread.

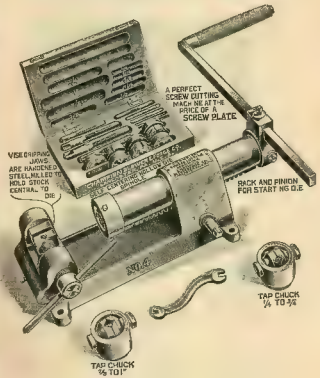
SPECIFICATIONS

One 14-in. Stock, 4 Derby Dies with Collets 1⅝-in. Diameter cutting ¼-28, 5/16-24, ⅜-24, 7/16-20, and one 26-in. Stock with 5 Dies contained in Collets 2¾-in. Diameter cutting ½-20, ⅝-18, ¾-16, 7/8-14, 1-14. 9 Hand Plug Taps. One No. 9 and one No. 11 Tap Wrench.

No. 103A—Derby Screw Plate....Per Set $70.00

SCREW PLATES and THREAD CUTTER

CHAMPION THREAD CUTTER


A PERFECT SCREW CUTTING MACHINE AT THE PRICE OF A SCREW PLATE
VISE GRIPPING JAWS ARE HARDENED STEEL, MILLED TO HOLD STOCK CENTRAL TO DIE
RACK AND PINION FOR START ING DIE
TAP CHUCK ¼ TO ¾
TAP CHUCK ⅜ TO 1"

Furnished with "V" Oversize or U.S. Standard Thread.

We will send U.S. Standard unless otherwise ordered.

No. 4—Champion Thread Cutter. Cuts ¼-20, 5/16-18, ⅜-16, 7/16-14, ½-12 or 13, ⅝-11, ¾-10, ⅞-9, 1-8 Threads. Complete with Dies, Taps and Two Taps Chucks. Weight, 75 lbs..... **$129.00**

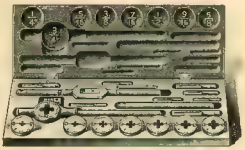
No. 2—Champion Thread Cutter. Same as No. 4 but less Taps and Tap Chucks Weight 65 lbs. **$97.00**

DESCRIPTION

This is a highly practical, common sense Tool and a good investment for any Blacksmith whose shop is not already equipped with a more expensive machine.

It has a Rack for starting the Thread on the Bolt instantly and, with the Long Leveraged Crank which can be shortened or lengthened according to the work, the mechanical eye at once discerns that the machine is built on exactly the right principle to do its work quickly and well.

CHAMPION SCREW PLATES



IN HARDWOOD CASES

BLACKSMITHS' SCREW PLATE

Cuts Seven Sizes

Per Set

Set No. 305B—Cuts ¼-20, 5/16-18, ⅜-16, 7/16-14, ½-12, ⅝-11, ¾-10. All 1/32-in. Oversize, V Thread. Seven Taps and Seven Dies. One 23-in. Stock. One Tap Wrench.....**$35 90**

BLACKSMITHS' SCREW PLATE

Cuts Nine Sizes

Per Set

Set No. 307B—Cuts ¼-20, 5/16-18, ⅜-16, 7/16-14, ½-12, ⅝-11, ¾-10, 7/8-9, 1-8. All 1/32-in. Oversize, V Thread. Nine Taps and Nine Dies. One 25-in. Stock. One Tap Wrench.....**$63.10**

AUTO-MACHINISTS' SCREW PLATE

Cuts Five Sizes in Two Standards

Per Set

Set No. 311—Cuts ¼-20, 5/16-18, ⅜-16, 7/16-14, ½-13. U.S. Standard Thread. Cuts ¼-28, 5/16-24, ⅜-24, 7/16-20, ½-20. S.A.E. Standard Thread. Ten Taps and Ten Dies. One 19-in. Stock. One Tap Wrench.....**$44.10**

AUTO-MACHINISTS' SCREW PLATE

Cuts Eight Sizes in Two Standards

Per Set

Set No. 315½—Cuts ¼-20, 5/16-18, ⅜-16, 7/16-14, ½-13, 9/16-12, ⅝-11, ¾-10. U.S Standard Thread. Cuts ¼-28, 5/16-24, ⅜-24, 7/16-20, ½-20, 9/16-18, ⅝-18, ¾-16. S.A.E. Standard Thread. Sixteen Taps and Sixteen Dies. One 23-in. Stock. One Tap Wrench.....**$84.10**

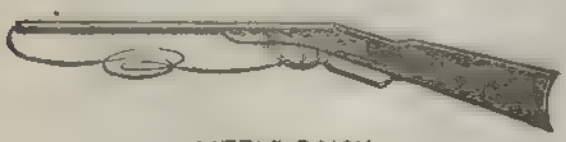
POP GUNS

KING

Per Dozen

No. KP—Steel Barrel, Nickel Plated; Walnut Stock; Length 15 inches, Weight Each, 6½ ozs.; Shoots a Cork with a Loud Report; No Danger..... $4 50

Twelfth Dozen in a Carton; Twelve Dozen in a Case



LITTLE DAISY

Per Dozen

No. DP—Steel Barrel, Nickel Plated, Walnut Stock, Length 17 inches, Weight Each 17 ozs., Shoots a Cork with a Loud Report, No Danger..... $6 70

Twelfth Dozen in a Carton; Six Dozen in a Case

DERRINGERS

DOUBLE—DERRINGER

Two Shots; 3 inch Barrel; Checkered Rubber Stocks, Length Over All, 4½ inches, Weight 11 ozs.

Each

No. 241R—41 Caliber; Blued; Rubber Handle; Shoots .41 SRF Cartridges..... $18.90

One in a Box

REVOLVERS

BABY HAMMERLESS

Model 1910

Folding Trigger; All Steel Interchangeable Parts. Accurately Rifled A W L Made and Strong Weapon Specially Adapted to Ladies' Use as a Home Protector, or as a Vest Pocket Revolver.

22 Caliber

1⅝ inch Barrel; 6 Shots; Shoots .22 Short Rim Fire Cartridges; Weight 6 ozs.

Each

No. 22BH—Black Rubber Handles, Nickel Plated $9 00

No. 22BHP—Pearl Handles, Nickel Finish..... 11 30

No. 222BH—Blued Finish..... 9 00

One in a Box

REVOLVERS

Double Action; Round Barrel; Small Frame.

Nickel Plated — Each

No. 222—22 Caliber; Black Rubber Handles; 2 inch Barrel; 7 Shots; Weight 7½ ozs.; Shoots .22 SRF or .22 LRF Cartridges.. $7.50

No. 232P—Same as Above, Only with Pearl Handles ... 11 00

No. 322R—32F Caliber; 2 inch Barrel; 5 Shots; Weight 9 ozs.; Shoots .32 SRF or .32 LRF Cartridges..... 7 50

No. 323—32 Caliber, Rubber Handles, 2 inch Barrel, 5 Shots, Weight 9 ozs., Shoots .32 S&W CF Cartridges 7.50

No. 322P—Same as Above, Only with Pearl Handles 11 00

Blued — Each

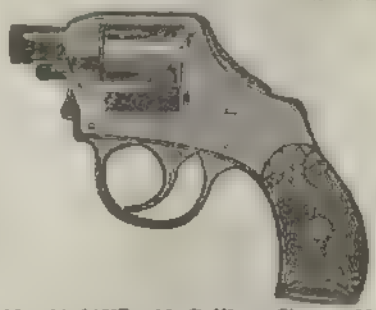
No. 2222—22 Caliber; 2 inch Barrel; 7 Shots; Weight 7½ ozs., Shoots .22 SRF or .22 LRF Cartridges..... $8 00

No. 2322—32 Caliber; 2 inch Barrel; 5 Shots; Weight 9 ozs.; Shoots .32 S&W CF Cartridges ... 8 00

No. 2322½—32 Caliber; 2 inch Barrel; 5 Shots; Weight 9 ozs.; Shoots .32 S&W CF Cartridges 8 00

No. 2382½—38 Caliber; 2½ inch Barrel; 5 Shots; Weight 1 lb.; Shoots .38 S&W CF Cartridges 8 00

One in a Box



VEST POCKET

Double Action; 1⅛-inch Round Barrel; Nickel Plated; Rubber Handle; Weight 8½ ozs.; 5 Shots.

Each

No. 321⅛VP—32 Caliber; Shoots .32 S&W CF Cartridges..... $7.50

One in a Box

AMERICAN

Double Action; Octagon Barrel.

Nickel Plated — Each

No. 322½—32 Caliber; 2½ inch Barrel; Weight 16 ozs.; 6 Shots, Shoots .32 S&W CF Cartridges ... $7 50

No. 324½—32 Caliber; Rubber Handles, 2½ inch Barrel, Weight 17 ozs., 6 Shots, Shoots .32 S&W CF Cartridges ... 8 00

No. 382½—38 Caliber; Rubber Handles, 2½ inch Barrel, Weight 16 ozs., 6 Shots; Shoots .38 S&W CF Cartridges ... 7 50

No. 382½P—Same as Above, only with Pearl Handles ... 11.00

No. 384½—38 Caliber; 4½ inch Barrel; Weight 16 ozs.; 5 Shots, Shoots .38 S&W CF Cartridges..... 8 00

No. 386—38 Caliber; 6 inch Barrel, Weight 17 ozs., 5 Shots, Shoots .38 S&W CF Cartridges ... 8 50

One in a Box

HARRINGTON & RICHARDSON REVOLVERS

Double Action—Automatic Ejection

HAMMER

32 Caliber; 5 Shots; Shoots 32 S&W Central Fire Cartridges.

	Nickel Plated	Each
No. 323¼H—3¼ inch Barrel; Rubber Handle; Weight 18 ozs.		**$16.00**
No. G323¼HP—Same as Above, Only with Pearl Handles and Gold Gilt Cylinder		**21 00**
No. 324H—4 inch Barrel; Weight 19 ozs.		**17.00**
	Blued	
No. 2323¼H—3¼ inch Barrel; Rubber Handle; Weight 18 ozs.		**16 00**
No. G2323¼HP—Same as Above, Only with Pearl Handle and Gold Gilt Cylinder		**21 00**
No. 2324H—4 inch Barrel; Weight 19 ozs.		**17 00**

38 Caliber; 5 Shots; Shoots 38 S&W Central Fire Cartridges.

	Nickel Plated	Each
No. 383¼H—3¼ inch Barrel; Rubber Handle; Weight 17 ozs.		**$16 00**
No. G383¼HP—Same as Above, Only with Pearl Handle and Gold Gilt Cylinder		**21.00**
No. 384H—4 inch Barrel; Weight 18 ozs		**17.00**
	Blued	
No. 2383¼H—3¼ inch Barrel; Rubber Handle; Weight 17 ozs.		**16 00**
No. G2383¼HP—Same as Above, Only with Pearl Handles and Gold Gilt Cylinder		**21.00**
No. 2384H—4 inch Barrel; Weight 18 ozs.		**17 00**

One in a Box

PREMIER HAMMER

22 Caliber; 7 Shots; Small Frame; Shoots BB Caps; 22 SRF or 22 LRF Cartridges.

	Nickel Plated	Each
No. 223PH—3 inch Barrel; Rubber Handle; Weight 13 ozs.		**$16 00**
No. G223PHP—Same as Above, Only with Pearl Handles and Gold Gilt Cylinder		**21 00**
No. 225PH—5 inch Barrel; Rubber Handles, Weight 15 ozs.; for Target Practice.		**17 00**
No. G225PHP—Same as Above, Only with Pearl Handles and Gold Gilt Cylinder		
No. 226PH—6 inch Barrel, Rubber Handles, Weight 16 ozs.; for Target Practice		**18 00**
No. G226PHP—Same as Above, Only with Pearl Handles and Gold Gilt Cylinder		
	Blued	
No. 2223PH—3 inch Barrel; Rubber Handles; Weight 13 ozs.		**16 00**
No. G2223PHP—Same as Above, Only with Pearl Handles and Gold Gilt Cylinder		**21 00**
No. 2225PH—5 inch Barrel, Rubber Handles, Weight 15 ozs.; for Target Practice		**17 00**
No. G2225PHP—Same as Above, Only with Pearl Handles and Gold Gilt Cylinder		**23.00**
No. 2226PH—6 inch Barrel, Rubber Handle; Weight 16 ozs.; for Target Practice		**18 00**
No. G2226PHP—Same as Above, Only with Pearl Handles and Gold Gilt Cylinder		**23 00**

32 Caliber; 7 Shots, Small Frame, Rubber Handle, Shoots 32 S&W Central Fire Cartridges.

	Nickel Plated	Each
No. 323PH—3 inch Barrel; Weight 12 ozs.		**$16 00**
	Blued	
No. 2323PH—3 inch Barrel; Weight 12 ozs.		**16 00**
No. 2325PH—5 inch Barrel, Rubber Handles, for Target Practice		**17 00**

One in a Box

HARRINGTON & RICHARDSON REVOLVERS

Double Action—Automatic Ejection

HAMMERLESS

32 Caliber; 5 Shots; Small Frame; Shoots 32 S&W Central Fire Cartridges.

	Nickel Plated	Each
No. 322BHH—2 inch Barrel; Weight 12 ozs.; for Bicyclists.		**$17 50**
No. G322BHH—Same as Above, Only with Gold Gilt Cylinder		**23 00**
No. 323HH—3 inch Barrel; Rubber Handles; Weight 13 ozs.		**17.50**
No. G323HHP—Same as Above, Only with Pearl Handles and Gold Gilt Cylinder		**23 00**
No. 2322BHH—2 inch Barrel; Weight 12 ozs.; for Bicyclists.		**17.50**
No. G2322BHH—Same as Above, Only with Gold Gilt Cylinder		**23 00**
No. 2323HH—3 inch Barrel; Rubber Handles; Weight 13 ozs.		**17 50**
No. G2323HHP—Same as Above, Only with Pearl Handles and Gold Gilt Cylinder		**23.00**

38 Caliber; 5 Shots; Regular Frame; Shoots 38 S&W Central Fire Cartridges.

	Nickel Plated	Each
No. 383¼HH—3¼ inch Barrel, Rubber Handles, Weight 18 ozs.		**$17 50**
No. G383¼HHP—Same as Above, Only with Pearl Handles and Gold Gilt Cylinder		**23 00**
No. 2383¼HH—3¼ inch Barrel; Rubber Handles; Weight 17 ozs.		**17 50**
No. G2383¼HHP—Same as Above, Only with Pearl Handles and Gold Gilt Cylinder		**23 00**

One in a Box

PREMIER

With Target Grip

32 Caliber; 5 Shots; Small Frame; Rubber Handle; Shoots 32 S&W Central Fire Cartridges.

	Nickel Plated	Each
No. 324HTG—4 inch Barrel; Weight 20 ozs.		**$20 50**
	Blued	
No. 2324HTG—4 inch Barrel; Weight 20 ozs.		**20 50**

38 Caliber; 5 Shots; Regular Frame Rubber Handle; Shoots 38 S&W Central Fire Cartridges.

	Nickel Plated	Each
No. 384HTG—4 inch Barrel; Weight 19 ozs.		**$20.50**

One in a Box

TRADE MARK REGISTERED IN THE U. S. PAT OFFICE

SKIS

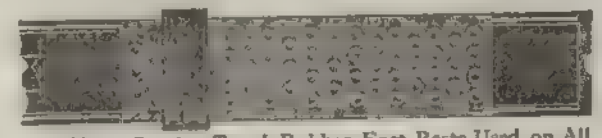
★DIAMOND BRAND

TRADE MARK REGISTERED IN THE U. S. PATENT OFFICE

Whenever the Snowfall is Sufficient to Make Good, Steady Sleighing, the Use of Skis in Work and Play is Becoming Popular, and in Those Regions Where the Snow Becomes Deep as it Does in the Mountains and Hilly Country and Occasionally on the Prairies of Dakota and Minnesota, Skis are Recognized as Necessities. More Durable than Snow Shoes and Allows the Wearer to Cover More Ground in Less Time and with Less Fatigue.

All Diamond Brand Skis are Made of Best Selected Material, Thoroughly Kiln Dried, and Free from Knots and Blemishes; Covered with Several Coats of Best Waterproof Varnish. Each Ski Provided with Suction Tread Rubber Foot Rests and Best Quality Black Harness Leather Toe Straps.

All Diamond Brand Skis are Patterned After the Latest Approved Norwegian Models.



Cut Shows Suction Tread Rubber Foot Rests Used on All Diamond Brand Skis.

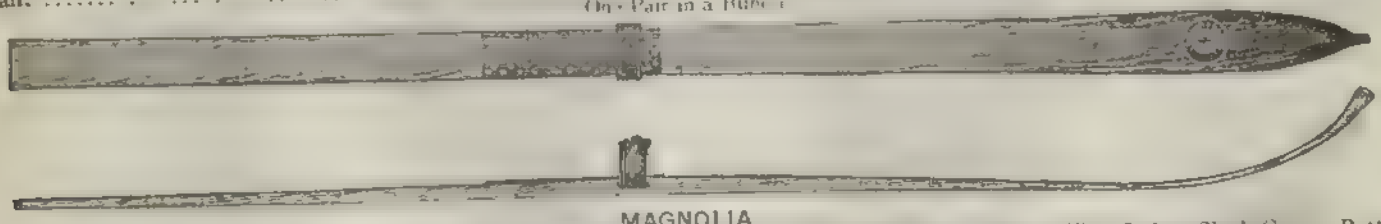
Modeled on Practical, Proven Lines Always Uniform Throughout and Will Never Lose Their Shape.

PINE

Best Quality Selected Stock Norway Pine; Natural Wood Finish with Several Coats Best Waterproof Varnish; Fancy Black Stripes; Single Groove Bottom.

	P4	P5	P6	P7	P7½
Nos	4	5	6	7	7
Length, feet	3½	4½	5½	7	9
Weight per Pair, lbs.	$2 00	3.80	4 00	5 00	5.50
Per Pair					

One Pair in a Bundle

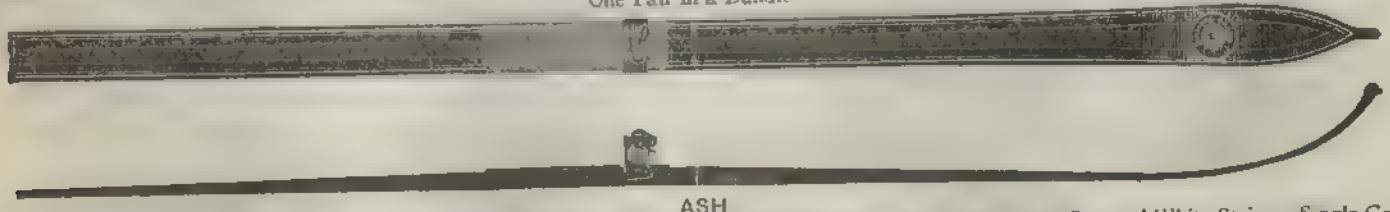


MAGNOLIA

Best Quality Selected Magnolia; Mahogany Finish, with Several Coats Best Waterproof Varnish; Fancy Grooved White Stripes; Single Groove Bottom.

	M4	M5	M6	M7	M7½
Nos	4	5	6	7	7½
Length, feet	4½	5½	6	8	10
Weight per Pair, lbs.	$3 30	5 00	6.70	8 00	10.00
Per Pair					

One Pair in a Bundle



ASH

Very Best Quality Selected Ash, the Best that Can be Obtained On the Market, Finished in Black with Fancy Grooved White Stripes; Single Groove Bottom.

	A7	A7½	A8
Nos	7	7½	8
Length, feet	11½	13	15
Weight per Pair, lbs.	$11 00	12 00	13 50
Per Pair			

One Pair in a Bundle

THE CHAMPION HICKORY

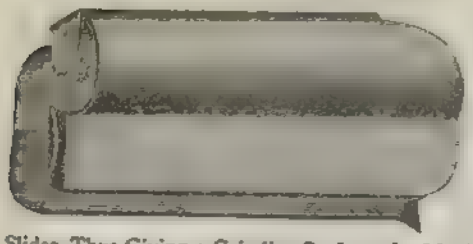
Very Best Quality Straight Grained Second Growth Hickory; Finished in Black with Fancy Grooved White Stripes, **Double** Groove Bottom. This Ski is Increased More Than Usually for a Leaping Ski, to be Used by Experts in Leaping Contests. It is Made After the Latest Norwegian Design as Used by All Professionals.

	H7	H7½	H8
Nos.	7	7½	8
Length, feet	12	14	16
Weight per Pair, lbs.	$12.00	14.50	16.00
Per Pair			

One Pair in a Bundle

SKATE SHARPENERS

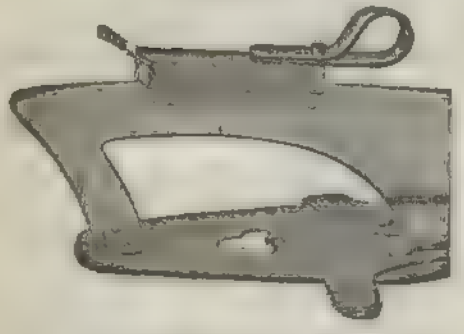
PERFECT



Bright Stamped Steel Holder Containing a Wheel Made of Oxide of Aluminum Fused with Best Turkish Emery Compressed and Vitrified at Great Heat; the Wheel is Set in the Holder at An Oblique Angle to the Guide Slides, Thus Giving a Grinding Surface of a Much Larger Wheel and Gives a Hollow Ground Runner of the Most Approved Style

Per Dozen
No. 25—Size 3x1¼x⅝ inches; Weight per Dozen, 1¾ lbs..... **$4.00**
One Dozen on an Easel Display Card

UNION



Bright Steel Spring Clamp, with Loop Handle; Oil Tempered Steel File with Four Cutting Sides.

Per Dozen
No. 26—Size of Clamp 2⅜x¾x⅜ inches; Size of File 2⅜x⅜x⅜ inch; Weight per Dozen, 1½ lbs..... **$4.50**
Twelfth Dozen in a Carton

★DIAMOND EDGE
TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE.

Uses any Common File; Joints Any Straight Edge Perfectly True. Used with a Half Round File it is Unsurpassed as An Ice Skate Sharpener.

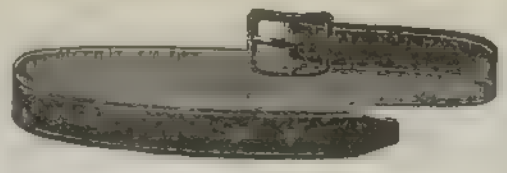
Per Dozen
No. DEJ55—With File; Black Japanned Cast Iron Frame; Length 4 inches; Height 2 inches; ⅞x5⅛ inch Flat File; Four Nickel Plated Adjusting Screws; Weight per Dozen, 12 lbs..... **$13.50**
Twelfth Dozen in a Box

BERGHMAN

Adjustable Guide Flanges will Fit Any Style Skate Blade; Abrasive Stone of Finest Quality, Cut Cylindrically to Give Hollow Ground Edge; Stone May be Rotated Giving Convex Cutting Surface at All Times; Easily Cleaned and Cheaply Replaced.

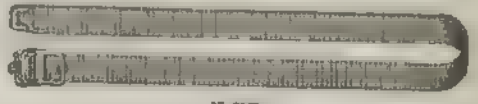
Per Dozen
No. 30—Size 3x3⅛ inches; Weight per Dozen, 6 lbs..... **$30.00**
One Dozen in a Carton, with Display Card

SKATE STRAPS



Best Selected Oak-tanned Leather, Russet Color; ⅝ inch Wide; Japanned Buckles.

Per Dozen
No. 1—Length 20 inches..... **$1 80**
No. 4—Lengths Assorted 28 to 31 inches..... **2 70**
One Dozen in a Bundle. Average Weight per Dozen, ⅝ lb.



WEB

Per Dozen Pair
No. 3—Made of the Best Woven Cotton; Yellow Color, Stamped Steel Buckle; Length 20 inches, Width ⅝ inches, Weight per Dozen, ⅝ lbs..... **$4.50**
One Dozen in a Box

SKATE KEYS

Malleable Iron; Bright Finish, Not Polished; with Hook for Cleaning Out Heel Plates; Length 3 inches.

Per Dozen
No. ISK—Weight per Dozen, ¼ lb..... **$0.90**
One Dozen in a Box

ICE CREEPERS

NEWARK

Stamped Steel; Adjustable to Any Size Heel; Four Sharp Steel Points; With ½ inch Woven Cotton Straps and Tinned Buckles.

Per Dozen Pair
No. N—Weight per Dozen Pair, 5 lbs..... **$8.40**
One Dozen Pair in a Box

STAR

Japanned Cast Iron; Four Prongs; with ½ inch Woven Cotton Straps and Tinned Buckles.

Per Dozen Pair
No. S—Weight per Dozen Pair, 2¾ lbs..... **$3.50**
One Dozen Pair in a Box

O. K.

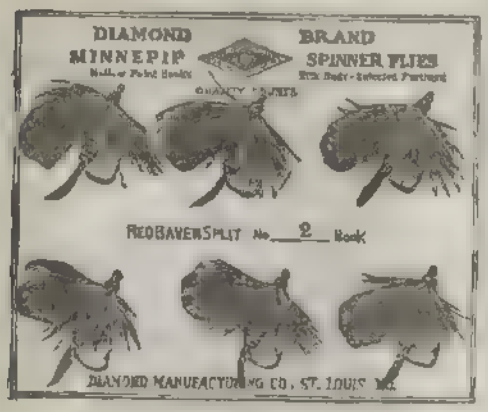
Good Quality Steel Properly Tempered, Neatly Finished, Light and Strong; Can be Easily Adjusted to Fit Several Sizes of Heels; Easily Adjusted and Quickly Removed as a Club Skate; Fishermen Find These an Excellent Creeper as They Clamp to the Heels of Rubber Boots.

Per Dozen Pair
No. O. K.—Weight per Dozen Pair, 3 lbs..... **$8.00**
One Dozen Pair in a Box

EXTRA SPINNER FLIES

*DIAMOND BRAND

NOTE—When Ordering Spinner Flies, Always Specify Pattern



These Spinner Flies are of the Highest Grade that it is Possible to Produce; They are Tied to the Best Tempered Steel Hollow Point Hooks and Tied Only by the Most Experienced Tiers and Nothing but the Very Best Material and Workmanship is Embodied in Their Construction.

Per Gross

No. MF—Highest Quality; Extra Fine Silk Body; Wings and Hackles Full Dressed with Genuine Feathers; Finest Quality Bronzed Hollow Point Kendall Sneck Hooks No. 2; Weight per Gross, 10 ozs. $33 00

Half Dozen Flies on a Card; Three Dozen Flies in a Box

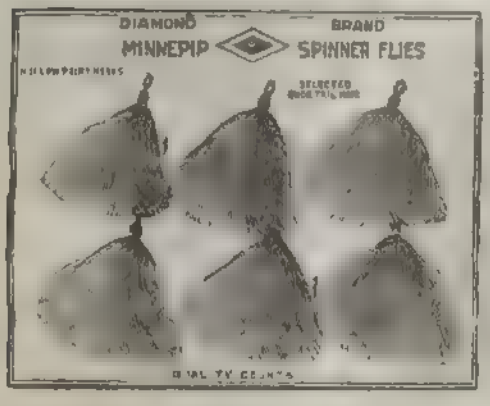
Patterns Carried in Stock

Yellow Sally	Cornell	McGinty	Professor
Babcock	Cow Dung	Montreal	Red Raven Split
Bee	Deer Fly	Ferguson Gray	Split Ibis
Black Gnat	Dusty Miller	Drake	Tipperlin
Blue Bottle	Ibis	Grizzly King	White Miller
Brown Hackle	Ibis and White	Gray Hackle	Wickham Fancy
Cahill	King of Waters	Parm Belle	Gray Drake
Colonel Fuller	Manchester	Queen of Waters	

Any Other Size of Treble Hook Tied to Order

BUCK TAIL SPINNER FLIES

*DIAMOND BRAND



Highest Quality Best Grade Buck Tail Hair; English Limerick Hooks; Bronze Finish.

Colors Carried in Stock

Brown, Red, White, Red and White Mixed, Black

Any Other Size of Treble Hook Tied to Order.

Per Gross

No. MFB—Single Hook No. 2..... $30 00

No. MFBT—Treble Hook No. 2 ..... 40 00

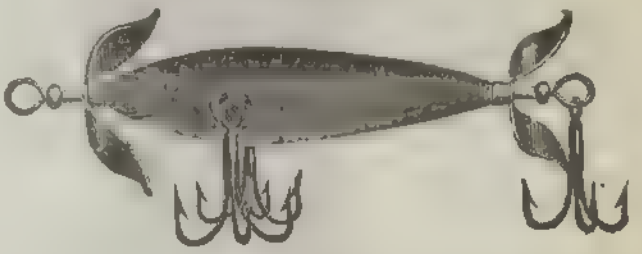
Six on a Card Three Dozen in a Box

CASTING MINNOWS

The Body Hooks on These Minnows are **Connected by Split Links,** Which Extend Through the Body and are Retained in Position by the Head Pin Which Passes Through the Body and Into the Socket Provided for the Purpose in the After Part of the Body; the Head Pin Also Acts as Line Attachment and Spinner Axle and the **Entire Minnow Can be Easily Dismembered by Unscrewing the Head Pin;** the Tail Hooks are Provided With a Detachable Treble Head Pin.

*TRIUMPH

Clear Air Dried Cedar; Shaped and Ballasted to Always Keep Minnow in Proper Position; Large Glass Eyes; Fine Propeller Shaped Spinners; Polished Nickel Both Sides; Mounted on Easy Bearings Turned from Solid Brass; Spinners Made Right and Lefts so as to Revolve in Opposite Directions, Detachable Treble Hooks.



Length of Body, 2¾ inches; Three Spear Point Treble Hooks No. 3; Weight Approximately ¾ oz.

Per Dozen

No. TM2A—Fancy Back...	$13 50
No. TM2B—Rainbow	13 50
No. TM2C—Blended White	13 50
No. TM2D—Red.....	13 50
No. TM2E—Black Mottled Back, Yellow Belly	13 50
No. TM2F—Light Green Mottled Back, White Belly.	13 50

One in a Box, One Dozen in a Carton; Weight per Dozen, 2¾ lbs.

Length of Body, 3½ inches; Five Spear Point Treble Hook No. 1; Weight Approximately, 1½ ozs.

Per Dozen

No. TM1A—Fancy Back.	$14 40
No. TM1B—Rainbow...	14 40
No. TM1C—Blended White..	14 40
No. TM1D—Red..	14 40
No. TM1E—Black Mottled Back, Yellow Belly	14 40
No. TM1F—Light Green Mottled Back, White Belly.	14.40

One in a Box; One Dozen in a Carton; Weight per Dozen, 3 lbs.

CASTING MINNOWS

*MIZZOO

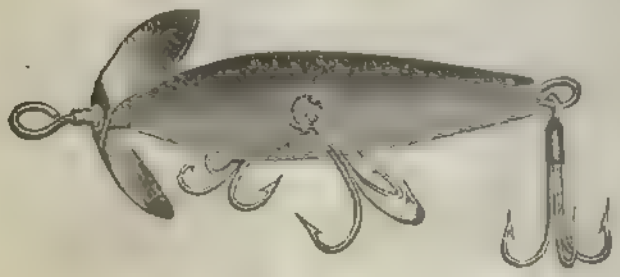
Clear Air-Dried Cedar; Shaped and Ballasted; Always Keeping Minnow in Proper Position; Fine German Silver Propeller Shaped Spinner; Polished Both Sides; Mounted on Easy Bearings Turned from Solid Brass; Detachable Treble Hooks.

The Body Hooks on These Minnows are **Connected by Split Links,** Which Extend Through the Body and are Retained in Position by the Head Pin Which Passes Through the Body and Into the Socket Provided for the Purpose in the After Part of the Body; the Head Pin Also Acts as Line Attachment and Spinner Axle and the **Entire Minnow Can be Easily Dismembered by Unscrewing the Head Pin;** the Tail Hooks are Provided with a Detachable Treble Head Pin.

Per Dozen

No. MM5—Length of Body, [illegible] inches; Five Spear Point Treble Hooks No. 1; Heavily White Enameled, with Assorted Red and Green Backs; Weight Each, Approximately 1½ ozs. **$18.50**

One in a Box; One Dozen in a Carton



NOTE—We Will Not Sell Less Than One Dozen No. MM Minnows.

Per Dozen

No. MM—Length of Body 2½ inches; Three Spear Treble Point Hooks No. 1; Heavily White Enameled; with Assorted Red and Green Backs; Weight Each, Approximately ¾ oz **$5 50**

One Dozen on a Card, 6 with Red Backs and 6 with Green Backs in a Box

BUYING SHOULD BE GIVEN JUST AS MUCH ATTENTION AS SELLING, AND MAIL ORDERS ARE A WONDERFUL HELP TO THE BUYER IN KEEPING UP STOCK.

CASTING MINNOWS

DOWAGIAC

Bodies Made of Select Cedar; Covered with Nine Coats of Waterproof Enamel; Nickel Plated Hooks; the Patented Method of Attaching the Hooks Enables the Fisherman to Detach Them (if Broken Through Accident); the Hook Sockets Always Hold the Hooks Outwardly so That the Points are Always Presented to the Fish; Hooks Cannot Become Entangled or Mar the Enamel on the Body; Large Glass Eyes; Correctly Weighted so They Will Always Float in An Upright Position; No Swivels Necessary, as Bodies Will Not Revolve; Spinners Revolve in Opposite Direction.

Length of Body, 2¾ inches; Three Spear Point Treble Hooks No. 2; Weight Approximately 14 dwts.; Two Nickel Plated Brass Spinners; Sinks Readily.

		Per Dozen
No. 100—Fancy Back	$15 20	11.40
No. 101—Rainbow	15 20	11 40
No. 102—White	15 20	11 40
No. 104—Red	15 20	11.40
No. 107—Fancy Sienna Yellow	15 20	11 40
No. 109—Silver White	15 20	11 40
No. 109A—Yellow Perch	15 20	11 40
No. 109B Frog Back [illegible] Spots	15 20	11 40
No 109D [illegible]	16 00	12 00
No 109H [illegible]	16 00	12 00
No. 109J [illegible]	16 00	12 00
No. 109K [illegible]	16 00	12.00
No. 109L—Scale Finish Yellow Perch	16 00	12 00
No. 109P—Natural Perch, Scale Finish	16 00	12 00

One in a Wood Box; One Dozen in a Carton; Weight, 2¾ lbs.

Length of Body, 3¾ inches; Five Spear Point Treble Hooks No. 1; Weight Approximately 18 dwts.; Two Nickel Plated Brass Spinners; Sinks Slowly.

		Per Dozen
No. 150—Fancy Back	$16 00	12.00
No. 151—Rainbow	16 00	12 00
No 152 White	16 00	12 00
No 154 Perch	16 00	12 00
No. 157—Fancy Sienna Yellow	16 00	12.00
No. 159—Silver White	16 00	12 00
No. 159A—Yellow Perch	16 00	12 00
No. 159B—**Frog Back;** Green with Black Spots	16 00	12 00
No. 159D—Green Scale Finish	16 00	12 00
No. 159H—Red Scale Finish	16 00	12 00
No. 159J—Green and Yellow Scale	16 00	12 00
No. 159K—Scale Finish Gold Fish	16 00	12 00
No. 159L—Scale Finish Yellow Perch	16 00	12 00
No. 159P—Natural Perch, Scale Finish	16 00	12.00

One in a Wood Box; One Dozen in a Carton; Weight, 3 lbs.

Length of Body, 4 inches; No. 4/0 Bright Treble Belly Hook and No. 1/0 Bright Treble Tail Hook; Weight Approximately 18 dwts.; Two Nickel Plated Brass Spinners; Floats on Surface.

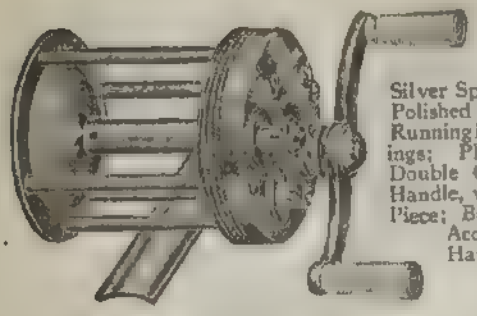
		Per Dozen
No. 300—Fancy Back, White Belly	$16 00	12 00
No. 301—Rainbow	16 00	12 00
No. 302 [illegible] White, Silver Colored Body	16 00	12 00
No. 300S—**Special;** White Body with Green and Red Spotted Effect, Two Bright Treble Belly Hooks, Otherwise Same as Above Numbers	16 00	12 00

One in a Wood Box, One Dozen in a Carton; Weight, 3 lbs.

FISHING REELS

★DIAMOND BRAND

★ULTRA CASTING



Highest Quality; German Silver Frame; German Silver Spool with Hardened and Polished Brass Shaft; Steel Axles Running in Phosphor Bronze Bearings; Phosphor Bronze Gear; Double German Silver Balance Handle, with Celluloid Thumb Piece; Back Sliding Steel Click; Accurately Milled and Handsomely Knurled.

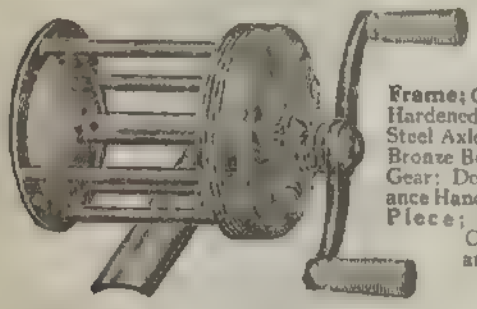
Capacity, 60 yards; Diameter of Plates, 2 inches; Length of Spool, 1⅜ inches.

Per Dozen

No. UCJ—Quadruple Action; With Agate Jeweled End Bearing Oil Caps; Actual Weight Each, 7 ozs.; Shipping Weight per Dozen, 9 lbs. **$168 00**

Twelfth Dozen in a Box

★ULTRA CASTING



Highest Quality, German Silver Frame; German Silver Spool with Hardened and Polished Brass Shaft; Steel Axles Running in Phosphor Bronze Bearings; Phosphor Bronze Gear; Double German Silver Balance Handle, with Celluloid Thumb Piece; Back Sliding Steel Click; Accurately Milled and Handsomely Knurled.

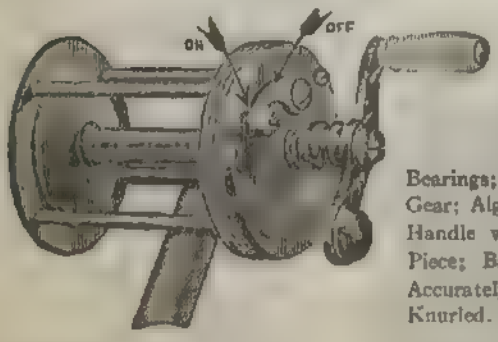
Capacity, 60 yards; Diameter of Plates, 2 inches; Length of Spool, 1⅜ inches.

Per Dozen

No. UC—Quadruple Action; With Plain German Silver End Bearing Oil Caps; Actual Weight Each, 7 ozs.; Shipping Weight per Dozen, 9 lbs. $150.00

Twelfth Dozen in a Box

★ST. LOUIS FREE SPOOL



Highest Quality, Algerian Silver Frame; Spool and Shaft; Steel Axles Running in Hardened Brass Bearings; Phosphor Bronze Gear; Algerian Silver Balance Handle with Celluloid Thumb Piece; Back Sliding Steel Click; Accurately Milled and Nicely Knurled.

Capacity, 60 yards; Diameter of Plates, 2 inches; Length of Spool, 1⅜ inches.

Per Dozen

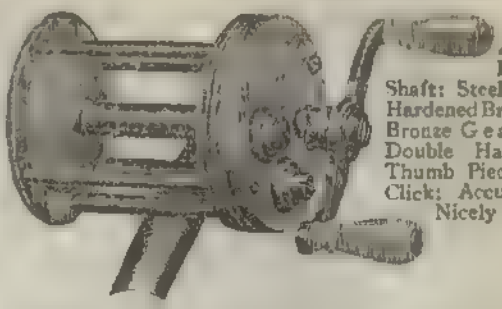
No. SLF60—Quadruple Action; With Agate Jeweled End Bearing Oil Caps; Actual Weight Each, 7 ozs.; Shipping Weight per Dozen, 7½ lbs. **$138.00**

Twelfth Dozen in a Box

FISHING REELS

★DIAMOND BRAND

★ST. LOUIS CASTING



Highest Quality Algerian Silver Frame, Spool and Shaft; Steel Axles Running in Hardened Brass Bearings; Phosphor Bronze Gear; Algerian Silver Double Handle with Celluloid Thumb Piece; Back Sliding Steel Click; Accurately Milled and Nicely Knurled.

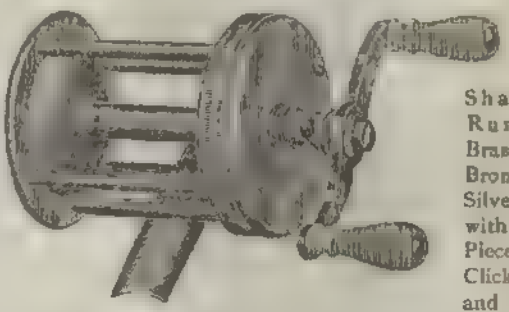
Capacity, 60 yards; Diameter of Plates, 2 inches; Length of Spool, 1⅜ inches.

Per Dozen

No. JSL60—Quadruple Action; With Agate Jeweled End Bearing Oil Caps; Actual Weight Each, 7 ozs.; Shipping Weight per Dozen, 7½ lbs. **$132.00**

Twelfth Dozen in a Box

★ST. LOUIS CASTING



Highest Quality Algerian Silver Frame, Spool and Shaft; Steel Axles Running in Hardened Brass Bearings; Phosphor Bronze Gear; Algerian Silver Double Handle with Celluloid Thumb Piece; Back Sliding Steel Click; Accurately Milled and Nicely Knurled.

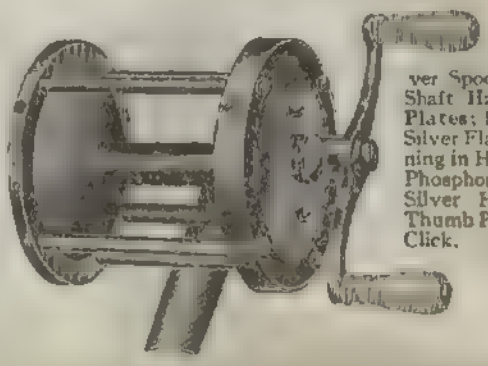
Capacity, 60 yards; Diameter of Plates, 2 inches; Length of Spool, 1⅜ inches.

Per Dozen

No. SL60—Quadruple Action; With Plain Algerian Silver End Bearing Oil Caps; Actual Weight Each, 8 ozs.; Shipping Weight per Dozen, 7¼ lbs. **$108 00**

Twelfth Dozen in a Box

★HIAWATHA CASTING



Highest Quality German Silver Frame; German Silver Spool with Hardened Brass Shaft Hard Black Rubber Slide Plates; Reinforced with German Silver Flanges; Steel Axles Running in Hardened Brass Bearings; Phosphor Bronze Gear; German Silver Handle with Celluloid Thumb Piece; Back Sliding Steel Click.

Capacity, 80 yards; Diameter of Plates, 2¼ inches; Length of Spool, 1⅞ inches.

Per Dozen

No. HS0—Quadruple Action; With Plain German End Bearing Oil Caps; Actual Weight Each, 6 ozs.; Shipping Weight per Dozen, 6 lbs. **$126.00**

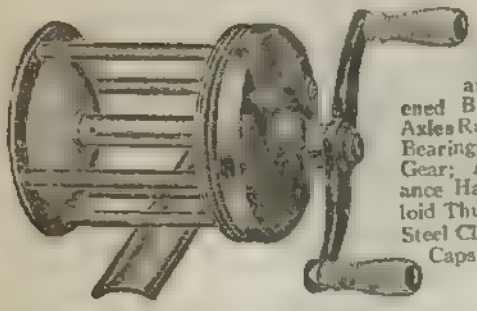
Twelfth Dozen in a Box

FISHING REELS

★DIAMOND BRAND

TRADE MARK REGISTERED ◆ IN THE U. S. PAT. OFFICE

★MAYFAIR CASTING



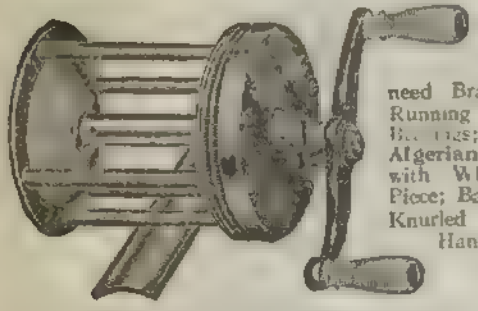
Algerian Silver Finish; Highest Quality **Algerian Silver** Frame and Spool with Hardened **Brass Shaft**; **Steel Axles** Running in Hardened Brass Bearings; **Phosphor Bronze Gear**; **Algerian Silver Balance Handle** with White Celluloid Thumb Piece; Back Sliding Steel Click; Knurled Disc; Oil Caps and Handle Hub.

Capacity, 60 yards; Diameter of Plates, 2 inches; Lentgh of Spool 1⅜ inches.

Per Dozen

No. MFJ60—Quadruple Action; With Large Ruby Jeweled End Bearing Oil Caps; Actual Weight Each, 7 ozs., Shipping Weight per Dozen, 6½ lbs. **$120 00**

Twelfth Dozen in a Box



Algerian Silver Finish Highest Quality **Algerian Silver** Frame and Spool with Hardneed Brass Shaft; Steel Axles Running in Hardened Brass Bearings; Phosphor Bronze Gear; **Algerian Silver** Balance Handle with White Celluloid Thumb Piece; Back Sliding Steel Click; Knurled Disc; Oil Caps and Handle Hub.

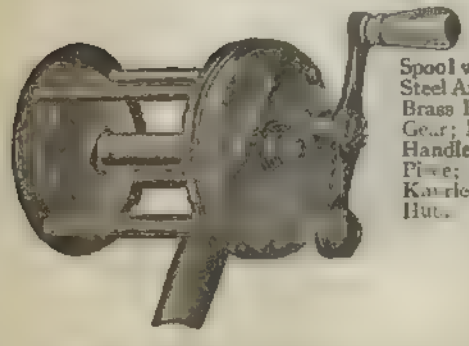
Capacity, 60 yards; Diameter of Plates, 2 inches; Length of Spool, 1⅝ inches.

Per Dozen

No. MF60—Quadruple Action; With Plain Brass End Bearing Oil Caps; Actual Weight Each, 7 ozs.; Shipping Weight per Dozen, 7½ lbs. **$90.00**

Twelfth Dozen in a Box

★BRONZBAS



Heavy Spun Brass; Trimmed German Silver Spool with Hardened Brass Shaft; Steel Axles Running in Hardened Brass Bearings; Phosphor Bronze Gear; Bronzed **Brass Balance Handle with Celluloid Thumb Piece**; Back Sliding Steel Click; Knurled Oil Cups and Handle Hub.

Capacity, 80 yards; Diameter of Plates, 2 inches; Length of Spool, 1⅝ inches.

Per Dozen

No. BB80—Quadruple Action; with Agate Jeweled End Bearing Oil Caps; Actual Weight Each, 6 ozs.; Shipping Weight per Dozen, 6½ lbs **$108 00**

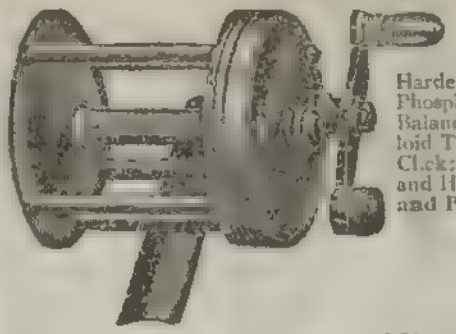
Twelfth Dozen in a Box

FISHING REELS

★DIAMOND BRAND

TRADE MARK REGISTERED ◆ IN THE U. S. PAT. OFFICE

★WINASIGO CASTING



Heavy **Brass Frame**; Brass Spool and Shaft; Steel Axles Running in; Hardened **Brass Bearings**; Phosphor Bronze **Gear**; **Brass** Balance Handle with White Celluloid Thumb Piece; Back Sliding Click; Knurled Discs, Oil Caps and Handle Hub; **Nickel Plated and Polished.**

Capacity, 80 yards; Diameter of Plates, 2 inches; Length of Spool, 1⅝ inches.

Per Dozen

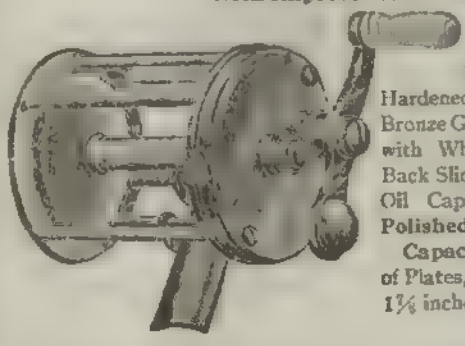
No. WJ80—Quadruple Action; With Agate Jeweled End Bearing Oil Caps; Actual Weight Each, 7 ozs.; Shipping Weight per Dozen, 6¾ lbs. **$78.00**

No. W60—Quadruple Action; With Plain Brass End Bearing Oil Caps; Actual Weight Each 7 ozs.; Shipping Weight per Dozen, 6¾ lbs **60.00**

Twelfth Dozen in a Box

★MARJAC CASTING

With Improved Line Guide



Heavy **Brass Frame**; Brass Spool and Shaft; **Steel Axles Running in** Hardened Brass Bearings; Phosphor Bronze Gear; Brass Balance Handle with White Bone Thumb Piece; Back Sliding Steel Click; Knurled Oil Caps; **Nickel Plated and Polished.**

Capacity, 80 yards; Diameter of Plates, 2 inches; Length of Spool 1⅝ inches.

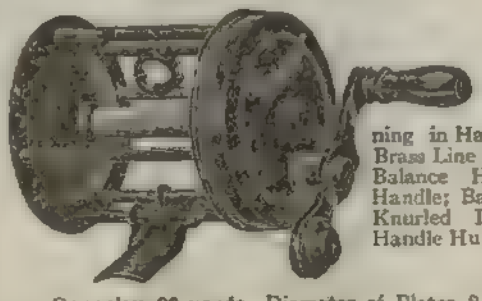
Per Dozen

No. MJ80—Quadruple Action; with Large Ruby Jeweled End Bearing Oil Caps; Actual Weight Each, 7 ozs.; Shipping Weight per Dozen, 7½ lbs. **$72.00**

No. M80—Quadruple Action; with Plain Brass End Bearing Oil Caps; Actual Weight Each, 7 ozs.; Shipping Weight per Dozen, 7½ lbs. **60.00**

Twelfth Dozen in a Box

★BASPIK



Heavy Brass Frame; Black, Brass Spool and Shaft, Steel Axles Running in Hardened Brass Bearings; Brass Line Guide; Steel Gear; Brass Balance Handle with Celluloid Handle; Back Sliding Steel Click; Knurled Discs; Oil Caps and Handle Hub.

Capacity, 80 yards; Diameter of Plates, 2 inches; Length of Spool, 1⅝ inches.

Per Dozen

No. BP80—Quadruple Action; with Ruby Jeweled End Bearing Oil Caps; Actual Weight Each, 6 ozs.; Shipping Weight per Dozen, 6 lbs. **$90.00**

Twelfth Dozen in a Box

HUNTING KNIVES

*DIAMOND EDGE

Per Dozen

No. 4—Scored Ebony Handle; Full Scale Tang; White Metal Hilt or Guard; Finest Quality English Crucible Steel Blade, Length, 6 inches; Glazed and Etched; Full Crocus Polished Fancy Swaged Back; Without Sheath. Weight per Dozen, 2¾ lbs. **$20 00**

Half Dozen in a Box

Per Dozen

No. DE28—Stag Handle; Full Scale Tang; White Metal Guard; Finest Quality English Crucible Steel Blade; Length, 5 inches; Glazed and Etched; Length Over All, 9 inches; Weight per Dozen, 3 lbs.; Complete with Russet Leather Sheath..... **$45 00**

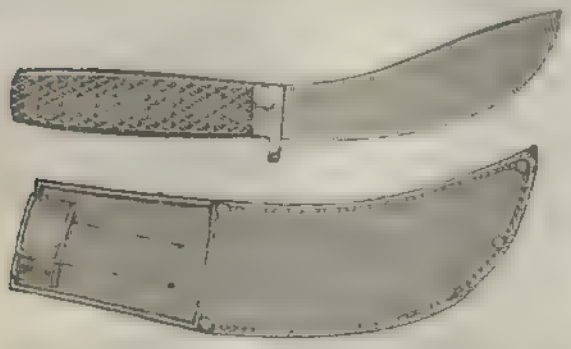
Half Dozen in a Box

*SHAPLEIGH'S HERO Per Dozen

No. SH6—Scored Ebony Handle; Full Scale Tang; White Metal Hilt or Guard; Swaged Back Hunting Blade; Length, 6 inches. Glazed Finish; Without Sheath; Weight per Dozen, 3½ lbs. **$11 00**

Half Dozen in a Box

J. RUSSELL & CO.



Full Scale Tang; Polished Blade; White Metal Hilt on Guard. This Knife is Made for All Purposes, Skinning, Sticking or a Cleaning Knife

Per Dozen

No. S5812—Checkered Cocobolo Handle; Blade, 4½ inches, Handle, 4½ inches. Weight per Dozen, 5½ lbs.; Complete with Russet Leather Sheath..... **$24 00**

Half Dozen in a Box

Per Dozen

No. R6—Lock Back; Sawed Bone Handles, Stained Red; Polished Iron Bolsters; 4 inch Glazed Clip Blade with Saw Back to Scale Rasp; Length Over All, 9 inches. Hole in Handle for String. Weight per Dozen, 3½ lbs. **$27 50**

Half Dozen in a Box

HUNTING KNIVES

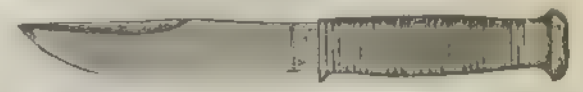
MARBLE

It Has the Weight and Strength as Well as the Sharp Penetrating Point Necessary for Sticking; the Curved Blade is Just the Right Shape for Rapid Skinning; the Back of Blade Close to Handle is Checkered to Give a Firm Grip with Thumb or Finger; the Back of Point is Beveled for Chopping, Breaking Bones, Etc.; the Thick Back, with Tapering Bevel Blade, Carries the Strength from Handle to Point, Allowing it to Serve the Purpose of a Thin Blade, and Yet it Has a Surplus of Strength Ordinarily Found Only in Much Heavier Knives.

Per Dozen

No. 50—Genuine Stag Handle; Blade, 4½ inches; Handle, 3¾ inches; Weight Each, 6 ozs.; Complete with Russet Leather Sheath. **$61.00**

Half Dozen in a Box



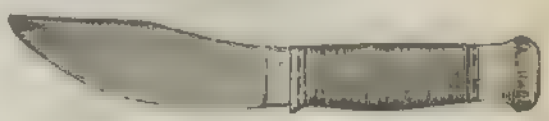
These Knives were Particularly Designed to Meet the Requirements of the Professional Hunter, Trapper and Guide Who Requires a Thin, Keen Edge for Dressing Skins and Furs. The Back of the Blade is Designed for Scraping Skins While on the Forms.

Per Dozen

No. 545—Leather Handle; Aluminum Tip; Blade, 5 inches, Handle, 3¾ inches; Weight Each, 5 ozs.; Complete with Russet Sheath.. **$49 50**

Half Dozen in a Box

WOODCRAFT



The Great Advantage of this Knife is That it is Designed for All Purposes; Some Knives are Adapted for Sticking But are Not Much Good for Skinning or Cleaning; Some are Adapted for Skinning or Cleaning But are Not Satisfactory for Sticking.

It Has the Weight and Strength as Well as the Sharp Penetrating Point Necessary for Sticking; the Curved Blade is Just the Right Shape for Rapid Skinning; the Back of Blade Close to Handle is Checkered to Give a Firm Grip with Thumb or Finger; the Back of Point is Beveled for Chopping, Breaking Bones, Etc.; the Thick Back, with Tapering Bevel Blade, Carries the Strength from Handle to Point, Allowing it to Serve the Purpose of a Thin Blade, and Yet it Has a Surplus of Strength Ordinarily Found Only in Much Heavier Knives.

The 4¾ inch Blade is the Length Desired by Most Experienced Hunters; Handy to Carry and Handle, With No Superflous Weight to Tire the Hand or Inconvenience the Worker When Cleaning Inside An Animal.

Per Dozen

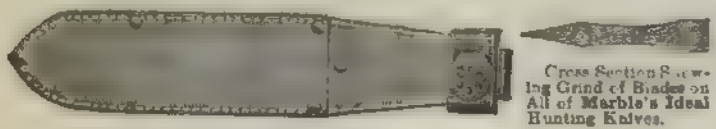
No. 40—Laminated Leather Handle; Blade, 4½ inches; Handle, 3¾ inches; Weight each, 5 ozs.; Complete with Russet Leather Sheath..... **$44.55**

Half Dozen in a Box

HUNTING KNIVES

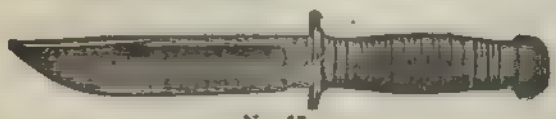
MARBLE

Ideal Solid Pattern; Adapted to Sticking and Skinning: Blade and Tang in One Piece, the Tang Extending Through the Handle. The Handle Parts are All a Driving Fit on the Tang and are Held Together by a ½ inch Brass Nut Countersunk into the End of the Tip. The Nut Engages with the Threaded End of Tang. **Finest Quality Cutlery Steel Blades, Glazed, Concaved and with Extra Heavy Oval Points for Chopping Bones, Etc.**



Cross Section Showing Grind of Blades on All of Marble's Ideal Hunting Knives.

Illustration Shows Style of Sheath Furnished with Knives Nos. 45 and 46



No. 45

Sole Leather Washer Handle; Trimmings of Brass and Colored Hard Fiber Washers; Brass Hilt; Lignum-vitae Tip; Complete with Orange Leather Sheath.

Blade, inches	5	6
Weight Each, ozs.	6	7
Per Dozen	$56 65	59 40

Half Dozen in a Box

No. 46

Genuine Stag Handle; Trimmings of Brass and Colored Hard Fiber Washers; Brass Hilt; Natural Stag Tip; Complete with Orange Leather Sheath.

Blade, inches	5	6
Weight Each, ozs.	7	8
Per Dozen	$69.30	74.25

Half Dozen in a Box

Cut Shows Style of Sheath Furnished with Knives Nos. 41, 42, 51, 52.

No. 41

Sole Leather Washer Handle; Trimmings of Brass and Colored Hard Fiber Washers; Brass Bolster; Lignum-vitae Tip; Complete with Orange Leather Sheath.

Blade, inches	5	6
Weight Each ozs.	5	7
Per Dozen	$56 65	59.40

Half Dozen in a Box

No. 42

Genuine Stag Handle; Trimmings of Brass and Colored Hard Fiber Washers; Brass Bolster; Natural Stag Tip; Complete with Orange Leather Sheath

Blade, inches	5	6
Weight Each, ozs.	6	7
Per Dozen	$69.30	74.25

Half Dozen in a Box

IDEAL CANOE

Length of Blade, 4½ inches; Length of Handle, 3¼ inches; Trimmings of Brass and Colored Hard Fiber Washers; Brass Bolster; Weight Each, 5 ozs.; Complete with Orange Leather Sheath.

	Per Dozen
No. 51—Leather Handle; Lignum-vitae Tip	$49 50
No. 52—Genuine Stag Handle; Natural Stag Tip	64.35

Half Dozen in a Box

FISHERMENS KNIVES

Per Dozen

No. 2—Checkered Cocobolo Handle; Full Scale Tang; Polished Steel Lapped Bolster; Fine Grade American Steel Blade; Length, 4¼ inches; Glazed; Saw Back for Scaling and Concaved Sharp Ground Back at Point for Ripping; Handle Has Hole in End for String; Without Sheath; Weight per Dozen, 2½ lbs. **$9.00**

Half Dozen in a Box

Per Dozen

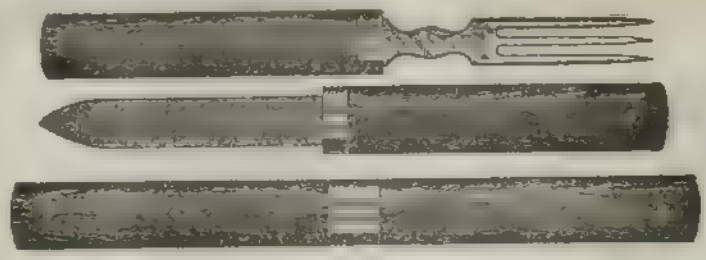
No. B4—Beechwood Handle; Full Scale Tang; Fine Grade American Steel Blade; Length of Blade, 5 inches; Glazed Finish; Saw Back for Scaling and Concaved Sharp Ground Back at Point for Ripping; Weight per Dozen, 2¾ lbs. **$8.70**

Half Dozen in a Box

CAMPERS OUTFITS

COMPANION OUTFITS

Suitable for Automobile Trips, Lunch Sets, Hunting, Fishing, Picnic and Camping Purpose.



KNIFE AND FORK

Slots in Handles of Knife and Fork Permit Knife Blade to be Inserted into Fork Handle and Fork into Knife Handle, Making a Small Compact Article Measuring Only 8x¾ inches.

Per Dozen

No. 150—Knife and Fork Made of High Quality Steel, 5 7/8 inch Nickel Plated Fork, 7¼ inches Long; 7½ inch Extra Keen Edged Knife; Cocobolo Handles. Weight per Dozen Pair 1¾ lbs. **$10 50**

Half Dozen in a Box

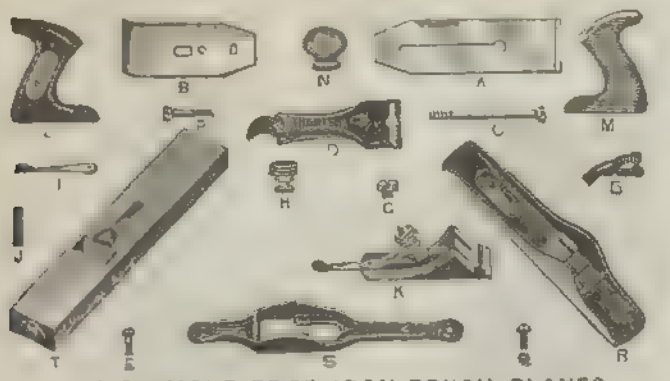
THE SHAPLEIGH MAIL ORDER DEPARTMENT IS AS PERFECT AN ORGANIZATION AS IS POSSIBLE TO OBTAIN FROM THE HUMAN UNIT. IT IS SEASONED BY TIME—AS ALL EFFICIENT ORGANIZATIONS MUST BE—IN THIS CASE MORE THAN THREE-QUARTERS OF A CENTURY.

THE VOLUME OF ORDERS COMING IN BY MAIL FROM OUR CUSTOMERS IS SUFFICIENTLY LARGE TO ENABLE US TO EMPLOY EVERY TIME AND LABOR-SAVING METHOD WORTH WHILE.

EXPERT SPORTING GOODS MEN SOLVE ANY PROBLEMS ENVOLVED IN INQUIRIES AND ORDERS. YOUR WANTS ARE SATISFACTORILY SUPPLIED WHEN THE ORDER IS SENT TO SHAPLEIGHS.

PLANE PARTS

When Ordering, Always Give Kind and Number of Plane for Which Part is Wanted, as Well as the Figure Number of the Part Wanted. Ten Cents will be the Minimum Charge for Any Part Sent by Mail.



FOR DIAMOND EDGE IRON BENCH PLANES

SINGLE PLANE IRON (A)

For Planes	DE3	DE4	DE4½	DE5
Each	$0 55	.60	.75	.60
	90	95	1.20	95
For Planes	**DE5½**	**DE6**	**DE7**	**DE8**
Each	**$0.70**	**.75**	**.75**	**.80**
	1.10	**1.20**	**1.20**	**1 30**

TOP PLANE IRON (B)

For Planes	÷DE3	÷DE4	÷DE4½	÷DE5
Each	$0 35	.35	.45	.35
	55	55	70	55
For Planes	÷DE5½	÷DE6	÷DE7	÷DE8
Each	$0.40	.45	.45	.50
	65	70	70	.80

PLANE IRON SCREW (C)

For Planes	DE3	DE4	÷DE4½	DE5
Each	$0.10	.10	.10	.10
	.15	.15	.15	.15
For Planes	÷DE5½	÷DE6	÷DE7	DE8
Each	$0.10	.10	.10	.10
	.15	.15	.15	.15

CAP (D)

For Planes	DE3	DE4	DE4½	DE5
Each	$0.50	.50	.50	.50
	.80	.80	.80	.80
For Planes	DE5½	DE6	DE7	DE8
Each	$0 50	.50	.50	.50
	.80	.80	.80	.80

CAP SCREW (E)

For Planes	÷DE3	÷DE4	÷DE4½	÷DE5
Each	$0 10	.10	.10	.10
	.15	.15	.15	.15
For Planes	÷DE5½	÷DE6	÷DE7	÷DE8
Each	$0.10	.10	.10	.10
	.15	.15	.15	.15

Y ADJUSTMENT (G)

For Planes	÷DE3	÷DE4	÷DE4½	÷DE5
Each	$0 10	.10	.10	.10
	.15	.15	.15	.15
For Planes	÷DE5½	÷DE6	÷DE7	DE8
Each	$0 10	.10	.10	.10
	.15	.15	.15	.15

BRASS ADJUSTING NUT (H)

For Planes	÷DE3	÷DE4	÷DE4½	÷DE5
Each	$0.20	.20	.20	.20
	.30	.30	.30	.30
For Planes	÷DE5½	÷DE6	÷DE7	DE8
Each	$0 20	.20	.20	.20
	.30	.30	.30	.30

LEVER ONLY (I)

For Planes	÷DE3	÷DE4	÷DE4½	÷DE5
Each	$0.20	.20	.20	.20
	.30	.30	.30	.30
For Planes	÷DE5½	÷DE6	÷DE7	÷DE8
Each	$0.20	.20	.20	.20
	.30	.30	.30	.30

FOR DIAMOND EDGE IRON BENCH PLANES

FROG SCREW (J)

For Planes	÷DE3	÷DE4	÷DE4½	÷DE5
Each	$0.10	.10	.10	.10
	.15	.15	.15	.15
For Planes	÷DE5½	÷DE6	÷DE7	÷DE8
Each	$0.10	.10	.10	.10
	.15	.15	.15	.15

FROG COMPLETE (K)

For Planes	DE3	DE4	÷DE4½	÷DE5
Each	$0 70	.70	.70	.70
	1 10	1.10	1 10	1.10
For Planes	**÷DE5½**	**DE6**	**DE7**	**÷DE8**
Each	**$0.70**	**.70**	**.70**	**.70**
	1 10	**1 10**	**1.10**	**1 10**

HANDLES (L)

For Prices See Page 126

KNOB (N)

For Planes	÷DE3	÷DE4	÷DE4½	DE5
Each	$0 30	.30	.30	.30
	.50	.50	.50	.50
For Planes	**÷DE5½**	**÷DE6**	**÷DE7**	**÷DE8**
Each	**$0.30**	**.30**	**.30**	**.30**
	.50	**.50**	**.50**	**.50**

HANDLE BOLT (O)

For Planes	DE3	DE4	DE4½	DE5
Each	$0 20	.20	.20	.20
	.30	.30	.30	.30
For Planes	DE5½	DE6	DE7	DE8
Each	$0 20	.20	.20	.20
	.30	.30	.30	.30

KNOB BOLT (P)

For Planes	÷DE3	÷DE4	÷DE4½	÷DE5
Each	$0.20	.20	.20	.20
	.30	.30	.30	.30
For Planes	**÷DE5½**	**÷DE6**	**÷DE7**	**÷DE8**
Each	**$0.20**	**.20**	**.20**	**.20**
	.30	**.30**	**.30**	**.30**

HANDLE SCREW (Q)

For Planes			÷DE4½	DE5
Each			.10	.10
			$0 15	.15
For Planes	**DE5½**	**DE6**	**÷DE7**	**÷DE8**
Each	**$0 10**	**.10**	**.10**	**.10**
	.15	**.15**	**.15**	**.15**

IRON PLANE BOTTOM (R)

For Planes	DE3	DE4	÷DE4½	÷DE5
Each	$2 00	2.00	2.40	2.40
	3 20	3 20	3.90	3.90
For Planes	**÷DE5½**	**÷DE6**	**÷DE7**	**÷DE8**
Each	**$2 40**	**3 30**	**4 70**	**5.70**
	3.90	**5 30**	**7.60**	**9.20**

FOR DIAMOND EDGE WOOD BOTTOM BENCH PLANES

TOP CASTING (S)

For Planes	DE22	DE24	DE35	DE26
Each	$0 40	.40	.40	.40
	.65	.65	.65	.65
For Planes	DE27½	DE28	DE31	DE32
Each	$0 40	.40	.40	.40
	.65	.65	.65	.65

WOOD BOTTOM (T)

For Planes	DE22	DE24	DE35	DE26
Each	$0 80	.80	.80	1 00
	1 30	1 30	1 30	1 60
For Planes	DE27½	DE28	DE31	DE32
Each	$1 00	1 40	1 60	1 70
	1 60	2.30	2 60	2 80

HANDLE (M)

For Planes	DE25	DE35	DE26	DE27½
Each	$0 20	.20	.20	.20
	.30	.30	.30	.30
For Planes		DE28	DE31	DE32
Each		$0 20	.20	.20
		.30	.30	.30

Items Marked ÷ Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory, New Britain, Conn.

PLANE PARTS

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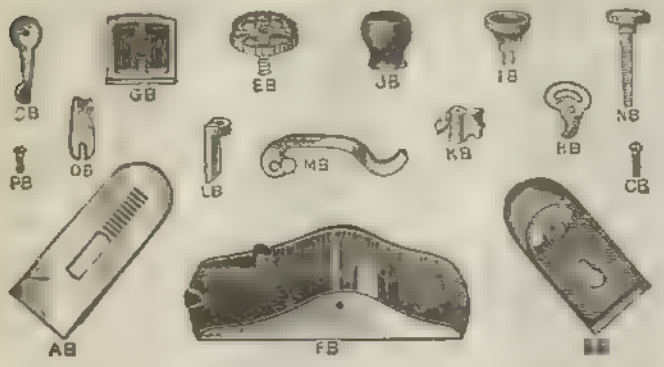
Ten Cents will be the Minimum Charge for Any Part Sent by Mail.



FOR DIAMOND EDGE BLOCK PLANES

PLANE IRON (AB)

For Planes	DE9½	DE15	DE X16	DE18	DE X60
Each	$0.42	.42	.42	.42	.42
	.70	.70	.70	.70	.70

For Planes	DE X65	DE X220	DE110	DE X130
Each	$0.42	.42	.32	.32
	.70	.70	.70	.70

For Planes	DE120	DE103	DE100	DE101
Each	$0.42	.21	.13	.13
	.70	.35	.20	.20

CAP ONLY (BB)

For Planes	DE9½	DE15	✣DE X16	DE X18	DE X60
Each	$0.20	.20	.30	.40	.30
	.30	.30	.50	.65	.50

For Planes	DE X65	DE X220	DE110	DE X130
Each	$0.40	.20	.10	.20
	.65	.30	.15	.30

For Planes	DE120	DE103	✣DE100	✣DE X101
Each	$0.20	.20	.10	.10
	.30	.30	.15	.15

CAP SCREW (CB)

For Planes	✣DE9½	✣DE15	✣DE X16	✣DE X18
Each	$0.10	.10	.10	.10
	.15	.15	.15	.15

For Planes	✣DE X60	✣DE X65	✣DE X220
Each	$0.10	.10	.10
	.15	.15	.15

ADJUSTING NUT (EB)

For Planes	✣DE9½	✣DE15	✣DE X16	✣DE X18
Each	$0.20	.20	.20	.20
	.30	.30	.30	.30

For Planes	✣DE X60	✣DE X65	✣DE X220
Each	$0.20	.20	.20
	.30	.30	.30

FOR DIAMOND EDGE BLOCK PLANES

BOTTOM (FB)

For Planes	✣DE9½	✣DE15	✣DE X16	✣DE X18	✣DE X60
Each	$1.40	1.50	1.50	1.50	1.20
	2.30	2.40	2.40	2.40	2.00

For Planes	✣DE X65	✣DE X220	✣DE110	✣DE X130
Each	$1.50	.60	.50	.70
	2.40	.95	.80	1.10

For Planes	✣DE120	✣DE103	✣DE100	✣DE101
Each	$0.60	.40	.20	.20
	.95	.65	.30	.30

ECCENTRIC PLATE (IB)

For Planes	✣DE9½	✣DE15	✣DE X16	✣DE X18	✣DE X60	✣DE X65
Each	$0.20	.20	.20	.20	.20	.20
	.30	.30	.30	.30	.30	.30

IRON KNOB (IB)

For Planes	✣DE9½	✣DE15	✣DE X16	✣DE X18	✣DE X60	✣DE X65
Each	$0.20	.20	.20	.20	.20	.20
	.30	.30	.30	.30	.30	.30

WOOD KNOB (JB)

For Planes	✣DE X220	✣DE110	✣DE X130
Each	$0.30	.20	.20
	.50	.30	.30

ADJUSTING FROG (KB)

For Planes	✣DE X220
Each	$0.20
	.30

ADJUSTING FROG (LB)

For Planes	✣DE X60	✣DE X65
Each	$0.20	.20
	.30	.30

LATERAL LEVER (MB)

For Planes	✣DE9½	✣DE15	✣DEX16	✣DEX18
Each	$0.20	.20	.20	.20
	.30	.30	.30	.30

ADJUSTING SCREW (NB)

For Planes	✣DE9½	✣DE15	✣DE X16	✣DE X18
Each	$0.20	.20	.20	.20
	.30	.30	.30	.30

For Planes	✣DE X60	✣DE X65	✣DE X220
Each	$0.20	.20	.20
	.30	.30	.30

ADJUSTMENT DOG (OB)

For Planes	✣DE9½	✣DE15	✣DE X16	✣DE X18
Each	$0.10	.10	.10	.10
	.15	.15	.15	.15

LEVER SCREW (PB)

For Planes	✣DE9½	✣DE15	✣DEX16
Each	$0.10	.10	.10
	.15	.15	.15

For Planes	✣DE X18	DE X60	✣DE X65
Each	$0.10	.10	.10
	.15	.15	.15

Items Marked ✣ Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory, New Britain, Conn.

TOOL KITS

* DIAMOND EDGE

Pressed Sheet Steel Box, Black Enamel Finish Inside and Outside Equipped with Catches, Lock and Key; Partitioned Tray for Small Tools; Has Grip Handle on Top of Box Making it Easy to Carry.

Dimensions of Box

Inside Dimensions of Box 22 Inches Long, 9 Inches Wide 6¾ Inches Deep

Each

No. DE22—Complete with 22 Tools and Other Useful Items; Weight Complete with Tools 50 Lbs. $31 50

Contents of Kit

1 No. DE150, 18 inch Panel Saw
1 No. DE12, Nail Hammer
1 No. DS1, Shingling Hatchet
1 No. DE100, 6/16 Inch Auger Bit
1 No. DE100, 8/16 inch Auger Bit
1 No. DE100, 9/16 inch Auger Bit
1 No. DE100 16/16 inch Auger Bit
1 No. DG, 4/32 inch Gimlet Bit
1 No. DG, 8/32 inch Gimlet Bit
1 No. DE100, 12 inch CompassSaw
1 No. DE100, Coping Saw
1 No. DE188, Bit Brace
1 No. DEB½, Socket Firmer Chisel
1 No. DB1, Socket Firmer Chisel
1 No. D5½ inch Slim Taper File with Handle
1 No. D8, Mill File
1 No. DR5, Screw Driver
1 No. D6, Oil Stone
1 No. D110, Block Plane
1 No. No. 20, 6 inch Try Square
1 No. 63, Folding Boxwood Rule
1 No. DE50, Plier
One Oz. Bottle LePage's Glue
1 Package 1 inch Brads
Three Sheets Sandpaper

* BRIDGE

Pressed Sheet Steel Box; Black Enamel Finish Inside and Outside; Equipped with Catches, Lock and Key; Partitioned Tray for Small Tools; Has Grip Handle on Top of Box, Making it Easy to Carry.

Dimensions of Box

Inside Dimensions 22 inches Long; 9 inches Wide; 6¾ inches Deep.

Each

No. B22—Complete with 22 Tools and Other Useful Items; Weight Complete with Tools 50 Lbs. $30 80

Contents of Kit

1 No. B225, 18 inch Panel Saw
1 No. B12, Nail Hammer
1 No. BS1 Shingling Hatchet
1 No. B100, 6/16 inch Auger Bit
1 No. B100, 8/16 inch Auger Bit
1 No. B100, 9/16 inch Auger Bit
1 No. B100, 16/16 inch Auger Bit
1 No. 22A, 4/32 inch Gimlet Bit
1 No. 22A, 8/32 inch Gimlet Bit
1 No. B110, 12 Inch Compass Saw
1 No. B100, Coping Saw
1 No. B. O. Bit Brace
1 No. BB½, Socket Firmer Chisel
1 No. BB1, Socket Firmer Chisel
1 No. B5½ inch Slim Taper File with Handle
1 No. B8 inch Mill File
No. BR5, Screw Driver
No. 6, Oil Stone
No. B110, Block Plane
No. 20, 6 inch Try Square
No. 63, Folding Boxwood Rule
No. BN5, Plier
1 One Oz. Bottle LePage's Glue
1 Package 1 inch Wire Brads
Three Sheets Mizzoo Sandpaper

PORTABLE TOOL CHESTS

PAUWEN

Imitation Black Seal Grain Leather Covered with Drawer Fronts and Cover of Solid Quartered Oak, Mission Finish; Solid Brass Corners, Secure Lock; Heavy Nickeled Corners and Strong Handle; Brass Knob Bells.

Outside Dimensions—Length 20 inches, Height 14 inches, Depth 8 inches.

Drawers Inside—Nos. 1, 2, 3 and 4, 8½x11⅛ inches; Nos. 5, 6 and 7, 18½x6⅛ inches.

Height of Drawers Inside—No. 1—¾ inch; No. 2—1¼ inch, No. 3—1¾ inch, No. 4—2¼ inch, No. 5—1¾ inch, No. 6—2¼ inch and No. 7—3¼ inches.

Each

No. 400—Weight Each 13½ lbs. $22.50

One in a Box

Imitation Black Seal Grain Leather Covered with Drawer Fronts and Cover of Solid Quartered Oak, Mission Finish; Solid Brass Corners, Secure Lock; Heavy Leather Handle; Bottom of Drawers lined with Heavy Felt. Case Fits in Compartment Series under Upper when Case is in Use.

DESIGNED FOR TOOLS UP TO 18 INCHES IN LENGTH

Outside Dimensions—Length 20 inches; Height 12¼ inches; Depth 9½ inches.

Drawers, Inside—Nos. 1, 2, 3 and 4—8½x7 inches; Nos. 5, 6 and 7—18½x7 inches.

Height of Drawers Inside—No. 1, 2, 3 and 4—1¾ inch; No. 5—2¼ inch; No. 6—2¾ inch; No. 7—3¼ inches.

Each

No. 360—Weight Each 23 lbs. $28 50

No. 350—Quartered Oak Case, Uncovered, Otherwise Same as No. 360; Weight Each, 22 lbs. 38 50

One in a Box

Imitation Black Seal Grain Leather Covered with Drawer Fronts and Cover of Solid Quartered Oak, Mission Finish; Solid Brass Corners, Secure Lock; Heavy Leather Handle; Bottom of Drawer Lined with Heavy Felt.

Outside Dimensions—Length 18 inches; Width 11 inches; Depth 8½ inches.

Drawers, Inside—Nos. 1, 2 and 3—7⅛x6⅛ inches; Nos. 4, 5 and 6—16⅛x6⅛ inches.

Height of Drawers, Inches—No. 1—2¼ inches; No. 2—1 inch; No. 3—1¼ inch; No. 4—1¼ inch; No. 5—2 inch; No. 6—3 inch.

Each

No. 260—Weight Each, 18 lbs. $35 30

No. 250—Oak Case, Uncovered, Otherwise same as No. 260, Weight Each, 17 lbs. 25 30

One in a Box

TOOL SETS

*MOUND CITY

MOUND CITY
TRADE MARK

Plain Finished Dovetailed Whitewood Case, Hinged Lid with Hook and Eye Fasteners.

Dimensions of Case

Outside—27 inches Long, 8¼ inches Wide, 4 inches Deep

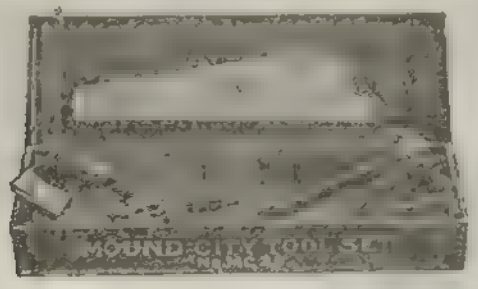
With 16 Serviceable Tools, Nails and Chalk — Per Set

No. MC50—Complete, with 16 Tools Weight [illegible] .. $15 00

Contents of Case

1 Mound City Shingling Hatchet, No. MCS1.
1 Mound City Screw Driver, No. MC, 4 inch.
1 Mound City Brace No. MC8.
1 Wonder Panel Saw, No. 1902, [illegible] inch.
1 Bridge Handled Brad Awl, No. [illegible]
1 Standard Auger Bit, ¼ inch.
1 Standard Auger Bit, ½ inch.
1 Standard Auger Bit, ¾ inch.
1 Tack Claw, No. KB.
1 [illegible], No. 260
1 [illegible] BX110
1 [illegible]
1 [illegible] Hammer Chisel, No. [illegible]
[illegible] Chalk, No. [illegible]
1 Carpenters Lead Pencil, No. 57
2 lbs. Assorted Nails

Plain Finished, Dovetailed Whitewood Case; Hinged Lid with Hook and Eye Fasteners.



Dimensions of Case

Outside—27 inches Long, 8¼ inches, Wide, 4 inches Deep.

With 11 Serviceable Tools and Nails — Per Set

No. MC25—Complete with 11 Tools Weight 13½ lbs..... $9 90

Contents of Case

1 Mound City Shingling Hatchet, No. MCS1.
1 Mound City Screw Driver, No. MC, 4 inch.
1 Mound City Brace, No. MC8.
1 Wonder Panel Saw, No. 1902, 18 inch.
1 Bridge Handled Brad Awl, No. B40
1 Standard [illegible] Bit, ¼ inch
1 Standard [illegible] Bit, ½ inch
1 Standard Auger Bit, [illegible]
1 Tack, Claw No. KB.
1 Tack Hammer, No. 260.
1 Nail Hammer, No. 85.
2 lbs. Assorted Nails

TOOL SETS

*PERFECTION

Plain Finished. Dovetailed Whitewood Case, Hinged Lid with Hook and Eye Fasteners.

Dimensions of Case

Outside — 27 inches Long, 8¼ inches Wide, 4 inches Deep.

With 12 Serviceable Tools — Per Set

No. P10—Complete, with 12 Tools; Weight 14½ lbs $16 50

Contents of Case

1 Bridge Brace, No. B08
1 Tip Top Panel Saw, No. 210, 22 inch.
1 German Gimlet Bit, No. 22A, [illegible] inch.
1 Standard Auger Bit, ¼ inch
1 Standard Auger Bit, ⅜ inch.
1 Standard Cast Steel Auger Bit, ½ inch.
1 Bridge Half Hatchet, No. BH1.
1 Agricultural Wrench, 8 inch.
1 Boxwood Rule, No. 61.
1 Smooth Plane, No. B3.

*TIP TOP

Plain Finished, Dovetailed Whitewood Case; Stenciled Hinged Lid, Brass Plated Steel Hinges and Brass Hooks and Eyes.

Dimensions of Case

Outside—27inches Long, 8¼ inches Wide, 4 inches Deep.

With 17 High Grade Tools — Per Set

No. N15—Complete with 17 Tools; Weight of Case with Tools 15½ lbs..... $24 00

Contents of Case

1 Bridge Half Hatchet, No. BH1.
1 Bridge Brace, No. B010.
1 Bridge [illegible] No. B2
1 Bridge Plier, No. B6, 6 inch.
1 Panel Saw, No. 210, 22 inch.
1 Cast Steel Auger Bit, ¼ inch
1 Cast Steel [illegible] Bit, ½ inch
1 Cast Steel Auger Bit, ⅝ inch
1 Cast Steel Auger Bit 1 inch.
1 Awl and Tool Set, No. B35.
1 Block Plane, No. BX110
1 [illegible] Wrench, [illegible] inch
1 Gimlet Bit, No. 22A, ½ inch
1 Boxwood Rule, No. [illegible]
1 Level, No. 200.
1 Sheffield Special Oil Stone, No. 6
1 Mound City Screw Driver, No. MC, 5 inch.

WRAPPING PAPER PRINTED FREE OF CHARGE

When Ordered in Six Roll Lots or More We will Print, in Black, Wrapping Paper Described on Page 907 with Any Design Illustrated on this and Preceding or Following Pages.

In Addition to Illustration, We will Print Firm's Name and Address, in Prominent Position on Customer's Label.

When Selecting Matter for Each State Clearly just what is Wanted.

Write Firm Name and Address Plainly

Order By Design Number

As All Paper is Printed to Order there will be a Delay in Shipping of from Two to Three Days.

If Printing is Wanted Done with Colored Ink We Charge Ten Cents net per Roll to Cover Additional Cost of Ink.

We are Prepared, in Six Roll Lots or more, to Print Special Advertisements Free of Charge for Customers, Other Than Those Shown on these Pages, Customer to Furnish Electro.

Write Advertisements Clearly.

Spell Firm's Name and Address Correctly.

WE DO NOT PRINT LESS THAN SIX ROLLS FREE OF CHARGE

"DIAMOND EDGE IS A QUALITY PLEDGE"

DESIGN C

WRAPPING PAPER PRINTED FREE OF CHARGE

When Ordered in Six Roll Lots or More We will Print, in Black, Wrapping Paper Described on Page 907 with Any Design Illustrated on this and Preceding or Following Pages.

In Addition to Illustration, We will Print Firm's Name and Address, in Prominent Type to Occupy a 2 inch Space.

When Sending Matter to Cord State Clearly just what is Wanted.

Write Firm Name and Address Plainly.

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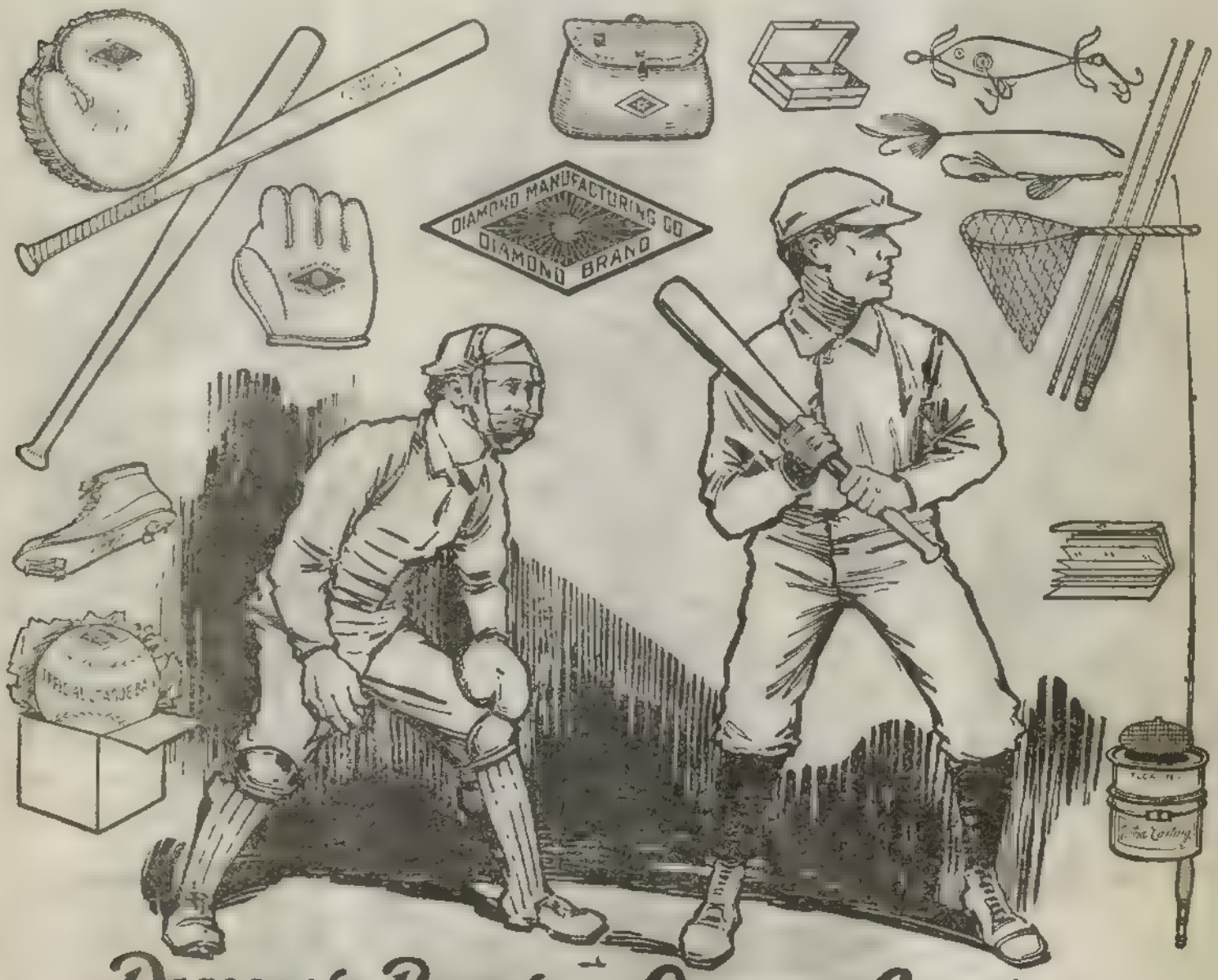
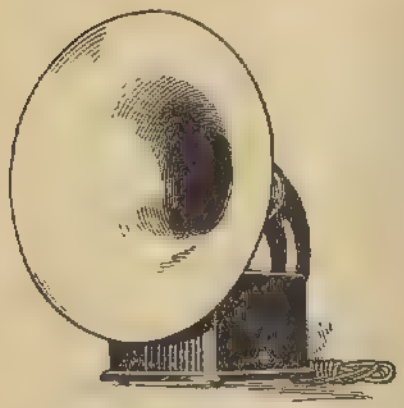


DIAMOND BRAND ~ QUALITY COUNTS
SPORTING GOODS

DESIGN U

RADIO EQUIPMENT

LOUD SPEAKERS



DICTOGRAPH

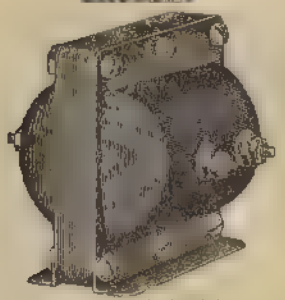
A beautiful instrument! Finely constructed, richly finished. Its handsome appearance harmonizes with any home. Highly burnished, French lacquered, eleven-inch spun copper bell horn attached to die cast black enamel tone arm, finished with nickel trimmings. Cabinet containing dictagraph receiver unit 6x5 in. base, 4 in. high, of solid, ebony-finished hardwood, mounted upon rubber knobs. Furnished complete with 5 ft. flexible cord. No extra batteries required.

No. 9928E—W't each 7 lbs. complete with 5 ft. of flexible silk cord, each $28.00

ONE IN A BOX

TRANSFORMERS

CROSLEY



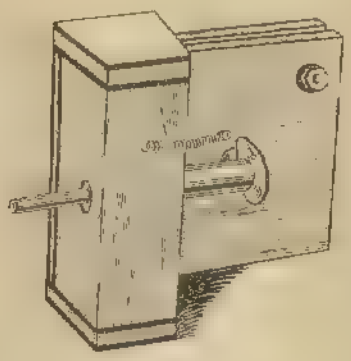
9 TO 1 RATIO

This is a completely shielded transformer. The high grade materials used in its construction, combined with excellent workmanship, give it that high efficiency and attractive appearance so often lacking, except in the most expensive types.

No. 9947E—Length 2⅛ in., height 2 1/16 in., width 2 1/16 in., base area 1¼x2⅛ in., w't each ¾ lb. each $4.00

ONE IN A CARTON

VARIABLE CONDENSERS



Model "A"

CROSLEY

Depends upon a thin sheet of mica as insulation between the plates. As there is no friction from the opening and closing of the plates, the mica will last as long as the condenser.

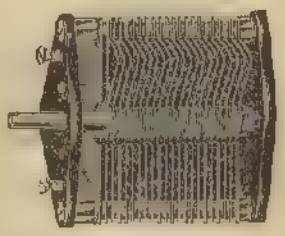
Moreover, the mica will stand up under much higher voltage than the average air condenser, without puncturing breaking down or showering.

Therefore, the CROSLEY VARIABLE CONDENSER can be used safely for C. W. work or modulated C. W. work. Anyone who has experimented with radio telephone will readily recognize the advantage of this feature. There is no danger of short circuiting. The slightest bending of one of the plate will make other condensers absolutely worthless.

No. 9946E—Capacity .0005 M. F. size 3¾x3¾x1¾ in., w't each 2 lbs., each $1.25

ONE IN A BOX

VARIABLE CONDENSERS



Plates are made from 22 gauge hard aluminum and accurately spaced with flattened washers. Held to .00010 of an inch. The insulated ends are made of Condensite Celleron which insures against warpage. Contact point, combination friction, and cutting which insures a clean absolute contact.

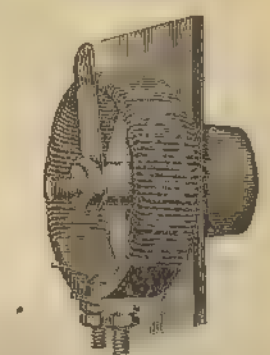
No. 9950E—43 plate, capacity .001 mfd, size 3½x2⅛x4⅛ in. w't 2 lbs. each $4.20

No. 9951E—23 plate, capacity, .0005 mfd, size 3½x2⅛x3⅛ in., w't 1⅛ lbs. each $3.60

No. 9952E—11 plate, capacity, .00025 mfd, size 3⅛x2⅛x2⅝ in., w't 1 lb. each $3.10

ONE IN A BOX

RHEOSTATS



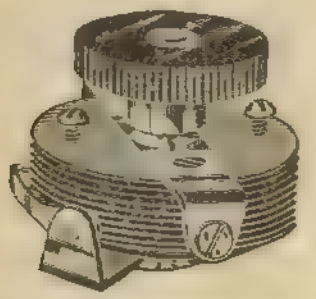
CROSLEY

No. 9949E—Overall diameter 1⅝ in. resistance 6 ohms and will carry one ampere without heating suitable for detector or amplifier tubes; can be mounted on panels up to ⅜ in. in thickness, w't 2 oz., each $0.85

ONE IN A BOX

RADIO EQUIPMENT

JENKINS VERNIER RHEOSTAT

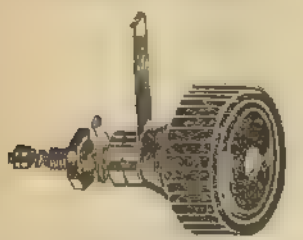


No. 9929E—Can be used on any circuit and is necessary where precise or minute adjustment is required; Current can be disconnected at any setting and reconnected at exactly the same setting, by pushing in and pulling out the knob; diameter overall 2½ in. w't per doz. 43 lbs.,

each $2.40

ONE IN A CARTON

SWITCH LEVERS



One inch knurled bakelite knob with one and one-half inch radius lever, furnished with bushing for panel mounting.

No. 9918E—W't each 1 oz., each $0.90

LOOSE

RUBBER DIALS

With Knobs.

No. 9924E—Size 3 in., ¼ in., shaft hole, w't each 4 oz. . . . . each $1.00

LOOSE

VACUUM TUBES

CUNNINGHAM

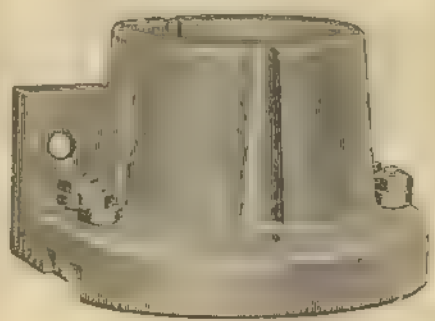
Each tube is built to the most rigid specifications. Liscensed only for amateur or experimental use. Any other use will be an infringement.

No. 9940E—C300—Detector Tubes, same as No. UV200 radiotron, filament voltage 5 volts, plate voltage 18 to 25 volts, size 1¾×4 5/16 in., w't each ¾ lb. . . . . each $7.50

No. 9941E—C301—Amplifier Tubes, same as No. UV201 radiotron, filament voltage 5 volts, plate voltage 40 to 100 volts, size 1¾×4 5/16 in., w't each ¾ lb. . . . . each $9.70

SECURELY PACKED, ONE IN A CARTON

VACUUM TUBE SOCKETS



CROSLEY

Made of porcelain, designed to prevent short circuiting of high voltage "B" battery current accross filament contact. Thus eliminating the danger of burning out the filament through careless inserting of the tube.

Can be mounted on a base or on the side for panel mounting.

No. 9948E—2½×2½×1¾ in., w't each ½ lb., ... each $0.40

ONE IN A BOX

KAPACITON CONDENSERS

One piece metal foil, making permanent, positive and direct contact with terminal eyelets, insuring permanent capacity.

Fine insulating paper is used, free from cracks. Tightly wound, compressed and baked making them non-hygroscopic, and not subject to changes in capacity due to atmospheric influences.

No. 9930E—Grid Condenser, capacity .00025 microfarods, ... each $0.25

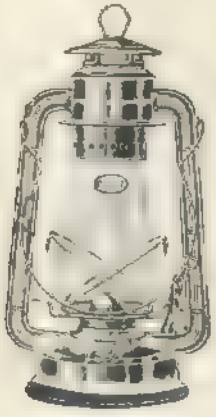
No. 9931E—Grid Condenser with detachable leak. The leak is built into the condenser, yet is quickly detachable by means of special snap fasteners. Leak can be varied at will. Cap. .0005 Mfd. . . . . each $0.40

No. 9932E—Phone condenser, capacity .001 Mfd. . . . . each $0.35

LANTERNS

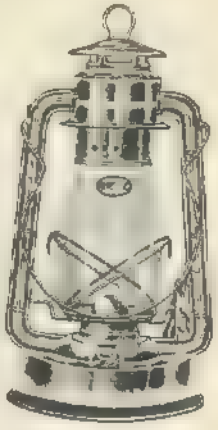
Monarch

Hot blast; for kerosene; bright tin; beaded, round tubes.



No. 2 Blizzard

Cold blast; for kerosene; bright tin; re-inforced tubes with braced lift guides.



No. 2 Blizzard, Large Fount

No.	Name	Height	Globe	Wick	Fount Cap	Packed	Weight	Per Doz.
	Monarch	13½ in.	Fitzall, white	[illegible] in	20 hours	1 doz	28 lbs	**$12.50**
	Monarch	13½ in.	Fitzall, ruby	[illegible] in	20 hours	1 doz	28 lbs.	**15.60**
2	**Blizzard**	14¾ in.	Fitzall, white	1 in	20 hours	½ doz.	20 lbs	**20.00**
2	**Blizzard, Large Fount**	15 in.	Fitzall, white	1 in	35 hours	[illegible]	22 lbs	**22.00**

No. 2 D-Lite

No. 2 D-Lite Large Fount

Cold blast; for kerosene; bright tin; re-inforced tubes with braced lift guides

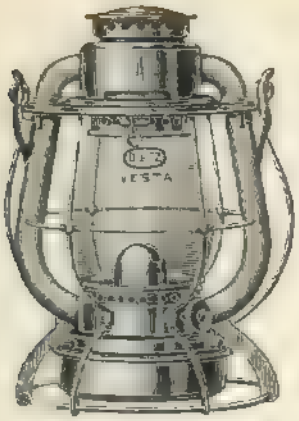
Little Wizard

Cold blast; for kerosene; bright tin beaded round tubes with spe-cial braced lift guide

No.	Name	Height	Globe	Wick	Fount Cap.	Packed	Weight	Per Doz.
2	**D-Lite**	13¾ in.	D-Lite, white	1 in	20 hours	½ doz.	19 lbs	**$20.00**
2	**D-Lite, Large Fount**	13¾ in.	D-Lite, white	1 in	35 hours	½ doz.	21 lbs	**22.00**
	Little Wizard	11½ in.	Little Wizard, white	⅝ in.	20 hours	1 doz	24 lbs	**13.50**
	Little Wizard	11½ in.	Little Wizard, ruby	⅝ in.	20 hours	1 doz	24 lbs	**16.60**

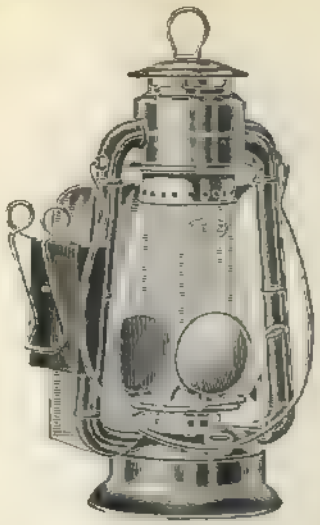
ALBANY HARDWARE & IRON CO.

LANTERNS



Vesta Railroad

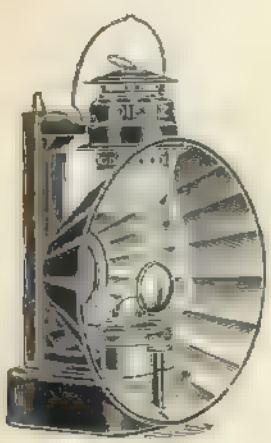
Cold blast; for kerosene. Bright tinned steel, re dipped. Fount fastened to body by a positive locking device, operated by a twist of the hand. Outside wick raiser.



Junior Wagon

Cold blast, for kerosene. Black enameled tin. Right and left hand. 2¼ inch law abiding ruby rear lens. Fits flat or round holder.

Name	Height	Globe	Wick	Fount Cap.	Packed	Weight	Per Doz.
Vesta Railroad	9¾ in.	Junior, white	⅜ in.	12 hours	1 doz.	42 lbs.	**$31.85**
Junior Wagon	12 in.	Vesta, white	⅝ in.	15 hours	½ doz.	21 lbs.	**27.00**



Nos. 30, 60 Beacon Wall

Cold blast, for kerosene. Green enamel finish, white enameled reflector. Outside filler cap.

No. 2 Climax Platform

For kerosene. Green enamel finish. Glass door and sides. Metal lamp, silvered reflector. Chimney.

Pioneer Street

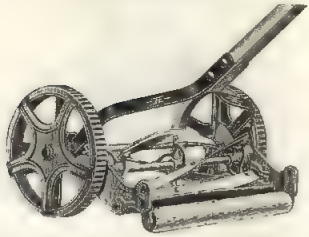
Cold blast, for kerosene. Green enamel finish. May be set to extinguish itself at a given time. Post socket opening 2⅞ inches.

No.	Name	Height	Globe	Wick	Fount Cap.	Packed	Weight	Each
30	**Beacon**	15¼ in.	Fitzall	1 in.	35 hours	3	25 lbs.	**$4.80**
60	**Beacon**	20½ in.	No. 2 Tubular	1½ in.	30 hours	3	23 lbs.	**11.30**
2	**Climax**	17½ in.	No. 2 Chimney	1 in.	23 hours	1	17 lbs.	**7.15**
	Pioneer	25½ in.	Pioneer	1½ in.	24 hours	1	26 lbs.	**9.40**

LAWN MOWERS

DIRECTOR

BALL BEARING



Four blades, 9-inch wheels, 5½-inch reels. Finish, red and gold; decorations, gold and silver.

This mower is very graceful in outline, and very easy running. Perfectly machined and fitted and parts are interchangeable. Screw adjusting cutter bar. The ball bearing cones are made of best quality tool steel and tempered glass hard. Automatically adjusted.

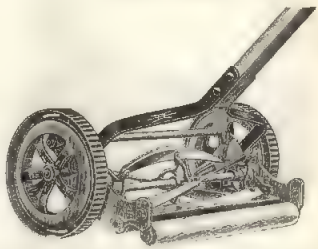
Blades of highest grade crucible steel, spirally formed and self-sharpening, which are attached to the reel shaft by means of malleable iron spiders. Shaft is made of cold rolled machinery steel.

Size	Gross wt	Each
12 in.	40 lbs	$19.50
14 in.	42 lbs.	20.50
16 in.	45 lbs.	21.00
18 in.	50 lbs.	22 00

One in a case, handles separate.

PARAGON

BALL BEARING



Four blades, 8½-inch wheels; 5½-inch reels. Finish, gold and aluminum bronze; decorations, green.

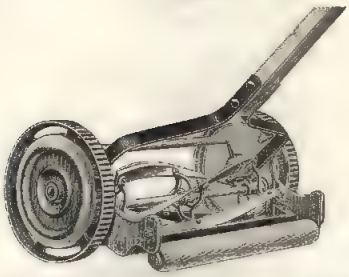
Semi-open type. light and easy running. A smaller ball bearing mower that would give better satisfaction could not be built. Every bearing is accurately machined and all material is carefully selected. Blades of high-grade crucible steel, oil tempered and water ground. All ball bearing parts automatically adjusted.

Size	Gross wt.	Each
10 in.	38 lbs.	$17 00
12 in.	40 lbs	17 50
14 in	42 lbs	18 50
16 in.	44 lbs	19 00

One in a case, handles separate

BABY GRAND

BALL BEARING



Four blades, 8-inch wheels; 5½-inch reels. Finish, aluminum and gold; decorations, blue.

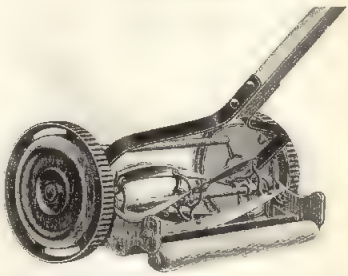
An attractive light-weight, ball-bearing mower. Suitable for owners of small lawns. Accurately fitted; strongly made and has full screw adjustment. Ball-bearing parts are automatically adjusted. All material is first-class. Cones are of tool steel tempered glass hard. Blades of high quality knife steel ground under water

Size	Gross wt.	Each
10 in.	38 lbs.	$17.00
12 in.	40 lbs.	17.50
14 in.	42 lbs.	18 50
16 in	45 lbs.	19 50

One in a case, handles separate.

SIGNET

PLAIN BEARING



Four blades, 8-inch drive wheels, 5½-inch reels. Attractively painted, gold and dark blue.

An excellent medium grade, plain bearing mower. A second cut is taken on each operation to insure accuracy, and the frame has "four-squared" construction.

The reel revolves on brass bearings with a device for taking up all wear.

Screw adjusted throughout.

Knives of crucible steel, water-ground and self-sharpening.

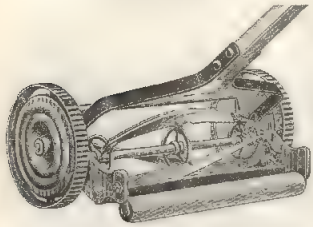
Size	Wt. gross	Each
10 in.	35 lbs	$13.00
12 in.	40 lbs	15.00
14 in.	45 lbs	16.50
16 in.	52 lbs	16.50

One in a case, handles separate.

LAWN MOWERS

CLOVER LEAF

PLAIN BEARING



Three blades, 8-inch wheels; 5½-inch reels. Finish, apple green and gold bronze; decorations, green.

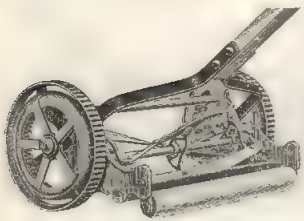
New and attractive design. All parts are machined and fitted to insure accurate construction. Screw adjustments throughout. The reel shaft is made of machinery steel and has adjustable brass bushings for taking up wear. Blades of high grade blade steel, carefully tempered and spirally formed.

Size	Wt gross	Each
10 in	38 lbs	$12.50
12 in	40 lbs	13.50
14 in.	42 lbs	14.00
16 in.	44 lbs	15.00

One in a case, handles separate.

PANAMA

PLAIN BEARING



Three blades, 8-inch wheels; 5½-inch reels. Finish, gold bronze and green.

Guaranteed to be the best and most attractive low priced mower ever made. Very light in weight, yet strongly constructed. All connecting points carefully milled to exact dimensions. Shoulders are machined on each end of cross rod to produce a rigid frame. Blades of crucible steel, thoroughly tempered. The reel is equipped with brass bushings and a lock nut device for taking up wear. Screw adjusting.

Size	Wt gross	Each
10 in.	38 lbs	$12 50
12 in..	40 lbs	13 50
14 in.	42 lbs	14 00
16 in....	44 lbs	15.00

One in a case, handles separate

LAWN TRIMMERS AND EDGERS

CAPITOL

Cuts every blade of grass left by the lawn mower close to the walk and fences. Cast iron wheel 8½ inches in diameter with 1½-inch face. Cylinder 5 inches in diameter with four crucible steel blades, hardened and tempered in oil.

Width cut	Extreme width	Ship wt ea.	Each
6 in.	13¼ in.	20 lbs	$19.00

One in a case, handles separate

LAWN EDGE TRIMMERS

Cuts and trims all grass lapping over edges of walks, curbs, etc. The cutting knife is 6 inches in diameter and is made of highest quality saw steel, hardened and tempered. The traction rollers are of hard maple, paraffine treated, so they will not warp nor swell.

No.	Length	Wt. each	Per doz.
P	49 in.	3 lbs	$28.00

Loose

LAWN ROLLERS

DUNHAM

Drums of heavy sheet steel with seams welded. Weights keep the handle in an upright position. Rollers can be filled with water or sand; when filled with sand the roller weighs about 50 per cent more than when filled with water One section.

No.	Diam.	Length	Wt. empty	Wt. with water	Each
WB5	18 in	24 in.	85 lbs	300 lbs	$36.00

Loose.

Children's Vehicles

SPECIAL NOTE—Owing to our extremely low prices on these items it is impossible to break factory packages. Goods can be shipped only as packed by factory and are shipped to you direct from Ohio.

SHIPPED FROM OHIO FACTORY

SIDEWALK SULKY

No. 16¼/124 In construction this Sidewalk Sulky has reversible back rest, also shaped seat board high side railings, axle and guards finished with arm rests, seat and back upholstered in tufted leatherette. Has 10x1¾ in rubber tire wheels.

Safety straps, folding handle or springs as shown these extra See price list.

Weight per doz., 150 lbs.

Packed in one-sixth dozen crates.

We do not break packages.

No. 16¼/124 Sidewalk Sulky. Each.. $5.96

No. 16¼ 124

TOT BIKES—For Little Children

EXTRA WIDE REAR AXLE

Will Not Tip Over Backwards.

No. 28 124

Seat Board—18 in. long by 7¼ in. wide. Finished red with transfer.
Wheels—8 in. front and rear, ¾ in. rubber tires, red enamel, nickel plated hub caps. Cranks tin plated and riveted to front wheel axle. Front wheel is removable from the fork.
Handle—As shown, 8½ in. long, red.
Rear Gear—Is made with the rear standard straight up and down and is set under the extreme back end of the board. This permits a child to sit far back on the board without tipping over backwards. Rear gear is attached to seat board with four nickel leaded bolts.
Rear Axle—The rear axles of both the No. 28 124 and No. 30 124 are the extra length that makes an extremely wide rear axle for both of these cycles which will prevent tipping over sideways.
Front Fork and Handle Bar Port—Black baked enamel.
For children two years of age.
Packed two in a carton; weight, 22 lbs. We do not break packages.

No. 30 124

Seat Board 21 in long by 7¼ in wide. Finished red with transfer.
Wheels—12 in. front and rear, ¾ in. rubber tire nickel plated hub caps. Cranks, tin plated and riveted to front wheel axle. Front wheel is removable from the fork.
Handle—16 in. long, red.
For children three years of age.
Packed two in a carton; Weight, 34 lbs. We do not break packages.

No. 25/124	Tot Bike. Each	$5.50
No. 30/124	Tot Bike. Each	6.00

Same as above, except disc wheels and adjustable nickel plated handle bars. Leather handles

No. 27 124	Same size as No. 25/124. Each	$6.70
No. 32 124	Same size as No. 30/124. Each	9.40

Packed two in crate. We do not break packages.

A DISC WHEEL SCOOTER

PIONEER SCOOTER No. 10/124

Disc Wheels with Retained Roller Bearings and ¾ Inch Rubber Tires.

Frame—Length over all, 36 in. Length from front hub to rear hub, 28 in. Footboard 5½x13 in. long. Finished natural with printed decorations done on printing machine. Cross handle, wood, and adjustable to fold down, and at the highest point it is 30 in. from the floor. Frame is made of flat steel. Finished in black and striped. Frame of each scooter is the same.

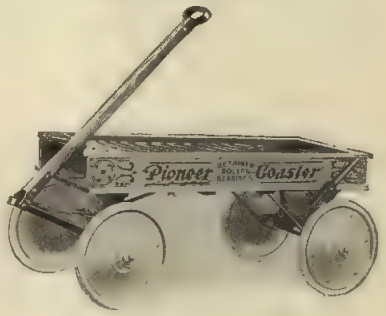
No. 8/124 Scooter. 8 in. disc wheels. Roller bearings. ⅝ in. rubber tires. Weight, 15 lbs. Price $6.30

No. 10 124 Scooter. 10 in. disc wheels. Roller bearings. ¾ in. rubber tires. Weight 7 lbs. Price $7.30

No. 8¼W/124 Scooter. 8 in. wire wheels. Plain bearings. ½ in. rubber tires. Weight, 12 lbs. Price $5.10

Packed one each in a carton.

PIONEER COASTER WAGONS



Nos. 2-DR 124, 3-DR/124 and 4-DR/124

Disc Wheels with Large Rubber Tires. Retained Roller Bearings.

After 3 years experience with disc wheels on coaster wagons, we believe, judging the opinion of all our customers when we say that in not a single instance have our disc wheels proven unsatisfactory in any manner whatever. There is no question but what the disc wheel rubber tire coaster wagon has come to stay. It has proven a very ready seller on the retail floor in all sections of the country.

Every dealer is urged to stock liberally of these disc wheel rubber tire coaster wagons, as there is every indication that for the year 1925 this will be a very big selling item.

Made in Three Sizes

No. 2-DR/124 Body, 14x34 in. Wheels, 10 in. Rubber tires, ¾ in. Weight per carton, 34 lbs. Price $14.10

No. 3-DR/124 Body, 16x38 in. Wheels, 10 in. Rubber tires, ¾ in. Weight per carton, 38 lbs. Price $15.50

No. 4-DR/124 Body, 18x40 in. Wheels, 10 in. Rubber tires, ¾ in. Weight per carton, 42 lbs. Price $16.20

Packed for shipment in sealed dust proof cartons.

Bicycles

SHIPPED FROM OHIO FACTORY

A Sport Model for the Pleasure Rider

Ideal for the Man Who Rides to and From Work

THE "DE LUXE" MOTORBIKE MODEL

All our "De Luxe" Motorbike lacks is the motor. We use the finest material obtainable to make this bicycle the acme of perfection.

Frame—17 in only with 2 in drop at seat post, main tubes 1 in., rear forks ⅝ in. swaged tapering to oval, upper stays ⅝ in. oval, straight, seat-post cluster fitted with binder-bolt, crank bracket dropped to 2½ in. joints, except head, flush and reinforced, outside joints at 1 in blades. **Color**—Black, royal blue or carmine with fancy head and fork tips. **Rims**—Crescent wood rims, hard maple, aluminum finish. **Mud Guards**—Steel, with raised center and drop sides, also flap on front guard. **Hubs**—Front New Departure, rear, Corbin, Morrow or New Departure coaster brake. **Hanger**—Pauber one-piece. **Chain**—Diamond pitch. **Pedals**—Torrington No. 1, motorcycle rubber. **Saddle**—Troxel No. 2 motorbike. **Handle bar**—No. 31 Shelby braced motorcycle type. **Tires**—Kokomo Everlaster, 28x2½ in. **Stand**—Quick action. **Tool Bag** and Tools are extra.

No. 49/123 "De Luxe" Motorbike Model. Price..... $88.00

THE "DE DUXE JUVENILE" BOYS' MODEL

Frame—Main tubes 1 in.; rear forks ⅝ in., swaged, tapering to oval; upper stays ⅝ in. oval straight seat-post cluster fitted with binder-bolt, crank bracket dropped to 2 in. outside joints reinforced. **Fork**—Motorbike rows, 1 in. blades. **Color**—Black with gold striping or Carmine with gold striping. **Chain**—Diamond No. 9, 1 in. pitch. **Rims**—Solid rolled steel, enameled. **Coaster Brake**—Corbin, Morrow or New Departure. **Handle Bars**—Adjustable, with 1 in. forward extension on the first size, 2⅛ in. forward extension on the 24 in., 25 in. and 28 in. sizes, long bull dog leather grips. **Saddle**—Troxel No. 4 Scout. **Pedals**—Heavy motorcycle rubber. **Mud Guards**—Steel, raised center. **Tires**—United States Juvenile Single Tube tires.

NOTE—A Spanner Wrench fitting all nuts is supplied regularly. With that one exception, no tools nor tool bag are furnished.

No. 71/123	20 in.	wheels, 16 in. frame, for boys 4 to 6 years	$55.00
No. 72/123	24 in.	wheels, 18 in. frame, for boys 5 to 7 years	56.00
No. 73/123	26 in.	wheels, 18 in. frame for boys 7 to 10 years	58.50
No. 74/123	28 in.	wheels, 20 in. frame, for boys 9 to 12 years	64.00

THE "DE LUXE JUVENILE" GIRLS' MODEL

Frame—Main tubes 1 in., rear forks ⅝ in. swaged tapering to oval, upper stays ⅝ in. oval straight, seat-post cluster fitted with binder-bolt, crank bracket dropped to 2 in., double joints all around. **Fork**—Motorbike rows, ⅞ in. blades. **Color**—Dark green striping, Quilted or Carmine with gold striping or Carmine with gold striping. **Chain**—Diamond No. 9, 1 in. pitch. **Rims**—Solid rolled steel, enameled. Adjustable with 1 in. forward extension on long bull dog leather grips. **Coaster Brake**—Corbin, Morrow or New Departure. **Handle Bars**—Troxel Paris (C), with double roll surfaces as shown in cut. **Saddle**—Heavy motorcycle rubber. **Pedals**—Heavy motorcycle rubber. **Mud Guards**—Steel raised center. **Tires**—United States Juvenile Single Tube tires.

NOTE—A Spanner Wrench fitting all nuts is supplied regularly. With that one exception, no tools nor tool bag are furnished.

No. 76/123	20 in.	wheels, 16 in. frame, for girls 4 to 6 years	$58.00
No. 77/123	24 in.	wheels, 18 in. frame for girls 5 to 7 years	60.00
No. 78/123	26 in.	wheels, 18 in. frame, for girls 7 to 10 years	62.00
No. 79/123	28 in.	wheels, 20 in. frame, for girls 9 to 12 years	67.00

IT STARTS PROMPTLY
IN THE COLDEST WEATHER

The behavior of Dodge Brothers Motor Car on zero days is a fair example of its fitness the year round.

You turn the switch, step on the button, and the motor starts—without undue noise or delay.

The reasons are readily understood:

The coordination of the power plant is well nigh flawless. The slightest impulse sets it in motion. The battery—6-cells, 12-volts—is unusually large.

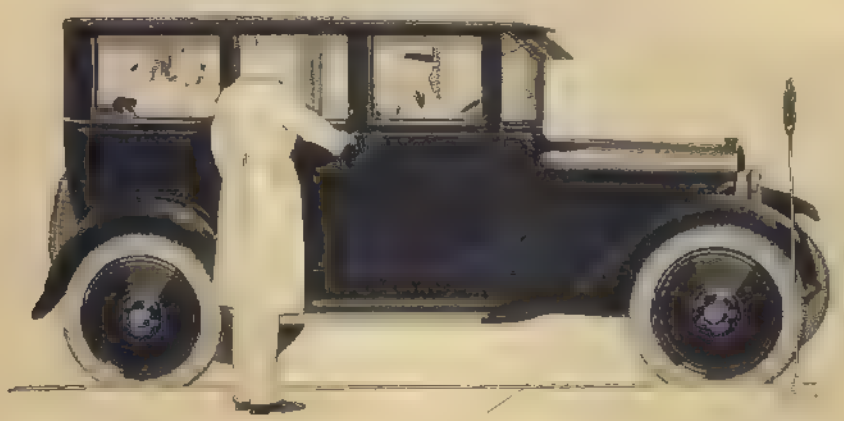
A high-vacuum carburetor so thoroughly vaporizes the gasoline that it ignites instantly under the spark.

The electrical system is remarkably efficient and cuts to a minimum the usual voltage loss between battery and starter.

Finally, the starter, itself—an admirable example of its kind—is directly united with the engine by a chain drive which is always in mesh—a fact having much to do with the promptness and quietness of its action.

DODGE BROTHERS

The price of the Type-A Sedan is $1440 f. o. b. Detroit



THIS SYMBOL IN ANY ADVERTISEMENT MEANS: SEE "CHILTON AUTOMOBILE DIRECTORY" FOR COMPLETE BUYING INFORMATION

DREADNAUGHT

Ball Bearing Coaster Wagons

Bodies constructed of well seasoned hardwood. Removable box.

Gear of No. 1 selected stock. Securely braced to body with ⅛x2½ in. round edge iron. ⅝ in. round steel axles. Steering gear of extra heavy wrought iron and hardwood.

Body and gear varnished on the natural wood, decorated in red and black. Wheels painted bright red.

Fitted with brakes.

Extra brace from front axle to bottom of bed, giving extra support to king bolt. Equipped with large circle plate fifth wheels of stamped steel.

Heavy stamped Steel Disk Wheels with Ball Bearings Positively the easiest running wagon made. **Wheels painted** red, striped gold and green. Nickel plated hub caps

STEEL TIRES

Nos.	N890	N891	N892
Body, in.	14x32	16x36	18x40
Wheels, in.	10	10	10
W't per doz., lbs.	460	485	520
Per dozen	$120 30	131.80	145.70

ONE IN A CARTON

RUBBER TIRES

Nos.	N8905	N8906	N8916	N8926
Body, in.	14x32	14x32	16x36	18x40
Wheels, in.	8	10	10	10
W't per doz., lbs.	450	455	480	515
Per dozen	$127.20	131.80	143.40	157.30

ONE IN A CARTON

Hibbard BALL BEARING COASTER WAGONS

Removable body. Body and handle of well seasoned hardwood, varnished, body decorated in red and black. Extra heavy wood wheels painted red and fitted with serviceable brakes, iron hubs and frame, rims of bent rock elm, wrought steel tires welded and shrunk on, gear of selected stock securely braced to body, steel loop grip on handle.

1¼ in. Square Handle.

Nos. Hibbard	N89	N90	N91	N92
Height of body, in.	4½	4½	4½	4½
Size body, in.	13×28	14×32	16×36	18×40
Wheels, in.	8	10	10	10
Shipping w't, lbs.	224	432	480	552
Per dozen	$83.20	106 35	117.95	131.80

ONE IN A CARTON

EXTRA WHEELS FOR NOS. N90, N91, N92

No. N090—Per dozen $14.40

BADGER COASTER WAGONS

WITH HEAVY METAL BEARING WHEELS

Body, handle and brace of well seasoned hardwood, varnished, extra heavy metal bearing wheels with round spokes, ¾×½ in. bent rock elm rims, ¾×¼ in. wrought steel tires welded and shrunk on, malleable iron hub caps and bands. All selected stock gears, securely braced to body with ⅛×¾ in. round edge iron and ⅝ in. round steel axles. Extra heavy malleable iron and hardwood steering gears

STATIONARY BOX, 3 INCHES HIGH

No. N32—Body 13×28 in., wheels 8 in., w't per doz. crated 245 lbs., per dozen $67 00

REMOVABLE BOX

Nos.	N33	N34	N35
Height of body, in.	4½	4½	4½
Body, in.	14×32	16×36	18×40
Wheels, in.	10	10	10
Shipping w't, lbs	390	420	450
Per dozen	$92.50	104.10	117.95

EXTRA WHEELS

Nos.	N032	N033
Size, in.	8	10
Per dozen	$10.50	10.50

WITH MALLEABLE IRON WHEELS. PLAIN BEARING.

Body, handle and brace of well seasoned hardwood, varnished, Al selected stock gears, securely braced to body with ⅛×¾ in. round edge iron and ⅝ in. round steel axles. Extra heavy malleable iron and hardwood steering gears.

STATIONARY BOX, 3 INCHES HIGH

No. N532—Body 13×28 in. wheels 8 in., w't per dozen crated 240 lbs. .....per dozen $63.00

REMOVABLE BOX

Nos.	N533	N534
Height of body, in.	4½	4½
Body, in.	14×32	16×36
Wheels, in.	10	10
Shipping w't, lbs.	444	474
Per dozen	$90 00	99.00

NOS. N32 AND N532, ONE IN A CRATE. OTHERS SIXTH DOZEN IN A CRATE WE DO NOT BREAK CRATES

DU PONT WINDOW DISPLAYS ON PAINTS AND VARNISHES

CUT-OUT WINDOW DISPLAY CARDS

No. A-1339

Supremus Floor Finish Cut-out, in color Size 14x19 in.

DU PONT
PAINTS AND VARNISHES
Back of this label is the constant work of the Chemical Engineers insuring UNIFORM high quality in every can
Du Pont Paint and Varnish Products

No. A-1337

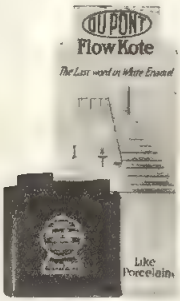
Window Display, background in color. Size 24x30 in.

No. A-1338

Prepared Paint Cut out in color Size 14x19 in.

No. A-1340

Tufcote Cut-out, in color Size 15x16 in



No. A-1342

Flow-Kote Enamel Cut-out, in color. Size 6½x18 in

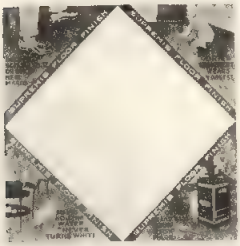
No. A-1341

Auto Finish Cut-out, in color.. Size 15x16 in.

Window display cut-outs illustrated above are handsomely lithographed in several colors. New window display features are developed each season for dealers handling Du Pont Paint and Varnish.

DU PONT STORE SIGNS AND DISPLAYS

VARNISH WINDOW TRIM



No. C-517
Varnish Window Trim—Set of four pieces for four corners of window. Each piece 18x18 in. Lithographed in color.

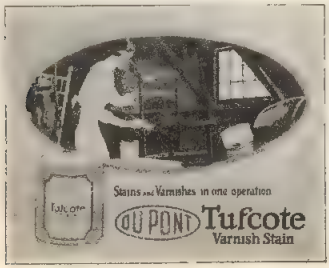
VARNISH WINDOW DISPLAY CUT-OUT

No. A-1130—Window Display Cut-out in color. Size 30x36 in.

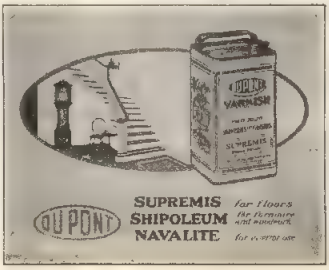
PAINT AND VARNISH WINDOW CARDS

No. A-1200—Auto Finish store or window card, lithographed in color. Size 15x19 in.

No. A-1198—Prepared Paint store or window card, lithographed in color. Size 15x19 in.



No. A-1201—Tufcote store or window card, lithographed in color. Size 15x19 in.



No. A-1199—Varnish store or window card; lithographed in color. Size 15x19 in.

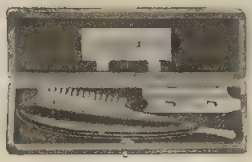
SAFETY RAZORS

DURHAM DUPLEX

Outfit consists of Razor, Safety Guard, Stropping Attachment, and Six Double Edged Blades of Finest Tempered Steel. Silver Plated.

		Each			
No. 155—Complete in Neat Leather Covered, Plush Lined Case		$5.00	**$8.00**	---	---

One in a box. Weight, each, about 7 ounces.



DURHAM DERBY

Outfit consists of Razor, Safety Guard, Stropping Attachment, and Six Double Edged Blades of Finest Tempered Steel. Heavily Nickel Plated.

		Each			
No. 159—Complete in a Leatherette Covered, Plush Lined Case		$2.50	**$4.00**	---	---

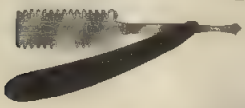
One in a box. Weight, each, about 6 ounces.

EXTRA BLADES

		Per Dozen			
No. 155B Double Edge. Made of Finest Tempered Steel. Packed six in a package		$1.00	**$1.60**	--	--

Six dozen in a carton. Weight, per carton, about ¾ pound.

DURHAM DEMONSTRATOR



Black Fibre Handle. Nickel Plated Guard and Frame. One Durham Duplex Blade.

		Per Dozen			
No. 160 One in a cardboard box		$6.50	---	---	

Weight, per dozen, about 2 pounds.

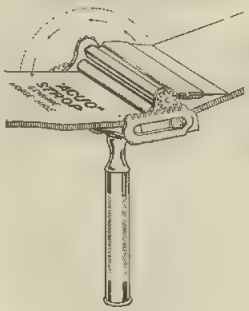
DURHAM DEMONSTRATOR
SILENT SALESMAN

Outfit Consists of 10 Durham Demonstrator Razors, 1 Durham Derby Razor, Dozen Durham Duplex Blades. Put up in a paper combination box with easel top.

	Each			
No. 161—Complete	**$12.00**	---	---	

Weight, each, about 1½ pounds.

STROPPERS



ACUO

Silver Plated Frame Fine Horsehide Strop For Ever Ready, Gem Damaskeene, Gillette, Star, Gem, and All Single Edged Safety Razor Blades that have a back.

Per Dozen

No. 32—One in a box ..... **$18.00** --- ---

Weight, per dozen, about 3¼ pounds

RUNDEL AUTOMATIC

Brass and Steel Nickel Plated Frame. Rubberoid Finish Handle. Fine Quality 24-inch Horsehide Strop. Three Blade Holders. For Gillette, Gem Jr., Ever Ready, Ender's or any Leading Style Safety Razor Blades. **Will not take Durham Duplex.**

Per Dozen

No. 27—One in a box ..... **$16.00** --- ---

Weight, per dozen, about 10½ pounds.

VICTOR AUTOMATIC

Nickel Plated Frame and Handles Victor Self-Honing Strop. Two Blade Holders For Gillette, Durham Duplex, and All Makes of Safety Razor Blades.

Per Dozen

No. 28—One in a box..... **$16.00** --- ---

Weight, per dozen, about 6 pounds.

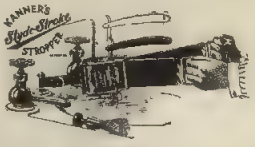
STERLING

Nickel Plated Frame and Handles. Good Quality Honing Strop For Gillette, Durham Duplex, and All Makes of Safety Razor Blades, also Old Style Blades.

Per Dozen

No. 33—One in a box..... **$18.00** --- ---

Half dozen boxes in a carton.
Weight, per dozen, about 8 pounds.



KANNER'S SLYDE-STROKE AUTOMATIC

Nickel Plated Frame and Handles. Fine Horsehide Strop. Two Nickel Plated Blade Holders. When in operation the Holders work back and forth, giving the Diagonal Stroke. For Gillette, Durham Duplex, and All Makes of Safety Razor Blades; also Old Style Blades

Per Dozen

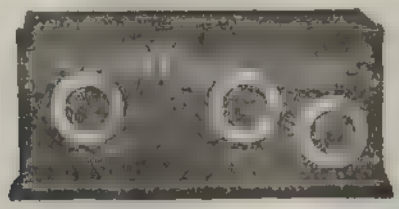
No. 30—One in a box..... **$35.00** ----- ----

Weight, per dozen, about 13 pounds.

"ECHO PHONE" RADIO ARPARATUS

(Licensed Under Armstrong Patents)

The "Echo Phone" Regenerative Set is Composed of "Echo Phone" Tuner and Detector Unit and "Echo Phone" Two Stage Amplifier, Sold Either Together or Two Units as Complete Set or as Separate Units. The **Very Latest Word in Radio Development, with Improvements Which Simplify Construction and Operation. Eliminates Frying Tube Noises and Enables Very Fine Selective Tuning.** The Wide Receiving Range, Varying from 150 Meters to 600 Meters is Applied to Provide for any Increase in Broadcasting Wave Lengths That May be Allotted by the Government. **This Set Presents an Attractive Appearance and Affords Unusual Ease of Operation.** It is the Ideal Home Set, Beautiful as it is Efficient and Priced Within the Reach of All. Is a Very High Grade Set Throughout in **Both Material and Workmanship.**



Detector-Tuner Unit

Specifications

Cabinet—Solid Mahogany, Hand Polished, Satin Finish, Rich Chocolate Color, 8 inches Wide, 6½ inches High.

Panel—Formica, Satin Finish, Gorton Engraved.

Dials—Engraved Solid Nickel Silver.

Variable Condensor—Aluminum 7 Plate.

Antenna Inductance—Basket Wound.

Circuit—Fundamental Armstrong Regenerative. Plug for Head Set Furnished with Each Set.

Each

No. T16—Weight Each, 9 lbs.... **$120 40**

One in a Carton

(This Price Does Not Include Detector Tube, Headset, Aerial, Storage or "B" Batteries.)

The Following Accessories are Needed to Complete This Set: 1 Detector Tube, 1—22½ Volt "B" Battery, 1—6 Volt Storage Battery, (90 Ampere or Over), 1 Head Set and 1 Indoor or Outdoor Aerial. Outdoor Preferred.

Amplifier Unit

9½ inches Long, 8 inches Wide, 6½ inches High. A Two Stage Amplifier Designed and Finished as a Companion Piece for Use With No. T16 Tuner and Detector Unit. This Unit Positively Will Not Receive Signals Unless it is Hooked Up With a Detector Unit.

Each

No. A2—Weight Each, 11 lbs. **$73 70**

One in a Carton

The Following Accessories are Needed When Ordering This Set to **No. T16 Detector: 2—Amplifier Tubes, 2—22½ Volt "B" Batteries.**

"ECHO PHONE" RADIO APPARATUS

(Licensed Under Armstrong Patents)

The "Echo Phone" Regenerative Set is Composed of "Echo Phone" Tuner and Detector Unit and "Echo Phone" Two Stage Amplifier, Sold Either Together or Two Units as Complete Set or as Separate Units. The **Very Latest Word in Radio Development, with Improvements Which Simplify Construction and Operation. Eliminates Frying Tube Noises and Enables Very Fine Selective Tuning.** The Wide Receiving Range, Varying from 150 Meters to 600 Meters is Applied to Provide for any Increase in Broadcasting Wave Lengths That May be Allotted by the Government. **This Set Presents an Attractive Appearance and Affords Unusual Ease of Operation.** It is the Ideal Home Set, Beautiful as it is Efficient and Priced Within the Reach of All. Is a Very High Grade Set Throughout in **Both Material and Workmanship.**

Detector-Tuner Unit and Amplifier Unit Combined

Specifications

Cabinet—Solid Mahogany, 22 inches Long, 8 inches High, Overall Sanded With Fine Paper, Ready for Finishing.

Panel—Formica, Satin Finish, Gorton Engraved.

Dials—Engraved Solid Nickel Silver.

Variable Condensor—Aluminum 7 Plate, Plug for Head Set Furnished with Each Set.

Antenna Inductance—Basket Wound.

Circuit—Fundamental Armstrong Regenerative.

Each

No. TA16—Weight Each, 11 lbs. **$183 70**

One in a Carton

The Following Accessories are Needed to Complete Set: 1 Detector Tube, 2 Amplifier Tubes, 1—6 Volt Storage Battery, (90 Ampere or Over), 3—22½ Volt "B" Batteries, 1 Indoor or Outdoor Aerial, Outdoor Aerial Suggested as Best Results are Obtained from This Type.

CRYSTAL DETECTOR SET

This is An Efficient Unit of the Two Slider Type with Phone Condensor on the Inside.

The Crystal Detector Mounted on the End of Tuner is Made With a Universal Joint. The Tension of the Cat Whisker Against the Galena is Adjustable. Galena Crystal Furnished With Each Set and Will be Found Very Sensitive.

All Metal Parts are of Solid Brass With Silver Nickel Finish.

The Tuning Coil is Wound with Enameled Copper Wire on a Seamless Tube. Within a Range of 25 Miles of Broadcasting Station, Music and Voice are Strong for Clear With Antenna, Set Complete.

No. 1K—Crystal Set, With Crystal, Less Phones and Antenna; Length, 9 inches, Height 5 inches, Weight 2 lbs. . . **$4 80**

One in a Carton

INSTRUCTIONS FOR INSTALLING AND OPERATING ARE ENCLOSED WITH EACH ECHO PHONE SET

MONROE REGENERATIVE RADIO RECEIVERS

(Licensed Under Armstrong Patents)

Monroe Radio Apparatus is Ingeniously Designed to Provide a High Degree of Efficiency at Moderate Cost.

The Construction is Thoroughly Up to Date in All Respects. All Component Parts are Standard in Quality and Approved by Radio Experts.

In as Much as the Spell of Radio is Progressive and the Student of Its Fascinating Mysteries Usually Begins His Experience with a Modest Investment and as His Knowledge Advances, Adds Amplification and Consequent Increased Power, We Present Herewith a Perfectly Simple and Thoroughly Satisfactory Group of Sets With Provision for Desired Enlargement of Range and Capacity Without the Necessity of Throwing the Original Investment Into the Discard.

Thus No. D1 for the Beginner is the Foundation Unit. With No. D2, When Added, Gives the Full Power and Distance of No. D3 Which is Merely a Combination of the Two in One Single Cabinet.

Detector

Specifications

Cabinet—Mahogany Finish; Length, [illegible] Width, 7¾ inches, Height 7 inches.
Panel—Formica, Shielded with Grounded Aluminum Plate to Prevent Body Capacity.
Dials—Composition Bakelite Moulded.
Condenser—Eleven Plate Rotary Variable.
Rheostat—Filament Control, Permitting Sensitive Adjustment.
Socket—Composition Rubber.
Vario Coupler—Wound with Oversize Double Silk Covered Copper Wire.
Binding Posts—Nickel Plated, Non-Loosening, Marked with Connections.
Circuit—Single Regenerative.
Wave Length—180 to 545 Meters.

Each
No. D1—Weight Each, 8 lbs. **$40.00**
One in a Carton

Price Does Not Include Head Set, "A" or "B" Batteries or Tubes.
To Make This Set Complete the Following Accessories are Needed: 1—Detector Tube, 1—6 Volt Storage Battery, 1—22½ Volt "B" Battery, 1 Head Set and 1 Outdoor or Indoor Aerial. We Suggest An Outdoor Aerial as Best Results are Obtained From This Type.

Two Stage Amplifier

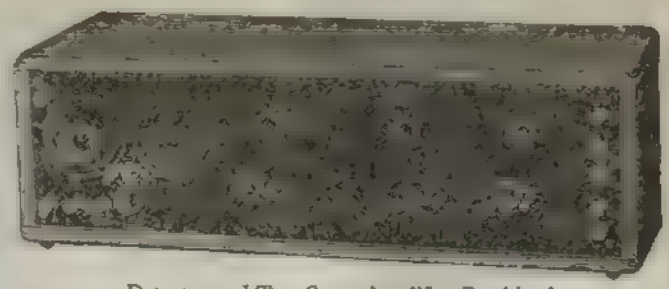
Specifications

Cabinet—Mahogany Finish, Length, 11¼ inches; Width, 7½ inches; Height, 7 inches.
Panel—Gradem Formica 10½ inches Long, 6 inches High.
Transformers—Two High Grade Audio Frequency.
Rheostats—Filament Control, Permits Sensitive Adjustment.
Sockets—Composition Rubber.
Binding Posts—Nickel Plated, Non-Loosening; Marked With Connections.
Circuit—Armstrong Regenerative.

Each
No. D2—Weight Each 8 lbs. **$52 00**
One in a Carton
(This Price Does Not Include Tubes or Batteries.)
To Make This Unit Complete the Following Accessories are Needed: 2—Amplifier Tubes, 2—B Batteries. This Unit Positively Will Not Receive Signals Unless It Is Hooked Up With a Detector Unit.

MONROE REGENERATIVE RADIO RECEIVERS

(Licensed Under Armstrong Patents)



Detector and Two Stage Amplifier Combined

Specifications

Cabinet—Mahogany Finish; Length, 22½ inches; Width, 7¾ inches; Height, 7 inches.
Panel—Formica, Shielded with Grounded Aluminum Plate to Prevent Body Capacity.
Dials—Composition Bakelite Moulded.
Condenser—Eleven Plate Rotary Variable Rheostat. Filament Control Permitting Sensitive Adjustment.
Sockets—Composition Rubber.
Vario Coupler—Wound with Oversize Double Silk Covered Copper Wire.
Binding Posts—Nickel Plated, Non-Loosening, Marked with Connections.
Circuit—Single Regenerative.
Transformers—Two High Grade Audio Frequency.
Wave Length—180 to 545 Meters.

Each
No. D3—Weight Each, 14 lbs. **$120 00**
One in a Carton
(This Price Does Not Include Head Set, "A" or "B" Batteries or Tubes)

To Make This Set Complete the Following Accessories are Needed: 1—Detector Tube, 2—Amplifier Tubes, 1—6 Volt Storage Battery (90 Amperes or Over) 3—22½ Volt "B" Batteries; 1 Head Set; 1 Outdoor or Indoor Aerial. We Suggest An Outdoor Aerial, as Best Results are Obtained From This Type.

RADIO SUPPLIES

CUNNINGHAM TUBES

DETECTOR TUBE

Cunningham Tubes are a Standard for Quality. They are All Tested and Carefully Packed. We Do Not Guarantee Them Against Breakage. They are Shipped at Owner's Risk.

Each
No. C 300—Detector Tube—Weight Each, 1 lb. **$8 00**
One in a Carton

AMPLIFIER TUBE

This Cunningham Amplifier Tube is for Use in Sets Like Our No. D2. The Increased Amplification of Signal Strength by this Detector Tube. We Do Not Guarantee Them Against Breakage. They are Shipped at Owner's Risk.

Each
No. C 301—Amplifier Tube—Weight Each, 1 lb. **$10.40**
One in a Carton

SOCKET WRENCH HANDLES
MOSSBERG

REVERSIBLE RATCHET HANDLE

This is a Reversible All Steel Ratchet Handle that Can be Reversed by Turning Small Set Nut by Simply Turning Wrench Over. A Simple and Practical Handle

	Each	
No. M350—Nickel Plated Steel; Length, 10 inches; Weight Each, 1 lb. Weight Each, 1½ lbs.	$3 00	2.00

One in a Carton

RATCHET HANDLE

Made of Heavy Steel Sheet. Holds the Socket Firmly Until Ratchet is Removed; To Reverse Simply Turn Handle Over

	Each	
No. M355—Satin Nickel Finish; Length, 8 inches; Weight Each 12 ozs; Weight Each, ¾ lb.	$1 50	1.00

One in a Carton

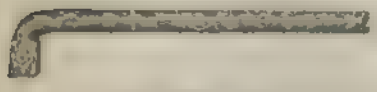
SOLID "T" HANDLE

For Equipment Purposes, this Solid "Tee" Handle is Ideal

Made of ½ inch Special Bar Steel.

	Each	
No. M331—Length, 4 inches; Width, 7½ inches; Burnished Nickel Finish; Weight Each, 9½ lbs.	$0 75	.50

Six in a Carton



OFFSET SOCKET WRENCH HANDLE

An Offset Socket Handle of Good Length for Leverage and Overstrong for Service. Made of ½ inch Steel Bar

	Each	
No. M320—Length, 10 inches; Burnished Nickel Finish; Weight Each, 7¾ lbs.	$0 40	.25

Twelve in a Carton

SPEEDER TYPE HANDLE

For Interchangeable Sockets.

A Speeder Handle for All Interchangeable Sockets, and with these Sockets the Handle Produces Speed Brace to Wrenches of Sizes from ¼ to 1⅛ inches. Made of Special ½ inch Steel Bar.

	Each	
No. M360—Length, 18¼ inches; Burnished Nickel Finish; Weight Each, 9½ lbs.	$1 10	.75

Six in a Carton

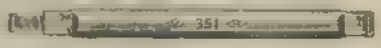
SOCKET WRENCH HANDLES
MOSSBERG

UNIVERSAL JOINT

Allows the Direct Application of Socket Wrenches Upon Nuts and Set Screws in the Most Inaccessible Places; May be Used at Any Angle, Yet Takes Direct Power; Used with Long Extension or ⅜ inch Square Socket.

	Each	
No. M338—Length, 4 inches; Rust Proof Black Finish; Weight per Dozen, 6 lbs.	$0 75	.50

Twelve in a Carton



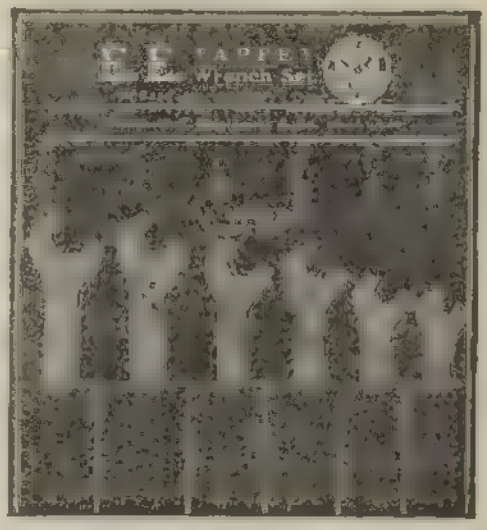
EXTENSION BAR

For Use with Ratchet Handle, Screw Driver Bit, Universal Joint, and All Sockets.

	Each	
No. M351—Length, 9½ inches; Burnished Nickel Finish; Weight Each, 8¼ lbs.	$0 80	.55

Twelve in a Carton

TAPPET WRENCH SETS
EDELMAN

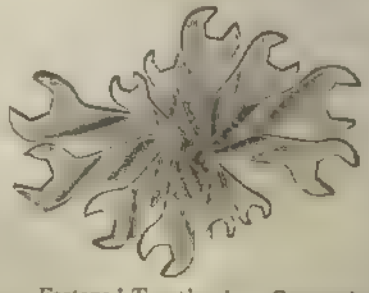


A New Set of Thin Wrenches, Made of Best Grade of Steel, Properly Case Hardened and Nicely Finished, Comprising the Following Sizes: ¼, 5/16, 11/32, 23/64, 7/16, 15/32.

There are Six Double End Wrenches, Two of Each Size for Adjusting Valve Tappets. This Set Will Take Care of Valve Tappet of Almost Every Car Made.

	Per Set
No. TWS—Weight per Set, 2 lbs.	$1 60

One Set in a Leatherette Case



SEXTO

Set Composed of Six Very Thin Wrenches with an Opening at Each End, Which are so Made that They Will Get into All Kinds of Corners.

Will Handle the Following Sizes: ¼ inch, 5/16 inch, ⅜ inch, 7/16 inch, 11/32 inch, 15/32 inch, 23/64 inch, ½ inch, 17/32 inch and 9/16 inch.

Fastened Together by a Connecting Screw, Making a Neat, Compact Set.

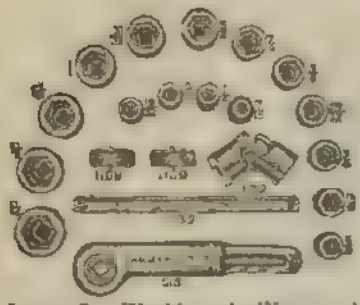
Handsome Display Stand Furnished with Every Order of 15 or More Sets.

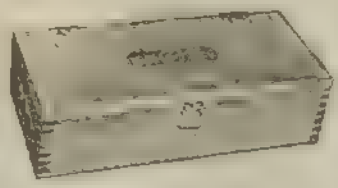
	Per Dozen
No. SR—Fully Nickel Plated and Polished; Weight per Dozen, ¾ lb.	$10 80

One Set in a Box, Fifteen in a Display Case

WALDEN WRENCHES

In Sets





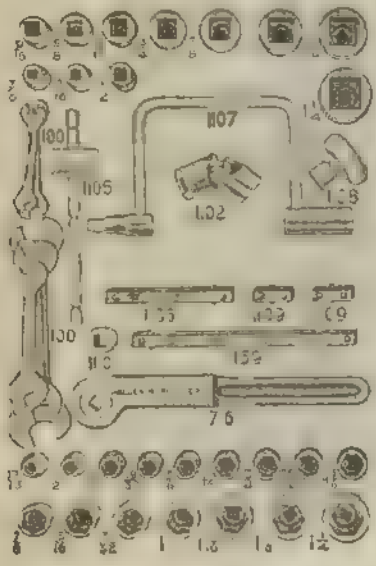
A Most Desirable Socket Wrench Set for the Car Owner's Use and for General Service Where the Purchase of the Larger Sets Would not be Warranted. Assortment Covers All the Various Bolts and Nut Standards. Packed in Mission Finished Wood Box, Size 12x6¼x2⅝ inches.

Contents

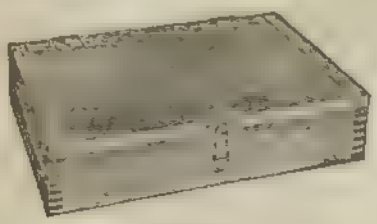
No. 616—9 inch Ratchet Wrench.
No. 1139—9 inch Extension Bar.
No. 1102—Universal Joint.
16 Sockets—Hexagonal ⅜, ½, ⅝, ¾, ⅞, 1, 1⅛, 1¼, and 1⅜.

	Per Set	
No. 16—21 Piece Set; Weight per Set, 11 lbs	$10 80	13 20

One Set in a Wooden Box



A Complete, Heavy Duty Socket Wrench Set for Use by Mechanics or Millwrights in Service Station, Garage or General Factory and Mill Service Packed in Mission Finished Wood Box. Size 10x10½x2⅝ inches.



Contents

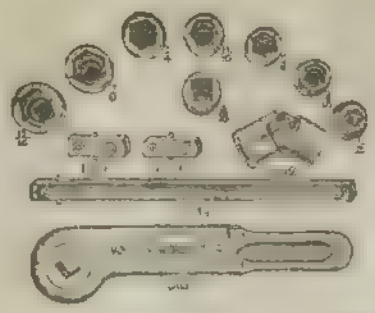
No. 716—12 inch Ratchet Wrench.
No. 1139—9 inch Extension Bar.
No. 1104—Combination T and Offset Wrench.
No. 1102—Universal Joint.
No. 1178—Brace Socket Wrench.
No. 1109—Plug Connector.
No. 1110—Socket Connector (2).
16 Hexagonal Sockets—⅜, ½, ⅝, ¾, ⅞, 1, 1⅛, 1¼, 1⅜, and 1½.
11 Square Sockets—¾, ⅞, ½, ⅜, ⅝, ¾, ⅞, 1, 1⅛, and 1¼.
No. 100 Set—5 Open End Wrenches.

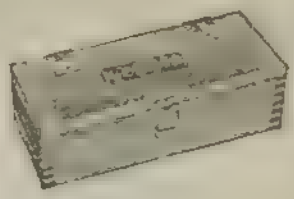
	Per Set	
No. 27—42 Pieces; Weight per Set, 25 lbs.....	$36 80	24.20

One Set in a Wooden Box

WALDEN WRENCHES

In Sets





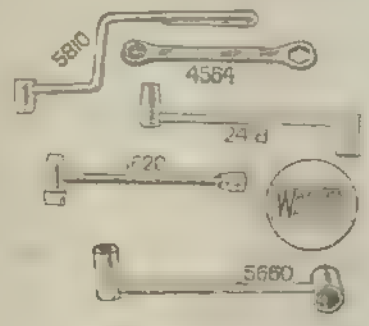
A Complete Assortment for [illegible] on Ford Cars. Packed in Mission Finished Wood Box 10⅞x4x2⅝ inches.

Contents

No. 616—9 inch Ratchet Wrench, No. 1139—9 inch Extension Bar, No. 1102 Universal Joint; 7 Sockets—Hexagonal ½, ⅝, ¾, ⅞, ¾, ⅞, ⅞. 1 Socket Square ⅜.

	Per Set	
No. 8—13 Piece Set, Weight per Set, 7 lbs	$14 90	[illegible]

One Set in a Wooden Box



For Ford Cars

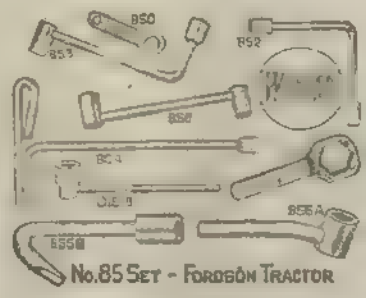
This Set of Five Tools is All that is Needed by the Average Ford Owner for Repairing.

Contents

1—No. 320—Triple Socket Wrench
1—No. 5810—Connecting Rod Wrench.
1—No. [illegible] Ratchet Wrench.
1—No. [illegible] riple Socket Offset Wrench.
1—No. 2418—Double Socket Offset Wrench.

	Per Set	
No. 57—5 Pieces; Weight per Set, 5 [illegible]	$6 90	4.65

One Set in a Wooden Box



For Fordson Tractors

These Wrenches Will be Found to Answer the Demands of Either Farmer or Expert Repair Man in Making Repairs and Adjustments on Fordson Tractors in Quickest Possible Time.

Contents

No. 850—⅜ inch Hexagon Socket, Length 5 inches.
No. 852—[illegible] inch and ½ inch Hexagon Socket, Length 6¼ by [illegible] inches.
No. 853—⅜ inch Square and ⅞ inch Hexagon Socket, Length 9 by 4¼ inches.
No. 854—¾ inch Hexagon Socket, Shank 15 inches. Handle 8 inches.
No. 855A—1⅛ inch Hexagon Socket, Length 9¾ inches.
No. 855B—Pry Bar, Length 9¾ inches.
No. 856—¾ inch and ⅞ inch Hexagon Socket.
No. 01516—⅜ inch Hexagon Socket, Length 10 inches.

	Per Set	
No. 85—Set Consisting of One Each of the Above [illegible] Box 10[illegible] inches; Weight per Set, 13½ lbs...	$13 20	8 80

One Set in a Wooden Box

"Willard" Banjo Clocks

As designed and made by Edw. K. Willard in London, Eng., in 1801. Introduced to the American trade in 1812. Decorated glass, cast gilt and wood trimmings.

No. 1/624 WARING
Mahogany finish. Height, 33 in., width, 11½ in. Eight-day. 8 in. silver dial
Pendulum time..... $27.50
Pendulum cathedral gong... 29.70

No. 2/624 WILSON. Price, $61.00
Height, 40¼ in., width, 13¼ in. 8 in silver dial. Solid mahogany. Thirty-day pendulum time.

No. 3/624 WAYLAND. Price, $34.80
Height, 26 in., width, 9½ in. Dial silver finish, 6 in. Solid mahogany case. Eight-day pendulum time. Cast sash. Beveled convex glass.

No. 4/624 WELTON. Price, $24.20
Height, 25½ in., width, 8¾ in. 6 in. silver dial. Solid mahogany. Eight-day pendulum time.

No. 5 624 DAYTON. Price, $14.80
Mahogany finish. Height, 9 in.; width 13 in. 5 in. dial. Eight-day. Hour and half-hour strike on cathedral gong. Ansonia movement.

No. 6 624 GOTHIC. Price, $24.00
Genuine mahogany. Height, 9⅞ in.; width, 8¾ in. 5 in. silver dial. Convex glass. Eight-day. Hour and half-hour strike on cathedral gong. Ansonia movement.

No. 8/624 DULUTH. Price, $14.80
Mahogany finish. Height, 9 in.; width, 13 in. 5 in. dial. Hour and half hour strike on cathedral gong. Ansonia movement.

No. 9 624 DETROIT. Price, $14.80
Mahogany finish. Height, 9 in.; width, 13 in. 5 in. dial. Eight-day. Hour and half-hour strike on cathedral gong. Ansonia movement.

No. 7, 624 WILLMAR.
Price, $18.85.
Eight-day lever time. Height, 16⅝ in. Width, 5 in. Solid mahogany. 3½ in. silver or porcelain dial.

Mahogany and Ivory Finished Boudoir Clocks

Fitted With One-Day Time Movement. Each One Fully Guaranteed.

ICON CLOCK

No. 1/626 Width, 7¾ in.; height 4 in.; 2 in. porcelain dial beveled glass. New Haven 1-day time movement. Mahogany finished case. Price $5.50

IONIA CLOCK

No. 2/626 Height, 4¼ in.; width, 3½ in.; 2 in. porcelain dial beveled glass. New Haven 1 day time movement. Mahogany finished case. Price...$5.25

IRA CLOCK

No. 3/626 Width, 5¾ in.; height 3¾ in. 2 in porcelain dial, beveled glass. Mahogany finished case. New Haven 1 day time movement. Price.....$5.50

AMBER CLOCK

No 4/626 Mahogany finish. Waterbury, 1-day time, 2 in paper dial, beveled glass. Height, 4½ in. Price.....$6.20

ANTRIM

No. 5/626 Mahogany finish. 1-day, time. 2 in. paper dial. Beveled glass. Height, 3½ in. Price $6.20

ANSON

No. 6/626 Mahogany finish. 1 day time. 2 in paper dial. Beveled glass, Height, 4¼ in. Price each $6.20

IRA IVORY ENAMELED CLOCK

No. 7/626 Old ivory enameled finish. 1 day New Haven time movement. 2 in. porcelain dial, beveled glass. Height, 3¾ in.; width, 5¾ in. Price $6.25

No. 8/626 With radium dial. Price 8.45

IDEAL IVORY ENAMELED CLOCK

No. 9/626 Old ivory enameled finish. 1-day New Haven time movement. 2 in. porcelain dial and beveled glass. Height 4¼ in.; width, 3¾ in. Price, $6.00

ION IVORY ENAMELED CLOCK

No. 10/626 Old ivory enameled finish. 1 day New Haven time movement. 2 in porcelain dial and beveled glass. Height, 4 in.; width, 3 in. Price $6.55

No. 11/626 With radium dial. Price..... 8.75

Mahogany Finish Boudoir Clocks

Ansonia Lever Movements. One and Eight-Day Time and One-Day Alarm.

BOUDOIR No. 68/626

Height, 3¾ in.; width, 6⅝ in.

No. 682, 626 One day, time, plain dial $5.00

No. 683 626 One day intermitting alarm silver dial $8.80

No. 684, 626 Eight day, time, silver dial $8.40

Radium dial additional, $1.40

BOUDOIR No. 71/626

Height, 3¾ in; width, 6½ in.

No 712, 626 One day, time, plain dial $5.00

No 713 626 One day, intermitting alarm silver dial $8.80

No. 714, 626 Eight day, time silver dial $8.40

Radium dial additional, $1.40

BOUDOIR No. 70/626

Height, 4 in.; width, 7 in.

No 702, 626 One day, time, plain dial $5.00

No 703 626 One day, intermitting alarm silver dial. $8.80

No 704 626 Eight day, time silver dial $8.40

Radium dial additional, $1.40

BOUDOIR No. 69/626

Height, 4 in; width, 6⅝ in.

No. 692 626 One day, time plain dial $5.00

No 693 626 One-day, intermitting alarm silver dial $8.80

No. 694/626 Eight day time, silver dial $8.40

Radium dial additional, $1.40

CROCKERY DEPARTMENT

Ask any merchant who knows and he will tell you that you save money on any bill of crockery that you buy from these pages. It pays to study these prices every month.

HAMPTON GOLD BAND

EDWIN M. KNOWLES, trademarked. Light weight, pure white, semi-porcelain, highly glazed, attractive plain shape, 3-16 in. gold band edge and gold traced handles.

E15890—42 PIECE SET
Shipping weight about 40 lbs. SET $5.10
E15890 50 PIECE SET
Shipping weight about 50 lbs. SET. $7.20
E15893—100 PIECE SET.
Shipping wt. about 90 lbs. SET $14.85

OPEN STOCK

CUPS AND SAUCERS—
E15900—Fancy tea. cup 3½x2¼, saucer 5½ ... Doz. $2.25
E15901—Fancy tea cup 3½x2½, saucer 5½ ... Doz. $2.25

PLATES—
E15910—4 in. act. 5¼ ... $1.08
E15911—5 " " 7¼ ... 1.20
E15912—6 " " 8 ... 1.44
E15913—7 " " 8¾ ... 1.68
E15914—8 " " 10 ... 2.32
E15916—Deep soup, 7 in., act. 8¾ ... 2.16
E15917—Coupe soup, 7 in., act. 8¾ ... 1.68

BAKER—
E15924—7 in., act. 9¾ ... Doz. $3.26

BOWLS—
E15930—36's ... Doz. $2.16
E15931—30's ... 2.68

PLATTER—
E15945—8 in. act. 11¾ ... Doz. $2.88
E15946—10 " 14 " 4.98
E15947—12 " 18¾ " 4.26

SALADS—
E15952—7 in. act. 8¾ ... Doz. $3.25
E15953—8 " 10" " 4.85

FRUIT—
E15960—4 in. act. 5¾ ... Doz. $0.92

OATMEAL—
E15965— ... Doz. $1.68

CREAMER—
E15934 ... Doz. $3.25

SUGAR BOWL—
E15977— ... Doz. $3.50

BUTTER DISH—
E15975— ... Doz. $9.75

COVERED DISH—
E15980 ... Doz. $11.50

CASSEROLE—
E15983 ... Doz. $13.20

SAUCE BOAT—
E15985— ... Doz. $4.50

PICKLE DISH—
E15986— ... Doz. $3.25

PRESIDENTIAL

MEDALLION BORDER

"HOMER LAUGHLIN" trademarked. "Kwaker" shape, white semi-porcelain, blue, green, pink and yellow conventional medallion urn and ornament border with connecting dark blue hairlines, gold edges and striped handles on hollow pieces. **Open stock,** sold in any quantity. **No Package Charge**

DINNER SETS

E13790—42 piece set.
Shipping weight about 40 lbs. SET $6.50

E13796—50 piece set.
Shipping weight about 50 lbs. SET $9.05

E13793—100 piece set.
Shipping weight about 90 lbs. SET. $16.85

For composition of sets see bottom of page.

CUPS AND SAUCERS
E13700—Tea 3½x2¼ in., saucer 5½ ... Doz. $2.95
E13705 [illegible] ... Doz. $3.50

PLATES—
E13710—4 in. act. 6 ... Doz. $1.32
E13711—5 " " 7 ... 1.80
E13712 6 " 8 ... 1.86
E13713 7 " 9 ... 2.40
E13714 8 " 10 ... 2.88
E13717 Coupe soup, 7 in., act. 7¼ ... Doz. $2.40

OPEN STOCK

DISH
E13724—7 in. act. 8½ ... Doz. $4.00

BOWL—
E13731 ... Doz. $3.40

PLATTERS—
E13745—8 in. act. 11 in. ... Doz. $3.50
E13746—10 " 13½ " ... 8.00
E13747—12 " 18¾ " ... 10.80

SALAD—
E13753—7 in., act. 8½ ... Doz. $4.00

FRUIT—
E13760 4 in. act. 5¾ ... Doz. $1.05

OATMEAL—
E13765—36's ... Doz. $2.15

CREAMER—
E13777—36's ... Doz. $4.00

COVERED SUGAR—
E13778—36's ... Doz. $7.95

COVERED BUTTER—With drainer
E13779 ... Doz. $11.85

COVERED DISH Oval
E13780—7 in. ... Doz. $12.95

CASSEROLE—Round,
E13785—7 in. ... Doz. $15.95

SAUCE BOAT—With stand.
E13794 ... Doz. $11.95

PICKLE DISH
E13795—8½x3½ in. ... Doz. $4.00

Composition of Our Dinner Sets

31 Piece Set

6 tea cups.	6 plates, 4 in.
6 saucers	6 fruits, 4 in.
6 plates, 8 in.	1 platter 8 in.

We will give you quotations on any set you think you can sell.

42 Piece Set

6 tea cups.	1 bowl, 30's.
6 saucers	1 platter 8 in.
6 plates 4 in.	6 fruits 4 in.
6 plates, 7 in.	1 covd sugar (2 pcs.)
6 plates, 7 in.	1 creamer
1 baker 7 in.	

50 Piece Set

6 tea cups.	1 nappy, 7 in.
6 saucers	1 bowl, 30's.
6 plates 4 in.	1 dish 10 in.
6 plates, 5 in.	1 creamer
6 plates, 7 in.	1 covd sugar (2 pcs.)
6 coupe soups	1 covd. dish (3 pcs.)
6 fruits 4 in.	

100 Piece Set

12 tea cups.	12 fruits, 4 in.
12 saucers.	1 covd. sugar (2 pcs.)
12 plates 4 in.	1 creamer
12 plates 5 in.	1 butter dish 3 pcs.
12 plates 7 in.	1 casserole 2 pcs.
12 coupe soups	1 covd. dish 3 in. (2 pcs.
1 baker 7 in.	
1 platter 8 in.	1 sauce boat (2 pcs.
1 platter 12 in.	1 pickle dish

SEMI-PORCELAIN DINNER SETS—Continued

"Bungalow Blue"—Light weight semi-porcelain, first selection, plain shape, deep blue edges and inner line with shaded blue blossoms and leaf and medallions, decorated covers, blue striped handles and knobs. No Package Charge.

E12590—42 piece set.

6 tea cups, 6 saucers, 6 plates, 4 in., 6 plates, 5 in., 6 plates, 6 in., 1 baker, 7 in.
1 bowl 80's, 1 platter, 8 in., 6 fruits, 4 in., 1 covd. sugar (2 pcs.), 1 creamer.
Shipping weight about 90 lbs. SET (42 pcs.) **$6.95**

E12593—100 piece set.

12 tea cups, 12 saucers, 12 plates, 6 in., 12 plates, 7 in., 12 soups, 1 baker, 7 in., 1 platter, 10 in., 1 platter, 8 in., 1 creamer, 1 butter dish (3 pcs.), 1 casserole (2 pcs.), 1 covd. dish, 7 in. (2 pcs.), 1 sauce boat (2 pcs.), 1 pickle dish.
Shipping weight about 90 lbs. SET (100 pcs.) **$21.95**

Floral Border—Light weight American semi-porcelain, Empress shape, rose bouquet with green and yellow leaf and forget-me-nots, gold band edges. No Package Charge.

E42237—100 piece set.

12 tea cups, 12 saucers, 12 plates, 6 in., 12 plates, 7 in., 12 soups, 1 baker, 7 in., 1 platter, 8 in., 1 platter, 10 in., 1 creamer, 1 covd. sugar (2 pcs.), 1 butter dish (3 pcs.), 1 casserole (2 pcs.), 1 covd. dish, 7 in. (2 pcs.), 1 sauce boat (3 pcs.), 1 pickle dish.
Shipping weight about 90 lbs. SET (100 pcs.) **$22.95**

"Ticiolo"—High grade light weight American semi-porcelain, richly tinted with blue edges and inner verge line, blue medallion with white flowers and green leaves, plain shape, traced handles and knobs. No Package Charge.

E42151—50 piece set.

6 tea cups, 6 saucers, 6 plates, 6 in., 6 plates, 8 in., 6 plates, 7 in., 5 coupe soups, 6 fruits, 4 in., 1 nappy, 7 in., 1 bowl, 9 in., 1 dish, 10 in., 1 creamer, 1 covd. sugar (2 pcs.), 1 covd. dish (2 pcs.).
Shipping weight about 50 lbs. SET (50 pcs.) **$11.25**

E42251—100 piece set.

12 tea cups, 12 saucers, 12 plates, 6 in., 12 plates, 8 in., 12 plates, 7 in., 12 coupe soups, 1 baker, 7 in., 1 platter, 8 in., 1 platter, 10 in., 12 fruits, 4 in., 1 covd. sugar (2 pcs.), 1 creamer, 1 butter dish (3 pcs.), 1 casserole (2 pcs.), 1 covd. dish, 7 in. (2 pcs.), 1 sauce boat (2 pcs.), 1 pickle dish.
Shipping weight about 90 lbs. SET (100 pcs.) **$23.50**

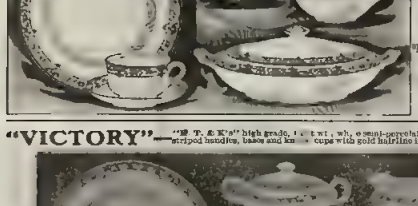
"Palatial"—Extra fine Knowles' trademarked, Light weight semi-porcelain, plain shape, [illegible] ornaments, [illegible] vines and cameo-like cartouches—making these dishes and sets durable—rose garland sprays on ivory ground, hung with flower baskets in artist design, blue band edge, all pieces with gold edges and traced handles. No Package Charge.

E16690—42 piece set.

6 tea cups, 6 saucers, 6 plates, 6 in., 6 plates, 8 in., 6 plates, 7 in., 1 bowl, 80's, 1 platter, 8 in., 6 fruits, 4 in., 1 creamer, 1 covd. sugar (2 pcs.), 1 baker, 7 in.
Shipping weight about 40 lbs. SET (42 pcs.) **$10.25**

E16693—100 piece set.

12 tea cups, 12 saucers, 12 plates, 6 in., 12 plates, 8 in., 12 plates, 7 in., 12 coupe soups, 1 platter, 8 in., 1 platter, 10 in., 12 fruits, 4 in., 1 covd. sugar (2 pcs.), 1 creamer, 1 butter dish (3 pcs.), 1 casserole (2 pcs.), 1 covd. dish, 7 in. (2 pcs.), 1 sauce boat (2 pcs.), 1 pickle dish.
Shipping weight about 90 lbs. SET (100 pcs.) **$28.50**



"Venetian Border"—Good quality pure white highly glazed trademarked semi-porcelain, pink terra cotta, green and yellow rose & dahlia sprays and foliage border, brown guilloué [illegible] framing with medallions of conventionalized blue floral clusters on black background, gold edges, gold ornamented fancy shaped and striped base of hollow pieces, gold hairline on inside of cup. No Package Charge.

E42146—50 piece set.

6 tea cups, 6 saucers, 6 plates, 6 in., 6 plates, 9 in., 6 coupe soups, 1 baker, 7 in., 1 bowl, 90's, 1 platter, 10 in., 6 fruits, 4 in., 1 covd. sugar (2 pcs.), 1 creamer, 1 covd. dish, 7 in. (2 pcs.)
Shipping weight about 48 lbs. SET (50 pcs.) **$15.25**

E42246—100 piece set.

12 tea cups, 12 saucers, 12 plates, 6 in., 12 plates, 9 in., 12 plates, 7 in., 12 coupe soups, 1 baker, 7 in., 1 platter, 8 in., 1 platter, 12 in., 12 fruits, 4 in., 1 sugar & creamer (3 pcs.), 1 butter (3 pcs.), 1 casserole (2 pcs.), 1 dish, 7 in. (2 pcs.), 1 sauce boat (2 pcs.), 1 pickle dish.
Shipping weight about 90 lbs. SET (100 pcs.) **$30.25**

"VICTORY"—"H. T. & K's" high grade, light weight, semi-porcelain, tinted blue, pink and green medallions and rose clusters on canary bead, gold edges, gold striped handles, base and knob of cup with gold hairline inside. No Package Charge.

DINNER SETS

E15590—42 piece set.
Shipping weight about 40 lbs. SET, **$9.70**

E15596—50 piece set.
Shipping weight about 50 lbs. SET Out

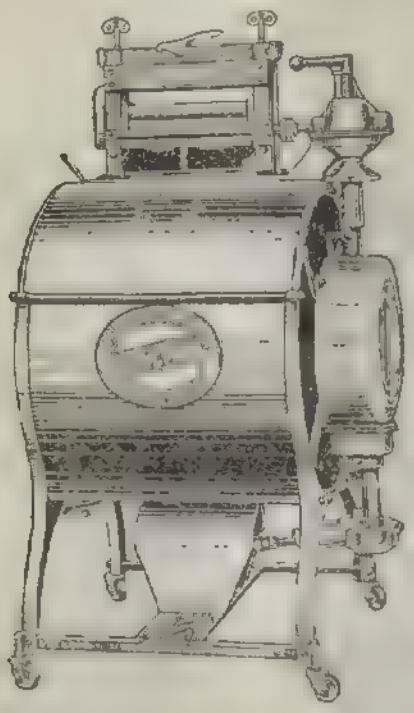
E15593—100 piece set.
Shipping weight about 90 lbs. SET, Out

ELECTRIC WASHING MACHINES

HUMANITY

The Humanity Electric Clothes Washer has Combined the Two Best Known Ways of Washing Into One, Namely the Oscillating and Cylindrical, and Affords the Most Desired Results.

The Humanity Washes the Daintiest Garments Without the Slightest Wear or Tear.



The Cylinder is Made of Aluminum—The Holes are **Cupped Out**, which Strengthens the Cylinder and Acts the Same as a Suction Pump, Forcing the Water Through the Clothes Both Ways.

All Units are Self Lubricating with Oilless Bearings which has Sufficient Oil to Last at Least a Year.

All Units are Interchangeable and any Part can be Replaced in a Short Time.

Swinging Wringer, is Electrically Operated, is Rigid Self Supporting and Swings in Complete Circle, has Four Locking Positions. Has 12 inch Rolls and a Safety Release. Both the Wringer and Washer can be Operated at the Same Time or Separately.

Motor—Be Sure to Specify Alternating or Direct Current.

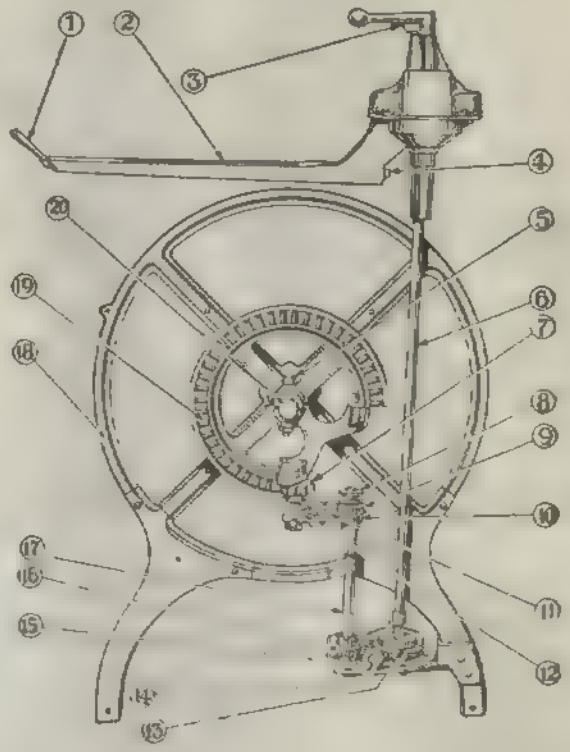
Motor—110 Volts, 60 Cycles, ¼ Horse Power.

No Springs—No Belts; All Moving Parts are Enclosed; Water can not get into Gear Case; Gearings are Made of Cut Steel and Run Noiseless.

The Humanity Machine itself has the ⅛ Movement, which Gives the Cylindrical Effect, and as it Reverses on a ⅜ Movement, it Gives also the Advantages of the Oscillating Type, and this ⅛ Movement Prevents the Clothes from Turning Over, which is the Only Disadvantage of the Full Cylindrical Type.

	Each
No. HGT—Galvanized Tub, Aluminum Cylinder.	$135.00 **$202.50**
No. HLT—Copper Tub; Aluminum Cylinder	150.00 **225.00**

PATENTED MECHANICAL FEATURES



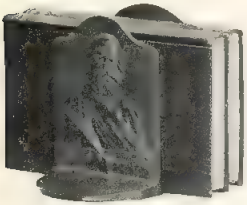
1 Wringer Latch Control
2 Swinging Wringer Support
3 Wringer Control
4 Wringer Pivot
5 Oilless Bearing
6 Wringer Drive Shaft
7 Malleable Star Gear
8 Steel Clutch
9 Steel Clutch Lever
10 Swinging Arm
11 Steel Idler Gear
12 Steel Cylinder Drive Pinion
13 Steel Wringer Worm Wheel
14 Ball Bearing Worm Thrust
15 Bronze Worm
16 Steel Cylinder Drive Worm Wheel
17 Cylinder Drive Shaft
18 Steel Frame
19 Malleable Master Wheel
20 Steel Trenion Shaft

THERE IS NOTHING TO GET OUT OF ORDER

This Patented Mechanism Insures No Sudden Stopping of Gears in Reversing the Cylinder, as it is a Continuous, Frictionless Drive.

Book ends

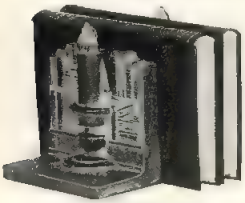
The ideal gifts for year 'round giving



1064 Longfellow book ends

Made entirely of metal in a rich bronze finish. Price on this Book end is extremely low. Height, 5 inches; width, 3¾ inches.

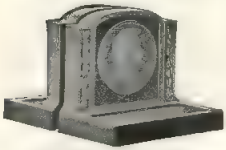
Per pair, $1.80
Package of 6 pairs, per pair $1.60



1175 Study book end

A metal book end; a design out of the ordinary. Finish antique bronze leather effect. Height, 5 inches; width, 4 inches

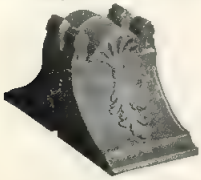
Per pair, $4.00
Package of 6 pairs, per pair 3.60



1067 Lincoln book ends

Made entirely of metal, finished in a rich shade of bronze. The medallion of Lincoln is symbolic of the man—plain and dignified Height, 4¾ inches, width, 5½ inches

Per pair, $8.00
Package of 6 pairs, per pair 7.50



1070 Polychrome hand carved wood book blocks

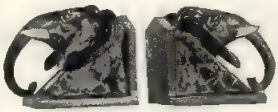
This wonderful gift item must be seen to be appreciated. Burnished antique finish. Size, 6½ inches high by 5 inches wide.

Per pair, $6.20
Package of 6 pairs, per pair, 5.70

1065 Thinker book ends

A good reproduction of this famous design Made entirely of solid metal and finished in antique bronze. Height, 5 inches, width, 3¾ inches

Per pair, $1.80
Package of 6 pairs, per pair 1.60

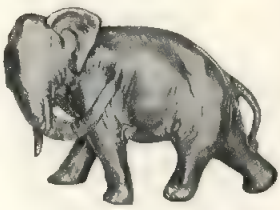


1176 Elephant book end

A high grade article of more than usual merit. The metal is finished in a very attractive shade of bronze

Height, 4 inches, width, 3¾ inches

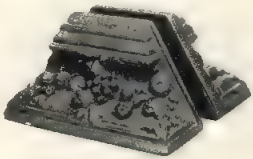
Per pair, $9.50



1178 Elephant

Table ornament or paper weight The elephant (omen of good luck) is always acceptable The metal has a rich royal bronze finish. Height, 3¾ inches; length, 5½ inches

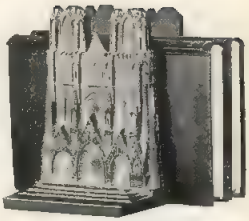
Each, $2.20



1074 Fruit design book ends

Made of hard composition with delicate polychrome colorings.

Per pair, $1.80
Package of 6 pairs, per pair, 1.60



1174 Cathedral book end

A very effective design and a ready selling item. Made of metal and finished in antique bronze leather effect

Height, 5½ inches, width, 4 inches

Per pair, $4.00
Package of 6 pairs, per pair 3.60

1177 Owl book end

The best and most original book end we are showing The finish of the metal is a dull Doric gold "Wise As An Owl"

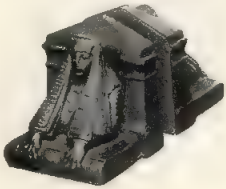
Height, 8½ inches, width, 5 inches

Per pair, $11.00

1069 Polychrome hand carved wood book blocks

It is impossible to describe the artistic blending of soft colors used on this Book End Size, 5 inches high by 5 inches wide

Per pair, $6.00
Package of 6 pairs, per pair, 5.50



1075 Egyptian book ends

Material is of hard composition. Finished antique bronze, burnished

Per pair, $1.80
Package of 6 pairs, per pair, 1.60

OIL LAMPS & FOUNTS

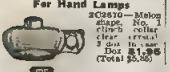
NO. 2 GLASS COLLAR REFLECTOR FOUNTS

2C7661 — No. 2 Collar, ... brass ... with ... reflector ... and 2C7664 reflecting lamps, 3¾ in. high, glass oil base, ... 1 doz. in carton, 10 lbs. Doz. **$1.45** (Total $4.35)

2C2659 — No. 2 glass collar, threaded brass lining, cap. 1¼ pts., 1 doz. in case, 10 lbs. Doz. **$2.50**

GLASS COLLAR CRYSTAL FOUNTS

For Hand Lamps



2C2670 — Melon shape, No. 1 clinch collar, clear crystal, 3 doz. in case, 10 lbs. Doz **$1.95** (Total $5.85)

2C2664 — 3 styles, No. 1 glass collars, brass threads, one-piece glass founts, capacity ¾ pint, assted 2 doz. each, 3¾ in. low hand lamps, 6¼ in. high hand lamp, 8 in. stand lamp, Assted, 6 doz. in bbl., 138 lbs. (Total ... 9) Doz. Out

2C2671 — 3 styles, hand lamp, No. 1 ... collars, cap ... plain, ... metal and ... patterns, 1¼ pint each, Assted 4 doz. in bbl., 15 lbs. Doz. **$2.75** (Total $11.00)

LAMP FOUNT ASSORTMENT

Plaster Set Brass Collar

2C9073 — 3 styles, ... plaster set brass collar, ... and ... cut Asst. consisting of 4 doz. 8 in. ... 1 doz. 10 in. ... 1 doz. 12 in. ... Assted 2½ doz. pts. ... lbs. ... al $8.33) Doz. **$3.25**

LAMP BURNERS

Burners to fit any oil lamp are listed

ON PAGE 36

LAMP WICKS

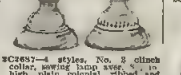
No wicks are included with any of these lamps, but are listed ON PAGE 348

CRYSTAL LAMP FOUNT ASSORTMENTS

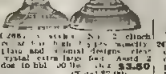
Clinch Collar

2C2685 — 3 styles, No. 2 clinch collar, asst. 6 in. high, cap. 1½ pts., plain, colonial and ribbed designs, Assted. 1½ doz. in case. Doz. **$2.75** (Total $6 15)

2C2687 — 4 styles, No. 2 clinch collar, sewing lamp, asst. ... in. high, colonial, ribbed and melon designs, Assted, 1 doz. in case. Doz **$3.50**



2C2698 — 3 styles, No. 2 clinch collar, ... in. high, ... cap. ... pts., ... and colonial designs, clear crystal, extra large font, Assted 2 doz. to bbl., 90 lbs. Doz. **$3.50** (Total $7.00)



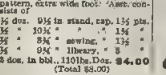
2C2710 — 4 styles, No. 2 clinch collars, bright shiny crystal, melon pattern, extra wide font. Asst. consisted of

½ doz.	9½ in	stand, cap. 1½ pts.	
½ "	10¾ "	" 1¾ "	
½ "	8¾ "	sewing, " 1 "	
½ "	9¾ "	library, " 3 "	

2 doz. in bbl., 110 lbs. Doz. **$4.00** (Total $8.00)

CRYSTAL LAMP FOUNT ASSORTMENT

Glass Collar



2C2686 — 4 styles, No. 2 glass collars, asst. 8½ in., clear crystal, asst. ½ doz. each style, Assted 4 doz. in bbl. 105 lbs. Doz. **$3.75** (Total $7.50)

CRYSTAL STAND LAMP FOUNT ASST.

Fitted with Riverside collar—the finest clinch-on collar made.

2C2800 — 3 styles, No. 2 Riverside clinch-on collars, for sewing lamp size, plain and colonial cut patterns, Assted 2 doz. in bbl., 100 lbs. Doz **$3.75** (Total $7.50)

COMPLETE CRYSTAL STAND LAMPS

Burner, Fount and Chimney

2C2717 — 2 styles, No. 2 clinch collar, ... good clear crystal lamps and fount patterns, embossed ... burner with burners. Asstd 1½ doz. in bdl., 86 lbs. Doz **$6.25** (Total $...)

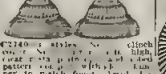
Complete Lamp — Brass fount, nickel plated, 10 in. ring shade holder improved "Rayo" burner, complete with four pointed, ribbed shade and genuine "Rayo" chimney.

2C2928 — 6 in. pkg., 65 lbs. Each **$3.75** (Total $...)

2C2535 — Rayo ... chimney, 2¼ in. fitter, mica top 3 doz. in case. Doz **$1.40** Total $1...

2C2642 — Rayo shade holder, 15 in. ... Doz **$8.95**

2C2928 — 6 "Rayo" burner in case ... Each **$0...**



2C2740 — 4 styles, No. ... clinch collar, ... in. high, ... cap. ... pts., ... and ... patterns, ... with ... ings, ... Asstd ... doz. in bbl., 80 lbs. Doz. Out

2C2731 — 3 styles, No. ... clinch collar, No. 1 burner, 10½ in. high, cap 1 pt., plain clear crystal plain and floral patterns, complete with No. 2 burner and globe chimney, ½ doz. each style. Asstd. 1½ doz. in bbl., 80 lbs. (Total $9.37) Doz. **$6.95**

2C2745 — Extra large, No. 2 clinch collar, No. 3 burners, 20 in. high, 2½ pint capacity, clear crystal, lacking ribbed colonial design, with burner and chimney, 1 doz. in bbl., 80 lbs. ..... Doz **$7.75**

2C2784 — 3 designs, asst. ... in. high, No. 2 clinch collar, No. 2 burner, square shape, ... key border on fount and chimney, American Beauty rose decoration over mixed ... pink and ivory backgrounds. Asstd 1 doz. in bbl. Doz **$9.95**

2C2756 — 3 styles, 17½ in. ... high, No. 2 clinch collar, ... burner, clear crystal ... fount and chimney. Asstd 1 doz. in bbl., 70 lbs. Doz **$10.25**

"RAYO" NICKELED BRASS TABLE LAMP

Complete Lamp — Brass fount, nickel plated, 10 in. ring shade holder improved "Rayo" burner, complete with four pointed, ribbed shade and genuine "Rayo" chimney.

2C2928 — 6 in. pkg., 65 lbs. Each **$3.75** (Total $...)

2C2535 — Rayo ... chimney, 2¼ in. fitter, mica top 3 doz. in case. Doz **$1.40** Total $1...

2C2642 — Rayo shade holder, 15 in. ... Doz **$8.95**

2C2928 — 6 "Rayo" burner in case ... Each **$0...**

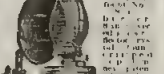
REFLECTOR LAMPS AND FOUNTS

2C2502 — Leader No. 3 brass collar lamp, heavy brass ... reflector, ... complete ... perfector bead ... 1 pkg. 2 lbs. Each **$2.75**

2C1501 — Junior ... burner, ... 1¼ in. ... 2 in. reflector, 1½ in. fount, 1 doz. in pkg., 22 lbs. Doz **$2.75**

BRACKET LAMPS

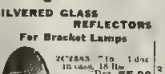
2C3528 — ... crystal ... collar, ... silver ... chimney, ... opening, ... 1 inch ... burner, ... 10 in. ... Doz. Out



2C3529 — ... fount, ... burner, ... collar, ... 10 in. ... Doz. Out

SILVERED GLASS REFLECTORS

For Bracket Lamps



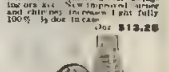
2C2853 — 7 in. ... 1 doz. in case, 18 lbs. Doz **$5.00**

2C2343 — 8 in. ... 1 doz. in case, 30 lbs. Temp. Out

2C2856 — 10 in. ... 1 doz. in case, 40 lbs. Temp. Out

BRACKET LAMPS

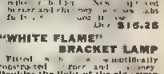
2C3526 — ... crystal filter founts, No. ... in. ... and chimney, ... with ... glass ... Nickel ... improved ... and chimney, ... lamps that fully 100% ... 6 doz. in case. Doz **$13.25**



2C3527 — ... crystal filter fount, No. ... and chimney, ... with ... glass ... Nickel ... improved ... and chimney, ... lamps that fully ... doz. in ... Doz **$16.25**

"WHITE FLAME" BRACKET LAMP

Fitted with ... mantle, ... constructed ... and ... doubles the light of the old-time ... lamp.

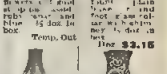


2C3503 — Heavy ... nickel frame, ... adjustable ... to ... No. ... and ... Wh. ... 1 ... burner ... 1 doz. in case. Doz. **$4.15**

NIGHT LAMPS

With Burners and Chimneys

2C3558 — 8 colors, ... Parlor ... 9 ... Nos. ... burner and ... chimney, ... warm ... glass ... assorted ... and ... 6 doz. in box. Temp. Out



2C3532 — ... Daisy, 9 in. ... clear ... tall ... blue ... colonial ... burner ... chimney ... 1 doz. in box. Doz. **$2.85**

2C3520 — Zenith ... light reflector, ... nickel ... chimney, ... and gold ... and green ... to ... red ... with ... 1 doz. in box. Doz. **$4.10**

LANTERNS AND LANTERN GLOBES

STANDARD COLD BLAST TUBULAR LANTERN

You can't equal this value anywhere. We buy so many that we can name this low price.

2C2831—No. 2 cold blast, overall 15 in. high, with 3 inner globe. Tank holds 1 pt. made of 26-gauge steel, nickel plated, with stamped brass "tin front." Burner of flat cloth wick. Packed 1 doz. in carton. 24 lbs.

Doz **$10.50**

SMALL LANTERNS

Complete with burner, wick and globe

2C3538—"The Jewel," heavy tin, not including handle, 6 in. high, crimp handle, patented flame spreader, improved globe holder. Packed 3 doz. in case.

Doz **$1.85**

2C3539—"Crickets," assorted color globe, 5½ in. high, heavy tin, crimp handle, patented flame spreader, improved globe holder. Packed 3 doz. in case.

Doz **$1.05**
(Total $4.80)

EMBURY TUBULAR LANTERNS

The strongest, most durable and convenient lanterns, made with inside globe lift, safely locked-in burner dome shaped solderless oil fount, security standing ball lamp brass filler cap, best bright hand burnished. A-A-135 lb. charcoal tin

2C2908—Hot Blast, "Supreme," No. 0 globe, No. 1 burner, 13⅜ in. high, burns 20 hrs. Packed 1 in case. 10 lbs.

Doz **$8.00**

2C2971—Cold Blast, "Supreme," No. 2 globe, No. 2 burner, No. 1 wick, 14½ in. high, burns 25 hrs. Packed ½ doz. in case, 10 lbs.

Doz **$12.75**

2C2976—Cold blast, No. 2 rising cone burner, 14 in. wick, 15¼ in. high, burns 25 hrs. Packed 1 in case. 10 lbs.

Doz **$12.75**

STANDARD HOT BLAST TUBULAR LANTERN

2C3627—No. 0, hot blast, 13¾ in. high, extra heavy tin plated, solid stamped base and large fount, extended dirt bezel, one piece lens and globe lift, improved side lift crank raising globe and burner, raised new design burner with wick tube, packed 1 doz. in shipping carton, 16 lbs. Doz **$7.25**

STANDARD COLD BLAST TUBULAR LANTERN

2C2831—No. 2 cold blast, 15 in. overall, heavy nickel plated solid stamped base, globe lift, triple protected, nickel plated, solid stamped brass tin front large filler cap, a improved globe holder. Packed 1 doz. in carton, 24 lbs.

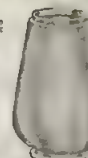
Doz **$10.75**

"EZYLITE" COLD BLAST LANTERN

2C2635—No. 2, ht. over all 13 in., lock burner, globe lift, stands on frame, handle lantern, globe lens, large oil filler ball bearing lens, 1 doz. in case. 24 lbs.

Doz **$11.25**

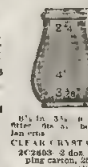
COLD BLAST LANTERN GLOBE



2C2609—Cold blast, 7 in. high, 3¼ in. bottom fitter, clear crystal, fits any cold blast lantern. 2 doz. in shipping carton. 25 lbs.

Doz **$.95**
(Total $1.90

REGULATION LANTERN GLOBES



2C2603—Globe, 4 in. high, 3⅜ in. bottom fitter, fits No. 2 Dead Lantern

CLEAR CRYSTAL—

2C2603 2 doz. in shipping carton, 25 lbs.

Doz **92c**
(Total $1.84

RUBY GLASS—

2C2605—1 doz. in shipping carton, 10 lbs.

Doz **$3.40**

Short Globe—4¼ in. high, clear crystal, bottom fitter 3 in. top 4 in., fits "Ever-Lite," "New Wizard" and "D-Lite" Lanterns

2C2815. 2 doz. in shipping carton, 22 lbs.

Doz **$1.00**
(Total $2.00)

"COMET" COMPLETE WALL LAMP OR NIGHT LAMP

2C3566. Nickel finish, diam. 4 in. ht. overall 8½ in. burns 40 hrs. complete with wick and metal globe. 1 in box

Each **95c**

Wick for "Comet" Lamp—For 2C3566 Comet night lamp

2C3464. 1 gro. in pkg.

Per **95c**

Globe For "Comet" Lamp—Opal for 2C 3566 night lamp

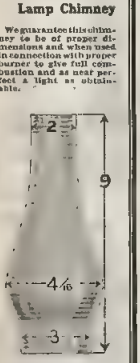
2C3565—½ doz. in pkg.

Per **$2c**

LAMP CHIMNEYS—Plain & Decorated

"White Flame" No. 2 Lamp Chimney

We guarantee this chimney to be of proper dimensions and when used in connection with proper burner to give full combustion and as near perfect a light as obtainable.



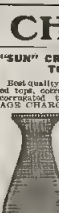
2C3006—No. 2 9 in. high 3 in. fitter fine quality lime glass, plain top. 6 doz. in case.

Doz **$.80**
(Total $4.80)

"SUN" CRIMPED TOP CHIMNEYS

NO. 2 "ROCHESTER" WICK FIRSTS

Best quality lime glass. Crimped tops, correct size. corrugated tube. NO PACKAGE CHARGE.



2C2500—No. 0, 8½ in. fitter 6 doz. in shipping carton, 15 lbs.

Doz **84c**
(Total $5.04)

2C2501—No. 1 1 doz. in shipping carton, 21 lbs.

Doz **84c**
(Total $5.04)

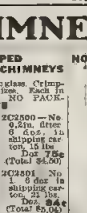
2C2502—No. 2 2 doz. in shipping carton, 25 lbs.

Doz **75c**
(Total $1.50)

2C2503—Assorted sizes 2 doz. in shipping carton, 25 lbs.

Doz **$2.36**

Either No. 2 or No. 1 Assorted Color in shipping carton 25 lbs. each Doz **$2.36**



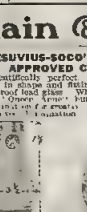
2C2000 Rochester No. 2, 10 in. high, plain wide fount, Rochester lamp only, no burner. Packed 6 doz. in carton. 15 lbs. in Out

Total

Doz **$1.75**

"VESUVIUS-SOCO" APPROVED CHIMNEYS

Scientifically perfect. Always uniform in shape and fitting. Made of fire-proof lead glass. When used with new "Queen Anne" burner forms a combination of exceptional perfection and economy.



2C2705—No. 1 10 in. high, 2¼ in. fitter 1 in. bulge. Packed 6 doz. in case. Lead glass. Doz **$1.65**

2C2706—No. 2 10½ in. high, 2¼ in. fitter 1¼ in. bulge. Packed 6 doz. in case. Lead glass. Doz **$1.75**

2C2707—No. 2 10½ in. high, 2¼ in. fitter 1¼ in. bulge. Packed 6 doz. in case. Lead glass. Doz **$1.75**

ENAMELED ETCHED GLOBE CHIMNEYS

2C2588—2 designs, No. 1, 2½ in. fitter. best quality flint glass, crimped top. 6 doz. in case. 35 lbs.

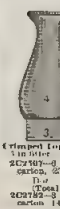
Doz **$1.55**
Total $9.30

2C2571—2 designs, No. 2 best quality lime glass. Each in wrapper, contained in 1 doz. in case. 30 lbs.

Doz **$1.68**
(Total $5.04

"FIRE TEST" CHIMNEYS—FIRST QUALITY FLINT—TRADEMARKED

We have established a reputation for this line by insisting that the manufacturer furnish chimneys uniform in shape and size and perfect, first quality flint. Will compare favorably in every way, selling at one-third more than well known ready selling line. Each in corrugated tube. Packed in freightproof cartons. NO PACKAGE CHARGE.



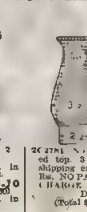
Crimped Top No. 2 in fitter

2C2707—6 doz. in carton, 25 lbs.

Doz **$1.10**
(Total $6.60)

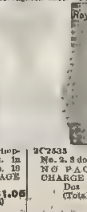
2C2752—3 doz. in carton 14 lbs.

Doz **$1.20**
(Total $3.60)



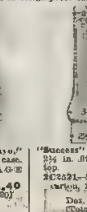
2C2781 No. 1 crimped top 3 doz. in shipping carton, 10 lbs. NO PACKAGE CHARGE.

Doz **$1.05**
(Total $3.15)



2C2535 "Rayo," No. 2. 8 doz. in case. NO PACKAGE CHARGE

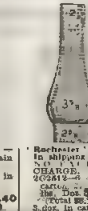
Doz **$1.40**
(Total $4.80)



"Success" No. 1—2¼ in. fitter, plain top.

2C2521—6 doz. in carton, 14 lbs.

Doz **$1.40**
(Total $4.80)



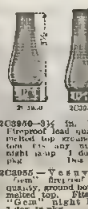
"Rochester" No. 2 in shipping carton. NO PACKAGE CHARGE.

2C2812—6 doz. in carton, 30 lbs.

Doz **$1.35**
(Total $8.10)

3 doz. in carton, 16 lbs. Doz **$1.40**
(Total $4.20)

NIGHT LAMP CHIMNEYS



2C3050—3¼ in. high fireproof lead quality etched top crimped bottom fits any student lamp. 1 doz. in pkg. Doz **$.45**

2C3055.—"Vesuvius" form, first test lead quality, ground bottom, etched top. Fits any "Gem" night lamp. 1 doz. in pkg.

Doz **90c**

LANTERNS AND LANTERN GLOBES

STANDARD COLD BLAST TUBULAR LANTERN

You can't equal this value anywhere. We buy so many that we can name this low price.

2C2831—No. 2 cold blast, overall 15 in. high, with 3 inner globe. Tank holds 1 pt. made of 26-gauge steel, nickel plated, with stamped brass "tin front." Burner of flat cloth wick. Packed 1 doz. in carton. 24 lbs.

Doz **$10.50**

SMALL LANTERNS

Complete with burner, wick and globe

2C3538—"The Jewel," heavy tin, not including handle, 6 in. high, crimp handle, patented flame spreader, improved globe holder. Packed 3 doz. in case.

Doz **$1.85**

2C3539—"Crickets," assorted color globe, 5½ in. high, heavy tin, crimp handle, patented flame spreader, improved globe holder. Packed 3 doz. in case.

Doz **$1.05**
(Total $4.80)

EMBURY TUBULAR LANTERNS

The strongest, most durable and convenient lanterns, made with inside globe lift, safely locked-in burner dome shaped solderless oil fount, security standing ball lamp brass filler cap, best bright hand burnished. A-A-135 lb. charcoal tin

2C2908—Hot Blast, "Supreme," No. 0 globe, No. 1 burner, 13⅜ in. high, burns 20 hrs. Packed 1 in case. 10 lbs.

Doz **$8.00**

2C2971—Cold Blast, "Supreme," No. 2 globe, No. 2 burner, No. 1 wick, 14½ in. high, burns 25 hrs. Packed ½ doz. in case, 10 lbs.

Doz **$12.75**

2C2976—Cold blast, No. 2 rising cone burner, 14 in. wick, 15¼ in. high, burns 25 hrs. Packed 1 in case. 10 lbs.

Doz **$12.75**

STANDARD HOT BLAST TUBULAR LANTERN

2C3627—No. 0, hot blast, 13¾ in. high, extra heavy tin plated, solid stamped base and large fount, extended dirt bezel, one piece lens and globe lift, improved side lift crank raising globe and burner, raised new design burner with wick tube, packed 1 doz. in shipping carton, 16 lbs. Doz **$7.25**

STANDARD COLD BLAST TUBULAR LANTERN

2C2831—No. 2 cold blast, 15 in. overall, heavy nickel plated solid stamped base, globe lift, triple protected, nickel plated, solid stamped brass tin front large filler cap, a improved globe holder. Packed 1 doz. in carton, 24 lbs.

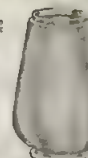
Doz **$10.75**

"EZYLITE" COLD BLAST LANTERN

2C2635—No. 2, ht. over all 13 in., lock burner, globe lift, stands on frame, handle lantern, globe lens, large oil filler ball bearing lens, 1 doz. in case. 24 lbs.

Doz **$11.25**

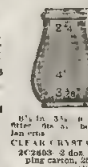
COLD BLAST LANTERN GLOBE



2C2609—Cold blast, 7 in. high, 3¼ in. bottom fitter, clear crystal, fits any cold blast lantern. 2 doz. in shipping carton. 25 lbs.

Doz **$.95**
(Total $1.90

REGULATION LANTERN GLOBES



2C2603—Globe, 4 in. high, 3⅜ in. bottom fitter, fits No. 2 Dead Lantern

CLEAR CRYSTAL—

2C2603 2 doz. in shipping carton, 25 lbs.

Doz **92c**
(Total $1.84

RUBY GLASS—

2C2605—1 doz. in shipping carton, 10 lbs.

Doz **$3.40**

Short Globe—4¼ in. high, clear crystal, bottom fitter 3 in. top 4 in., fits "Ever-Lite," "New Wizard" and "D-Lite" Lanterns

2C2815. 2 doz. in shipping carton, 22 lbs.

Doz **$1.00**
(Total $2.00)

"COMET" COMPLETE WALL LAMP OR NIGHT LAMP

2C3566. Nickel finish, diam. 4 in. ht. overall 8½ in. burns 40 hrs. complete with wick and metal globe. 1 in box

Each **95c**

Wick for "Comet" Lamp—For 2C3566 Comet night lamp

2C3464. 1 gro. in pkg.

Per **95c**

Globe For "Comet" Lamp—Opal for 2C 3566 night lamp

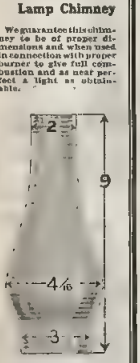
2C3565—½ doz. in pkg.

Per **$2c**

LAMP CHIMNEYS—Plain & Decorated

"White Flame" No. 2 Lamp Chimney

We guarantee this chimney to be of proper dimensions and when used in connection with proper burner to give full combustion and as near perfect a light as obtainable.



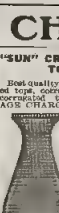
2C3006—No. 2 9 in. high 3 in. fitter fine quality lime glass, plain top. 6 doz. in case.

Doz **$.80**
(Total $4.80)

"SUN" CRIMPED TOP CHIMNEYS

NO. 2 "ROCHESTER" WICK FIRSTS

Best quality lime glass. Crimped tops, correct size. corrugated tube. NO PACKAGE CHARGE.



2C2500—No. 0, 8½ in. fitter 6 doz. in shipping carton, 15 lbs.

Doz **84c**
(Total $5.04)

2C2501—No. 1 1 doz. in shipping carton, 21 lbs.

Doz **84c**
(Total $5.04)

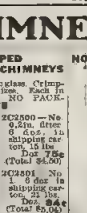
2C2502—No. 2 2 doz. in shipping carton, 25 lbs.

Doz **75c**
(Total $1.50)

2C2503—Assorted sizes 2 doz. in shipping carton, 25 lbs.

Doz **$2.36**

Either No. 2 or No. 1 Assorted Color in shipping carton 25 lbs. each Doz **$2.36**



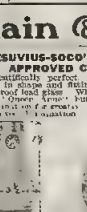
2C2000 Rochester No. 2, 10 in. high, plain wide fount, Rochester lamp only, no burner. Packed 6 doz. in carton. 15 lbs. in Out

Total

Doz **$1.75**

"VESUVIUS-SOCO" APPROVED CHIMNEYS

Scientifically perfect. Always uniform in shape and fitting. Made of fire-proof lead glass. When used with new "Queen Anne" burner forms a combination of exceptional perfection and economy.



2C2705—No. 1 10 in. high, 2¼ in. fitter 1 in. bulge. Packed 6 doz. in case. Lead glass. Doz **$1.65**

2C2706—No. 2 10½ in. high, 2¼ in. fitter 1¼ in. bulge. Packed 6 doz. in case. Lead glass. Doz **$1.75**

2C2707—No. 2 10½ in. high, 2¼ in. fitter 1¼ in. bulge. Packed 6 doz. in case. Lead glass. Doz **$1.75**

ENAMELED ETCHED GLOBE CHIMNEYS

2C2588—2 designs, No. 1, 2½ in. fitter. best quality flint glass, crimped top. 6 doz. in case. 35 lbs.

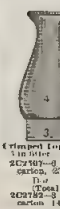
Doz **$1.55**
Total $9.30

2C2571—2 designs, No. 2 best quality lime glass. Each in wrapper, contained in 1 doz. in case. 30 lbs.

Doz **$1.68**
(Total $5.04

"FIRE TEST" CHIMNEYS—FIRST QUALITY FLINT—TRADEMARKED

We have established a reputation for this line by insisting that the manufacturer furnish chimneys uniform in shape and size and perfect, first quality flint. Will compare favorably in every way, selling at one-third more than well known ready selling line. Each in corrugated tube. Packed in freightproof cartons. NO PACKAGE CHARGE.



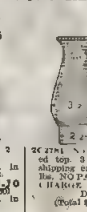
Crimped Top No. 2 in fitter

2C2707—6 doz. in carton, 25 lbs.

Doz **$1.10**
(Total $6.60)

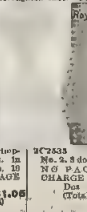
2C2752—3 doz. in carton 14 lbs.

Doz **$1.20**
(Total $3.60)



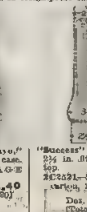
2C2781 No. 1 crimped top 3 doz. in shipping carton, 10 lbs. NO PACKAGE CHARGE.

Doz **$1.05**
(Total $3.15)



2C2535 "Rayo," No. 2. 8 doz. in case. NO PACKAGE CHARGE

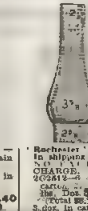
Doz **$1.40**
(Total $4.80)



"Success" No. 1—2¼ in. fitter, plain top.

2C2521—6 doz. in carton, 14 lbs.

Doz **$1.40**
(Total $4.80)



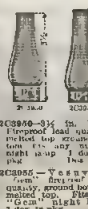
"Rochester" No. 2 in shipping carton. NO PACKAGE CHARGE.

2C2812—6 doz. in carton, 30 lbs.

Doz **$1.35**
(Total $8.10)

3 doz. in carton, 16 lbs. Doz **$1.40**
(Total $4.20)

NIGHT LAMP CHIMNEYS



2C3050—3¼ in. high fireproof lead quality etched top crimped bottom fits any student lamp. 1 doz. in pkg. Doz **$.45**

2C3055.—"Vesuvius" form, first test lead quality, ground bottom, etched top. Fits any "Gem" night lamp. 1 doz. in pkg.

Doz **90c**

OIL LAMPS & FOUNTS

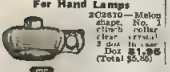
NO. 2 GLASS COLLAR REFLECTOR FOUNTS

2C7661 — No. 2 Collar, ... brass ... with ... reflector ... and 2C7664 reflecting lamps, 3¾ in. high, glass oil base, ... 1 doz. in carton, 10 lbs. Doz. **$1.45** (Total $4.35)

2C2659 — No. 2 glass collar, threaded brass lining, cap. 1¼ pts., 1 doz. in case, 10 lbs. Doz. **$2.50**

GLASS COLLAR CRYSTAL FOUNTS

For Hand Lamps



2C2670 — Melon shape, No. 1 clinch collar, clear crystal, 3 doz. in case, 10 lbs. Doz **$1.95** (Total $5.85)

2C2664 — 3 styles, No. 1 glass collars, brass threads, one-piece glass founts, capacity ¾ pint, assted 2 doz. each, 3¾ in. low hand lamps, 6¼ in. high hand lamp, 8 in. stand lamp, Assted, 6 doz. in bbl., 138 lbs. (Total ... 9) Doz. Out

2C2671 — 3 styles, hand lamp, No. 1 ... collars, cap ... plain, ... metal and ... patterns, 1¼ pint each, Assted 4 doz. in bbl., 15 lbs. Doz. **$2.75** (Total $11.00)

LAMP FOUNT ASSORTMENT

Plaster Set Brass Collar

2C9073 — 3 styles, ... plaster set brass collar, ... and ... cut Asst. consisting of 4 doz. 8 in. ... 1 doz. 10 in. ... 1 doz. 12 in. ... Assted 2½ doz. pts. ... lbs. ... al $8.33) Doz. **$3.25**

LAMP BURNERS

Burners to fit any oil lamp are listed

ON PAGE 36

LAMP WICKS

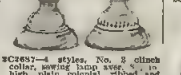
No wicks are included with any of these lamps, but are listed ON PAGE 348

CRYSTAL LAMP FOUNT ASSORTMENTS

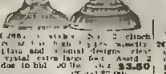
Clinch Collar

2C2685 — 3 styles, No. 2 clinch collar, asst. 6 in. high, cap. 1½ pts., plain, colonial and ribbed designs, Assted. 1½ doz. in case. Doz. **$2.75** (Total $6 15)

2C2687 — 4 styles, No. 2 clinch collar, sewing lamp, asst. ... in. high, colonial, ribbed and melon designs, Assted, 1 doz. in case. Doz **$3.50**



2C2698 — 3 styles, No. 2 clinch collar, ... in. high, ... cap. ... pts., ... and colonial designs, clear crystal, extra large font, Assted 2 doz. to bbl., 90 lbs. Doz. **$3.50** (Total $7.00)



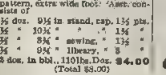
2C2710 — 4 styles, No. 2 clinch collars, bright shiny crystal, melon pattern, extra wide font. Asst. consisted of

½ doz.	9½ in	stand, cap. 1½ pts.	
½ "	10¾ "	" 1¾ "	
½ "	8¾ "	sewing, " 1 "	
½ "	9¾ "	library, " 3 "	

2 doz. in bbl., 110 lbs. Doz. **$4.00** (Total $8.00)

CRYSTAL LAMP FOUNT ASSORTMENT

Glass Collar



2C2686 — 4 styles, No. 2 glass collars, asst. 8½ in., clear crystal, asst. ½ doz. each style, Assted 4 doz. in bbl. 105 lbs. Doz. **$3.75** (Total $7.50)

CRYSTAL STAND LAMP FOUNT ASST.

Fitted with Riverside collar—the finest clinch-on collar made.

2C2800 — 3 styles, No. 2 Riverside clinch-on collars, for sewing lamp size, plain and colonial cut patterns, Assted 2 doz. in bbl., 100 lbs. Doz **$3.75** (Total $7.50)

COMPLETE CRYSTAL STAND LAMPS

Burner, Fount and Chimney

2C2717 — 2 styles, No. 2 clinch collar, ... good clear crystal lamps and fount patterns, embossed ... burner with burners. Asstd 1½ doz. in bdl., 86 lbs. Doz **$6.25** (Total $...)

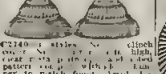
Complete Lamp — Brass fount, nickel plated, 10 in. ring shade holder improved "Rayo" burner, complete with four pointed, ribbed shade and genuine "Rayo" chimney.

2C2928 — 6 in. pkg., 65 lbs. Each **$3.75** (Total $...)

2C2535 — Rayo ... chimney, 2¼ in. fitter, mica top 3 doz. in case. Doz **$1.40** Total $1...

2C2642 — Rayo shade holder, 15 in. ... Doz **$8.95**

2C2928 — 6 "Rayo" burner in case ... Each **$0...**



2C2740 — 4 styles, No. ... clinch collar, ... in. high, ... cap. ... pts., ... and ... patterns, ... with ... ings, ... Asstd ... doz. in bbl., 80 lbs. Doz. Out

2C2731 — 3 styles, No. ... clinch collar, No. 1 burner, 10½ in. high, cap 1 pt., plain clear crystal plain and floral patterns, complete with No. 2 burner and globe chimney, ½ doz. each style. Asstd. 1½ doz. in bbl., 80 lbs. (Total $9.37) Doz. **$6.95**

2C2745 — Extra large, No. 2 clinch collar, No. 3 burners, 20 in. high, 2½ pint capacity, clear crystal, lacking ribbed colonial design, with burner and chimney, 1 doz. in bbl., 80 lbs. ..... Doz **$7.75**

2C2784 — 3 designs, asst. ... in. high, No. 2 clinch collar, No. 2 burner, square shape, ... key border on fount and chimney, American Beauty rose decoration over mixed ... pink and ivory backgrounds. Asstd 1 doz. in bbl. Doz **$9.95**

2C2756 — 3 styles, 17½ in. ... high, No. 2 clinch collar, ... burner, clear crystal ... fount and chimney. Asstd 1 doz. in bbl., 70 lbs. Doz **$10.25**

"RAYO" NICKELED BRASS TABLE LAMP

Complete Lamp — Brass fount, nickel plated, 10 in. ring shade holder improved "Rayo" burner, complete with four pointed, ribbed shade and genuine "Rayo" chimney.

2C2928 — 6 in. pkg., 65 lbs. Each **$3.75** (Total $...)

2C2535 — Rayo ... chimney, 2¼ in. fitter, mica top 3 doz. in case. Doz **$1.40** Total $1...

2C2642 — Rayo shade holder, 15 in. ... Doz **$8.95**

2C2928 — 6 "Rayo" burner in case ... Each **$0...**

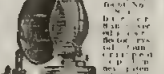
REFLECTOR LAMPS AND FOUNTS

2C2502 — Leader No. 3 brass collar lamp, heavy brass ... reflector, ... complete ... perfector bead ... 1 pkg. 2 lbs. Each **$2.75**

2C1501 — Junior ... burner, ... 1¼ in. ... 2 in. reflector, 1½ in. fount, 1 doz. in pkg., 22 lbs. Doz **$2.75**

BRACKET LAMPS

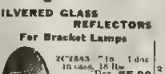
2C3528 — ... crystal ... collar, ... silver ... chimney, ... opening, ... 1 inch ... burner, ... 10 in. ... Doz. Out



2C3529 — ... fount, ... burner, ... collar, ... 10 in. ... Doz. Out

SILVERED GLASS REFLECTORS

For Bracket Lamps



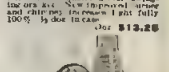
2C2853 — 7 in. ... 1 doz. in case, 18 lbs. Doz **$5.00**

2C2343 — 8 in. ... 1 doz. in case, 30 lbs. Temp. Out

2C2856 — 10 in. ... 1 doz. in case, 40 lbs. Temp. Out

BRACKET LAMPS

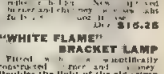
2C3526 — ... crystal filter founts, No. ... in. ... and chimney, ... with ... glass ... Nickel ... improved ... and chimney, ... lamps that fully 100% ... 6 doz. in case. Doz **$13.25**



2C3527 — ... crystal filter fount, No. ... and chimney, ... with ... glass ... Nickel ... improved ... and chimney, ... lamps that fully ... doz. in ... Doz **$16.25**

"WHITE FLAME" BRACKET LAMP

Fitted with ... mantle, ... constructed ... and ... doubles the light of the old-time ... lamp.

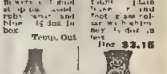


2C3503 — Heavy ... nickel frame, ... adjustable ... to ... No. ... and ... Wh. ... 1 ... burner ... 1 doz. in case. Doz. **$4.15**

NIGHT LAMPS

With Burners and Chimneys

2C3558 — 8 colors, ... Parlor ... 9 ... Nos. ... burner and ... chimney, ... warm ... glass ... assorted ... and ... 6 doz. in box. Temp. Out



2C3532 — ... Daisy, 9 in. ... clear ... tall ... blue ... colonial ... burner ... chimney ... 1 doz. in box. Doz. **$2.85**

2C3520 — Zenith ... light reflector, ... nickel ... chimney, ... and gold ... and green ... to ... red ... with ... 1 doz. in box. Doz. **$4.10**

COFFEE, DRUG OR SPICE MILLS

ENTERPRISE

Wheel Pattern, Plain Bearings

Cast Iron, Painted Red, Blue and Gold Striped; Chilled Iron Grinders, Warranted as Hard as Steel; Thumb Screw Adjustment on Side of Wheel

Nickel Plated Stamped Steel Hopper; Hardwood Base Board; Will Granulate Coffee Fine or Coarse; Not Intended to Pulverize.

No.	8
Hopper Holds, lbs.	2¼
Grinds per Minute, lb.	¾
Height, inches	27
Base, inches	11x11
Wheels, inches	17
Weight Crated, lbs.	59
Each	$30.00
	41.70

One in a Crate

ENTERPRISE

Wheel Pattern, Plain Bearings

Cast Iron, Painted Red, Blue and Gold Striped; Chilled Iron Grinders, Warranted as Hard as Steel; Thumb Screw Adjustment on Side of Wheel.

Iron Hopper, Body and Base, Sheet Steel; Funneled Box; Will Granulate Coffee, Fine or Coarse; Not Intended to Pulverize.

No.	+12
Hopper Holds, lbs.	5
Grinds per Minute, lbs.	1⅛
Height, inches	32
Diameter of Base, inches	18
Wheels, inches	25
Weight Crated, lbs.	141
Each	$45 00
	62 50

One in a Crate

ENTERPRISE

Wheel Pattern, Plain Bearings

Cast Iron, Painted Red, Blue and Gold Striped; Chilled Iron Grinders, Warranted as Hard as Steel; Thumb Screw Adjustment on Side of Wheel.

Iron Hopper Body and Base, Sheet Steel, Funneled Box; Will Granulate Coffee, Fine or Coarse; Not Intended to Pulverize.

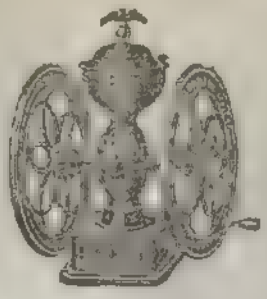
No	+212
Hopper Holds, lbs.	6½
Grinds per Minute, lbs.	1¼
Height, inches	43
Diameter of Base, inches	18
Wheels, inches	31
Weight Crated, lbs.	210
Each	$60 00
	[illegible]

Per Pair

No. 212PP—Power Pulleys; 12x2 inches; Weight per Pair, 36 lbs. . **$18.00**

One in a Crate

COFFEE, DRUG OR SPICE MILLS



ENTERPRISE

Wheel Pattern, Plain Bearings

Cast Iron, Painted Red, Blue and Gold Striped; Chilled Iron Grinders, Warranted as Hard as Steel; Thumb Screw Adjustment on Side of Wheel.

Iron Hopper; Hardwood Base Board; Will Granulate Coffee, Fine or Coarse; Not Intended to Pulverize.

Nos.	7	9
Hopper Holds, lbs.	1¾	3
Grinds per Minute, lbs	1	1½
Height, inches	21½	24
Base, inches	11x11	13x13
Wheels, inches	17	19
Weight Crated, lbs	60	107
Each	$21.00	30.00
	29 40	41 70

One in a Crate

ENTERPRISE

Cast Iron Hopper, Body, Wheels and Stand Painted Red, Gold Striped; Sheet Steel Funnel Box; Will Granulate Coffee, Fine or Coarse; Not Intended to Pulverize.

No	+16
Hopper Holds, lbs	6½
Grinds per Minute, lbs	1½
Height, inches	68
Spread of Legs, inches	25x27
Diameter of Wheels, inches	35
Weight Crated, lbs	320
Each	$90 00
	123 00

Per Pair

No. 18PP—Power Pulleys; 18x2 inches; Weight 36 lbs. . **$21.00**

One in a Crate

ENTERPRISE

Not Intended for Grinding Spice

Cast Iron Hopper; Body, Wheels and Stand Painted Red, Gold Striped; Sheet Steel Funnel Box; Will Granulate Coffee, Fine or Coarse; Not Intended to Pulverize.

No.	+216
Hopper Holds, lbs.	6½
Grinds per Minute, lbs.	1⅜
Height, inches	68
Spread of Legs, inches	25x27
Diameter of Wheels, inches	35
Weight Crated, lbs	320
Each	$90 00
	124 80

Per Pair

No. 216PP—Power Pulleys; 13x2 inches; Weight 84 lbs. . **$27.00**

One in a Crate

When Using Power Pulleys, Speed Must Not Exceed 200 Revolutions per Minute.

Items Marked + Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory, Philadelphia, Pa.

COFFEE MILLS

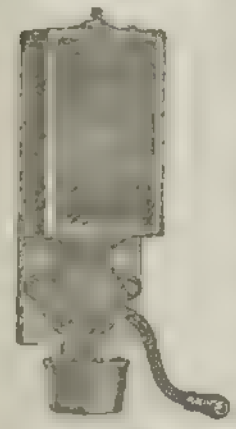
REGAL

Black Japanned Cast Iron Body, Crank, Tin Hopper and Cup; Holds One Pound of Coffee; Screw Cap; Adjustable Chilled Iron Grinders.

Per Dozen

No. 44—Height 14 inches; Hopper 4¼ inches Wide, 4½ inches Deep; Weight per Dozen, 45 lbs.....$17.00

Half Dozen in a Case



Hopper Holds One Pound of Coffee

Varnished Wood Hopper with Glass Front and Japanned Cast Iron Slide Lid; Chilled Iron Grinders; Front Thumb Screw Adjustment; Japanned Cast Iron Body and Handle; Detachable Iron Cup.

Per Dozen

No. 250—Height 13 inches; Canister 7½x4½x3⅜ inches; Wood Back 5x11½ inches; Weight per Dozen, 56 lbs.....$24 00

Half Dozen in a Case

UNIVERSAL

Clamps to Table

Black Japanned Cast Iron Frame and Crank; Gilt lettering; Chilled Cast Iron Grinders, Plain Bearings; Thumb Nut Adjustment; Will Granulate Coffee, Fine or Coarse; Capacity of Hopper, 4 ozs.

Per Dozen

No. 0014—Height Above Table 7¾ inches; Height Over All 11¼ inches; Diameter Hopper 3½ inches; Weight Each, 5 lbs.....$25.50

Six in a Case; Weight per Dozen, 66 lbs.

ROYAL

Japanned Cast Iron; Chilled Iron Grinders; Lock Nut Adjustment; Detachable Iron Cup; No Rivets or Bolts.

Per Dozen

No. 77—Height 9 inches; Width 7½ inches; Diameter Hopper 4 inches; Depth 1¾ inches; Weight per Dozen, 42 lbs.....$14.50

Half Dozen in a Case

ENTERPRISE

With Base

Cast Iron; Painted Black, Red and Gold Striped; Hardened Cast Iron Grinders; Plain Bearings; Thumb Nut Adjustment; Hopper Holds 4 ounces.

Each

No. 1—Height 12½ inches; Hopper 3½x4 inches; Hardwood Base 6x6½ inches; with Slide Cover and Drawer; Weight Each, 10 lbs. $6.30 4 50

Twelve in a Case; Weight per Case 135 lbs.

COFFEE MILLS

ENTERPRISE

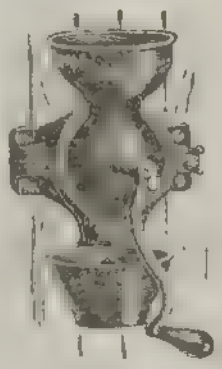
Clamps to Table

Cast Iron; Painted Black, Red and Gold Striped; Hardened Cast Iron Grinders; Plain Bearings; Thumb Nut Adjustment; Hopper Holds 4 ounces.

Each

No. 0—Height Above Table 9½ inches; Over All 13½ inches; Hopper 3½x4 inches; Weight Each, 6 lbs.... $4 20 3.00

Twelve in a Case Weight per Case, 85 lbs.



ENTERPRISE

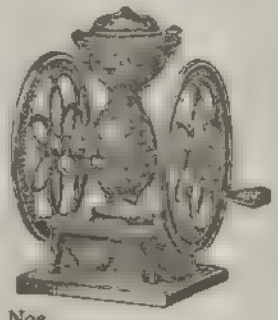
Cast Iron; Painted Black; Red and Gold Striped; Adjustable Chilled Grinders; Detachable Iron Cup, Side Adjustment; Hinged Case; Hopper Holds 4 ounces.

Each

No. 00—Height 9 inches; Width 5½ inches; Hopper 4 inches Wide, 3½ Deep; Weight per Dozen 62 lbs.$3 50 2.50

Twelve in a Case

COFFEE, DRUG OR SPICE MILLS



ENTERPRISE

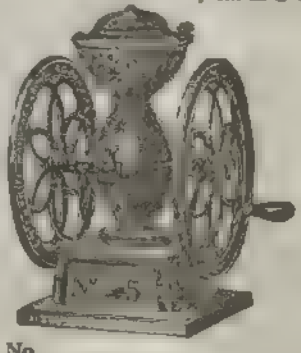
Wheel Pattern, Plain Bearings

Cast Iron; Painted Red, Blue and Gold Striped; Chilled Iron Grinders, Warranted as Hard as Steel; Thumb Screw Adjustment on Side of Wheel.

Iron Hopper; Hardwood Base Board; Will Pulverize or Granulate Coffee.

Nos.	3	3
Hopper Holds, lbs	¼	½
Grinds per Minute, lbs	¼	½
Height, inches	12¼	15
Base, inches	6¾x6¾	8⅛x8⅛
Wheels, inches	8¾	10¾
Weight Cased, lbs	15	22 —
Each	$7 00	11 00
	9 70	15.30

No. 2, Six in a Case; No. 3, Three in a Case



ENTERPRISE

Wheel Pattern, Plain Bearings

Cast Iron; Painted Red, Blue and Gold Striped; Chilled Iron Grinders, Warranted as Hard as Steel; Thumb Screw Adjustment on Side of Wheel.

Iron Hopper; Hardwood Base Board; Will Granulate Coffee, Fine or Coarse; Not Intended to Pulverize.

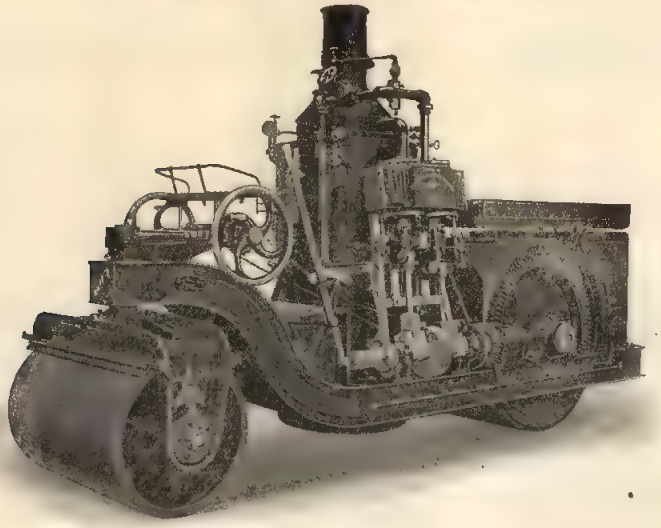
No.	5
Hopper Holds, lbs	¾
Grinds per Minute, lbs	1½
Height, inches	17
Base, inches	9⅛x9⅛
Wheels, inches	12½
Weight Cased, lbs	36
Each	$16 00
	22 20

Three in a Case

When Using Power Pulleys, Speed Must Not Exceed 200 Revolutions per Minute.

Items Marked ✣ Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory, Philadelphia, Pa.

Erie Tandem Rollers



Built in all standard sizes. There is a size that will meet your requirements

The characteristic features of Erie rollers are strength, durability, simplicity of construction, easy and economical operation, perfectly balanced and positive motion of all actuating parts.

All parts are made in duplicate, so that in case of accidental damage, the required part may be quickly and easily replaced. The rollers are of the highest grade, the World's Standard, will give more absolute satisfaction, and Actual Service wear years longer, and incur less expense for their maintenance and upkeep than any other roller on the market.

It is a matter of pride that we are able to state that the first Erie roller built in 1887 is still in actual service, doing first class work, and the owners of the roller advise us that it is good for many more years of hard service.

Wrought iron and steel are used practically throughout, which enables us to guarantee for five years against breakage or wear resulting from imperfect material or workmanship.

The mechanical details and design can be distinguished from all other machines by the following features: All rolls on Erie rollers are turned in a lathe, and are perfectly true, giving them a smooth surface. Erie rollers are so constructed that the weight is chiefly on the large roll not as most makes of rollers, where the weight of the machine is equally distributed on the steering and the driving rolls, thus giving considerable lighter compression than by having the weight centered on the one large roll.

We call attention of intending purchasers of roller equipment to the construction of every "ERIE" roller. The Factory's aim has never been to compete in price alone, in their construction, but on the contrary, they have succeeded in producing the very best construction and workmanship.

Guarantee

Every "Erie" roller is guaranteed for a period of five years against faulty material or imperfect workmanship of any kind.

Full Description and Prices When You Want Them

FLASHLIGHTS

EVEREADY

PISTOL—A SURE SHOT

Equipped with the Famous Eveready Tungsten Battery and Eveready Mazda Bulb it Never Misses Fire. Cleverest Flash-light Ever Shown. It is a Perfect Copy of an Automatic Magazine Pistol of the Latest Type. When the Trigger is Pressed, Instead of a Destructive Bullet, a Bright Beam of Incandescent Light Leaps From the Muzzle and Continues as Long as the Pressure Lasts. Fits the Pocket Like a "Gun." Strongly Made of Brass and Furnished in Both Nickel and Gunmetal Finish. Makes an Instant Appeal to Those Who Wish to Combine Novelty with Utility.

	Each		
No. 2675—Complete	$1.75	---	---
Renewal Tungsten Battery No. 750	.30	---	---
Renewal Mazda Bulb No. 1180	.30	---	---

One in a cardboard box.

ELECTRIC LANTERNS

EVEREADY

HOUSE

Designed for General Use Around the House. It Has a Handle, and Its Shape is Such That it Can Be Set Down in Any Position Necessary to Throw the Light Where it is Wanted. Complete with 3-Cell Tungsten Battery No. 734 and 3.8 Volt Mazda Bulb No. 1193.

	Each		
No. 4703	$3.00	---	---
Renewal Tungsten Battery No. 734	.45	---	---
Renewal Mazda Bulb 3.8 Volts No. 1193	.25	---	---

One in a cardboard box.

WATCHMEN'S

One of the Safest, Cleanest and Handiest Lanterns Made. Can Be Used When Surrounded by the Most Explosive Gases, Near Gunpowder, Dynamite or Gasolene. It Contains a Powerful Battery, and Will Give Fourteen Hours' Continuous Service or Twenty-Eight Hours' Intermittent Service. Complete with Tungsten Battery No. 710 and 6.2 Volts Mazda Bulb No. 1195.

	Each		
No. 4701	$5.00	---	---
Renewal Tungsten Battery No. 710	.75	---	---
Renewal Mazda Bulb 6.2 Volts No. 1195	.30	---	---

One in a cardboard box.

SAFETY RAZORS

ECCO

Gold Alloy Frame, Highly Polished. Will not Corrode or Rust. Solid Steel Handle, Heavily Silver Plated. In Velvet Lined, Cloth-covered Box.

	Per Dozen		
No. 5—Complete with Seven Blades.	**$13.00**	---	---

One in a box. Weight, per dozen, about 35 pounds.

EXTRA BLADES

High grade Swedish Steel. Packed in sets of five Blades in an Oiled Paper Booklet and twelve sets in a carton.

	Per Set		
No. 5B—Set of Five Blades.	**$ .40**	--	--

Weight, per set, about ½ ounce.

	Per Carton		
No. 5BC—Carton of Twelve Sets.	**$4.80**	---	---

Weight, per carton, about 6 ounces.

EVER READY

Nickel Plated Brass Frame. Nickel Plated Milled Handle In Leatherette Case with two Compartments for sharp and dull blades.

	Per Dozen		
No. 7—Complete with Twelve Blades	**$18.00**	---	---

One in a box. Weight, per dozen, about 5 pounds.

EXTRA BLADES

	Per Set		
No. 7B—Set of Twelve Blades.	**$1.00**	--	--

Twelve sets in a carton. Weight, per carton, about 2¼ pounds.

No. 70B—Sets of Ten Blades.	**.80**	--	--

	Per Gross		
No. 7BGC—Full Gross lots No. 7B (no less). .	**$10.75**	---	---

One gross on a metal display card.
Weight, per gross, about 3 pounds.

GEM DAMASKEENE

German Silver Frame. Nickel Plated, Milled Handle. Complete with Stropper in Velvet Lined, Black Leatherette Case.

	Per Dozen		
No. 100—Complete with Seven Damaskeene Blades.	**$18.50**	---	---

One in a box. Weight, per dozen, about 4 pounds.

EXTRA DAMASKEENE BLADES

	Per Set		
No. 100B—Set of Seven Blades.	**$ .55**	--	--

Two dozen sets in a package.
Weight, per package, about 1¼ pound.

EXTRA DAMASKEENE BLADES ON CARDS

Handsome Easel Card containing twenty-four packages (seven blades each). This makes a very attractive counter display.

	Per Card		
No. 100BC—Card of Twenty-four Sets.	**$13.00**	---	---

Weight, per card, about 2 pounds.

E. A. WARNING SIGNALS

Warning Signals offer the widest selection of automobile warning signals, for in the many models will be found a horn adaptable to any style and size of car or truck.

Attractive design, strength of materials and reliable workmanship are the strongest features embodied in their construction, and every horn is carefully made and assembled under expert supervision. All parts are made interchangeable.

Are tested under conditions that will never be experienced while in service. The manufacturers absolutely guarantee materials, construction and workmanship.

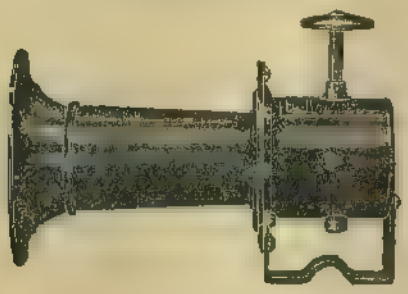
Furnished as regular equipment on a number of the standard automobiles and trucks.

Finish—"All Black and are supplied in this manner unless otherwise specified.

Brackets—Equipped with brackets as illustrated.

Voltage Wound for 6 volts, and supplied with wire and push button, ready for installation. Special voltage can be supplied at additional cost.

HAND OPERATED



Noted for simplicity of design and construction. With slight pressure on plunger, a strong and commanding warning note is produced.

No. T6055—Length 9½ in., diameter 5 in., w't each 3½ lbs. . .each $5.30

ONE IN A BOX

MOTOR DRIVEN

Under the Hood Type, the achievement of fifteen years' experience in the manufacture of the best warning signals that can be produced.

No. T6056—Length 10 in., diameter 5 in., w't each 4 lbs. ....each $9 00

ONE IN A BOX

Under the Hood Type. Extra large horn with a deep penetrating warning, easily heard for long distances.

No. T6058—Length 12 in., diameter 6 in., w't each 6½ lbs. .each $16.00

ONE IN A BOX

MOTOR DRIVEN

FOR FORDS

Built special to fit all Ford cars equipped with 6 volt batteries.

Finished in black, equipped with brackets as illustrated, ready for installation.

Not furnished with wiring. Wiring is already on Ford Cars.

No. T6057—Length 10 in., diameter 5 in., w't each 4 lbs. .....each $9.00

ONE IN A BOX

Large bell shaped model for attachment to outside of car.

Extra large horn with a deep penetrating warning, easily heard for long distances.

No. F6060—Length 12 in., diameter 6½ in., w't each 6½ lbs., each★ $18.00

ONE IN A BOX

Loud Sounding Motor drivenn horn made on the same principles as the other models, adjustment can be made on the outside of the rear case by tightening or loosening the projecting screw. 6 Volt. Length 10¾ in. Diaphragm Dia. 4⅜ in. Projector opening 3½ in. W't each 4½ lbs

No. T6053—Model 10A ...each $6.70

ONE IN A CARTON

MOTOR DRIVEN

MILE-A-WAY

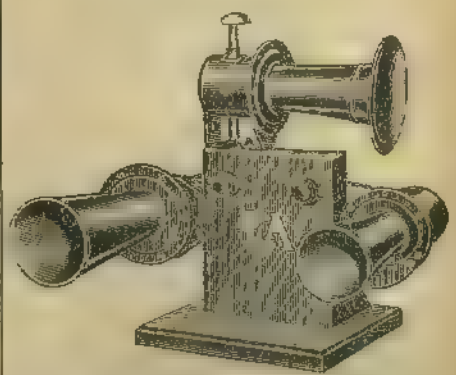
Carefully designed and rigidly built. Has a powerful motor, 6 volt, emitting a deep, pleasant tone. Wires not furnished. Use the wiring now on the car.

Equipped with universal bracket that permits mounting it to the engine, chassis or dash board.

No. T6054—Length 12 in., diam. 5⅜ in., w't each 4 lbs. .....each $12.00

ONE IN A BOX

A. E. HORN DISPLAY



This display consists of 6 Horns, 3 of which are mounted on a highly finished wood display stand, with horn buttons. Complete ready to place on show case and attach to battery.

Display consists of all popular models.

MOUNTED

1 only No. T6055—Model A
1 only No. T6053—Model 10A
1 only No. T6054—Model Mileaway.

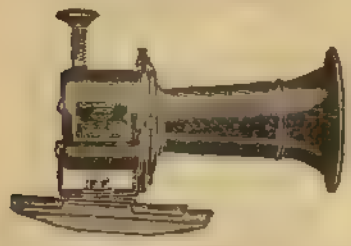
UNMOUNTED

2 only No. T6053—Model 10A
1 only No. T6054—Model Mileaway.

No. T6025—W't each 27 lbs., each $44.00

★ Items Marked Thus ★ Are Shipped From Factory Only.

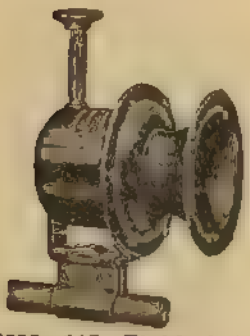
STEWART HAND-OPERATED WARNING SIGNALS



One push of plunger creates 192 distinct sound impulses—more than any other signal. This, together with its exclusive, large-sized vibratone steel diaphragm, accounts for the Stewart's wonderfully effective warning. No matter how installed, signal can always be pointed straight ahead.

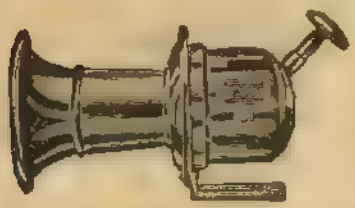
No. T6034—114—Double-supporting adjustable bracket and is self-lubricating. Finished in black enamel, w't each 5 lbs. .....each **$6.70**

ONE IN A BOX



No. T6038—115—Finished in black enamel with nickel plated bell, complete with brackets, w't each 4 lbs. .....each **$6 70**

ONE IN A BOX



This model is efficient in results. The push rod is set at a forty-five-degree angle, making possible a simplification of interior mechanism. One stroke of the plunger creates 84 sound impulses. It has a vibratone steel diaphragm.

No. T6036—151B—Black enamel finish, complete with bracket, w't each 3½ lbs. .....each **$4.70**

ONE IN A CASE

STEWART MOTOR-DRIVEN WARNING SIGNALS

A slight pressure on the large push button sends out a flood of commanding sound waves.

It is economical in current consumption. Brushes are large, rear bearing provided with ball thrust, shaft can never get out alignment, felt-packed oil well gives perfect lubrication.

Has one-piece, seamless projector and back-cover. No solder, parts are riveted and bolted. Finished in hard-baked black enamel. Variety of brackets to fit any car. Outfit includes bracket, push button, terminals and five feet of double-strand electric cord, w't each 7 lbs.

No. F6039—186B—Each★ **$11.35**

ONE IN A BOX

Specify Make, Year and Model of Car When Ordering.

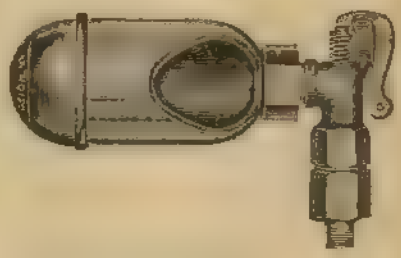
Motor is Stewart-built and embodies a new, improved design of magnetic circuit. Armature is large, gives greater power with less current, diaphragm is made of high grade tempered steel.

This new model is slightly smaller than the DeLuxe Stewart Motor-Driven Signal, No. T Model 136, being two and one-half in. shorter in length and having a diaphragm half a inch less in diameter.

No. F6041—163D—For Underhood installation, complete with bracket, push button, terminals and five feet of electric cord, w't each 3 lbs., each★ **$8.70**

ONE IN A BOX

BUELL EXPLOSION WHISTLES



No. 6070.

No. 6071.

A powerful, practical and perfect warning device, fits in priming cup opening, thereby getting the explosion direct instead of through the exhaust valves. It can be installed on practically all cars without any other parts. On engines not fitted with priming cups such as the Ford, a special spark plug with an opening on the side to accommodate the whistle is furnished.

No. 6070—Single tone, whistle complete, ready for installation, w't, each 1 lb. .....each **$6.70**

No. 6071—Chime tone, whistle complete, ready for installation, w't each 1 lb. .....each **$9.30**

No. 6072—Special Spark Plug for use on engines not having priming cups, w't each 10 oz., extra, each **$1.30**

ONE SET IN A BOX

COMMON SAD IRONS

Cast iron, wrought handle, extra polished face.

Nos.	4	5	6
W't each, lbs.	4	5	6
Per dozen	$8.00	10.00	12.00

Nos.	7	8	9
W't each, lbs.	7	8	9
Per dozen	$13.50	15.30	18.00

Cast iron, wrought handle, aluminum finish, nickel plated face.

Nos.	5NP	6NP	7NP
W't, each, lbs.	5	6	7
Per dozen	$12.00	14.40	16.00

Nos.	8NP
W't each, lbs.	8
Per dozen	$18.00

EXTRA SAD IRON STANDS

No. 250—Coppered, w't per doz. 7 lbs., per dozen $1.50

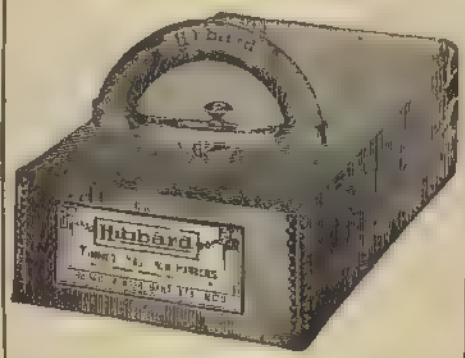
OVB
Our Very Best
Is
The Very Best

FAMILY CHARCOAL IRONS

No. 103—Cast iron, polished body, malleable top, wood handle, tin shield, bottom 6¾x4 in., w't each 6¼ lbs. .....per dozen $38.40

LOOSE

HANDLES



No. 810 HIBBARD—Extra selected, cherry finish, hazelwood handle, tempered spring, riveted to tinned non-breakable stretcher, attached with the longest and heaviest screws practical, w't per doz. 7¾ lbs., per dozen $4 00

ONE DOZEN IN A BOX

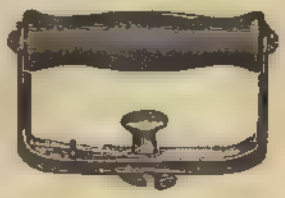
Fits all Mrs. Potts' Irons.

The base being made of steel will not break. The lever for attaching and detaching is placed so as to be easily operated.

No. 10—Universal, steel base, wood handle, for all makes Mrs. Pott's irons, w't per doz. 4 lbs., per dozen $3.00

LOOSE

POTT'S SAD IRON HANDLES



Fits all Mrs. Potts' Irons.

No. 33—Natural wood finish handle and knob, black japanned steel stretcher with malleable catch, w't per doz. 4 lbs., per dozen $2.70

No. 55—Ebonized Wood Handle and Knob tinned Steel Stretcher with malleable catch, w't per doz. 4 lbs. .....per dozen $3.00

From their peculiar shape it will not cramp the hand.

No. 22—Japanned stretcher, w't per doz. 6¾ lbs. .....per dozen $2.80

THIRD DOZEN IN A PACKAGE

No. 610—Japanned stretcher, w't per doz. 6¼ lbs. .....per dozen $2.40

No. 310—Nickel plated stretcher, w't per doz. 6 lbs., per dozen $2.10

ALL ABOVE, LOOSE

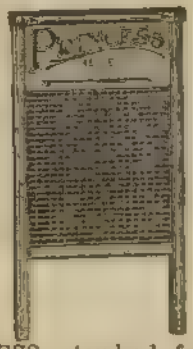
Hibbard
HARDWARE for HARD WEAR

WASHBOARDS

All our washboards are made of white bass wood and poplar Anyone familiar with the nature of this wood knows there is none better to stand the different conditions which material in a washboard has to withstand. They will not warp and get out of shape.

The important part of a washboard is the rubbing surface, and we use nothing but first class, heavy gauge stock in all our boards.

Composition metal is a sheet steel coated with a composition of zinc, tin and lead and as to wearing qualities, we find it to be equal to zinc. Do not confuse this metal with tin plate, as we absolutely do not use tin plate on any of our brands.



PRINCESS, standard family size, double rubbing surface, composition metal, globe crimp one side, plain V on the other side, wide grooved head and soap board inserted deep, all selected material and extra finish, ventilated back, rubbing surface 11×12 in., size over all 13×25 in., w't per doz. 40 lbs.

No. NN12—Half dozen bundles, per dozen $11.30

No. N12—Less than bundles, per dozen $11.30

HALF DOZEN IN A BUNDLE

LIBERTY BELL, laundry size, single globe crimp heavy zinc rubbing surface, selected stock and neatly finished. Size of rubbing surface 12×13½ in., size over all 14×26 in., ventilated back, popular priced laundry board, w't per doz. 20 lbs.

No. NN25— Half dozen bundles, per dozen $13.90

No. N25—Less than bundle, per dozen $13.90

SUPERIOR ZINC, large laundry size, single globe crimp heavy zinc rubbing surface. Selected stock and neatly finished, ventilated back, size 13×14 in., size over all 14½×28 in., w't per doz. 55 lbs.

No. NN26—Half dozen bundles, per dozen $16.60

No. N26—Less than bundles, per dozen $16.60

HALF DOZEN IN A BUNDLE

SOAP SAVER, standard family size. Size 11×12 in., size over all 13×25 in., metal top and soap rest, improved design, all drainings will return to washing surface, w't per doz. 42 lbs.

SOLID ZINC RUBBING SURFACE

No. NN722—Half dozen bundles, per dozen $14.40

No. N722—Less than bundles, per dozen $14.40

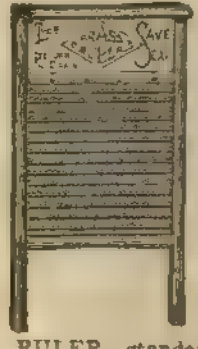
COMPOSITION RUBBING SURFACE

Consisting of sheet steel, metal coated with a composition of zinc, tin and lead.

No. NN723—Half dozen bundles, per dozen $12.90

No. N723—Less than bundle, per dozen $12 90

HALF DOZEN IN A BUNDLE

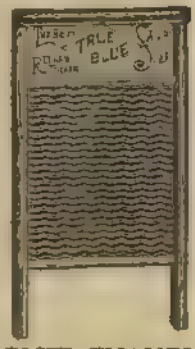


BRASS RULER, standard family size, spiral crimp single brass rubbing surface, selected stock, neatly finished. Size 11×12 in., size over all 13×25 in., rubbing surface is made from high quality heavy sheet brass, specially rolled, solid ventilated back, w't per doz. 32 lbs.

No. NN430—Half dozen bundles, per dozen $12.60

No. N430—Less than bundle, per dozen $12.60

HALF DOZEN IN A BUNDLE



TRUE BLUE ENAMEL, standard family size, single blue enamel, angle rubbing surface, size 11×12 in., size over all 13×25 in., solid ventilated back, w't per doz. 32 lbs.

No. NN420—Half dozen bundles, per dozen $15.40

No. N420—Less than bundle, per dozen $15.40

HALF DOZEN IN A BUNDLE

MONARCH GLASS, standard family size, extra heavy crystal glass plate, pencil crimp rubbing surface. Size 11×12 in., size over all 13×25 in., extra finish, solid ventliated back, w't per doz. 42 lbs.

No. NN410—Half dozen bundle, per dozen $12 80

No. N410—Less than bundle, per dozen $12.80

LAUNDRY GLASS, laundry size, extra heavy crystal glass plate, pencil crimp rubbing surface. Size 12×13½ in., size over all 14×26 in., w't per doz. 60 lbs.

No. NN865—Half-dozen bundles, per dozen $15.50

No. N865—Less than bundles, per dozen $15.50

HALF DOZEN IN A BUNDLE

HORSE LAWN MOWERS

FENDEN

Four-Blade Reel; Drive Rollers 15 inches in Diameter; Diameter of Reel 8 inches; Finished in Green, Gold and Red Paint and Varnished, Handsomely Ornamented.

Guaranteed to Give the Best S[illegible]tion of any Horse-power Mower on the Market. The Frame Construction is the Strongest that it is Possible to Build and is Reinforced at Each End with Heavy Steel Bars. All Parts Accurately Machined and Fitted. Equipped with the **Only Graduated** Raising and Lowering Device, Enabling the Operator to Instantly Adjust the Cutting Height or Allow the Knives to Pass Over a Stone.

Both the Bottom Knife and the Reel are Demountable Without Disturbing the Frame of the Mower. Reel Bearings Turn in Adjustable Split Brass Bushing. Four Revolving Blades, ⅛ of an inch in Thickness, Made of the Best Knife Steel Obtainable, Vanadium-crucible Analysis, Oil Tempered. Double Riveted Malleable Reel Braces Throughout.

Fitted with a Train of Three Gears and Durable Triple Pawl Ratchets Diameter of Drive Rollers 15 Inches. Reel is 8 inches in Diameter and is Quickly Adjusted to the Stationary or Bottom Knife, the Adjusting Screws are Easily Accessible and Seldom Require Attention.

Fully Equipped with Driver's Seat, Shafts and Side-draft Attachments.

Width of Cut, Inches..	**‡30**	**‡35**	**‡40**
Weight Boxed, lbs.....	610	825	1025
Each.....	**$264 00**	**275 00**	**297 00**

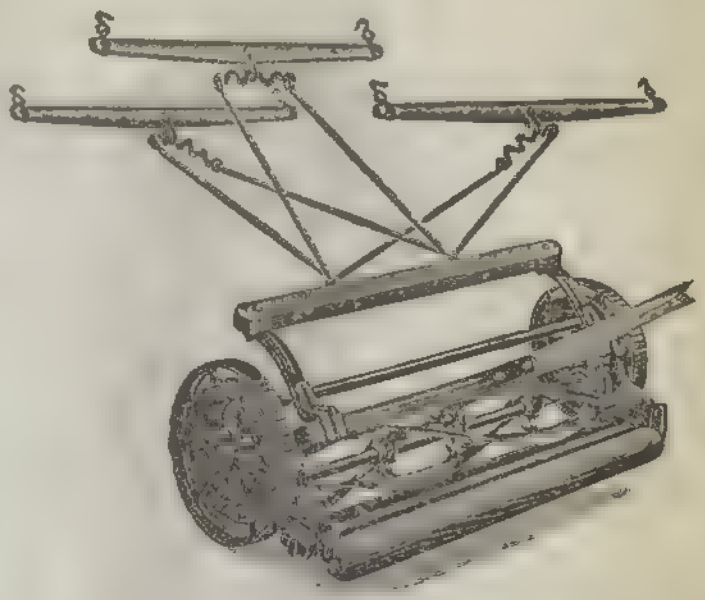
TELL THINGS IN ADVERTISING

IT IS WELL TO MAKE IT A POINT TO "TELL THINGS" IN ADVERTISING, AVOIDING "GLITTERING GENERALITIES." TALKING RATHER IN A STRAIGHTFORWARD, EASILY UNDERSTOOD MANNER, TELLING CUSTOMERS JUST WHY THEY SHOULD PATRONIZE YOU. ABOVE ALL, DON'T TAKE ANY CHANCES OF BEING SOLD OUT, AND COMPELLED TO OFFER EXCUSES. KEEP YOUR STOCK UP BY MAIL ORDERS AND BE ALWAYS PREPARED TO CARE FOR THE TRADE WHICH YOUR ADVERTISING BRINGS.

PONY LAWN MOWERS

CRESTLAWN

BALL BEARING



The Construction of this Machine is Positively the Very Best on the Market and is as Near Perfect as Can be Made. The Parts Making the Frame are all Lathe Turned and the Cast Bed Plate is Machined into the Side Plates, Forming an Automatic Interlocking Adjustment which Cannot be Jarred or Twisted out of Alignment.

Pony Mowers are Often Used by Hand Power and the Crestlawn is Particularly Good for this Purpose, as it has **Ball Bearing Drive Wheels.** This Makes the Machine Easy-running and very little Harder to Operate than Many Hand Machines.

The Reel is Made with Four Revolving Cutters and is Ball Bearing. The Ball Bearing Parts are Automatic in Action and Never Need to be Touched by the Operator. The Revolving Cutters are, Therefore, Held in Position Under all Conditions and will Give a Clean Shear Cut at all Times.

[illegible] Steel Bed Knife is Made with Raised Lip, which Adds Strength and Rigidity.

All Material is First Grade and the Very Best that Money Can Buy.

Drive Wheels [illegible] inches high. Diameter of Reel 6 inches. Reel Axle [illegible] Adjustable to Cut Grass to Lengths of ¼ to ½ inch. Cuts Grass Standing 7 inches High.

Handle and Roller of Hardwood Maple, Thoroughly Seasoned and Finished.

Horse Attachment

Each Mower is Equipped with our Patented Horse Attachment. This Can be Adjusted Quickly and in Such a Manner that in Operation the Mower is Held to the Ground and the Disagreeable "Tipping up" of the Rear of the Mower is Impossible. The Draft of the Mower is Just the Same When Operated by Either Horse or Hand. Without Attachment the Horse Can Walk in the Middle, Front or to Either Side of the Mower and Yet Maintain a Central Draft at all Times.

Sold on an Absolute Guarantee to Give Satisfaction

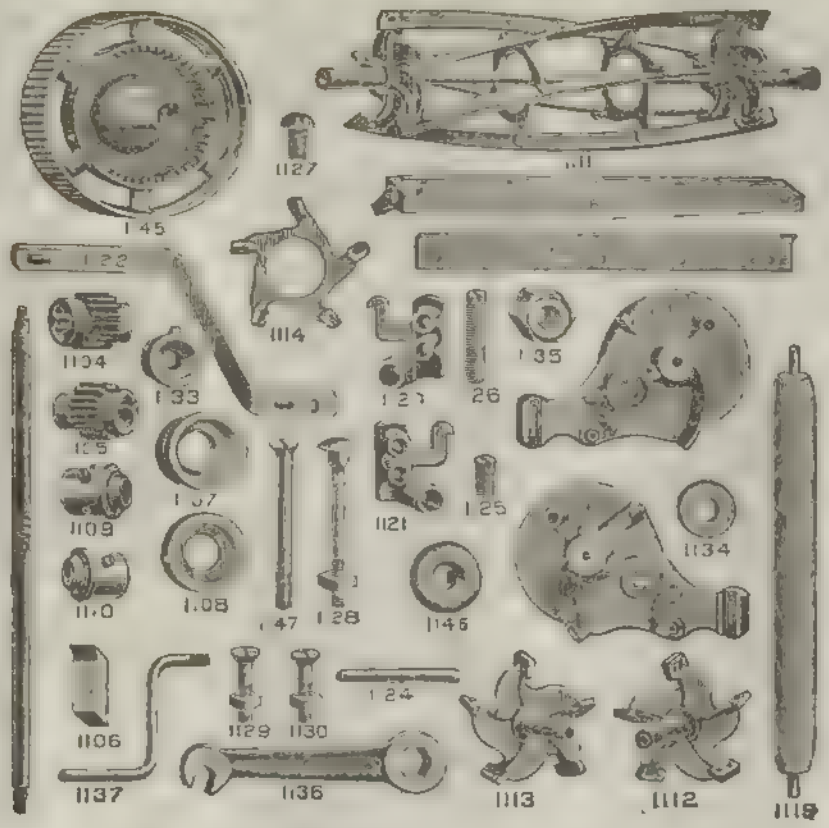
Each

‡**No. CP30**—Width of Cut 30 inches. Extreme Width 37 inches; Weight, Boxed, 115 lbs.; Beautifully Finished. **$90.00**

Items Marked ‡ Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory, Richmond, Ind.

LAWN MOWER PARTS

**DIAMOND EDGE*



PRICE LIST OF EXTRAS

Instructions for Ordering

1st—Give Number and Description of Part. **2nd—Always Give Name and Size of Machine**

Nos.	Name	Weight	Each	
✣1101	—Same as No. 1143T, H. Side Plate with Cup	3½ lbs.	$8 00	4 00
✣1102	—Same as No. 1111 Driving Wheel R. H. Side Plate with Cup	3½ lbs.	6 00	4.00
✣1103	—Same as No. 1145, Driving Wheel Both Alike	7 lbs.	4 50	3 00
✣1104	—L. H. Pinion, 13-16 inch Hole	5 ozs.	.75	.50
✣1105	—R. H. Pinion, 13-16 inch Hole	5 ozs.	.75	50
✣1106	—Steel Pawl	1 oz.	15	10
✣1107	—Ball Cup, Without Balls	3 ozs.	90	.60
✣1108	—Dust Cap for Ball Cup	1 oz.	.30	.20
✣1109	—L. H. Cone	4 ozs.	1 20	80
✣1110	—R. H. Cone	4 ozs.	1 20	80
✣1112	—L. H. Cylinder Head	19 ozs.	3.60	2.40
✣1113	—R. H. Cylinder Head	19 ozs	3 60	2 40
✣1114	—Cutting Knives	9 ozs	90	.60
✣1120	—L. H. Roller Bracket	7 ozs.	.45	.30
✣1121	—R. H. Roller Bracket	7 ozs.	.45	.30
✣1123	—Wood Handle	3¼ lbs.	3 30	1.50

Nos.	Name	Weight	Each	
✣1124	—Steel Pin for Cone, ⅜x1¼ inch	1 oz.	$0 15	.10
✣1125	—Steel Set Screw for Cone, 5-16x⅝	1 oz.	15	.10
✣1126	—Set Screw for Bed Plate, 5-16x1¼	1 oz.	15	.10
✣1127	—Machine Screw for Spiral Blade	1 oz.	.15	.10
✣1128	—Bolt for Handle Braces, ¼x3	2 ozs	.15	.10
✣1129	—Bolt for Cast Brace, ¼x1¾	1 oz.	15	.10
✣1130	—Bolt for Roller Bracket, ¼x1¼	1 oz.	.15	.10
✣1133	—Washer for Bed Plate, ¼	1 oz.	15	.10
✣1134	—Washer for Roller or Handle Bolt	1 oz.	15	10
✣1135	—Nut for End of Shaft	1 oz.	.15	.10
✣1138	—Wrench	6 ozs	.15	.10
✣1137	—Sharpening Crank	4 ozs	.30	.20
✣1138	—Ball and Retainer for One Cup	2 ozs	90	.60
✣1139	—Rivets for Cyl. Knives	1 oz.	.15	.10
✣1140	—Knife Pins	3 ozs	25	.15
✣1146	—Washer for Wheel Bearing	1 oz	.15	10
✣1147	—Ball for Wheel Bearing, ¼x3/8	2 ozs	30	.20
✣1148	—Steel Stud for Side Plate	7 ozs	1 20	.80

Nos.	Name	15 inch Weight	15 inch Each		17 inch Weight	17 inch Each		19 inch Weight	19 inch Each		21 inch Weight	21 inch Each	
✣1111	Right Hand Complete 5 Knives	7¼ lbs.	$18	10	8 lbs.	$18 00	11 00	8½ lbs.	$19 50	13 00	11 lbs.	$21 00	14 00
✣1115	Spiral Blade	2 ozs.	2 40	1 60	2 ozs.	2 70	1 80	2 12 ozs.	3 00	2 00	1 lb.	3 30	2 20
✣1116	Bed Plate for Cylinder	3½ lbs.	3 30	2 20	4 lbs.	3 60	2 40	4½ lbs.	3 90	2 60	5¼ lbs.	4 20	2 80
✣1117	Wheel Bearing	1¾ lbs.	2 30	1 50	1¾ lbs.	2 60	1 70	1¾ lbs.	2 90	1 90	1½ lbs.	3 20	2 10
✣1118	Shaft	2 lbs.	1 80	1 20	2 lbs.	2 10	1 40	2 lbs.	2 40	1 60	2½ lbs.	2 70	1 80
✣1119	—Wood Roller	1¼ lbs.	1.50	1.00	1¼ lbs.	1 65	1 10	1½ lbs.	1.80	1.20	1¾ lbs.	2.00	1.30
✣1122	—Handle Brace	1½ lbs.	1 05	70	1½ lbs.	1 20	80	1½ lbs.	1 35	90	1½ lbs.	1 50	1 00

Items Marked ✣ Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory, Philadelphia, Pa.

ARTIFICIAL FROGS

No. 30 — Solid rubber with two Carlisle hooks, non-floating, length 3 in. .....per dozen $10.00

ONE ON A PERFORATED CARD

No. 20—Moulded ground cork and pure, soft rubber, decorated true to life, hollow point hooks, floats belly down .....per dozen $12.00

ONE IN A BOX, HALF DOZEN IN A CARTON

No. 3-0—Hollow rubber, with weedless hooks, length 3½ in., per dozen $16.00

ONE IN A BOX, HALF DOZEN IN A CARTON

No. 12—Pure India rubber, very life-like, large size, per dozen $9.60

ONE ON A CARD, DOZEN IN A BOX

WHITE GRUB BAITS

A very close imitation of a live grub and equally effective.

No. 18—Trout, on hollow point hook, per dozen $2.40

ONE DOZEN ON A BLOTTER BOARD, IN A FANCY BOX

ARTIFICIAL GRASSHOPPERS

Body is made of pure rubber with indestructible gauze wings, very life-like.

No. 218—Small ....per dozen $6.00
No. 219—Medium ...per dozen 6.00
No. 220—Large ....per dozen 6.00

ONE DOZEN ON A CARD

TUTTLE'S DEVIL BUGS

For trout, bass and all game fish. Made of bucktail, shaped and colored to a very life-like apearance. Strong and solid, wrapped with fine wire and will hold up for many a cast, in fact they are practically indestructible. A good lure, made right, and of good material all the way through.

No. 333—For Trout, tied on No. 4 and 6 Sproat Hooks, per assortment of six $8.00
No. 444—For Bass, tied on No. 1/0 and 2/0 Sproat Hooks, per assortment of six $9.60

SIX IN A PARTITIONED BOX

RUBBER BAIT ASSORTMENTS

No. 200—Assortment consists of one dozen of the most popular baits on card in fancy box, per dozen assortments $55.20

For illustration of these baits see cuts of No. 200 assortment above.

Pure India Rubber, Very Life-like.

No. 14—Worm ....per dozen $6.00
No. 13—Minnow, 1¼ in. long, per dozen $4.60
No. 31—Grasshopper, per dozen $4.20

ONE DOZEN ON A PERFORATED CARD

PURE RUBBER BAITS

CRAWFISH

No. 211—Small size, 2 in., per dozen $6.00

ONE DOZEN ON A CARD, TWELVE CARDS IN A BOX

HELGRAMITE

Campbell's.

No. 213—Large size, 2½ in., with extra bucktail treble hook trailing, per dozen $3.00

ONE DOZEN ON A CARD, SIX CARDS IN A BOX

No. 214—Small size, 1¼ in., per dozen $3.60

ONE DOZEN ON A CARD; ONE DOZEN IN A BOX

CRICKET

No. 215—Small size, ⅞ in., small hook, per dozen $2.70

ONE DOZEN ON A CARD, TWELVE CARDS IN A BOX

No. 216—Large size, 1¼ in., bass size hook .....per dozen $3.60

ONE ON A CARD, TWELVE CARDS IN A BOX

No. 217—Large size, 1¼ in., trout size hook .....per dozen $3.60

ONE ON A CARD, ONE DOZEN CARDS IN A BOX

DOBSON

No. 21—Pure India rubber, very life-like, large size ....per dozen $8.60

ONE ON A CARD, DOZEN IN A BOX

TANDEM WEEDLESS HOOKS

No. 220—Long shank, **not weighted,** sizes 5-0, 4-0, and 3-0, per dozen $2.70

No. 221—Long shank, **weighted,** sizes 4-0 and 5-0, per dozen $3.60

ONE ON A CARD, ONE DOZEN IN A BOX

FROG HARNESS

The most practical and satisfactory live bait made, frog is so held without hooking that it will remain absolutely alive, allowing free use of body and legs, thus making bait most attractive, unlimited number of casts may be made without injury to frog.

No. 42—U. B. Live Frog, front hook size 4/0 sproat, rear hook size 6/0 Carlisle, nickel plated wire holder, per dozen $9.00

ONE IN A BOX; ONE DOZEN IN A CARTON

PORK RINDS

AL. FOSS, these pig skins have had the grease removed, are punched and perforated ready for the lure. Especially adapted for the Al Foss baits.

No. 1939—12 strips per bottle, per dozen bottles $7.00

ONE DOZEN IN A BOX

PERFECTION

A New Thin Pork Rind Bait.

No. 1937—It rides upright just like a minnow. Wiggles like everything. Fish just can't resist it. For use on any lure. One piece lasts all day. A pork rind bait with lasting qualities that is a perfect imitation of a live minnow. One dozen pieces in each jar, per dozen $6.40

ONE DOZEN IN A BOX

PORK RINDS

No. 1938—Lutz Pork Rind. About one dozen strips in screw top bottles, per dozen $6.40

No. 1941—Pork rind, 2½ in. long, slit down the sides, giving a life-like and animated motion, practically non-fouling .....per dozen $8.00

ONE DOZEN BOTTLES IN A CARTON

PRESERVED BAITS

MINNOWS

The composition used in preserving the minnow does not affect shape or shininess, will not toughen or harden the bait, and gives all the appearance of a live shiner.

No. 1935—About 5 doz. in a bottle, assorted, per doz. bottles $3.80

TWO DOZEN IN A CASE

FROGS

Selected sizes for Bass, Pike, Pickerel, Muskies, etc. Preserved to retail natural colors. Not rubbery, but will remain on hook much longer than live frogs, when casting or trolling. A popular seller.

No. 1936—One dozen in a screw top glass jar, per dozen $7.10

ONE DOZEN IN A CASE

SALMON EGGS

No. 1940—Every Egg a Perfect Bait. Guaranteed to have no poisonous substances used in preparation, w't per doz. 4 lbs., per dozen cans $6.00

ONE DOZEN IN A BOX

AL FOSS PORK RIND

ORIENTAL WIGGLER

Solid celluloid pork rind tail minnow, red and white. Hand forged O'Shaughnessy imported hook, w't ¼ oz.

Nos.	330	420
Size hook	3/0	2/0
Per dozen	$16.00	16.00

LITTLE EGYPT WIGGLER

No. 1330—Brass, heavily nickel plated. 3/0 hand forged O'Shaughnessy imported hook, w't ¼ oz., per dozen $12.00

THE BRIDGE

No. 030—Semi-Surface lure. Practically weedless 3/0 hand forged O'Shaughnessy hook, per dozen $12.00

ALL ABOVE ONE IN A BOX ONE DOZEN IN A CARTON

AL. FOSS SHIMMY WIGGLERS

As used with Al. Foss Buck-Tail Streamers, with or without Pork Rind.

Showing method of attaching Fly or Hook to lure.

With Eyed Weedless Fly and Small Strip of Al. Foss Pork Rind on Curve of Hook.

With Plain Eyed Hook and Regular Al. Foss Pork Rind.

With each bait an extra fish hook is packed. Any ringed fly of any size can be attached.

No. 530—Size 1/0 hook, assorted Red Ibis and Parmachene Belle Flies, w't ¼ oz. ...per dozen $16.00

No. 730—Size 3/0 hook, assorted Red Ibis and Parmachene Belle Flies, w't ½ oz. ....per dozen $16.00

MINNOWS

FLAT SIDE CHUB

Represents an injured minnow which is laying on its side about all in, but still able to make a little fuss on the surface and should be pulled in a series of small slow jerks or very slowly to properly imitate a struggling minnow. Bass will instantly take a lure which they believe to be a minnow in trouble and therefore easy to catch.

Loose vibration spinners give to strike or weeds, etc., and are superior to rigid kind. When pulled through water they spin just right and have a buzzing vibration which is very attractive. Bending of shaft will not stop them form spinning and small grass and moss do not clog them.
Easily cleaned.

No. 1500—A beautiful blend of dark green, silver and red in large scale finish, length of body 3¾ in., w't ¾ oz. .....per dozen $16.00

[redacted]

Looks like a nice little meal for the fish. Has two double hooks which can be reversed so hooks point up and when so used gives a bait that can be pulled over the surface weeds and pads without fouling.

No. 1600—A beautiful blend of dark green, silver and red in large scale finish, length of body 3¾ in., w't ¾ oz. .....per dozen $15 20

"WALTON" FEATHER-TAIL

This new feather tail lure is a sure getter a sporting killer bound to awaken the unstinted praise of any angler. Sinks rapidly and the combinaton of spinner and feather is very effective. Practically weedless, it is ideal for use in lily pads and weeds where the big ones lie.

Equipped with No. 3/0 'OShaungnessy hook, length of body 3 in. over all, length of feather tail, 2¼ in., w't ¾ oz.

No. 42—Red and white, per dozen $16.00

No. 49G—Black body, orange tail, per dozen $16.00

No. 49P—Shiner scale, gray tail, per dozen $16.00

No. 49M—Pike scale, green and yellow tail .....per dozen $16.00

NEW HEDDON "GAME FISHER"

Flexible, triple acting body-liveliness that out-natures nature. Floats while at rest, runs deep when retrieved, casts easily. This lure is sturdily built to withstand the most savage attacks of large game fish.

Equipped with two trebles, length of body, 4¾ in. w't ¾ oz.

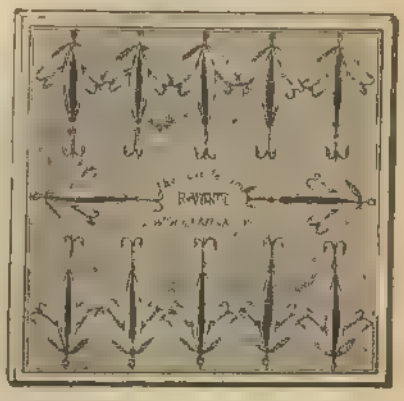
No. 5501—Rainbow, per dozen $16.00

No. 5502—White body, red head and tail, ...per dozen $16.00

No. 5509D—Green scale, per dozen $16.00

No. 5509P—Shiner scale, per dozen $16 00

LITTLE IMP ASSORTMENTS



No. 33X [redacted]—Assorted green back, yellow belly and green back, white belly, three treble hooks, wood body 2½ in. long, w't about 1 oz. each minnow, 12 on a card, per card $4.00

Highly polished metal head, all silk body, covered with waterproof varnish, mounted on brass box swivel and spring steel treble hooks.

Nos.	02	03	04
Length, in.	2½	3	3½
Weight, lbs.	½	¾	1
Per dozen	$8.00	8.00	8.00

Nos.	05	06	07
Length, in	3½	4	4½
Weight, lbs.	[illegible]	1	1½
Per dozen	$8 00	10.00	11.30

ONE ON A CARD IN A BOX; HALF DOZEN IN A CARTON

Hibbard Hardware for Hard-Wear

ENAMELED SILK LINES

TAPERED ENAMELED

Absolutely waterproof. Made from the highest quality pure silk. Perfectly finished. Guaranteed. 30 yds. on a card.

DOUBLE TAPERED

No. 3030—Size C .....each $13.50
No. 3031—Size D .....each 14.00
No. 3032—Size E .....each 14.00
No. 3033—Size F .....each 10.00

ONE IN A BOX

YUKON

FOR FLY OR BAIT CASTING

This line is extra hard braided from extra high quality Japan silk, enameled by a special process, leaving a transparent finish showing the natural colors, also tough elastic and does not turn yellow with age; 25 yards on a card, 4 connected.

NATURAL

Nos.	2019	2020	2021	2022	2023
Size	H	G	F	E	D
Test, lb.	14	18	22	26	30
100 yards	$4.80	5.30	6.00	7.40	8.00

RED

Nos.	2024	2025	2026	2027	2028
Size	H	G	F	E	D
Test, lb.	14	18	22	26	30
100 yards	$4.80	5.30	6.00	7.40	8.00

100 YARDS IN A BOX

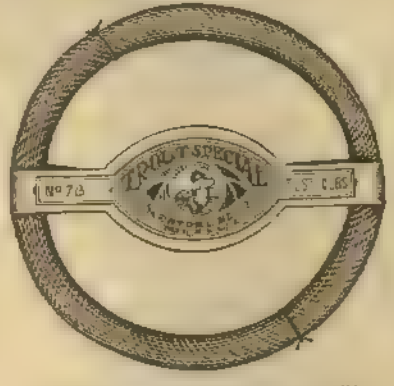
ONTRA

Braided from the highest quality pure silk, enameled by an improved process, which insures elasticity, durability and strength. Absolutely perfect in every way; every line guaranteed; color green. In 30 yard coills.

Nos.	2029	2030	2031
Size	I	H	G
Test, lb.	14	18	22
Per 100 yards	$5.30	5.40	6.70

ONE COIL IN A BOX

TROUT SPECIAL FOR FLY CASTING



The highest quality Japan silk, selected stock, hard braided. Without exception, no better Trout Line made; working freely through rod guides; beautiful finish, tough, elastic and strong. Every yard guaranteed; made in one size only, No. 7; color White with Black and Red Cross stripe. 25 yards on a card.

No. 2042—Size 7, tested strength 10 lbs. .....per 100 yards $3.40

100 YARDS IN A BOX

HUCKLEBERRY FINN

This line is braided with unusual care from highest quality silk—thoroughly waterproofed, and finished with a special high gloss, elastic enamel, which will not crack or peel; unequaled for the price by any line on the market. 25 yards on a card.

NATURAL

Nos.	2007	2008	2009	2010
Size	H	G	F	E
Test, lb.	12	16	20	24
Per 100 yards	$3.50	3.60	4.80	5.70

GREEN

Nos.	2011	2012	2013	2014
Size	H	G	F	E
Test, lb.	12	16	20	24
Per 100 yards	$3.10	3.60	4.80	5.70

SPECIAL

Nos.	2015	2016	2017	2018
Size	H	G	F	E
Test, lb.	12	16	20	24
Per 100 yards	$5.70	3.60	4.80	5.70

100 YARDS IN A BOX

NEPTUNE

Made from the highest quality China Silk. Best moderate priced line made; thoroughly enameled by a special process, which gives a tough, glossy and flexible finish, enabling it to stand up under any kind of use; 25 yards on a card, four connected; color white and black variegated.

Nos.	2003	2004	2005	2006
Size	G	F	E	D
Test, lb.	12	17	22	26
Per 100 yards	$2.80	3.10	4.00	5.40

100 YARDS IN A BOX

"SOUTH BEND" FISHING TACKLE

National advertising in a big way creates the demand for these highest quality goods. And the attractive counter display packing is a big aid in making sales

BRAIDED SILK LINES

100% Jap twist silk, scientifically braided, uniformly smooth

"Cast Orono" [illegible] colored patented [illegible] waterproof casting line. [illegible] standard casting line. [illegible] 50 yds. on spool, 3 spools connected (150 yds.) in box

1K4150	[illegible]	Doz. $1.80
1K4151	[illegible]	2.20
1K4152	[illegible]	2.47
1K4153	[illegible]	2.33

"Black Orono" Hard braid, waterproofed, solid black, will give long service. 50 yds. on spool, 2 spools connected (100 yds.) in box

1K4175	[illegible]	$2.20
1K4176	[illegible]	2.67
1K4178	[illegible]	3.40
1K4179	[illegible]	4.00

Anti-Back-Lash [illegible] white with [illegible]

1K4171	[illegible]	$2.33
1K4172	[illegible]	2.13
1K4174	[illegible]	2.67

"Peach-Orono" Medium soft braid, sails and pepper design. Great grade Jap silk braided over 3 twisted cores giving this symbol strength for size and producing one of the best all around casting lines. 50 yds. on spool, 3 spools connected (150 yds.) in box

1K4180	[illegible]	Box. $2.47
1K4181	[illegible]	2.87
1K4182	[illegible]	3.67

ENAMELED SILK LINES

For fly casting or trolling. Selected Jap silk, baked enameled finish.

"White Orono" [illegible] green, [illegible] mottled pattern. 50 yds. on round [illegible] 3 spools connected (150 yds.) in box

1K4144	[illegible]	Doz. $2.33
1K4147	[illegible]	3.73
1K4148	[illegible]	4.40

"Trout-Orono"—Hard braid black & white mottled. 50 yds. on round [illegible] 4 cards connected (200 yds.) box

1K4150	[illegible]	Box. $3.60
1K4151	[illegible]	4.40
1K4152	[illegible]	5.33

FISH SCALER

1K4161 [illegible] Doz. 75c

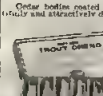
ANTI-BACK-LASH REELS

1K7345 Mfrs. 1101A). Anti-Back Lash 2 in box. Each, $8.33

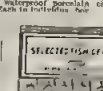
1K9344— Mfrs. 1200). Anti-Back-Lash and level winding, practical casting wt., screw drive and [illegible] pawl in diamond bar. 2 in box. Each, $16.66

WOOD MINNOWS

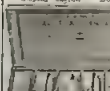
Cedar bodies coated with finest waterproof porcelain enamel, beautifully and attractively decorated. Each in individual box



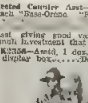
2K4004—Assorted colors. 1 doz. in display carton. Doz. $5.20



Selected Canvier Asst—Contents each "Base-Orono" "Babe-O



"Base-Orono" Counter Box Assortment—the best [illegible] $1.40

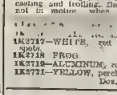


[illegible] assortment giving good variety for a small investment that will go.

1K3356—Assid. 1 doz. in counter display box..... Doz. $5.60

"Babe-Orono"—Jr. size Base-Orono [illegible] of the 6 most popular decorations, for all game fish [illegible] Assid. ½ doz. in counter box .. ASST. (½ doz.) $3.40

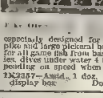
Base-Orono [illegible] Asst—Base-Orono divers with folding display stand printed in colors. [illegible] Assid. ½ doz. in box. ASST. (½ doz.) $3.40



"Base-Orono"—3½ inch wobbler for casting and trolling. Floats when not in motion, when [illegible]

1K2717	[illegible]
1K2718	WHITE, red & green spots
1K2719	FROG
1K2720	ALUMINUM, red head
1K2721	YELLOW, perch scale

Doz. $6.80

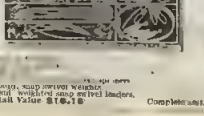


especially designed for [illegible] eyed pike and large pickerel but effective for all game fish from bass to [illegible]. dives under water 4 to 8 ft., according on speed when reeled in.

1K2357—Assid., 1 doz. in counter display box Doz. $8.00

No. 290 SPINNER AND SMALL TACKLE DISPLAY ASSORTMENT

Ideal way for handling small staples. Separated in eighteen compartments with retail selling price for each item



1K7377 [illegible]

1 doz. [illegible] snap swivel sinkers

2 doz. assid. weighted snap swivel leaders.

Total Retail Value $16.18

Complete asst. $8.80

FLIES AND SPINNERS

A splendid selection of real fish, feather manufactured with the same care and perfection that makes all "South Bend" tackle popular with real fishermen

[illegible] Doz. $2.46

"Mark Orono" [illegible] spoon, [illegible] Doz. $2.80

[illegible] Doz. $2.46

Bass-Orono" Fly with Spinner—[illegible] with single spinner

1K2365—Assid. 3 doz. in box. Doz. $3.60

"Orono" Fly Spoons [illegible] Bass and trout size, selected popular [illegible] feathered flies tied on hollow point [illegible] Doz. $2.60

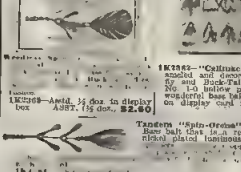
1K2369—Assid. ½ doz. in display box ASST. (½ doz. $2.60

1K2362—"Caliuaco," cork bug, enameled and decorated [illegible] with No. 1-0 hollow point hooks. A wonderful bass bait. Assid. 4 doz. on display card in box. Doz. $5.20

Tandem "Spin-Orono" [illegible] Bass bait that is a real fish [illegible] nickel plated luminous tipped [illegible] Doz. $4.80

WINDOW DISPLAY ASSORTMENT

A profitable way to break into the better grade tackle business. Creates favorable attention besides earning a profit with 23 in. 3 color litho display card. Packed in corrugated shipping carton



1K2338—Asst. consists of the following packed in individual compartments:

11 "Base-Orono" Minnows
3 Midget" Minnows
3 Surf-Orono surface bait
[illegible] snap swivels.

Packed in 19 [illegible] compartments with retail prices. Total retail Selling Price, $40.25

ASST $25.00

MINNOW BUCKETS

Well known and fast sellers. A good profit [illegible]

1K4370—[illegible] round, [illegible] [illegible] wrapped [illegible] Each $1.25

Combination [illegible] green enameled gold [illegible] wrapped, [illegible] 1K2780—7 qt. Each, $1.65 [illegible] $1.75

[illegible] Carlisle Style. [illegible] 1-0 1-0 and 3-0

Cincinnati Base Style [illegible] 1-0 1-0 and 3-0

[illegible] Each [illegible] $3.00

STAR VALUE

[illegible] green mottled, on plated paper covered wood winder [illegible] Doz. 78c

1K2641 Frost [illegible] single [illegible] 6 yards [illegible] Doz. 78c

1K2642—Same, 8 ft., double [illegible]

[illegible]		$0.30
12 cards [illegible]		$0.80
6 Barbs [illegible]		60
[illegible]		80
[illegible]		60
[illegible]		60
[illegible]		55
[illegible]		2.10
[illegible]		$5.70

1 asst. in box. [illegible] ASST. (48 lines) $3.15

SQUIRREL FLY

This is a most effective lure, for fly rod; also for bait casting rod angling when used with a single or tandem spoon, tied with genuine silk on straight Eyed Ringed Hollow Point Highest Grade Hook, bronzed finish. Assorted colors, fox gray and black hair.

These are mounted.

No. 1435—For **bass,** hook size No. 1, per dozen $4.80

No. 1431—For **trout,** hook size No. 8, per dozen $4.80

ASSORTED ONE DOZEN ON A CARD

PLAIN TREBLE HOOKS

No. 8

Standard quality, bright finish, spear point ringed.

Nos.	...8, 7, 6, 5, 3, 2, 1	1-0	2-0
Per gross	$3.40	3.90	4.20
Nos.	4-0	6-0	8-0
Per gross	$5.50	7.40	12.50

THREE DOZEN OF ONE SIZE IN A BOX

FEATHERED TREBLE HOOKS

Wrapped full with a choice selection of white, red and fancy feathers. Dressed on finest, imported, bright ringed treble hooks.

Nos.	2300	2301	2302	2303
Size	4	2	1	1-0
Per dozen	$2 60	2.60	2.60	3.10
Nos.	2304	2305	2306	
Size	3-0	5-0	7-0	
Per dozen	$3 60	4 00	5.00	

ONE ON A CARD

WATERWITCH BUCKTAIL GANGS

RED FEATHER CENTER

These are made of genuine Deertail hair, used after being thoroughly cleaned and disinfected. Tied with best linen thread on finest imported, bright, treble hooks top and bottom, single in center, hollow point single sprout hooks, hooks connected with bronze cable wire.

NATURAL BUCKTAIL

Nos.	2934	2935
Size, gang	3–0	4–0
Size, hooks	2–0	3–0
Length overall, in.	3½	3¾
Per dozen	$8.00	10.40

WHITE BUCKTAIL

Nos.	2934W	2935W
Size, gang	3–0	4–0
Size, hooks	2–0	3–0
Length overall, in.	3½	3¾
Per dozen	$10.40	12.00

ONE ON A PERFORATED CARD. THREE CARDS CONNECTED

GENUINE BUCKTAIL

NATURAL

These Bucktails are made from genuine Deertail hair, tied on hollow point, bright, ringed eye treble hooks. Natural color, red feather center.

Nos.	1811	1812	1813	1814	1815
Size	2	1–0	2–0	3–0	5–0
Per dozen	$3.20	4.00	4.00	4.00	4.00

ONE ON A CARD

WEEDLESS FEATHERED TREBLE HOOKS

Red and white fancy feathers tied on finest imported bright ringed treble hooks with cone-shaped wire weed guard.

Nos.	2110	2130	2150
Size	1–0	3–0	5–0
Per dozen	$4.70	5.60	6.20

ONE DOZEN IN A BOX

WEEDLESS BUCKTAIL

Made from genuine Deertail hair, tied on hollow point bright ringed treble hooks. Made up of mixed bucktail with red feathers center.

Nos.	2210	2230	2250
Size	1-0	3-0	5-0
Per dozen	$7.20	7.20	8.00

ONE DOZEN IN A BOX

LEADERS

Made of selected, medium heavy weight Superior Gut every strand is smooth and perfect, two knots to each yard, looped at each end, w't per doz. 2½ oz. Furnished in natural, bronze, black and green, specify.

SINGLE GUT

No. 501—1 yard ....per dozen $1.50
No. 502 –2 yards ...per dozen 2.70

DOUBLE GUT

No. 5501—1 yard ...per dozen $2.60
No. 5502—2 yards ..per dozen 4.60

3 PLY TWISTED

No. 1101—1 yard ....per dozen $2.50
No. 1102—2 yards ..per dozen 4.60

ONE ON A FOUR POINT LABEL

REVONOC LEADERS

Made of selected heavy weight Estriada Gut, every strand smooth and perfect, two knots to each yard; looped at each end, w't per doz. 2 oz.

SINGLE GUT

No. 301—1 yard ....per dozen $1.10
No. 302—2 yards ...per dozen 2.10

DOUBLE GUT

No. 3301—1 yard ....per dozen $2.00
No. 3302—2 yards ...per dozen 3.50

ONE ON A CARD

COMPETITION LIGHT TROUT LEADERS

Made from regular run Estriada Gut, fine or medium. Hand stretched and tested, w't per doz. 2 oz.

SINGLE GUT

No. 271—1 yard ....per dozen $0.70
No. 272—2 yards ...per dozen 1.50

DOUBLE GUT

No. 2271—1 yard ...per dozen $1.40
No. 2272—2 yards ..per dozen 2.70

ONE DOZEN IN A TRANSPARENT ENVELOPE

HEAVY BASS AND TROUT LEADERS

Made of the heaviest, selected Superior Gut, every strand is smooth and perfect, three knots to each yard, looped at each end, w't per doz. 2½ oz.

SINGLE GUT, BASS

No. 701—1 yard ....per dozen $1.80
No. 702—2 yards....per dozen 2.80

SINGLE GUT, TROUT

No. 801—1 yard ....per dozen $2.00
No. 802—2 yards ...per dozen 3.10

ONE ON A FOUR POINT LABEL

CRUSO LEADERS

Made of selected, medium weight, Estriada Gut, every strand is smooth and perfect, three knots to each yard; looped at each end, w't per doz. 2 oz.

SINGLE GUT

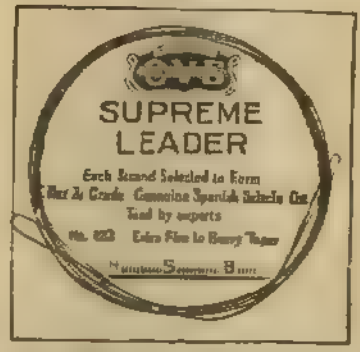
No. 281—1 yard ....per dozen $1.00
No. 282—2 yards ...per dozen 1.80

DOUBLE GUT

No. 2281—1 yard ...per dozen $1.70
No. 2282—2 yards ..per dozen 3.10

ONE ON A CARD

SUPREME TAPERED LEADERS



No. 1002—Made of a selection of perfect Selecto strands tapered from 3X fine to extra heavy, length 2 yards, three knots to each yard, looped at each end. w't per doz. 2½ oz. .....per dozen $2.90

ONE IN A TRANSPARENT ENVELOPE

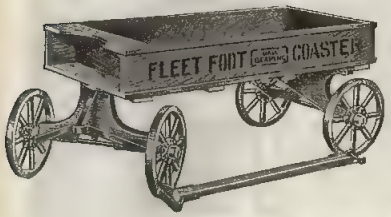
COASTER WAGONS

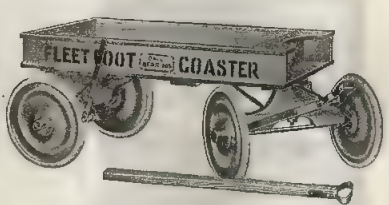
Bright paint and sturdy construction make these wagons the first choice of boys and girls who see them — that's one reason why we are the biggest jobber of wheel goods in America. Another reason is our ability to name prices like these.

FAMOUS "FLEET-FOOT" COASTER WAGONS

Distributed Exclusively by Butler Brothers

Selected hardwood removable bodies, well varnished, natural finish, red trimmed, wing nuts, strong cleats across bottom of bed, heavy braces and "V" front bound, axles fastened securely by eye bolts to heavy 1 pc. bolster, pressed steel fifth wheel, direct bolster braces, strong King bolt, metal brake, steel "D" grip on wood handle.





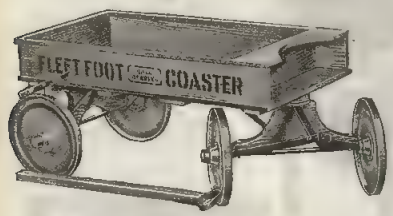
WOOD SPOKE WHEELS—30 in. red enameled wood wheels, heavy steel tires welded and shrunk on.

PLAIN BEARINGS—Malleable iron hubs.

F94	Body 28x16 in.	1 in carton, 30 lbs				Each,	$4.50

BALL BEARINGS—Malleable iron reinforced iron hubs.

F93	Body 32x16 in.	1 in carton, 38 lbs				Each,	$4.75
F96	" 36x16 "	1 "	"	46 "		"	5.40
F98—	" 40x16 "	1 "	"	51 "		"	6.00



STEEL DISC WHEELS—Ball-bearing, self contained cone, 10 in. red enameled steel disc wheels reinforced black enameled hubs, ⅝ in. steel tires.

F120	Body 32x16 in.	1 in carton, 38 lbs				Each,	$4.75
F122—	" 36x16 "	1 "	"	46 "		"	5.40
F124—	" 40x16 "	1 "	"	52 "		"	6.00

PRICE TICKET EVERY ARTICLE

Price Tickets are the least expensive and most effective form of advertising. They turn shoppers into buyers.

RUBBER TIRED STEEL DISC WHEELS—Ball-bearing, self contained cone, 10 in. red enameled steel disc wheels reinforced black enameled hubs, ¾ in. rubber tires.

F130—	Body 32x16 in.	1 in carton, 40 lbs				Each,	$5.75
F131—	" 36x16 "	1 "	"	52 "		"	6.40
F132	" 40x16 "	1 "	"	54 "		"	7.00

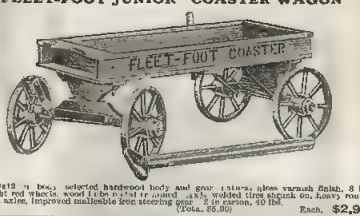
EXTRA 10 IN. WHEELS FOR "FLEET-FOOT" COASTER WAGONS

F54—Plain bearing, wood spoke wheels. Each, 55c

F55—Ball-bearing, wood spoke wheels. Each, 75c

F56—Ball-bearing, steel tire disc wheels. Each, 75c

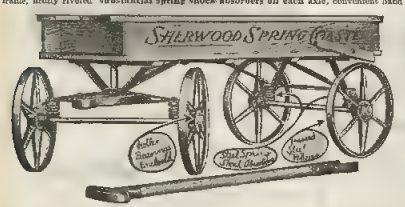
"FLEET-FOOT JUNIOR" COASTER WAGON

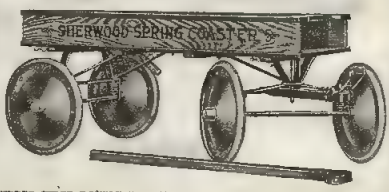


F82. 28x13 in. box; selected hardwood body and gear, natural gloss varnish finish, 8 in. bright red wheels, wood tires set on round axles, welded tires shrunk on, heavy round steel axles, improved malleable iron steering gear, 2 in carton, 40 lbs. (Total, 66.80) Each, $2.95

"SHERWOOD" SPRING COASTER WAGONS

Well seasoned, varnished white ash bodies, 2 piece split proof reinforced bottoms, red trimmed frame, firmly riveted, substantial spring shock absorbers on each axle, convenient hand brake. Thumb screws remove sides and ends to form platform wagon, strong pressed steel





STEEL SPOKE WHEELS—Red enameled, riveted all steel "V" spoke wheels, self contained roller bearings in each hub, steel tires.

		Body	Wheels						
			8 in.	1 in carton	30 lbs				
F97	—(Mfrs. A82)	32x14 in.	10 "	1 "	"	34 "		Each,	$5.39
F98	—(" A84).	34x14 "	10 "	1 "	"	34 "		"	5.77
F99	—(" A88)	38x16 "	10 "	1 "	"	38 "		"	6.53
F100	—(" A10)	40x18 "	10 "	1 "	"	43 "		"	7.53

RUBBER TIRED DOUBLE DISC STEEL WHEELS—Red enameled, double disc steel wheels, friction proof self contained roller bearings, ¾ in. rubber tires, nickel plated hub caps.

		Body	Wheels	Tires					
				¾ in.	1 in carton,	30 lbs			
F91	—(Mfrs. C82).	32x14 in.	10 "	¾ "	1 "	"	35 "	Each,	$6.37
F92	—(" C84).	34x14 "	10 "	¾ "	1 "	"	35 "	"	6.93
F93	—(" C88).	38x16 "	10 "	¾ "	1 "	"	39 "	"	7.69
F94	—(" C40).	40x18 "	10 "	¾ "	1 "	"	44 "	"	8.64

SCHOFIELD PIANOS AND PLAYER PIANOS

Schofield pianos and player pianos are manufactured by one of the oldest, largest and best known piano manufacturers in America. These pianos are noted for their unusual beauty of tone, their artistic design and their handsome finish. Under the name of the manufacturer our customers would have to pay from $100. to $250 more for the identical piano than the prices named below. BUY ONE FOR A SAMPLE AND TAKE ORDERS—SEE DATING AND TERMS BELOW

Cases cross banded and double veneered inside and out. Empire Grand top on Upright pianos, metal bronzed plates, bushed nickel plated tuning pins, genuine ivory keys, double repeating piano action, highly finished action rails and action brackets, copper-wound bass strings, latest improved metal pedal trap work. The Schofield player pianos pump very easily, automatic tracker makes the music roll track correctly, transposing device enables you to play any music roll in five different keys and all players have latest type bass and treble expression devices and metal tubing

Upright Pianos

Rolling Colonial fallboard with continuous hinge, 7⅛ octave compass, height 4 ft. 7½ in., depth 2 ft. 3½ in., width 5 ft. 2½ in. 1 in crate, approx. 800 lbs.

F8960—Polished mahogany.
F8961— " golden oak.
F8962— " walnut.

Each, **$195.00**

Combination duet bench. Double veneered inside and out seat 20x14½ in., 21 in. high music compartment under seat with combination attachment for use of player piano. 1 in crate

F8970—Polished mahogany top } Each
F8977— " golden oak top } **$10.50**
F8978— " walnut top }

Small Grand Piano

An attractive small grand of beautiful tone and artistic design. This superb instrument harmonizes with almost any setting and has charm and distinction. Well balanced scale, 7⅛ octave compass, length 4 ft. 10 in., width 4 ft. 8 in. 1 in crate, approx. weight 850 lbs

F8974—Polished brown mahogany.

Each, **$475.00**

Piano steel. Brass claw feet, tipped with glass balls adjustable seat 14½ in diam

F8963—Polished mahogany
F8964— " walnut
F8981— " golden oak

Each **$4.25**

Player Pianos

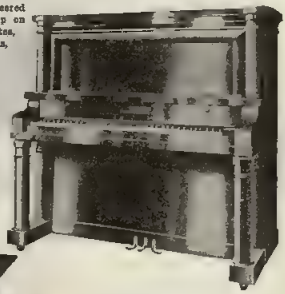
Rolling Colonial fallboard with continuous hinge, 88 note compass, height 4 ft. 7½ in., depth 2 ft. 3½ in., width 5 ft. 2½ in. 1 in crate, approx 900 lbs.

F8967—Polished mahogany.
F8968— " golden oak.
F8969— " walnut.

Each **$325.00**

Combination duet bench. Double veneered inside and out seat 30x14½ in. 21 in high music compartment under seat with adjustable attachment for use of player piano. 1 in crate

F8976—Polished mahogany top } Each
F8977— " golden oak top } **$10.50**
F8978 walnut top }



Upright Pianos

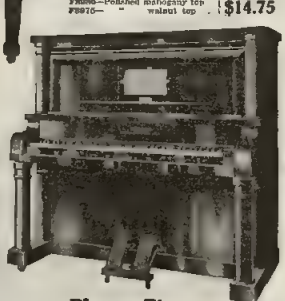
Round Boston roll fallboard with continuous hinge, 7⅛ octave compass, height 4 ft. 8½ in., depth 2 ft. 4½ in., width 5 ft. 3 in. Full size swing music rest. 1 in crate, approx. 835 lbs.

F8964—Polished mahogany.
F8965— " walnut.

Each, **$295.00**

Combination duet bench. Top fancy figured double veneered inside and out hardwood base seat 20x14½ in 21 in high music compartment under seat with combination attachment for use of player piano. 1 in crate

Each
F8966—Polished mahogany top } **$14.75**
F8975— " walnut top }



Player Pianos

Round Boston roll fallboard with continuous hinge, 88 note compass, height 4 ft. 8½ in., depth 2 ft. 4½ in., width 5 ft. 3 in. 1 in crate, approx 935 lbs

F8971—Polished mahogany.
F8972— " walnut.

Each, **$385.00**

Combination duet bench. Top fancy figured double veneered inside and out hardwood base seat 30x14½ in 21 in high music compartment under seat with combination attachment for use of player piano. 1 in crate

Each
F8960—Polished mahogany top } **$14.75**
F8975— walnut top }

PIANO TERMS

Invoice to date as May 1, 1923 2% discount if paid on or before May 10, 1% discount if paid on or before May 30.

SCHOFIELD pianos and player pianos guaranteed for 10 years.

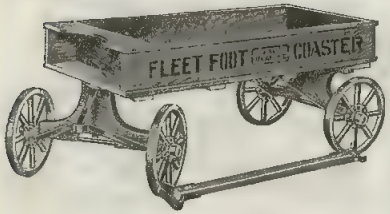
COASTER WAGONS

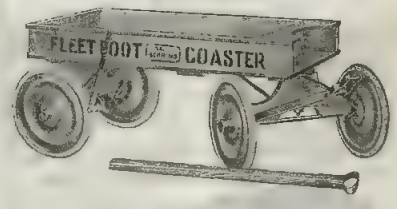
Bright paint and sturdy construction make these wagons the first choice of boys and girls who see them — that's one reason why we are the biggest jobber of wheel goods in America. Another reason is our ability to name prices like these.

FAMOUS "FLEET-FOOT" COASTER WAGONS

Distributed Exclusively by Butler Brothers

Selected hardwood removable bodies, well varnished, natural finish, red trimmed, wing nuts, strong cleats across bottom of bed, heavy braces and "V" front bound, axles fastened securely by eye bolts to heavy 1 pc. bolster, pressed steel fifth wheel, direct bolster braces, strong King bolt, metal brake, steel "D" grip on wood handle.





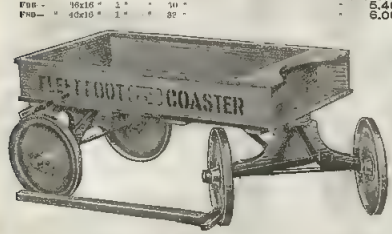
WOOD SPOKE WHEELS—10 in. red enameled wood wheels, heavy steel tires welded and shrunk on

PLAIN BEARINGS—Malleable iron hubs.

F84—	Body 29x16 in.	1 in carton, 40 lbs		Each,	$4.50

BALL BEARINGS—Self contained cones reinforced iron hubs

F93	Body 32x16 in.	1 in carton, 38 lbs		Each,	$4.75
F98 —	" 36x16 "	1 " "	50 "	"	5.40
F99—	" 40x16 "	1 " "	82 "	"	6.00



STEEL DISC WHEELS—Ball-bearing, self contained cones, 10 in. red enameled steel disc wheels, reinforced black unannealed hubs, ⅝ in. steel tires.

F120—	Body 32x16 in.	1 in carton	29 lbs	Each	$4.75
F123	" 36x16 "	1 "	50 "	"	5.40
F124—	" 40x16 "	1 "	82 "	"	6.00

RUBBER TIRED STEEL DISC WHEELS—Ball-bearing, self contained cones, 10 in. red enameled steel disc wheels, reinforced black unannealed hubs, ⅝ in. rubber tires.

F146—	Body 32x16 in.	1 in carton	30 lbs	Each,	$5.75
F151	" 36x16 "	1 "	52 "	"	6.40
F152	" 40x16 "	1 "	84 "	"	7.00

EXTRA 10 IN. WHEELS FOR "FLEET-FOOT" COASTER WAGONS

F54 — Plain bearing wood spokes. Each 55c

F55 — Ball bearing wood spokes. Each 75c

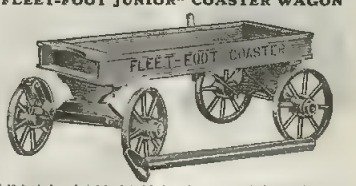
F50 — Ball bearing steel tire disc wheel Each 75c

F50 Ball bearing rubber tire, steel disc. Each, 90c

PRICE TICKET EVERY ARTICLE

Price Tickets are the least expensive and most effective form of advertising. They turn shoppers into buyers.

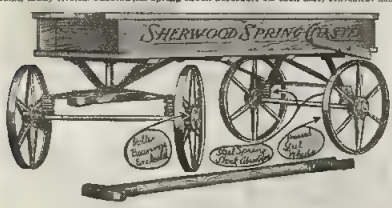
"FLEET-FOOT JUNIOR" COASTER WAGON



F82—32x13 in. body, selected hardwood body and gear, natural gloss varnish finish 8 in. bright red wheels, wood hubs metal trimmed, 1¼ in. welded tires shrunk on, heavy round steel axles, improved malleable iron steering gear, 2 in carton, 40 lbs. Each $2.95
Total $5.90.

"SHERWOOD" SPRING COASTER WAGONS

Well seasoned, varnished white ash bodies, 8 piece split proof reinforced bottoms, red trimmed frame, firmly riveted, substantial spring shock absorbers on each axle, convenient hand brake. Thumb screws remove sides and ends to form platform wagon, strong pressed steel



STEEL SPOKE WHEELS—Red enameled riveted all steel "V" spoke wheels, self contained roller bearings in each hub steel tires

		Body	Wheels				
		8 in.	8 in.	1 in carton, 30 lbs			
F97	—(Mfrs. A32)	32x13 in.	30 "	1 "	"	Each,	$5.39
F98	—(" A34)	34x14 "	30 "	1 "	"	"	5.77
F99	—(" A38)	38x16 "	30 "	1 "	"	"	6.53
F100	—(" A40)	40x16 "	30 "	1 "	"	"	7.53

RUBBER TIRED DOUBLE DISC STEEL WHEELS—Red enameled, double disc steel wheels, friction proof self contained roller bearings, ¾ in. rubber tires, nickel plated hub caps

		Body	Wheels	Tires				
		8 in.	8 in.	⅝ in.	1 in carton, 30 lbs			
F91	—(Mfrs. C32)	32x13 in.	30 "	¾ "	1 "	"	35 "	Each, $6.37
F92	—(" C34)	34x14 "	30 "	¾ "	1 "	"	35 "	" 6.93
F93	—(" C36)	36x16 "	30 "	¾ "	1 "	"	39 "	" 7.69
F94	—(" C40)	40x16 "	30 "	¾ "	1 "	"	44 "	" 8.64

"MARATHON" STEEL WAGONS

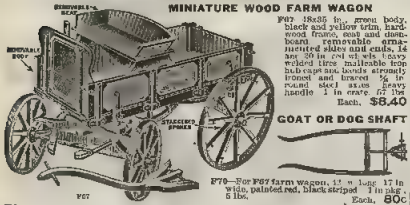
Banded sheet steel bodies, securely riveted joints, grooved bottom boards, with wooden cleats, extra heavy indestructible fifth wheel, reinforced front and rear gears, handle step, special one piece front gear with extra tongue brace, 3 rear axle brace rods, hand rubbed natural hardwood tongues with steel pin hand hold, gears and wheels bright black enameled finish, bodies bright red outside, green inside, gold stencil on edge. Packed one complete carrier. F101, F103 and F112), all parts inside, in dust-proof cartons. Each guaranteed.

	Body		Wheels				
F101 (Mdls. 00)	7¼x21½ in.		½	"	"	26 "	
F103—(" 04)	8x18 in.	6 and 9 in.	½	"	"	26 "	
F105—(" 02)	11x28 "	8 " 10 "	¾	"	"	30 "	
F107—(" 1)	13x28 "	10 " 18 "	¾	"	"	28 "	
F109—(" 5)	15x30 "	12 " 18 "	¾	"	"	35 "	
F110—(" 50)	16x32 "	12 " 16 "	¾	"	"	42 "	

	Doz.	Dz. lbs.	$
F101 (Mdls. 00)	½ dz. in pkg., 24 lbs.	Doz.	7.86
F103—(" 04)	½ " " 26 "	"	11.25
F105—(" 02)	½ " " 30 "	"	13.90
F107—(" 1)	½ " " 28 "	"	20.50
F109—(" 5)	½ " " 35 "	"	25.00
F110—(" 50)	½ " " 42 "	"	28.00

F112—6 size assortment, including one each of F101, 103, 105, 107, 109, 110 ranging in size from 7¼ to 12½ to 10x32 in. bodies. Asstd 6 in crate. Asstd (6 wagons) $8.95

MINIATURE WOOD FARM WAGON

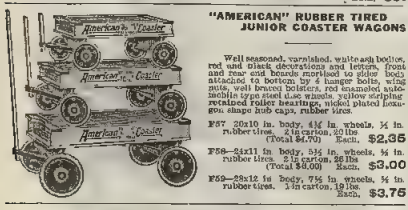


F97 18x36 in. body, green body, black and yellow trim, hardwood frame, seat and dashboard, removable ornamented sides and ends, 14 in. 20 in. red steel wheels, heavy welded tires, malleable iron ball-carpet, bands strongly ironed and braced, ⅝ in. round steel axles, heavy handle 1 in crate, 60 lbs. Each, $6.40

GOAT OR DOG SHAFT

F70—For F97 farm wagon, 17 in. long, 17 in. wide, painted red, black striped. 1 in pkg., 5 lbs. Each, 60c

"AMERICAN" RUBBER TIRED JUNIOR COASTER WAGONS



Well seasoned, varnished, white ash bodies, red and black decorations and trimmings, front and rear end boards mortised to sides, body attached to bottom by 4 hanger bolts, wing nuts, well braced bolsters, red enameled automobile type steel disc wheels, yellow striping, retained roller bearings, nickel plated hexagon shape hub caps, rubber tires.

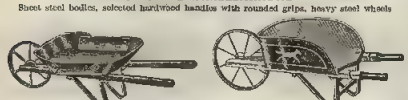
F87 20x10 in. body, 4½ in. wheels, ¾ in. rubber tires, 2 in carton, 20 lbs. (Total $4.70) Each, $2.35

F88—24x11 in. body, 5½ in. wheels, ¾ in. rubber tires, 2 in carton, 26 lbs. (Total $6.00) Each, $3.00

F92—28x12 in. body, 7½ in. wheels, ¾ in. rubber tires, 1 in carton, 19 lbs. Each, $3.75

TOY STEEL WHEELBARROWS

Sheet steel bodies, selected hardwood handles with rounded grips, heavy steel wheels



F17 Dump barrow, 24 in. long, 9x15x8¾ in. red body, 6 in single spoke wheel. ½ doz. in crate, 15 lbs. Doz., $5.50

F21—Garden barrow, 29¾ in long 9x15 in red body striped and varnished, 8 in double spoke wheel, black tipped handles. ½ doz. in crate, 20 lbs. Doz, $8.95

"OVERLAND" SCOOTERS

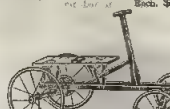
Green enameled, 29x32 in. over all, platform 4¾x16 in., steel frame, red enameled wood cross handle, natural varnished hardwood platform, 8 in. double spoke wheels. 2 in carton, 15 lbs.

F234—¾ in. rubber tires Each, $1.60
F232—¾ " " " " 2.10

F223—Length 40 in., ht. 32 in., Rubb base steel frame, 13x3 in. natural varnished hardwood platform 10 in. light orange wheels, barrel hubs with ball-bearings, ¾ in. rubber tires, black enameled wood cross handle. 2 in crate, 30 lbs. Each, $3.50
(Total $7.00)

HAND CARS

F199—"Junior," 27 in. long, 7x14 in. gold bronze decorated seat, 6 and 10 in red wheels, ¾ in. rubber tires, black enameled steel frame and gear, heavy axles. 1 in crate, 25 lbs. Each, $3.35



F200—"Prassler," 31 in. long, 7¾x16 in red seat, 8 and 12 in. red wheels, ¾ in. rubber tires, black enameled steel frame and gear, gold bronze decorations, heavy axles and cog drive, nickel plated hub caps. 1 in crate, 30 lbs. Each $4.25

"OVERLAND" COASTER

Red enameled hardwood seat and handle bars, steel fork steering gear and wheel supporters, green enameled double spoke steel wire wheels, rubber tires.

F212—Baby coaster, 20 in. long, 16½ in high, 8½ in. high to seat, 7 x13½ in seat, 6 in. wheels, 8 spokes, ½ in rubber tires. 2 in carton 10 lbs. Each $1.60
(Total $3.20)

F213—24 in. long, 21 in. high, 11 in high to seat, 9½x20 in. seat, 8 in. wheels, 12 spokes, ¾ in. rubber tires, 2 in carton, 20 lbs. Each, $2.10
(Total $4.20)

GENUINE "KIDDIE-KARS"

Clear yellow pine throughout, well varnished "T" steering handle with fron, wheel nut fastener with screws, shaped seat for pedaling or coasting.

Red Stained Wood Wheels—Natural varnished top and frame.

F3784—(Mdls. No. 1). 16 in. long, 7 in. high to seat, 4¼ in. wheels, ½ dos. k. d and wrapped, 5 lbs. Doz. $12.00

F3785—(Mfrs. No. 2). 17 in. long, 8¼ in. high to seat, 4½ in. wheels, ½ doz. k. d. and wrapped, 6½ lbs. Doz. $16.00

F3766—(Mfrs. No. 3). 18 in. long, 10 in. high to seat, 5¼ in. wheels, ½ doz. k. d. and wrapped, 7½ lbs. Doz. $20.00

F3767—(Mfrs. No. 4) 20 in. long, 11½ in high to seat, 6 in wheels, ½ doz. k. d and wrapped, 10 lbs. Doz. $22.00

F437—Asstd., comprising ½ doz. each F3784 and F3767 and ½ doz. each F3785 and F3766. Asstd 1 doz. in case, 67 lbs. Asst. $17.67

Rubber Tired Steel Disc Wheel "Special"—Red enameled double disc wheels, roller bearings, baked red enameled seat and old ivory frame and handle.

F3770—(Mfrs. 102). 17 in. long, 8¾ in high to seat, 4½ in. wheels, ¾ in. rubber tires. ½ doz. k. d. and wrapped, 8½ lbs. Doz. $24.00

F3771 (Mfrs. 103). 18 in. long, 10 in high to seat, 5¼ in wheels, ¾ in. rubber tires. ½ doz. k. d. and wrapped, 7 lbs. Doz. $30.00

PUT A PRICE TICKET ON EVERY ITEM

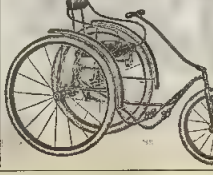
"AMERICAN NATIONAL PEDAL BIKES—Rubber Tired

Red enameled heavy hardwood varnished seats, yellow striped, black enameled steel frame and front fork, substantially braced, red enameled wheels, rubber tires, juvenile bicycle bell, nickel plated hub caps.

F238—Heavy double spoke wheels, 24 in long, 16 in. high, shaped seat 16 in long 7 in wide at rear, heavy one-piece red enameled handle 8 in. wheels, ¾ in. rubber tires. 2 in carton. (Total $4.50) Each, $2.25

F240 Double disc steel wheels, 24 in long, 18 in high shaped seat 16 in long, fine tubing shaped handle bars, wooden leather grips, 7 in. double disc wheels, ¾ in rubber tires. 2 in carton. (Total $7.50) Each, $3.75

CLIPPER BALL-BEARING TRICYCLE



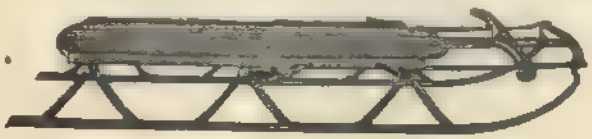
F101 Size 3 to 8 yrs., 12 and 20 in. wheels, maroon enameled frame and wheels, gold tenant striping, ¾ in. rubber tires, ball-bearing throughout, wide heavy mud guards, suspension springs, adjustable seat, padded corduroy upholstered seat and back sides, padded boat steering bar, leather wound grips. 1 in crate, 47 lbs. Each, $12.10

FLEXIBLE FLYER SLEDS

Straight grained second growth ash decorated and finished with three coats of varnish. All steel front. Patented, grooved steel runners permit of easier and more efficient steering on snow or ice, runners are japanned.

Nos. 1, 2, 3, 4

No.	Long	Wide	High	Weight	Each
1	38 in.	12 in.	6 in.	8½ lbs.	$3.75
2	42 in.	13 in.	6½ in.	10 lbs.	4.75
3	47 in.	14 in.	7¼ in.	15½ lbs.	6.00
4	52 in.	14 in.	7⅞ in.	16¾ lbs.	6.50



No. 5

No.	Long	Wide	High	Weight	Each
5	63 in.	16 in.	8 in.	24 lbs.	$8.75

FLEXIBLE FLYER SLEDS

With Foot Rests

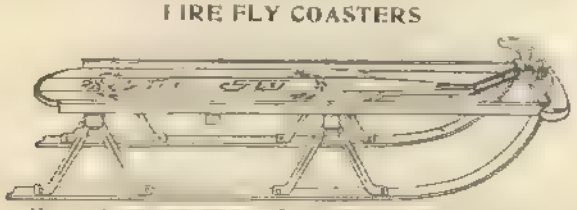
No.	Foot Rests	Dimensions	Weight	Each
4	1 pair	see above	17 lbs.	$7.25
5	2 pairs	see above	25 lbs.	10.25

FLEXIBLE FLYER RACERS

Junior

Name	Long	Wide	Heights Front	Heights Rear	Weight	Each
Junior	49 in.	12 in.	6 in.	5¼ in.	11 lbs.	$5.25
Senior	57 in.	13 in.	7 in.	5½ in.	16¼ lbs.	6.50

FIRE FLY COASTERS



First class material throughout. Inverted U shaped steel runners

No.	Long	Wide	High	Weight	Each
9	32 in.	11 in.	6 in.	6¾ lbs.	$2.00
10	36 in.	12 in.	6 in.	8 lbs.	2.40
11	40 in.	13 in.	6¼ in.	9 lbs.	3.80
12	45 in.	14 in.	6¼ in.	10 lbs.	3.40
Racer	49 in.	12 in.	6 in.	9¾ lbs.	3.50

FLEETWING STEERING SLEDS

Selected materials throughout. Special varnish on wood, red enameled knees and runners

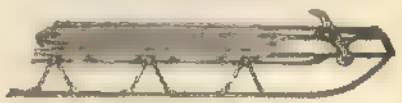
Runners are of the new grooved type.

Nos. 96, 100, 200

No.	Long	Wide	High	Weight	Each
96	32 in.	12½ in.	6 in.	6¾ lbs.	$1.40
100	36 in.	13½ in.	6 in.	7¾ lbs.	1.75
200	40 in.	13½ in.	6 in.	8¼ lbs.	2.07

FLEETWING RACERS

Same general description as for Fleetwing Coasters, except that these Racers have metal front allowing of easier control in steering.



Nos. 210, 220, 230

No.	Long	Wide	High	Weight	Each
210	45 in.	13½ in.	6 in.	12 lbs.	$2.62
220	51 in.	13½ in.	6 in.	13 lbs.	3.10
230	55 in.	13½ in.	6 in.	14¼ lbs.	3.48

NON-STEERING SLED

[illegible] Wood top, varnished Metal runners and knees, enameled red

No. 90

No.	Long	Wide	High	Weight	Each
90	30 in.	12 in.	6 in.	5 lbs.	$1.25

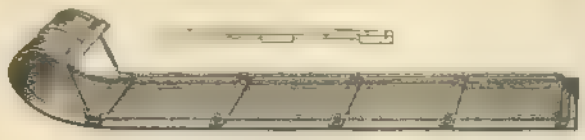
All sleds on this page are packed two in a bundle. The weights given are of one sled.

TOBOGGANS

Oxford

The outside and center slats, of the finest ash and oak, are thicker than the others of birch, which lessens the possibility of skidding. Spar varnish finish. Wood side rails

Length	Packed	Weight	Each
6 feet	1	21½ lbs	$11.25
7 feet	1	25 lbs	13.50
8 feet	1	29 lbs.	15.75
9 feet	1	32½ lbs.	21.00
10 feet	1	36 lbs.	25.00



Strand

Natural finished hardwood, with one coat of shellac on the top. The middle and two outside slats are thicker than the other four, adding to the strength, increasing the speed and lessening the possibility of skidding

Heavy rope rail with leather loops.

Length	Packed	Weight	Each
5 feet	1	12½ lbs.	$7.50
6 feet	1	15¾ lbs.	9.00
7 feet	1	17½ lbs.	10.50
8 feet	1	20 lbs.	12.00
9 feet	1	22½ lbs.	13.50
10 feet	1	25 lbs.	15.00

Little Kid

Slats all the same thickness. ¼ inch rope fastened with leather loops.

Length	Packed	Weight	Each
4 feet	1	5 lbs.	$4.25

TOBOGGAN CUSHIONS

Finely tufted, artificial leather faced. Strings at intervals for tying to toboggans.

Length	Packed	Weight	Each
3 feet	1	4½ lbs.	$3.00
4 feet	1	6 lbs.	4.00
5 feet	1	7½ lbs.	5.00
6 feet	1	9 lbs.	6.00
7 feet	1	10½ lbs.	7.00
8 feet	1	12 lbs.	8.00
9 feet	1	13½ lbs.	9.00

OARS AND PADDLES

OARS

High grade, straight grain, selected stock.

Kind	Lengths
Ash	6 to 9 ft.
Spruce	6 to 8 ft.
Spruce, copper tips	6½ to 8½ ft.

PADDLES

No. 1. Made from selected Spruce.

Blade Widths	Lengths
6 to 7 inches	4½ to 6 ft.

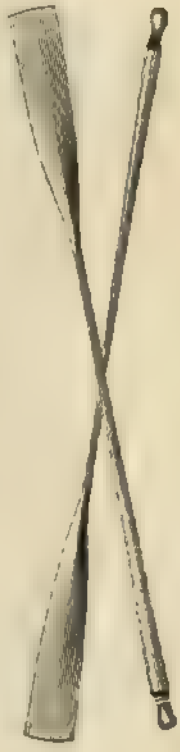
No. 2. Made from Spruce not as carefully selected as No. 1 grade.

Blade Widths	Lengths
6 to 7 inches	4½ to 6 ft.

Double

Spruce with friction joint.

Blade Widths	Lengths
7 inches	9½ ft.



Article	Kind or No.	Wt. Per Ft.	Price
Oars	Ash	½ lb.	$0.35 per foot
Oars	Spruce	⅜ lb.	.40 per foot
Oars	Spruce Cop Tip	⅜ lb.	.45 per foot
Paddle	No. 1	⅜ lb.	2.50 each
Paddle	No. 2	½ lb.	2.00 each
Paddle	Double	⅝ lb.	6.50 each

OAR LOCKS

No. 7

No. 7. North river, galvanized malleable iron, with top plate and pin.

No. 7-58. North river, galvanized malleable iron, with side plate and pin.

No.	Opening	Packed	Wt. Pair	Per Pair
7	2 in.	1 pair	1½ lbs.	$0.50
7-58	2 in.	1 pair	1¼ lbs.	.50

TRAPS

WIRE

MOUSE

No. 305—Midget, mouse, 5 in. diam., 3 in. high, 19 gauge coppered wire, six sheet steel coppered ribs, lacquered with patent rust proof lacquer, w't per doz. 3 lbs., per dozen $2.60

ONE DOZEN IN A PACKAGE

Coppered iron wire, flat steel ribs, lacquered to prevent rust, self-closing trap door.

HIBBARD MOUSE

No. 408—9×5×5 in., w't per doz. 6 lbs., per dozen $9.00

HALF DOZEN IN A BUNDLE

HIBBARD COMBINATION WIRE

Coppered iron wire, flat steel ribs, patent flange, safety door.

These traps are designed to catch and hold both rats and mice. Mesh wires are spaced ½ inch apart, and so locked that they cannot be forced apart. Patent flange around the opening makes it impossible for the rodent to pull down the trap door and escape.

HIBBARD—16×8½×6½ in., No. 18 wire nine flanged steel ribs, w't per doz. 32 lbs.

No. NN416—Full half dozen crate, per dozen $30.00

No. N416—Less than crate, per dozen $30.00

HALF DOZEN IN A CRATE

RAT

No. N315—Coppered iron wire, flat steel ribs, lacquered to prevent rust, self-closing trap door, 15×8½×6½ in., w't per doz. 25 lbs., per dozen $13.00

HALF DOZEN IN A CRATE

HIBBARD RAT

15×8½×6½ in., w't per doz. 25 lbs.

No. N416—Full half dozen crate, per dozen $15.60

WE DO NOT BREAK CRATES

23×13½×7 in., w't per doz. 70 lbs.

No. NN422—Full sixth dozen bundle, per dozen $24.00

No. N 422—Less than bundle, per dozen $24.00

Coppered iron wire, sheet steel ribs self-closing tin trap door with flanged edge

The lace wires are rigidly held in place by the heavy flanged sheet steel ribs and the trap is almost indestructible. There is a patent flange around the opening of the trap door, which prevents a rat from pulling it down after getting inside. Each trap is thoroughly lacquered to prevent rust.

HIBBARD—RAT, 17×9½×7 in., No 17 wire 9 flanged steel ribs, w't per doz. 34 lbs.

No. NN417—Full half dozen crate, per dozen $18.00

HIBBARD—RAT, 19×10½×8 in., No. 16 wire, 11 flanged steel ribs, w't per doz. 41 lbs.

No. NN419—Full half dozen crate, per dozen $22.00

No. N419—Less than crate, per dozen $22.00

HALF DOZEN IN A CRATE

GOPHER

TRIUMPH

The easiest and safest trap to set. Jaws take a high grip, killing quickly. Well constructed, cannot get out of order. Gripper Jaws act independently adjusting themselves to uneven ground.

No. 51—W't per dozen 2 lbs., per dozen $3.00

ONE DOZEN IN A BOX

O. K.

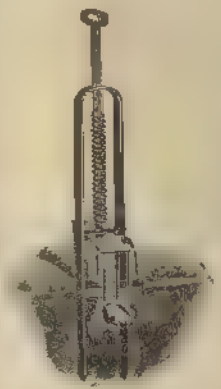
No. 81—6½×4×3 in., hardwood box stained red, flat galvanized trigger round coppered iron sticking bar two strong springs w't per doz 7 lbs. .....per dozen $4.50

ONE GROSS IN A CRATE

NEW HOUSE

No. 84—All steel, length 5 in., 2½ in. opening, w't per doz. 3½ lbs., per dozen $4.35

MOLE



REDDICK, steel frame, height over all 24 in., six sharp steel tines, very strong, heavily tinned to prevent rusting, japanned steel spring, w't per doz. 35 lbs.,

This is a sure, sensitive and effective trap. No mole can pass under this trap and live.

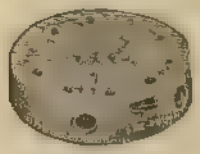
No. R16—Full half dozen crate, per dozen $18 20

No. 16—Less than crate, per dozen $18 20

HALF DOZEN IN A CRATE

MOUSE AND RAT TRAPS

WOOD CHOKER



MOUSE, one piece of wood, stained red, strong coppered steel springs, easily set.

No. 4—4 holes, diameter 4¾ in., w't per doz. 3¼ lbs., per dozen $2.00

OFFICIAL

Hardwood base, double action trigger, heavy spring.

Nos.	65	66
Kind	Mouse	Rat
Size, in.	1¾×3¾	3¾×8×7
W't per doz., lbs.	1¼	7
Per dozen	$0.60	2.50

The trigger is released by either upward or downward pressure. Is used by professional rat catchers.

ONE DOZEN IN A CARTON

E. Z. SET

Constructed on entirely new principles. All metal. Simple, sanitary, durable. Easy to set. To set fill pocket but do not allow bait to come over pocket. Meat, cheese, peanut butter or taffy candy are excellent bait.

No. 124—Size 1⅞×3⅜ in., w't per doz. 1⅛ lbs. .....per dozen $....

TWO DOZEN IN A DISPLAY CARTON

REVONOC

Oil stained dark color, hardwood base, wood trigger.

Nos.	87	88
Kind	Mouse	Rat
Size, in.	2×3¼	3½×7
W't, doz., lbs.	1¼	6½
Per dozen	$0 55	2.00

MOUSE, ONE DOZEN IN A DISPLAY CARTON; RAT, ONE DOZEN IN A BOX; ONE GROSS IN A CASE

CRUSO

CRUSO, hardwood base, tempered coppered steel spring, wood trigger.

Full crate lots.

Nos.	W85	W86
Kind	Mouse	Rat
Size, in.	2×3⅜	7×3½
W't, doz., lbs.	1	5
Crates, doz.	30	6
Per dozen	$0.40	1.80

Less than crate.

Nos.	85	86
Per dozen	$0.40	1.80

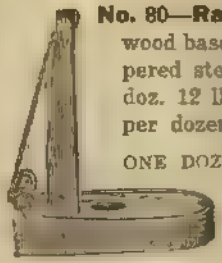
ONE DOZEN IN A BOX

"OUT-O'-SIGHT"

Hardwood base, wood trigger, coppered round striking bar, strong coppered steel spring.

Nos.	35	36
Kind	Mouse	Rat
Size, in.	3⅜×1¾	7×3¼
W't per doz., lbs.	2	7
Per dozen	$1.50	2.50

NO. 35, ONE DOZEN CARTONS IN A CARDBOARD DISPLAY BOX, NO. 36, ONE DOZEN IN A BOX



No. 80—Rat, 6×4×6 in., heavy wood base, very strong coppered steel spring, w't per doz. 12 lbs., per dozen $8.00

ONE DOZEN IN A CRATE

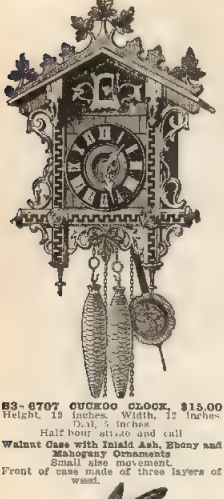
CRUSO TRAPS IN BUSHEL BASKET

No. N154—54 Cruso Rat Traps in wide band stave bushel basket, with display card as above, w't lbs. .....per basket $7.00

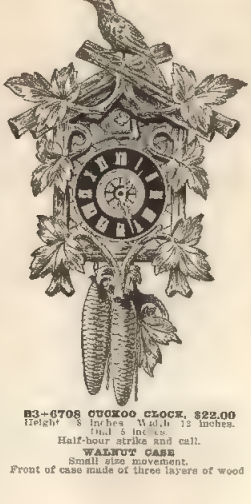
No. N1360 — 360 — Cruso Mouse Traps, packed in wide band stave bushel basket, with display card as above, w't 30 lbs., per basket $10.60

The Famous Black Forest Cuckoo Clocks

Cuckoo Clocks Have Always Been Very Popular and Are Now More So Than Ever

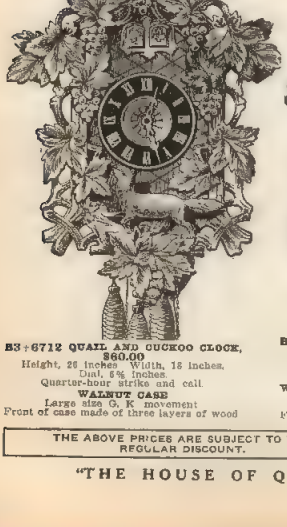


B3-6707 CUCKOO CLOCK, $15.00
Height, 19 inches. Width, 12 inches.
Dial, 5 inches.
Half-hour strike and call
Walnut Case with Inlaid Ash, Ebony and Mahogany Ornaments
Small size movement.
Front of case made of three layers of wood.

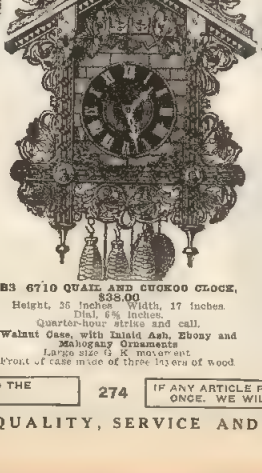


B3-6708 CUCKOO CLOCK, $22.00
Height 8 inches. Width 12 inches.
Dial 5 inches.
Half-hour strike and call.
WALNUT CASE
Small size movement.
Front of case made of three layers of wood

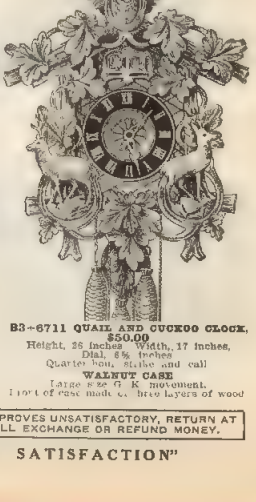
B3-6709 CUCKOO CLOCK, $28.00
Height, 21 inches. Width 15 inches,
Dial, 6½ inches.
Half-hour strike and call.
WALNUT CASE
Large size G. K. movement.
Front of case made of three layers of wood



B3-6712 QUAIL AND CUCKOO CLOCK, $60.00
Height, 26 inches. Width, 18 inches.
Dial, 6½ inches.
Quarter-hour strike and call
WALNUT CASE
Large size G. K. movement
Front of case made of three layers of wood



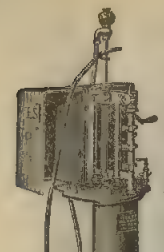
B3 6710 QUAIL AND CUCKOO CLOCK, $38.00
Height, 36 inches. Width, 17 inches.
Dial, 6½ inches.
Quarter-hour strike and call.
Walnut Case, with Inlaid Ash, Ebony and Mahogany Ornaments
Large size G. K. movement
Front of case made of three layers of wood



B3-6711 QUAIL AND CUCKOO CLOCK, $50.00
Height, 26 inches. Width, 17 inches,
Dial, 6½ inches
Quarter-hour strike and call
WALNUT CASE
Large size G. K. movement.
Front of case made of three layers of wood

✣GASOLINE STORAGE OUTFITS

WESTERN ROADWAY FILLING OUTFIT



Cabinet—The Cabinet Encasing Pump is Built of 5/16 inch Iron; the Doors Overlap, Making it Weather Proof; Doors are Fitted with Best Corbin Six-Tumbler Lock; a Small Door at Bottom of Pedestal Gives Access to Drain Cock of Filter Chamber and to Pipe Union

Pump—Is of Our Long Distance Type, Adjusted to Measure gallons, half gallons, quarts or pints at a Stroke, is Built Entirely of Metal with Cylinders, Valves, Plunger Rod and Stuffing Box of Brass; Cut Steel Gears, Balance of Pump is of Heavy Cast and Wrought Iron, Requires but Two and One-Half Turns of the Handle to Discharge a gallon, Giving an Actual Pumping Capacity of 13 gallons per Minute.

Gallon Meter—Keeps an Accurate Check on All Gasoline Drawn up to 9999 gallons, at Which Point it Reverts to 0000. Making it a Continuous Meter, Built with the Precision of a Watch and Finished in Full Nickel.

Gravity Filter—Is Attached Below the Pump Cylinder and Made an Integral Part of the Pump. It Strains the Gasoline from Water and Other Impurities, Which Gravitate to Settling Chamber and Can be Drawn Off Through Drain Cock at Bottom.

Discharge Register—This Device Automatically Tallies Every Gallon Pumped from 0 to 10 gallons and is Reversible from Any Point. It is in Plain View of Both Customer and Operator.

Independent Discharge Nozzles—Pumps is Fitted with Discharge Openings on Either Side, One for Attaching Hose, the Other for Filling Cans, the Cocks Being Entirely Independent of Each Other. The Can-Filling Cock is Attached to Swivel Quadrant so when Not in use is Swung Back and Out of the Way.

Hose and Filling Nozzle—The 1 inch Discharge Pipe Extends 20 inches Above Pump and Terminates in an Automatic Air Vent Valve that Allows the Oil in the Hose to Drain; to this Vent Fitting is Attached 8 feet of Our 1 inch Steel Lined Hose with Brass Filling Nozzle. When Pumping Ceases the Supply is Automatically Shut Off in Valve and the Contents of Hose Drains out Clean. Pipe is Fitted with Fork for holding Nozzle when Hose is Not in Use.

Automatic Door Stop—Holds Door Rigid while Operating Pump.

Removable Pump Handle—Handle Can be Slipped Off and Carried in the Building, Making Pump Fool and Meddler Proof.

Quantity Stops—Are Located in Front on Pump Standard, To Change Measurements, it is but Necessary to Push in the Nickeled Disc Stamped with the Quantity Desired, Give One Stroke of the Handle and the Exact Amount is Obtained.

Finish—Pump and Cabinet are Highly Polished in Vermillion Enamel with Gold Lettering and Nickel Trimmings.

Dimensions of Pump—Height, 54 inches. Height to Top of Discharge Pipe, 75 inches, Height to Top of Light Receptacle, 87½ inches, Width Open, 24 inches; Width, Closed, 17½ inches, Depth, 11 inches; Diameter of Base, 14 inches, Net Weight, 310 lbs.; Shipping Weight, 400 lbs.

Tanks—Are Built in any Capacity of Either 12 or 14 Gauge Galvanized Steel, Riveted and Soldered, Equipped with Double Brass Foot Valves, Double Fill Pipes with Strainers, Lock Cap, Lock and Keys, Measuring Stick to Determine Number of gallons in Tank and Pipe Unions. Tanks are Tested, Labeled and Approved by the National Board of Fire Underwriters.

EXTRA ATTACHMENTS

Electric Lamp—When so Ordered and at an Additional Cost, we can Equip Lamp with Electric Light Attachment as Shown. Entire Cabinet is Wired to Bottom, Ready for Connecting to Local Circuit, All Wires Being Concealed.

OUTFITS WITH 12 GAUGE TANKS

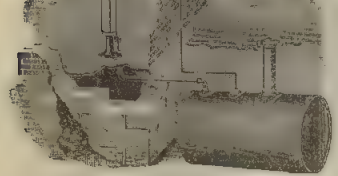
	Barrels	Gallons	Wt. lbs.		Each
No. 4912/2	2	120	670	$332 50	225.00
No. 4912/3	3	170	720	408 00	240.00
No. 4912 4	4	220	790	433 50	255.00
No. 4912/5	5	280	860	459 00	270.00
No. 4912 10	10	550	1210	586 50	345.00
No. 4912/15	15	800	1440	688.50	405.00
No. 4912/20	20	1100	1670	790.50	465.00

OUTFITS WITH 14 GAUGE TANKS

	Barrels	Gallons	Wt. lbs.		Each
No. 4914/2	2	120	610	$363.80	214.00
No. 4914/3	3	170	670	384.20	226.00
No. 4914 4	4	220	730	404.60	238.00
No. 4914/5	5	280	790	425.00	250.00
No. 4914/9	9	500	1030	506 60	298.00
No. 4914/10	10	550	1100	527.00	310.00

PUMPS ONLY

		Each
No. 49—Roadway Pump and Cabinet Fully Equipped with Foot Valves for Tank	$314 50	185.00
Electric Lamp Attachment For No. 49 Pumps	Extra 42.50	25.00



LONG DISTANCE
For Public Garage

Mathematically and Mechanically Perfect; Pump is Built of Best Material Throughout; Measures gallons, half gallons, quarts or pints at a Stroke and has a Capacity of 10 Gallons per Minute, the Discharge Register Automatically Tallies the Number of gallons Pumped; the Automatic Shut Off Cuts Off the Flow Instantly when Pumping Ceases; Locking Device is Concealed and Positive; Tanks Made of Heavy Galvanized Steel; Riveted and Soldered Throughout; Rust and Evaporation Proof.

Shows Pump with Meter, Filter, Hose Draining Valve, Hose and Filling Nozzle. These Extras are Not Included in Price of Outfits.

OUTFITS WITH 12 GAUGE TANKS

	Barrels	Gallons	Wt. lbs.		Each
No. 17512/2	2	120	370	$212.50	125.00
No. 17512 3	3	170	440	238 00	140.00
No. 17512/4	4	220	510	263.50	155.00
No. 17512 5	5	280	580	289 00	170.00
No. 17512/7	7	390	720	340 00	200.00
No. 17512 9	9	500	860	391 00	230.00
No. 17512/10	10	550	930	416.50	245.00
No. 17512/15	15	800	1150	518 50	305.00
No. 17512/20	20	1100	1400	620.50	365.00

OUTFITS WITH 14 GAUGE TANKS

	Barrels	Gallons	Wt. lbs.		Each
No. 17514/2	2	120	330	$193.80	114.00
No. 17514/3	3	170	390	214 20	126 00
No. 17514/4	4	220	450	234 60	138.00
No. 17514 5	5	280	510	255 00	150 00
No. 17514/7	7	390	630	295 80	174.00
No. 17514/9	9	500	750	336 60	198.00
No. 17514/10	10	550	810	357 00	210 00

PUMPS ONLY

		Each
No. 175 Pumps Complete with Foot Valves for Tank	$144.50	85 00

EXTRA ATTACHMENTS

	Each
10,000 Gallon Meter; Weight, 5 lbs	$42.50 25.00
Gravity Filter	25.50 15.00
Hose Draining Valve	17.00 10.00

All Above Numbers, One in a Crate

Items Marked ✣ Not Carried in Stock; But Are Shipped from St. Louis Factory

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE

✣GASOLINE STORAGE OUTFITS

WESTERN

These Outfits Comply with All the Regulations and Requirements of the Insurance Companies and are Listed and Permitted by the National Board of Fire Underwriters, Thus Assuring the Users of the Minimum Rate of Insurance.

All Outfits Shipped Complete with Locks, with Duplicate Keys; Unions and Measuring Rod to Determine Amount of Oil in Tank; **Pipe for Connecting Tank and Pump is Not Included.**

PERFECTION
For Private Garage

This is Undoubtedly the Best and Most Popular Private Garage Outfit on the Market; Built on the Same Lines as the Long Distance, Except Pump has Lever Handle Instead of the Rotary Movement; Discharges One Quart at a Stroke; Fitted with Locking Device and Automatic Shut Off Cock; Tanks Made of Heavy Galvanized Steel, Riveted and Soldered Throughout and are Rust and Evaporation Proof.

OUTFITS WITH 14 GAUGE TANKS

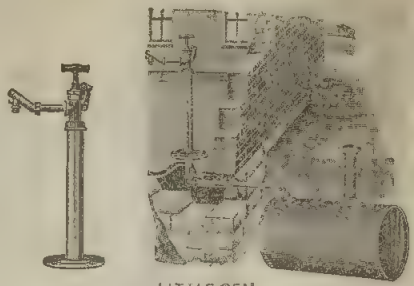
	Barrels	Gallons	Wt. lbs.		Each
No. 4714/1.....	1	65	225	$88 40	52.00
No. 4714/2.....	2	120	285	108 80	64.00
No. 4714/3.....	3	170	345	129.20	76.00

OUTFITS WITH 16 GAUGE TANKS

	Barrels	Gallons	Wt. lbs.		Each
No. 4716/1.....	1	65	200	$79 90	47 00
No. 4716/2.....	2	120	240	90 90	57.00
No. 4716/3.....	3	170	280	113 90	67.00

PUMPS ONLY

No. 147—Pump Only Complete with Foot Valve For Tank $59.50 35.00



LITTLE GEM
For Private Garage

Of the Very Best Construction; the Pump has Heavy Brass Cylinder; Safety Automatic Shut Off Cock; Brass Plunger and Valves; Fitted with Locking Device and a Two Keyed Brass Lock; Tank Made of Galvanized Steel, Riveted and Soldered Throughout and are Rust and Evaporation Proof; Especially Adapted for Portable and Small Garages.

OUTFITS WITH 14 GAUGE TANKS

	Barrels	Gallons	Wt. lbs.		Each
No. 3714/1.....	1	65	190	$59.50	35 00
No. 3714/2.....	2	120	250	79.90	47.00
No. 3714/3.....	3	170	310	100 80	59.00

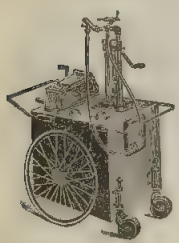
OUTFITS WITH 18 GAUGE TANKS

	Barrels	Gallons	Wt. lbs.		Each
No. 3716/1.....	1	65	165	$51.00	30.00
No. 3716/2.....	2	120	205	68.00	40.00
No. 3716/3.....	3	170	245	85.00	50.00

PUMPS ONLY

No. 37—Pump Only Complete with Foot Valve For Tank $30.60 18.00

PORTABLE GASOLINE OUTFITS



Made of Heavy Steel; All Joints Welded; Capacity 50 gallons; has Lock Filler Cap with Ball Valve Air Vents; Gauge Showing Number of gallons in Tank; Steel Wheels, with 28 Quarter inch Spokes and 1¼ inch Cushion Tires; Wheels Can be Securely Locked with Wheel Brake; Pump Measures gallons, Half gallons, Quarts or Pints at a Stroke; has Discharge Register; Locking Device; Safety Automatic Shut Off Cock; 8 feet of Hose and Filling Nozzle.

	Each
No. 42—With Automatic Register; Weight 425 lbs... $425 00	250 00
No. 042—Without Automatic Register; Weight 400 lbs. 382.50	225.00

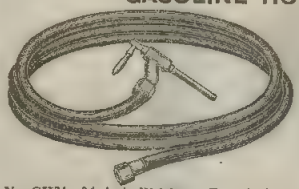
FILLING NOZZLES

Made Entirely of Brass; Leak-Proof, as Top is Enclosed; Requires but a Three Quarter Turn to Open or Close. A 6 inch Removable Extension at Bottom is Fitted with Fine Brass Cone Shaped Removable Strainer.

		Each
No. FN¾—For ¾ inch Hose; Weight Each, 2¾ lbs.	$10 20	6 00
No. FN1—For 1 inch Hose; Weight Each 3 lbs	8 50	5 00
No. FN1¼—For 1¼ inch Hose; Weight Each, 3½ lbs	10 20	6 00

Loose

GASOLINE HOSE



This is a High Grade Rubber Hose Made Especially for Gasoline, has a Heavy Cotton Duck Inner Tube, Reinforced by Flexible Steel Lining so the Gasoline Never Comes in Contact with the Rubber. Filling Nozzle Permits Filling Direct from Tank to Can.

	Per Foot
No. GH¾—¾ inch; Weight per Foot, ⅓ lb.	$1.80
No. GH1—1 inch; Weight per Foot, ¾ lb.	2.50
No. GH1¼—1¼ inch; Weight per Foot, 1 lb.	3.00

Sold Only in 6, 8, 10, 12, 15, 20 or 25 ft. Lengths
Prices Include Brass Male and Female Couplings Attached

COTTON JACKET

Made Especially for Gasoline, Has a Heavy Woven Cotton Jacket, Rubber Insert, Reinforced by Flexible Steel Linings so the Gasoline Never Comes in Contact with the Rubber.

¾ inch—Complete with Couplings

	Each
No. C8¾—Length 8 ft.	$10.00
No. C10¾—Length 10 ft.	11.00
No. C12¾—Length 12 ft.	12 50
No. C15¾—Length 15 ft.	15 00

1 inch—Complete With Couplings

No. C10-1—Length 10 ft.	14 00
No. C12-1—Length 12 ft.	16 00
No. C15-1—Length 15 ft.	19 00

1¼ inch—Complete With Couplings

No. C10-1¼—Length 10 ft	18 00
No. C12-1¼—Length 12 ft	20 00
No. C15-1¼—Length 15 ft.	25 00

Items Marked ✣ Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory, St. Louis Mo.

RAZORS

GENCO

HENRY XXX

Ground three-quarter concave with high thin bevel. **Imitation gray pearl oval handle, with metal tips.**

No.	Point	Size blade	Wt. per doz.	Per doz.
1350½	Honed	⅞ in.	2 lbs.	$36.00
1350¾	Honed	¾ in.	2 lbs.	36.00
1351½	Round	⅞ in.	2 lbs.	36.00
1351¾	Round	¾ in.	2 lbs.	36.00

One half dozen in a box

IMPERIAL

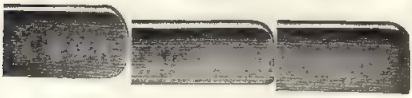
Extra hollow ground. Fully warranted **Oval black rubber handle.**

No.	Point	Blade	Wt. per doz.	Per doz.
249	Round	⅝ in.	2 lbs.	$15.00

One-half dozen in a box.

STYLE OF RAZOR POINTS

ROUND HONED BARBER



CUSHION STROPS

FOR SEXTO BLADE RAZORS

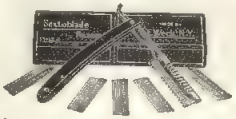
No.	Size	Wt. each	Each
209	10¼x1⅝ in.	4 ozs	$1.00
210	13⅝x1⅝ in.	12 ozs.	1.50

One-half dozen in a box.

SEXTO BLADE

May Be Used as a Plain Razor or as a Safety.

STYLE A



Consists of one white handle razor, six blades and safety guard, in plain box.

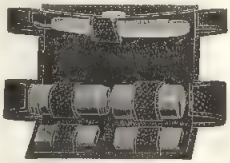
Style	Wt. each	Each
A	3 ozs.	$3.00

STYLE D

Complete with razor, six blades, collapsible shaving brush and soap, in traveling case

Style	Wt. each	Each
D	10 ozs	$6.50

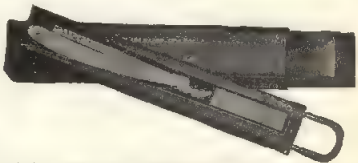
STYLE E



Morocco leather folding traveling case, complete with razor, six blades, collapsible shaving brush, and soap.

Style	Wt. each	Each
E	10 ozs.	$7.50

STYLE H



Traveler's cushion strop with collapsible handle and container for razor and blades

Style	Wt. each	Each
H	10 ozs.	$5.00

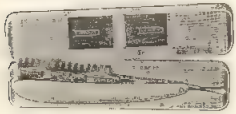
EXTRA BLADES

No.	Blades in package	Wt. per carton	Per package
5	3	⅝ lb.	$0.30
5	5	⅝ lb.	50

One dozen packages in a carton

SAFETY RAZORS

DURHAM DUPLEX



Outfit consits of one Durham Duplex razor with attractive white handle, safety guard and package of three blades. Packed in neat, sanitary, ivory grain-celluloid case.

No.	Wt. each	Per doz.
1	3 ozs.	$12.00

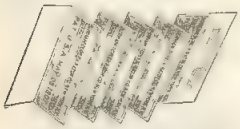
One in a box.

DURHAM DUPLEX SPECIAL DEAL

Contains thirteen (13) packages of No. 50 Durham Duplex blades, with a new No. 1 Durham Duplex razor FREE.

	Wt. deal	Per deal
Durham Duplex Special Deal	12 ozs.	$6.50

One deal complete in a box.

DURHAM DUPLEX BLADES

Made of finest Swedish steel. Each blade is hardened, oil tempered, hollow ground, honed, stropped, and hand inspected. Five blades in a package; 12 packages in a carton.

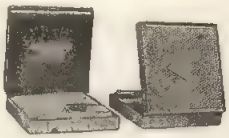
No.	Wt. per carton	Per package
50	½ lb	$0.50

AUTO-STROP

Black leather case. Silver plated, self-stropping razor, 12 blades. Selected leather strop. Fine quality rubber-set shaving brush in silver plated holder. Stick of Colgate shaving soap in silver plated push bottom holder.

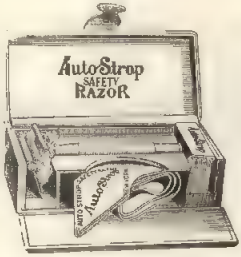
No.	Wt. each	Each
25	1 lb	$8 50

One set in a box.



Highly polished gold plated, flat top case with diamond design embossing, velvet lined, containing one gold plated self stropping razor, package of two blades in a gold plated box and a selected leather strop especially prepared.

No.	Wt. each	Each
551G	8 ozs	$5 00



The only automatic stropping razor. Not necessary to take apart to clean razor or strop blade.

Standard set. Silver plated self-stropping razor. **Black, maroon, red, green and blue leather case,** velvet lined. Specify color wanted.

No. 1—Complete with selected leather strop and 12 blades.

No.	Wt. each	Each
1	8 ozs	$5 00

One set in a box

Geyser

"The World's Most Efficient Washer"

The Geyser Electric Washing Machine With Swinging Power Wringer

Approved by the Good House Keeping Institute

Equipped with a ¼-horsepower Electric Motor, vertically mounted and protected by a cast iron hoo

...ver working operating noises. There only moving parts—a motor and two-blade propeller—work smoothly and quietly with a low, pleasing hum.

NO EXPOSED COGS OR GEARS

Baby may play around an operating "Geyser." There are no exposed moving parts.

ELECTRIC WELDED DIRECTLY GEARED, NO BELT OR CHAIN DRIVE

The unique "Geyser" principle of washing enables the **entire** tank and cylinder space to be used, instead of one-third to one-half of it as in all other machines.

Most Compact Electric Washer and Wringer Ever Built.

The Washer Tank is all metal, and the steel frame is **electrically welded,** assuring rigidity and long life. The **baked enamel** finish gives an exceedingly pleasing appearance and is very durable.

The Perforated Rinse Cylinder and the inside of the galvanized steel tank are both copper plated and then nickel plated as an **exclusive** Geyser feature. This **special plating** is a positive protection against rust and corrosion and assures absolute cleanliness.

The cylinder is very light in weight, but very strong and durable. It is provided with a very convenient handle, so that it may be easily removed. When taking the clothes out, the cylinder can be raised to a higher level, thereby eliminating the necessity of bending way over.

The cost of operation is nominal. It pays for itself in a few months.

The Geyser Electric Washer

Relieves you of the hardest work in your home.

THE RIGHT PRINCIPLE

A **Powerful Circulation** of hot suds is **forced through** the clothes by means of a high-speed **propeller** in the bottom of the tank. The water is also drawn back through the clothes by **suction.** This **double** washing action assures quick, thorough washing. There is **no wear** on the clothes, as they always remain under hot water in a constantly revolving cylinder.

Very Noiseless In Operation—It is As Quiet Running As An Electric Fan.

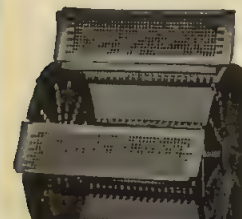
THE ELECTRIC WRINGER

is reversible, has a positive **safety release,** and can be used at same ... washer or independently. ... swinging wringer types, the wringer swings to **three** different positions, making it unnecessary to move washer during entire washing and wringing operation.

The Geyser effectively demonstrates that a highly efficient washer need not be a cumbersome, unwieldy machine.

...e Geyser can be used in the kitchen or bathroom, if desired. It will pass through the smallest door, can be attached to the ordinary electric light socket, and is **as quiet running** as an electric fan.

Guaranteed in every respect. Your money back if not entirely satisfied.



The light weight but very durable all metal cylinder used in the Geyser washer.

The High Speed Propeller under the cylinder which forces hot suds through the clothes, also revolves the cylinder this propeller does not come in contact with the cylinder. It is the force of the water, agitated by the propeller, that revolves the cylinder.

No Exposed Cogs or Gears. All moving parts enclosed in grease tight boxes. While the machine is in operation, a baby can play around the machine with no possible chance of getting hurt.

Try out one of these washers and convince yourself of the wonderful merits this machine possesses and which are not to be found in any washer. One machine will sell another. The reputation of the manufacturer as well as our own stands behind the guarantee under which every one of the washers are sold. If this washer isn't the superior of any on the market, you are not obliged to keep it. This is a wonderful proposition, and a wonderful opportunity. So take a hold of it and reap the harvest.

The "Geyser" principle of washing is entirely different from that used by any other manufacturer. It actually drives hot, soapy water through and through the fabric of the clothes by means of a high-speed propeller placed in the bottom of the tank. The water is also drawn back through the clothes by suction. This double washing action assures quick, thorough washing with no clothes-wear. By utilizing the entire tank and cylinder space instead of only one-third to one-half of it, the "Geyser" effectively demonstrates that a highly efficient electric washer need not be a complicated, bulky machine. For the same capacity it is the most compact electric washer made, as well as the most efficient. Due to its compactness, quietness in operation and absolute safety, the Geyser Washer can be used in the kitchen or bathroom of an apartment, if desired. The 6-sheet size is equivalent to about 50 mixed pieces, and 9-sheet to about 75 pieces.

THE FINISH

These Washers can be furnished either in copper or steel. The steel washers are finished in gray baked enamel. The finish is beautiful and very durable. The inside is copper plated and then nickel plated, giving it a smooth hard finish and is very easily cleaned.

The above is a sectional view of the Geyser Washer, showing the propeller inside in the bottom of the tub.

No. 7/105	Family Size.	Capacity, 6 sheets, steel. Price	$198.70
No. 8/105	Family Size.	Capacity, 6 sheets, copper. Price	230.50
No. 9/105	Large Family Size.	Capacity, 9 sheets, steel. Price	246.50
No. 10/105	Large Family Size.	Capacity, 9 sheets, copper. Price	278.25

Waltham Sewing Machines

The Machine that at all times gives the very best of satisfaction. Guaranteed in every respect by the manufacturer and ourselves. It's the machine that you can sell with the utmost confidence. Here are the most popular, best selling Waltham Sewing Machines we have been able to find. In actual sales they are far ahead of any other style.

The Waltham "Leader" Sewing Machine

GUARANTEED FOR TEN YEARS

Consider the Merits of This Machine, Its Quality and Then Its Price. Your Verdict Will Be: "It Can't Be Beat."

We handle only Sewing Machines of which we are positive that they will give the best service, therefore, a sincere belief that a cheaper machine is inferior in workmanship and quality and is therefore mutually beneficial to let alone.

HEAD—Three-quarter size. Has more convenience, time and labor saving improvements than any other Machine of like grade on the market. Working parts are made of fine quality hardened steel.

WOOD WORK—Substantial and attractive are the two words that best describe this case of this great little Machine. Has four large supply drawers and a handy center drawer. 18 inch tape measure on front of table.

STAND—Ribbon pattern—Not a Dust Collector. Finished in glossy black enamel same as head. Is rigidly braced and secured. This stand is equipped with a patented Belt Replacer, which automatically belts Machine ready for sewing, when head is raised. This is one of the greatest time saving improvements yet put on a Sewing Machine.

ATTACHMENTS—The Attachments are exceptionally good for a machine of this grade. Most machines of this price do not have nickel plated attachments. A complete set of this well known Griest Make in a Velvet-lined Box, furnished FREE with this Machine. They consist of the following: 1 Tucker, 1 Ruffler, 4 Hemmers (different widths), 1 Foot Hemmer, 1 Binder, 1 Braider, 1 Feller, 1 Quilter, 1 Shirring Slide and 1 Gauge.

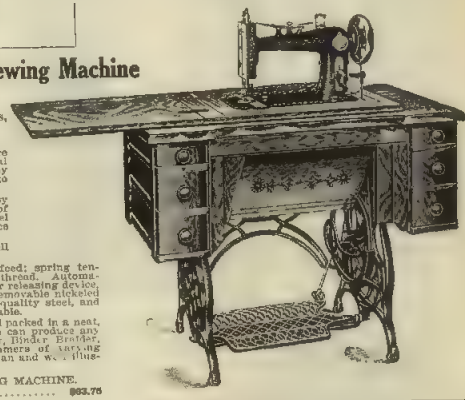
ACCESSORIES—Furnished without extra charge, consisting of 1 Oil Can filled, ½ dozen assorted Needles, 1 large Screw Driver, 1 Shuttle Screw Driver and 4 Bobbins. Simple Instruction book in English, German, French, Spanish or Scandinavian goes with this Machine.

No. 3473/668 WALTHAM "LEADER." List price . . . $51.00

The Waltham "Special" Ball Bearing Sewing Machine

FULLY WARRANTED FOR TEN YEARS

Beautiful Cabinet of Solid Oak, With 6 Full-Size Drawers, Finely Finished, Perfectly Constructed, Easy Running



CASE is a novel design constructed of oak, finely finished. There are six full length side drawers with wood pulls and an ornamental drop front, which is raised to give knee room for the operator by the automatic lifting device, which also raises the sewing head to position.

STAND—Ball bearing and attractive in design, strong and easy running in operation. The stand wheel revolves on two sets of hardened steel balls operating in micrometer ground hardened steel cones. It is quiet, smooth and fast, and is fitted with a device which prevents the machine from becoming unbelted.

SEWING HEAD forms the reliable time-tested lock stitch, full size arm, clear working space underneath, 8¾x3½ inches.

FEATURES—Positive double width, steel forge, four-motion feed; spring tension on top of arm with handy device for releasing pressure on thread. Automatic bobbin winder, gear releasing device, thread take-up, self-threading shuttle, self-setting needle, perfected take-up and removable nickeled steel face plate. All working parts throughout are made of first quality steel, and are so built hardened in oil so they are practically non-wear-out-able.

The steel foot attachments furnished without extra charge and packed in a neat, velvet lined box are complete in every detail, and with them one can produce any and all kinds of fancy work. A full set consists of Tucker, Binder, Braider, Hemmer Foot, Feller, Quilter Cloth Guide and Screw, four Hemmers of varying widths, six Needles, four Bobbins, two Screw Drivers, Oil Can and Wax. Illustrated Books of Instruction.

No. 3472/668 WALTHAM "SPECIAL" BALL-BEARING SEWING MACHINE.
List price $63.75

The New Waltham Rotary Electric Sewing Machine

Equipped With a Universal Electric Motor for Direct or Alternating Current. Its Cost of Operation Is Insignificant.

A High-Class Machine—The Improved Waltham Rotary Sewing Machine is too well and favorably known to require an extended description. It has many desirable and exclusive features, including, The Automatic Tension that regulates itself to all classes of goods, the double Spool Pins, the double width Rocker Head, the Automatic Stitch Regulator, the advantages of oiling all parts from above and the entire and absolute freedom from clogging of thread, which is a serious defect common to all other rotary machines.

The bent cover is built of choice quarter-sawed veneer oak with lustre polished finish and is supplied with a substantial nickel plated metal hinge. The cover is securely attached to base by clinges and plate lock and key.

Complete Nickel-Plated Attachments—The complete nickel-plated steel attachments of highest quality are supplied free of charge.

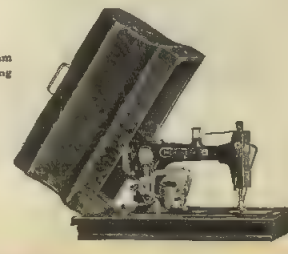
The simple, compact and extremely efficient Electric Motor is securely attached to the arm of the sewing machine in a convenient position. It is out of the way of the operator and when the machine is in use the motor is swung underneath the arm and is entirely enclosed in the quarter-sawed oak cover. The motor is equipped with insulated cord and plug, which fits any electric lamp socket, and may be instantly attached.

The foot control (or pedal) and rheostat are connected to motor by an insulated cord and are placed on floor in a convenient position. By pressing on the pedal the electric current is applied, the motor is set in motion and it in turn operates the machine by contact with the hand wheel. The Rheostat controls the speed—pressing the foot hard on the pedal produces a high speed, while low speed is attained by a light pressure.

No. 3472/668 Waltham Rotary Electric Sewing Machine.

Price complete

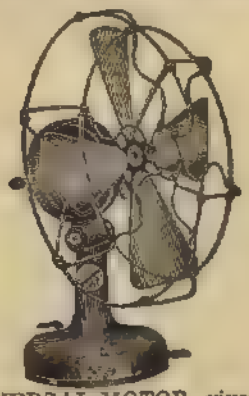
$91.50



DESK AND BRACKET FANS

Prices on Application

"K & D" DESK AND BRACKET



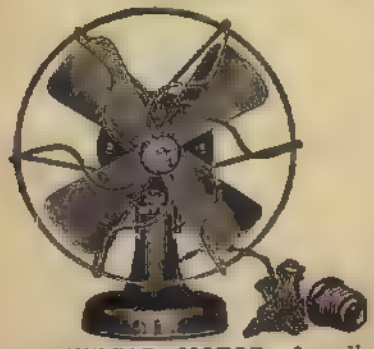
UNIVERSAL MOTOR, gives a very strong breeze, adjustable to any position on desk or wall.

8 inch diameter, three speeds, phosphor bronze motor bearings, enameled base and standard nickel guard and blades, complete with 6-foot cord and plug, w't each 5 lbs.

No. E400E—For direct **current** 110 **volt or alternating** current 110 volts, 60 cycle.....each $14.70

ONE IN A CARTON

"POLAR CUB," DESK AND BRACKET



UNIVERSAL MOTOR, for direct current 110 volt or alternating current 110 volt, 60 cycle, one speed, no switch, die cast frame, spot welded guard, adjustable to any angle, motor black enameled, mica filled commutator rustproof, brass blades, base finished in rich velvet black, equipped with 8 ft. cord and plug.

Made only for 110 volt circuit.

No. 450E—Model "D", 6 in. diam., 8 in. to top of guard, 6 in. to top of motor, w't each 3 lbs., each $7.50

ONE IN A CARTON
ONE DOZEN IN A CASE

No. 460E—Model "9," 9 in. diam., 10½ in. to top of guard, 7½ in. to top of motor, w't each 5 lbs., each $12.50

ONE IN A CARTON; SIX IN A CASE

Finish—The brass blades are highly polished and lacquered. Base and other parts baked on black enamel.

Construction—Cast enclosing shells and base, can be adjusted to any angle desired, either for a bracket or desk fan. The construction is simple and the field of service large. Large air velocity with minimum current consumption.

Speeds—Has four point switch for three speeds, namely, slow, medium and fast, ranging from 900 to 1500 revolutions per minute.

Equipment——8 ft. cord and attachment plug included.

"PEERLESS," DESK AND BRACKET

OSCILLATING.

PEERLESS oscillating fans can be used either as a desk or bracket fan without the use of an adaptor.

They are designed to move from side to side through a desired angle, thus distributing the air over a larger area than with a stationary fan.

DIRECT CURRENT

110 Volt.

No. E1212E—12 in. diam., 3 speeds, 960, 1460 and 1860, w't boxed 40 lbs., each $46.40

No. E1216E—16 in. diam., 3 speeds, 800, 1100 and 1400, w't boxed 60 lbs., each $54.40

ALTERNATING CURRENT

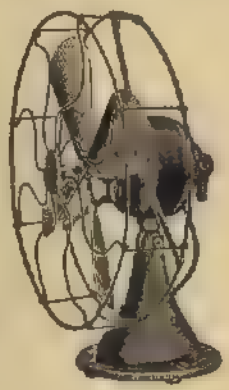
110 Volt, 60 Cycle.

No. E4112E—12 in. diam., 3 speeds, 900, 1400 and 1600, w't boxed 40 lbs., each $46.40

No. E4116E—16 in. diam., 3 speeds, 900, 1375 and 1550, w't boxed 50 lbs., each $54.40

"PEERLESS," DESK AND BRACKET

SWIVEL AND TRUNNION TYPE.



DIRECT CURRENT

110 Volt.

No. E112E—12 in. diam., 3 speeds 900, 1400 and 1800, w't boxed 27 lbs., each $36.80

No. E116E—16 in. diam., 3 speeds, 850, 1150 and 1500, w't boxed 35 lbs., each $41.60

ALTERNATING CURRENT

110 Volts, 60 Cycle.

No. E1112E—12 in. diam., 3 speeds, 900, 1200 and 1600, w't boxed 30 lbs., each $36.80

No. E1116E—16 in. diam., 3 speeds, 900, 1400 and 1550, w't boxed 38 lbs., each $41.60

Prices furnished on application for 25 cycle fans.

Factory Shipments, 220 Volt Fans can be shipped from Warren, Ohio, factory. Prices on application. Voltage desired must be specified in ordering, and if for alternating current, the number of cycles.

RECEPTACLES AND SWITCHES

Switch Plate—4½x2¾, brush brass, single gang, fits all standard flush switches.

1H9314—Lots of 10, Each. 7c

Edison Plug Cut-out—Thumb pot. 6-30 amp. 125 volts, porcelain base.

1H7009 — Double Line, branch. Each. $0.28
Lots of 10 " .24

Slotted Flush Receptacle — brush brass 2½x2¾x1½ receptacle, 4½x2¾ cover plate, fixture standard form 2 of straight 3 blade caps (no parts with screws).

1H9141—1 in box. Each. $0.45
Lots of 10, " .39

Switch Plate—4½x2¾, brush brass, double gang, fits all standard flush switches.

1H7016 1 in pkg. Each $0.18
Lots of 10, " .12

Push Button Flush Switch—2¼x1¾x1¼, shallow type porcelain base, perfect operating on and off movement.

1H9313—Single pole. Each. $0.31
Lots of 10, " .24

Push Button Flush Switch—2½ x 1¾x 1¼, flush low type porcelain base, perfect operating on and off mechanism 1 in box.

1H9343—3 point. Each. $0.39
Lots of 10, " .33

"LEVOLIER" FLUSH PULL SWITCHES

A new type Lever or wall switch, constructed so that no pressure which may lever is pushed puts lights or bells in

1H7576 — (Mfrs. 41). Switch plate for 1H7775 and 1H7574, brushed brass finish, beveled edges, 4¾x2¾, .040 brass Each 16c

Switch Box — 2¼ in. deep, black japanned sheet steel, reversible, clamp ears, holding case for installation in new work.

1H9316 1 in pkg. Each. $0.17
Lots of 10, " .11

Entrance Switch Porcelain base, double pole, single throw, entrance switch and fuse block combined

1H9318—1 in pkg. Each. $0.42
Lots of 10 " .37

1H7573 — (Mfrs. 39). Flush pull switch, single pole with plain leather flap, standard box. Each. 45c

"Edison" Plug Cut-out—Double pole 6-30 amp. 125 volts, porcelain base.

1H7019—Single branch Each. $0.20
Lots of 10, " .16

Screw Plug Flush Receptacle—4 x 2¾, brass, single gang. Knob base.

1H9356—1 in box Each. $0.32
Lots of 10, " .28

1H7574 — (Mfrs. 39). Flush pull switch, single with plain leather Each. 72c

ELECTRICAL SUPPLIES

PUSH BUTTON

1H7814—2¼ in. brass finish steel base, steel spring, black button 1 in pkg. Each. $0.15
Lots of 10, " .10

BELL RINGING TRANSFORMER

1H7646 — 60 cycle, 110 volts, for alternating current, separate primary and secondary coils, carefully installed and encased in different positions on glazed fiber type enameled core, enclosed in asphaltic glazed porcelain case, 2 pts. lbs. 1 unbox. Each, 95c

ELECTRIC LIGHT SHADE HOLDERS

Screw Holder—2¼ in fitter old brass finish For brass shell sockets.

1H7014—Lots of 25. (Total $1.50) Each. 6c

Clamp Holder—2¼ in fitter old brass finish For brass shell sockets.

1H7015—Lots of 25 (Total $1.00) Each 4c

"ANYLITE" REGULATOR

A device designed to obtain any degree of light from any incandescent lamp consuming not more than 40 watts.

1H5117—Brass finish can be equipped with shade holder saves current fully guaranteed 1 in pkg Each $0.84
10 on display card for Each. .77

BUZZER AND BELL

Buzzer—3½ in. iron box.

1H7901—1 in box. Each. $0.55
Lots of 10, " .49

Bell—3½ in. iron box, nickeled gong.

1H7902—1 in box Each. $0.57
Lots of 10, " .50

"RED SEAL" DRY BATTERY

1H7839 — 2 cell, 3 volt, 1 ampere-hr. 50 to 3 ampere current, prevent short circuit, 3 in carton Each. $0.40
50 in pkg .30

"RED SEAL", SPARKER DRY BATTERY

1H7021—(Mfrs. A141). 10¾x2¾x6¾, 4 cells arranged in single row, mounted on 2 hinged binding posts for connection, extra wide webbing handle for carrying, especially designed for ignition work on auto tractor, stationary engine or motor boat 1 in pkg., 12 lbs. . . . . Each. $1.90
Lots of 5 " 1.85

BELL OUTFIT

1H7630 — Iron box bell, 3¾ in. gong, dry cell, 6 in. high, red wire push button of 1 set wire 1 set in pkg Each. $1.30

ROBBINS' & MYERS'

¼ H. P. ELECTRIC MOTOR

1H7910—¼ H P 60 cycle, 110 or 115 volt alternating current motor Phosphor bronze bearings lubricated by grease cups and fitted with a removable screw top 10ft weatherproof cord and separable plug 3 speed to operate washing small pumps, lathes, etc. 1 in box. 58 lbs Each, $17.75

Machines, churns, grinders,

ELECTRIC FANS

You can't be SURE you are buying electric fans at the bottom until you are posted on our prices

"NORTHWIND" ELECTRIC FAN

1H8814 — Oscillating type, 4 blades 110 volt, 10 in., 3 speeds, universal motor, starting switch in base. Full swivel trunnion frame bronze bearings with wick filler, oil wells, complete with 6 ft. cord, 1 in carton Each. $14.34
Lots of 12, Each. $13.88

"STAR" MOTOR ELECTRIC FAN

1H7880—Stationary type, 8 in. diam., 15½ in high 4 blade 3 speeds, for 100 to 120 volts alternating or direct current, nickel plated and polished throughout, heavy cast base with 2 lugs allows upward creeping, grease cups with spring operating felt wipe at each end of sleeve bearing for lubrication, heavy fan guard, thumb screw to adjust to any angle, 6 ft. current wire with 2 piece plug. Guaranteed for 1 year 1 in box, 7 lbs. Retails at $10.00 Each. $7.50
Lots of 6, " 7.00

"R & M" STANDARD DESIGN ELECTRIC FANS

Made by Robbins & Myers

Stationary Type

4 polished brass blades, drawn steel frame, light weight wire base, black japanned, striped in gold, 8 ft. cord and plug 1 in box

110 VOLT, Alternating or Direct Current—

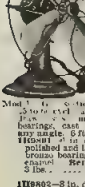
1H4222—9 in Each $14.60
110 VOLT, Alternating Current—
1H8413—12 in. . . . Each. $18.80
1H8414—16 " . . . " 21.60

Oscillating Type

Light weight drawn steel frame, black japanned gold striped, brass blades, mechanism of gear oscillator type with felt pad thrust joint for attaching to wall who fitted base 3 speeds for from tipping 8 ft. cord and plug. 1 in box

32 VOLT, Direct Current—
1H4190—18 in., 4 blades Each. $24.00
110 VOLT, Alternating or Direct Current—
1H4194—9 in., 4 blades, Each $17.60
110 VOLT, Direct Current
1H4403—Both 41 inches Each $28.00
110 VOLT, Alternating Current—
1H4404—12 in., 4 blades Each $24.00
1H3329—12 " 6 " " 24.00
1H3405—16 " 4 " " 28.00

"POLAR CUB" ELECTRIC FANS



Made by Robbins & Myers, for 110 volts, 3 speeds, oscillating alternating or direct current type, ball bearing shell with patented bearings, cast iron base, adjustable to any angle, 6 ft. of cord and plug

1H9307—Diameter of blade 9 inches, each 4 highly polished and lacquered solid brass blades, bronze bearings, finished in baked black enamel Retails at $7.00 1 in box, 4 lbs. . . . . Each. $5.25

Lots of 12, " 5.00

1H9302—8 in. diam. 10 in. high, 4 blades, highly polished and lacquered solid brass blades, bronze bearings, finished in baked black enamel Retails at $7.50 1 in box, 4 lbs. . . . . Each. $5.25

Lots of 12, " 5.00

1H9458—8 in. diam. 10½ in. high, 4 blades, full nickel plated and polished throughout, separate attachment plug Retails at $7.50. 1 in box, 4 lbs. Each. $5.25

Lots of 12, " 5.55

"OUR DRUMMER" TAKES THE RISK OUT OF BUYING

ROBBINS' & MYERS' WOOD BLADE CEILING FANS

50 in 4 blades, 3 speeds plain type black enamel finish 110 volts, with ceiling canopy insulator, hanger and hook without hanger rod, ordinary 3 in standard pipe used for hanger rod 1 in carton

1H4230—For direct current, 100 lbs . . . Each, $40.00
1H4235—For alternating current, 105 lbs. . . . " 41.60

WATER COOLERS

SANITARY OPEN TOP WATER BAGS

Constructed with steel wire holder and sliding clamp which securely fastens the spout and completely seals the open end of the bag.

These bags are made of material having the peculiar property of holding water and yet exuding enough moisture to prevent the sun from having any effect on the water inside.

First and second time filling, water will evaporate quite rapidly, after which bag is in condition to hold water indefinitely.

Guaranteed to keep water cool for forty-eight hours.

REGULAR PATTERN

Nos.	7	8	9	10
Height, in.	10	16	21	23½
Width, in.	12	12	12	15½
Cap., gal.	1	2	3	5
W't, doz., lbs.	9½	13	16½	22
Per dozen	$19.30	25.30	36.00	44.00

EGYPTIAN OPEN TOP WATER BAGS

AUTO SHAPE

Nos.	17	18
Height, in.	10	11½
Width, in.	12	16
Cap., gal.	1	2
W't, doz., lbs.	9½	13
Per dozen	$19.30	25.30

WATER COOLERS

All wood U. C. patented, quarter sawed white oak, finished in beautiful golden oak with galvanized steel hoops.

The construction is double, in fact a barrel within a barrel, with a dead air chamber between all inner and outer walls. Large lever faucet.

Nos.	F901	F902	F903
W't, lbs.	14	20	21
Capacity, gal.	1	2	3
Each	$12.00★	14.40★	16.80★
Nos.	**F905**	**F910**	**F915**
W't, lbs.	35	60	80
Capacity, gal.	5	10	15
Each	$21.60★	33.60★	36.00★
Nos.	**F920**	**F925**	**F930**
W't, lbs.	100	115	125
Capacity, gal.	20	25	30
Each	$43.20★	48.00★	52.80

ONE IN A CASE

Glazed stoneware, sanitary and as easily cleaned as a china plate nickel plated faucet.

Nos.	T702	T703	T704	T705
Capacity, gal.	2	3	4	5
Height, in.	11	12	13½	14½
Diam., base, in.	8	9½	9½	10½
W't, lbs.	19	24	27	30
Each	$4.60	5.30	6.00	6.60

Nos.	T706	T708	T7010	T7012
Cap., gal.	6	8	10	12
Height, in.	15	16	18	20
Diam., base, in.	11½	11½	12½	14
W't, lbs.	36	42	52	64
Each	$7.10	8.60	10.00	11.20

ONE IN A CRATE

WATER

Japanned bodies, assorted colors, galvanized iron lined. Well packed filler. Nickel plated lever faucets.

Nos.	T402	T403	T404
Listed cap, gallons	2	3	4
Height, ins.	18½	20	21½
Diam., base, in.	10¾	11¾	12½
W't each boxed lbs.,	18	20	25
Each	$3.90	4.30	4.90
Nos.	**T406**	**T408**	**T410**
Listed cap, gallons	6	8	10
Height, ins.	25	25½	30¾
Diam., base, in.	15	17½	17½
W't each boxed lbs.	35	45	50
Each	$6.30	9.00	12.00

ONE IN A CASE

Fancy japanned body, assorted colors, Galvanized Iron Reservoirs, nickel plated brass push button faucet, double walls insulated.

Nos.	T202	T203	T204
Capacity, gal.	2	3	4
Height, in.	17½	19½	22
Diam. of base, in.	10¾	11½	12½
W't, lbs.	16	17	22
Each	$4.50	4.90	5.80
Nos.	**T206**	**T208**	**T210**
Capacity, gal.	6	8	10
Height, in.	24½	28	29½
Diam. of base, in.	14½	16	17½
W't, lbs.	25	43	48
Each	$7.00	9.00	12.00

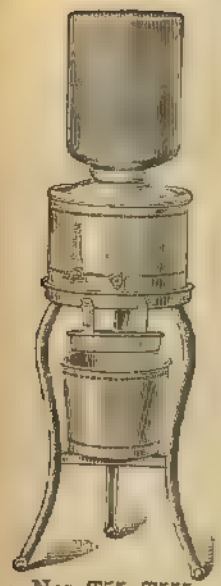
WEIGHTS INCLUDE CRATE
ONE IN A CASE

★ Items Marked Thus ★ Are Shipped From Factory Only.

WATER AND BEVERAGE COOLERS

Prices do not Include Bottle.

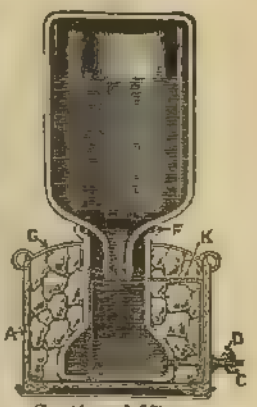
"XXTH CENTURY"



Nos. T55, T555. Fibre.

Nos. T65, T655, T635. Metal.

No. T75. Metal.



Sectional View.

FIBRE BEVERAGE

A—Metal ice container, or body with ice.
B—Cooling jar which holds water.
C—Faucet and stem connecting with cooling jar
D—Waste Water Faucet for melting ice.
E—Demijohn partly filled with water.
F—Rubber gasket supporting demijohn and protecting jar.
G—Removable portion of container cover.

FIBRE

Body or ice container is seamless, made of fibre molded in one piece; absolutely waterproof; and rust proof, and being a non-conducter, is a great ice saver. Cooling jar is a sanitary white crock, carafe shape. Cover of cooler is entirely removable for icing, being in two interchangeable halves. Body rests on tray which serves to catch any moisture collecting on cooler body.

Improved push faucet, self-closing, "C&H" faucet-simple, strong and reliable. ⅜ in. flow, filling an 8 oz. glass in three seconds.

Equipped with stand for office or factory use, steel drip tray enameled, metal bucket for waste water, ice cap. about 15 lbs., height (without bottle) 39 in., triangular space for stand 18 in., each way, shipping w't about 33 lbs.

COOLERS HOLDING 3 OR 5 GAL. BOTTLES

No. T55—Mahogany, ...each $24.00
No. T555—All white, striped .....each $25.50

METAL

1923 model is heavily constructed, and **entirely galvanized,** treated over all with special rust proof preparation, and attractively enameled. Maximum insulation assured thru packing of ground cork between double wall of body.

Feature of this Cooler is fact that body is absolutely **seamless** inside and out, inner and outer shell each being drawn up in **one piece,** eliminating all question of leakage. Cover is entirely removable for icing, being in two interchangeable halves. Cooling jar is a sanitary white crock, carafe shaped. Body rests on tray, which serves to catch any moisture collecting on cooler body.

Improved push faucet, self-closing, "C&H" faucet-simple, strong and reliable. ⅜ in. flow, filling an 8 oz. glass in three seconds.

Equipped with stand for office or factory use; steel drip tray enameled; galvanized bucket for waste water.

Coolers Holding 3 or 5 Gal. Bottles.

Ice cap. about 15 lbs., height (without bottle) 39 in., triangular space for stand 18 in. each way, shipping w't about 36 lbs.

No. T66—Art green, ...each $24.00
No. T655—All white, ...each $25.50

Coolers Holding 1, 2 or 3 Gal. Bottles.

Ice cap. about 8½ lbs., height (without bottle) 38 in., triangular space for stand 17 in. each way, shipping w't about 24 lbs.

No. T635—All white, ...each $24.00

FIBRE BEVERAGE

No. T75—All white, equipped with short legged stand for use on counter or table, height (without bottle) 14½ in., diam. 14½ in., shipping w't about 27 lbs. .....each $22.50

ALL ABOVE, ONE IN A CARTON

PERFECTION

No. T1—Coil cooler, holds five gallon regular bottle, ice capacity 20 lbs. Coil made of pure block tin, finished in white, height 58 in., occupies 21 in. floor space; tub consists of inner and outer walls made of heavy galvanized iron, with insulating space between filled with ground cork; self closing faucet, fast flow type, drip pail to match, packed complete without bottle, w't 55 lbs.,

each $36.40

ONE IN A CASE

COOLER BOTTLES

For Use With Any Standard Bottle Water Cooler Glass.

Full ½ dozen crates,

Nos.	**T2**	**T3**	**T5**
Gallons	2	3	5
W't doz., crated, lbs.	132	150	192
Per dozen	$31.20	32.40	33.60

Less than crate,

Nos.	**T2**	**T3**	**T5**
Per dozen	$31.20	32.40	33.60

QUARTER DOZEN IN A CRATE

The Range Eternal

STANDARD RANGE ETERNAL
with Black Finish. Furnished also with blue or white enamel panels.

There are a lot of people—

Who have been just "getting along" with the old range for the past few years—

Waiting on "conditions"—

Who simply can't make it hang together and function much longer—

Who have got to replace that range one day soon—

To whom you can sell a Range Eternal.

You'll be surprised how much business can be "uncovered" if you stir around.

Engman Matthews Range Co.

Goshen STILL TWO GENERATIONS OF MALLEABLE RANGE BUILDERS **Indiana**

The Globe Anchor Rope Wringers cause all dirt and water to flow outside boat—cleanest, safest method of anchoring perfected.

Write for new complete Globe folder with full details.

GLOBE

Anchoring Equipment for Watercraft

For every Rowboat or Launch

Four Models—Retailing $1.65 to $7.00
(postage extra)

Millions of Boat-owners are Interested

LIBERAL DISCOUNTS AND SALES HELPS TO DEALERS

GLOBE PATTERN & MFG. WORKS

Dept. H-304 JACKSON, MICH., U. S. A.

Prices on Application.

GOLDSMITH BASEMEN'S MITTS

No. 100LK—Professional, Medium Size Model; made of the finest golden brown horseshide obtainable; very soft and pliable, with a deep, ready-broke pocket, which lends itself to instant play; made with the professional model panel back, with an additional guard of sole leather at the top for protection of fingers; has full laced edge, with rawhide lace, and the patented Goldsmith wrist protector; Goldsmith patent finger grips .....each $5.00

No. 148—Very popular with amateurs; best quality olive horseshide throughout, with professional model panel back; double stitched throughout three quarter laced edge and ready-broke ball pocket; built for service, each $6.00

No. 145—Well made of black horseshide; padding is so arranged as to produce a natural ball pocket; three-quarter leather laced edge; Goldsmith patented wrist protector, each $5.00

ABOVE, ONE IN A BOX

No. 101BK—The palm is made of highest grade cowhide; the back and fingers of selected horseshide; special asbestos pad and Goldsmith patented "Hold-Fast" finger grips which insure a firmer grip; fully laced for adjusting padding; Patented wrist protector; a wonderful mitt; correct in design and perfect in material and workmanship, each $7.50

No. 102W—Constructed of the finest grade of selected glove horseshide; professional panel back; finest asbestos felt pad; full laced edge; a glove for fast play, and sure and accurate fielding .....each $5.00

No. 153—A special model representing an unusual value; made of carefully selected horseshide throughout with professional model panel back; the felt pad is arranged to produce a ready formed ball-holding pocket; three-quarter laced; Goldsmith patented wrist protector; a well balanced mitt .....each $2.00

ABOVE, ONE IN A BOX

No. 103CV—"Bull Dog," light in weight; extremely flexible; an especially designed model with a fielder's glove thumb; best quality horseshide; high grade felt pad; three-quarter laced edge, double stitched seams; has the patented wrist protector .....each $8.00

No. 132—A well shaped mitt with cream horseshide palm and fingers; well padded with deep pocket; laced edge for adjusting pad; double stitched .....each $4.00

No. 131—A strong substantial mitt of best quality leather; snug fitting, light weight and correctly padded; three-quarter laced edge, Goldsmith patent finger grips .....each $3.00

No. 123—Full size; strong chrome leather front and fingers; back of best quality duck; full laced edge; leather strap and buckle at the wrist, each $2.00

No. 114—Full size grain leather palm and fingers, khaki back, full laced edge .....each $1.50

ABOVE, ONE IN A BOX

No. 110—Glove for the little shaver. Medium size, leather front and fingers, Khaki back, laced at thumb, ea. $1.00

Prices on Application.

GOLDSMITH MASKS—BODY PROTECTORS—LEG GUARDS

Used by professional major and minor league catchers; the frame is constructed to allow absolute free vision; made from cold drawn, annealed steel wire, dull finished; all joints are electrically welded, imparting great strength.

SPITTER MODEL

No. 273—Open Vision Style, strong, cold drawn, annealed double steel wire, dull finished, electrically welded joints, soft, easy fitting, hair filled, leather cushions and chin piece, elastic web head piece with adjustable buckle and strap, used by major league catchers . .each *$7.50*

No. 271—Removable Sunshade, open vision style, made with cold drawn annealed steel, dull finished, electrically welded joints; the soft, hair-padded cushions absorb all shocks; elastic web head piece, adjustable strap and buckle,
each *$6.00*

No. 267—Heavy, electric welded steel wire dull finished; removable sunshade; soft, hair-filled cushion; made to conform to the face; a strong well-built mask for absolute protection .....each *$5.00*

**No. 266—Open vision style of heavy, cold drawn steel, with welded joints; hair padded, face fitting leather cushions; elastic web head-piece, with adjustable straps,
each *$4.00***

No. 261—A light, yet well constructed youth's mask; strong electric welded black steel frame; laced, leather side pads; adjustable head and forehead pieces .....each *$2.50*

YOUTH'S

No. 257—Made of strong, black enameled wire, with welded joints; leather side and chin pieces; adjustable head-piece; . . . .each *$2.00*

No. 254—Good serviceable electric welded light gauge black enamel wire, well made leather side and chin pads. Adjustable elastic head straps .. ..each *$1.50*

**No. 7—Moulded sole leather knee cap; leg piece of drab buff finished cowhide, padded and stiffened with willow reeds; light in weight,
per pair *$8.50***

**No. 4—Heavy moulded leather knee cap, felt lined; leg piece made of light, but strong reeds, well padded and covered with heavy white canvas
per pair *$7.00***

No. 300—Padded; made of strong khaki cross-stitched and firmly stuffed; designed to come well up over the shoulders and to fit the body perfectly; has adjustable back and shoulder straps; will absorb the hardest blow .....each *$7.00*

No. 200—Youth's model. Made of strong khaki, cross stitched and firmly stuffed. Same pattern throughout as No. 300, Big League model but smaller in design,
each *$6.00*

No. 175—

Padded, heavy canvas, cross-stitched and fitted with heavy cane reeds, backed by best quality felt padding, adjustable back and shoulder straps,
each *$5.00*

UMPIRE PROTECTORS

**No. 400—Padded model of strong khaki, cross stitched and firmly stuffed; will give ample protection,
each *$9.00***

Prices on Application.

GOLDSMITH "PROFESSIONAL MODEL" CATCHERS' MITTS

No. 10 CM—"Chief Meyers" Model; Designed and used by "Chief Meyers," former famous National League catcher; moulded, scoop shape, of selected tan, waterproofed cowhide; stitched with extra heavy waxed linen thread; the pad is of special construction, consisting of layers of absorbent felt on a foundation of flexible cowhide; this pad will absorb the pounding of the fastest pitching; the patented (Oct. 24, 1916) Goldsmith Finger Grips and the patented wrist protector prevent turning and slipping; light in weight and easily handled; full laced edge with rawhide lacing .....each *$15.00*

ONE IN A BOX

No. 11R—Modeled Mitt; made of specially tanned and waterproofed cowhide; hand made asbestos felt pad backed with leather that will not break down; stitched throughout with heavy waxed linen cord; full rawhide laced edge; Goldsmith patented buckle protector; a perfect well balanced mitt correct in design and warranted to give long service .....each *$14.00*

ONE IN A BOX

Rariden
Cincinnati Reds

No. 12EG—"Schang" Model; a light weight but well constructed mitt of selected tough olive cowhide. Made on the popular moulded scoop shape pattern. Goldsmith patented "Finger-Grips;" Especially built pad of the best absorbent felt, which will stand heavy wear. Rawhide thumb lace for adjusting size and depth of pocket; full laced edge with rawhide lacing .....each *$11.00*

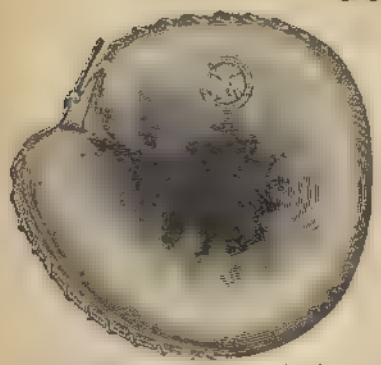
ONE IN A BOX

No. 13WC—"Bill Killifer" Model, stop the fast ones with this high grade professional mitt made of genuine selected cowhide. Thin edge scoop model. Fits the hand snugly and is light in weight. Asbestos felt pad. Goldsmith Patent Finger Grips. Full laced edge. Goldsmith patented wrist protector keeps the glove from turning and prevents chafing of the wrist .....each *$10.00*

ONE IN A BOX

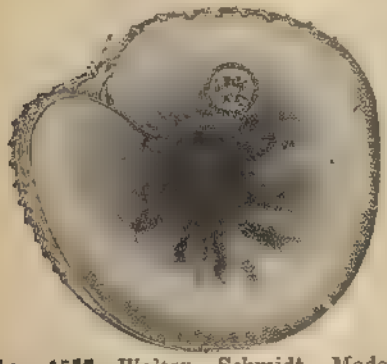
Prices on Application.

GOLDSMITH CATCHERS' MITTS



No. 14A—An exceptionally high grade mitt of selected golden tan cowhide Scoop model. Best quality asbestos felt padded. Linen cord stitched throughout. Goldsmith patented wrist protector and finger grips. Full raw hide laced edge. A mitt that will give long and satisfactory service .....each *$13.50*

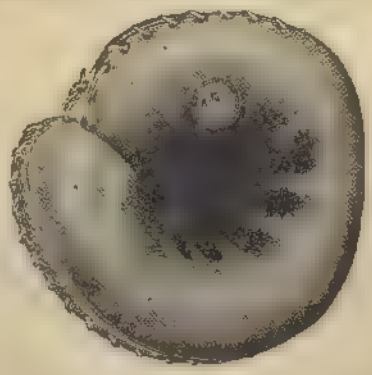
ONE IN A BOX



No. 15M—Walter Schmidt Model. Best quality heavy pearl cow hide. Highest grade layer asbestos felt padding. Natural ball holding pocket. Full leather laced edge. Goldsmith patented wrist protector, each *$12.00*

ONE IN A BOX

No. 230—Semi-Pro Model. An exceptionally attractive mitt of genuine white cowhide. Good quality asbestos felt padding that will withstand hard pounding. Full leather laced edge for re-arranging padding. Goldsmith patented wrist protector, each *$7.00*



No. 234—A large, well made mitt, perfectly shaped, and of excellent wearing qualities. Choice heavy black cowhide, double stitched and well padded. Full laced edge. Deep roomy, lace-adjusting, ready-broke pocket *$8.00*

No. 226—A mitt for hard service. The palm and fingers are selected cowhide. Double stitched. Laced edge with rawhide lace for adjusting padding. Patented wrist protector. A great favorite, each *$6.00*

No. 185—Good quality black sheepskin throughout, leatherette edge and cloth back. Laced at thumb, each *$1.50*

No. 187—Good quality black mitten, leather throughout, well padded with natural ball pocket. Full laced edge. Leather buckle and strap, each *$2.25*

ONE IN A BOX

No. 182—Youth's size. Strong, chrome tanned leather palm and fingers. Leatherette edge and khaki back. Laced at thumb, each *$1.00*

HALF DOZEN IN A BOX

No. 210—Palm and fingers made of good quality cowhide, double stitched throughout. Well padded with full laced edge. Patented thumb lacing for adjusting ball pocket .....each *$5.00*

No. 209—An attractive well built mitt of best grade black cowhide. Double stitched throughout. Well padded to form a natural ball pocket. Full laced edge with waxed lace. Goldsmith patented wrist protector, each *$4.00*

No. 205—Palm and fingers made of good mitten leather throughout. Double stitched. Well padded with full laced edge. Goldsmith wrist protector .....each *$3.50*

No. 188—Good grade chrome tanned leather throughout. Laced edge for arranging for padding. Buckle and strap .....each *$3.00*

Championship Emblems

—GOLDSMITH—

TROPHY CUPS—WATCH FOBS

Are presented free of charge to the winning club of any league having adopted and used the Goldsmith Official League Ball throughout their schedule; the cups, as well as the Fobs, are distinctive and of high quality, and should prove an encouragement for the formation of amateur leagues; a special contract giving full particulars and details will be sent upon request.

Prices on Application.

GOLDSMITH "PROFESSIONAL MODEL" FIELDERS' GLOVES

No. 1TB—The "Peer" of All; a combination infielder's and first baseman's glove; made of the finest horsehide, waterproof and oil tempered; out-seam stitched with heavy linen cord; has special web fingers and ready-broke pocket; finest kid leather lining with highest grade felt padding; full laced wrist, allowing adjustment of padding to suit the wearer; a glove of exceptional wearing qualities, each $8.00

No. 2KB—Hans Wagner Model; an extra large, long fingered, easy-fitting model; made of the finest tan horsehide; well padded in thumb and heel; stitched throughout with heavy linen thread; leather welted seams; oil tempered by special process, adding life as well as flexibility to the leather, it is ready-broke for immediate use; full kid lined and padded with the best quality felt; full laced wrist ....each $7.50

ABOVE, ONE IN A BOX

No. 3B—"Pat Duncan" Model; a very full and roomy model for the player who prefers an easy fitting model; made of the finest glove tanned horsehide; very soft and pliable; leather lined throughout, with welted seams; correctly padded and ready-broke for immediate use; the laced wrist permits the padding to be adjusted as desired. each $6.00

No. 4K—"Walter Johnson" Model; this glove represents a masterpiece of workmanship; the material is finest black flexible horsehide, with full kid lining; slightly raised heel, no padding in the palm, producing a natural ready-broke, ball-holding pocket; rawhide laced wrist; made to slip on and start playing, each $6.00

ABOVE, ONE IN A BOX

No. 5XL—"Carl Mays" Model; the leather used in this glove is genuine drab velvet finish horsehide; full leather lined, with tan welted seams; sewed with strong linen cord; snug fitting and lightly padded in thumb heel and little finger, producing a natural pocket laced wrist for adjusting padding; a glove which will give satisfactory service .....each $7.50

No. 6G—"Bigbee" Model; scoop up the hot ones with this short fingered model; especially adapted to infield play; drab buff finish horsehide, full leather lining; no padding in palm, insures a firmer grip; laced at wrist for adjusting pad; a very high grade glove, each $5.00

No. 7DW—"Roush" Model; made of finest Golden Brown Cowhide; laced with leather lace between thumb and finger; kid leather lining, with highest grade felt padding; full laced wrist allowing adjustment of padding; a glove of exceptional wearing qualities. each $5.00

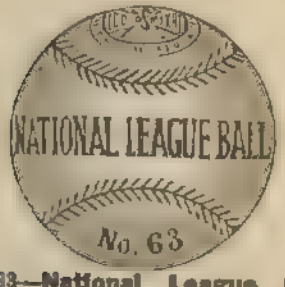
ABOVE, ONE IN A BOX

Prices on Application.

GOLDSMITH BASE BALLS

No. 1A—Special League Ball; cork and rubber center, wound under tension with best quality wool yarn, finest horsehide cover, hand-stitched with red and blue waxed cord, rigidly inspected for size and weight and warranted to comply with the official regulations, guaranteed for one full game .....each *$1.75*

ONE IN A BOX



No. 63—National League Ball; finest pure para rubber center wound with high grade wool yarn, best grade horsehide cover, stitched with red and green waxed cord, a ball of great resiliency and durability, conforms to official specifications and guaranteed for one full game .....each *$1.75*

ONE IN A BOX

No. 70—Official Practice; full regulation size and weight; one ounce rubber center wrapped with heavy yarn under tension to give greater resiliency; horsehide cover; hand-stitched .....each *$1.00*

ONE IN A BOX

No. 66—National Practice. Regulation size. Horsehide cover. Rubber center, with compressed wool felt and strong yarn wrapping. Closely stitched, will not break or tear loose. Very lively, each *$0.75*

ONE IN A BOX

No. 47—New York Club; regulation size and weight; made of firmly compressed wool felt; carefully hand-stitched, strong, horsehide cover; very lively and will give good service; each ball in a separate sealed box .....each *$0.50*

ONE IN A SEALED BOX

No. 40—Boys' Lively League; a very lively ball; Junior size; compressed wool felt filling, yarn wrapped; horsehide cover, strongly stitched; will stand hard batting, each *$0.50*

ONE IN A BOX

No. 45—Atlantic; regulation size; a substantial well made ball; good quality, strongly stitched sheepskin leather that will withstand hard wear ....each *$0.25*

ONE DOZEN IN A BOX

No. 80—League Junior; slightly under regulation size; very lively; sheepskin leather cover; closely stitched with heavy blue thread; packed separately in a sealed box, each *$0.25*

ONE DOZEN IN A BOX

No. 17—Champion; full regulation size; made with special care and attention; double stitched, waterproof Cara cover; the largest ball offered at the price, each *$0.15*

ONE DOZEN IN A BOX

No. 35—Boys' Practice; the most substantial boys' ball at the price; carefully made with waterproof Cara cover; will give good service .....each *$0.10*

ONE DOZEN IN A BOX

THE TRADE MARK

The Goldsmith Guarantee

Is an expression of our faith and confidence in the quality and workmanship of every article bearing the Goldsmith Trade Mark.

Any article which may prove unsatisfactory or develop a defect during use will be repaired or replaced if returned express charges or return postage prepaid.

P. Goldsmith's Sons Cincinnati, Ohio, U. S. A.

Some of the Many Major League Players Who Use Goldsmith Goods

ROUSH Cincinnati Reds

ALEXANDER Chicago Cubs

GEORGE SISLER—St. Louis Browns

GROH New York Giants

Prices on Application.

GOLDSMITH OFFICIAL LEAGUE BASE BALLS

Liven up your game. Get more speed and action. Get real playing satisfaction by using a Goldsmith Official League Ball.

Official for use in all games in organized ball, has been used by twenty professional Leagues as their Official Ball.

Made with a pure para rubber center wound with wool yarn under tension which produces a ball just the necessary resiliency. Expert supervision and constant inspection insure uniformity. Especially selected tough horsehide cover hand stitched with red and black waxed linen cord. **Positively guaranteed to give not less than eighteen innings' service** without ripping, softening or losing its shape, and to conform to the official specifications in every detail. Each ball wrapped in tissue paper, separately boxed and sealed according to official regulations. Weighs 5 ozs. and measures 9 in. in circumference.

No. 97—W't per doz. 4 lbs. ..... each *$2.00*

ONE IN A BOX, ONE DOZEN IN A CARTON

GOLDSMITH BASE BALLS

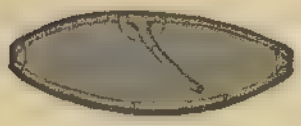
No. 89—Goldsmith Special Nine Inning League Ball. Selected wool yarn wound over a pure rubber center. Genuine horsehide cover handstitched with red and green waxed cord. A ball of unusual elasticity and durability, of regulation size and weight. Guaranteed for nine full innings. Each ball packed in a separate sealed carton, each *$1.50*

No. 94—Junior Official League Ball. A league ball slightly under regulation size. Rubber center wound with wool yarn. Red and black stitched horsehide cover. Guaranteed nine innings. Wrapped in tissue and separately boxed, each *$1.50*

No. 91—Official Municipal League Ball; a ball of unusual merit; pure para gum center, wound with fine quality wool yarn; horsehide cover, with red and blue stitching; tested for weight and size, and warranted offcial in every respect; wrapped in tissue and packed in separate sealed cartons .....each *$1.25*

GOLDSMITH FOOT BALL GOODS

RUGBY BLADDERS



Guaranteed pure gum rubber.

No. 4—Size 4, for Nos. 5S and 5L balls, w't per doz. 1¼ lbs., per dozen $8.30

No. 2—Size 5, for Nos. 5G, 5K, 5T and 5H balls, w't per doz. 2 lbs., per dozen $10.80

No. 1—Intercollegiate, size 5, for Nos. 5RS and 5F balls, w't per doz. 2 lbs. . .per dozen $12.60

PACKED LOOSE

LACING NEEDLES

No. 4—Regulation .....each *$0.05*

No. 6—One piece, with handle and hook to pull up lacing, per dozen *$2.40*

SHOULDER HARNESS

Are made to fit the body easily and snugly. Protection, durability and lightness are the cardinal points of superiority. Best grade sole leather, stiffened shoulder caps and collar bone protection, heavy white or gray felt padding, combined with scientific construction make them without an equal. Their use gives added confidence and makes for better play.

No. 31—For linesman; perfect protecton in scrimmage and rough play; designed by a prominent coach, the chief feature of this pad is the double thickness of white felt padding which covers chest and collarbone; faced with solid sole leather; shoulder caps are molded sole leather; patented "Jiffy" lacing; light and won't bind . . . .each *$7.00*

ONE IN A BOX

No. 18—Light weight model for fast work; solid leather shoulder caps; sole leather over collar bone; well padded with gray felt...each *$5.00*

ONE IN A BOX

RAWHIDE LACES

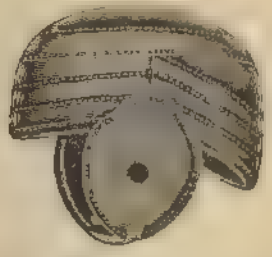
No. 10—40-inch length....each *$0.10*
No. 8—30-inch length....each *.05*

HELMETS

No. 50—The favorite helmet of many colleges and universities; selected tan six-ounce harness leather; solid moulded top, ears and back; padded with white felt; leather lined sweatband, elastic forehead adjustment, each .....*$6.$$*

No. 43—Made of heavy black waterproof sole leather, hand moulded and stiffened; best white felt padding; well ventilated; elastic forehead adjustment; adjustable chin strap .....each *$5.00*

ONE IN A BOX



No. 41—A soft light weight model of black leather, lined throughout with good grade white felt; hand moulded and stiffened ear tabs; adjustable elastic chin strap, correctly ventilated .....each *$4.50*

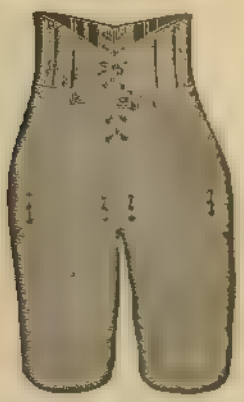
No. 29—Black moulded top and ear tabs; gray felt padded; adjustable chin strap .....each *$3.00*

ONE IN A BOX

GOLDSMITH FOOT BALL GOODS

Prices on Application

PANTS



No. F028—Exceptionally good pants, designed for "prep" and high school use; constructed throughout in the same manner as the higher priced numbers; best quality 8 ounce government army duck; white felt padded adjustable kidney pads stiffened with fibre., can be detached if desired; patented, adjustable, four piece, curved, sectional fibre thigh guards held firmly in place by combination laced and elastic leg; shaped gray felt knee caps; felt spine protector; triple sewed double locked elastic seams throughout; ventilated crotch, tunnel belt loops, buckle and strap.....per pair★ $12.00

No. F024—Made in a substantial manner throughout of the best quality 7 ounce olive duck; curved, sectional, fibre thigh guards vertically adjustable, padded with gray felt; flexible fibre stiffened felt padded kidney pads, adjustable and detachable; felt spine protector; high laced front; ventilated crotch; triple sewed, double locked elastic seams; buckle and strap, per pair★ $10.00

ONE IN A BOX

No. F016M—Seven ounce olive duck; flexible fibre thigh guards; gray felt kidney pads stiffened with fibre to prevent sagging; well padded in hips and knees; high laced front; tunnel belt loops; triple sewed, double locked elastic seams★ .....per pair $7.20

ONE IN A BOX

PANTS

No. F012B—Best quality 7 ounce olive duck; boy's sizes 22 to 30 inch waist; thigh guards of flexible fibre stiffened gray felt kidney pads; well padded at hips and knees; buckle and strap; triple sewed, double locked elastic seams★ ..... per pair $4.00

ONE IN A BOX

Our reputation founded on over sixty-seven years' business stands back of the OVB brand.

All goods branded OVB are guaranteed to be of highest quality material and workmanship and free from imperfections.

In selling OVB articles there is a profit for you and satisfaction to your customers.

★ Items Marked Thus ★ Are Shipped from Factory Only

GOLDSMITH FOOT BALL SHOES

No. 97-93

Showing Cleats

No 89

No. F99—Varsity, genuine Goodyear welt, finest quality kangaroo calf uppers, made on the celebrated solid shank last, extra high cut, with oil tempered and waterproof oak soles and regulation cleats, with special steel plate in the sole; full leather vamp lining; padded ankle guards; kick-proof sole leather box toe; worn by many of the most successful university players★ .....per pair *$11.00*

No. F93—Sprint Last, finest birds eye elkskin uppers; padded ankle guards; waterproof rock oak soles; black fibre cleats; kick-proof leather box toe; hand sewed flexible shank; English welt; steel plate in soles★ .....per pair *$9.50*

No. F89—Good quality black waterproof horsehide uppers; medium low; best oak leather soles and Brown Style leather cleats; padded leather ankle guards; special steel plate in the sole, a serviceable low priced shoe★ . . .per pair *$7.50*

ONE PAIR IN A BOX

Our reputation founded on over sixty-seven years' business stands back of the OUR VERY BEST brand.

All goods branded OUR VERY BEST are guaranteed to be of highest quality material and workmanship and free from imperfections.

In selling OUR VERY BEST articles there is a profit for you and satisfaction to your customers.

ATHLETIC SUPPORTS

No. 561S—Sack of double thickness lisle, all elastic 2½ in. waist band and 2 in. leg straps, three sizes, large, medium and small, w't per dozen 2½ lbs. .....per dozen $10.50

ONE IN A PASTEBOARD BOX

SUSPENSORIES

No. 320—Army and navy, lisle sack, elastic band, three sizes, large, medium and small, w't per doz. 2 lbs., per dozen $10.50

ONE IN A PASTEBOARD BOX

WRIST SUPPORTS

No. 100—Asst. colors, leather, single strap and buckle, w't per doz. ½ lbs. .....per dozen $2.90

No. 102—Asst. colors, leather, double strap and buckle, w't per doz. 1 lb. .....per dozen $4.50

PACKED LOOSE

Our Very Best is the Very Best.

★ Items Marked Thus ★ Are Shipped from Factory Only.

VOLLEY BALLS

No. 8V—Made on the official four-piece pattern of the finest tan calf-skin; patented outside stitching which prevents stretch as well as wear on the seams; heavy duck lining; with pure gray gum bladder, each $6.00

ONE IN A BOX

No. 6V—Made on the English twelve-piece pattern; the leather is high grade white cowhide, backed with a heavy lining; guaranteed official in size, shape and weight; complete with pure gray gum bladder, each $5.00

No. 4V—An excellent ball of chrome tanned leather; constructed on the twelve-piece pattern, which insures perfect shape; heavy duck lining; complete with pure gray gum bladder .....each $4.00

No. 3V—An extremely serviceable and durable ball of pearl leather, reinforced with duck lining; correct in size, shape and weight; leather lace and pure gray gum bladder, each $3.50

ONE IN A BOX

MEDICINE BALLS

No. F9—W't 9 lbs., smooth grain calf skin cover★ .....each $15.00

No. F6—W't 6 lbs., smooth grain calf skin cover★ .....each $12.00

No. F4—W't 4 lbs., smooth grain calf skin cover★ .....each $8.50

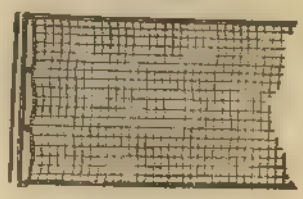
ONE IN A BOX

VOLLEY BALL BLADDERS

No. 5VB—Guaranteed pure para rubber, w't per doz. 3 lbs., per dozen $11.90

ONE DOZEN IN A BOX

VOLLEY BALL NETS



No. 27VN—27 ft. long, 3 ft. wide, without standards, w't each 1 lb., per dozen $41.00

ONE IN A BOX

VOLLEY BALL STANDARDS

Heavy iron bases, steel pipe uprights with hooks and cleats for fastening net. Furnished with floor plates for anchoring. Can be used indoor or outdoor.

No. P42—W't each 80 lbs., per pair $30.00

The uprights are 8 feet high, made of selected wood stock, nicely finished and provided with iron bases. These standards can be placed anywhere and will properly hold the net. Furnished with floor plates for anchoring.

No. P41—W't each 65 lbs., per pair $27.00

OVB
OUR VERY BEST

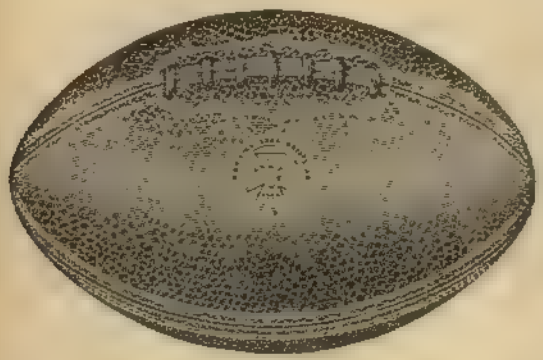
Our Very Best
Is
The Very Best .

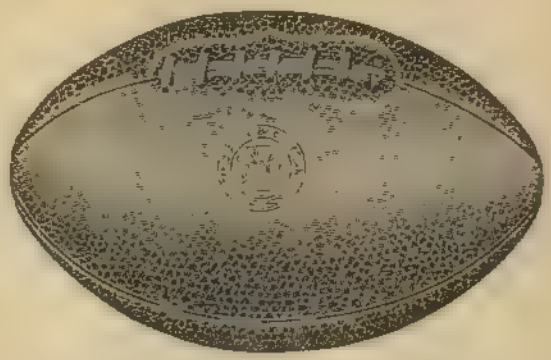
★ Items Marked Thus ★ Are Shipped From Factory Only.

Prices on Application.

GOLDSMITH OFFICIAL RUGBY FOOT BALLS

Guaranteed for two full games and to comply with the official specifications, official for use in any game. Used by the leading universities throughout the country.





OFFICIAL "SURE-GRIP"

(Patented)

The ball with the patented stitching, the biggest improvement in foot ball construction in years. Made with a heavy seven-ply waxed linen cord stitching along the seams. Positively prevents stretch and affords a "sure-grip." The leather is the finest imported English Tempered Hide, backed with two heavy specially constructed linings. Shaped with small pointed ends. With pure gray gum bladder, leather lace and lacing needle.

No. 5RS—Each $10.00

ONE IN A BOX

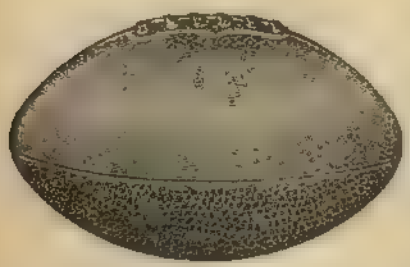
OFFICIAL INTERCOLLEGIATE

The ball for better punting and passing. Designed and constructed by experts, with small nicely tapered ends which permit a firmer hold for accurate forward passing. Made of the finest imported English Process Tempered Hide, backed with two heavy especially constructed linings which prevent stretch. Stitched throughout with seven ply linen cord. Carefully inspected and tested for weight, size and shape. A ball for fast play. With pure gray gum bladder, leather lace and lacing needle.

No. 5F—Each $10.00

ONE IN A BAG

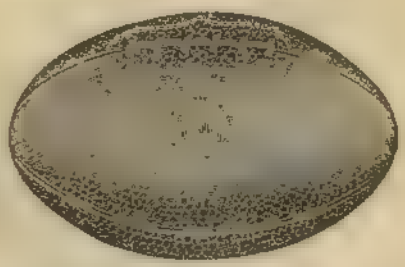
GOLDSMITH RUGBY FOOT BALLS



No. 5Q—A very durable ball of American boarded cowhide, backed with a heavy canvas lining which prevents stretch; stitched with heavy linen cord; regulation size and weight; pure gray gum bladder, leather lace and lacing needle, each $5.00

No. 5T—A ball for hard and rough usage, good quality, genuine heavy cowhide, backed with a heavy canvas lining; stitched throughout with linen cord, regulation size, packed with pure gray gum bladder, leather lace and lacing needle...each $4.00

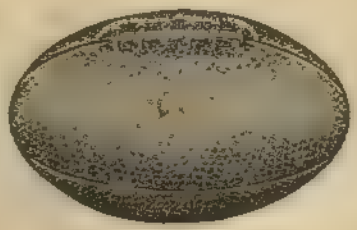
ONE IN A BOX



No. 5K—A heavy pebble grain foot ball leather, reinforced with a strong canvas lining, is used in this ball; made regulation size; very serviceable; complete with pure gray gum bladder .....each $2.50

No. 5H—Made of selected pebble India grain leather with canvas lining; strongly stitched throughout; regulaton size; a ball that will give exceptional service; with pure gray gum bladder .....each $2.00

ONE IN A BOX



No. 5S—A medium sized ball, of pebble grain foot ball leather; linen stitching throughout and canvas backing; complete with good grade gum bladder .....each $1.75

No. 5L — Especially selected tan leather, reinforced with a canvas backing; a very serviceable ball for the little fellow; complete with good grade pure gray gum bladder, each $1.50

No. 5U—College Special, American process foot ball cowhide is used in this most durable ball. Special methods of construction prevent stretching and insure perfect shape. Linen cord stitching. An exceptionally durable ball that is fully guaranteed. Complete with pure gum bladder, leather lace and lacing needle., each $6.00

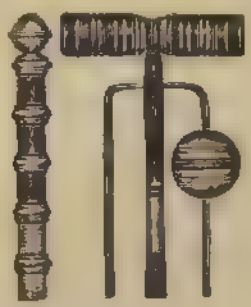
ONE IN A BOX

CROQUET SETS

Hibbard

No. T10 Hibbard—Four Ball Set, balls, handles and mallets striped and varnished, 8 in. mallets, two large fancy stakes, galvanized arches, beaded handle, w't per set 18 lbs. .....per set $6.30

No. T17 Hibbard—Eight Ball Set, balls, mallets and handles painted and striped, two large fancy stakes, galvanized wire arches, 6 in. mallets, w't per set 26 lbs., per set $10.10



No. T15 Hibbard—Four Ball Professional Set, 8 in. rock maple, hand turned, ebonized and bronzed mallets, ebonized and bronzed balls and 28 in. handles, two large beaded fancy striped and bronzed four color stakes, heavy galvanized arches, w't per set 20 lbs, per set $8.60

ALL ABOVE, ONE SET IN A FINISHED HINGED WOOD BOX

"CRUSO"

"CRUSO" sets contain 5 in. plain oiled mallets with 28 in. one color banded handles, one-color banded varnished balls, plain one-color stakes and ten coppered arches.

Nos.	T2	T3
No. Balls	6	8
W't, lbs.	17	21
Per set	$3.00	3.50

No. T4—"Cruso" 8 ball set, 5 in. plain oiled mallets with 28 in. one-color banded handles, one-color banded varnished balls, plain eight-color stakes, ten coppered arches, w't per set 19 lbs., per set $4.80

"CRUSO" Professional Sets—consist of 8 in. plain varnished mallets with 28 in. one-color banded handles, large eight-color stakes, one-color banded and varnished balls, galvanized arches.

No. T9—4 balls, w't 18 lbs. .....per set $4.00

ALL ABOVE, ONE SET IN A FINISHED HINGED WOOD BOX

CROQUET BALLS

No. 4—Rock maple, varnished, with band, 8 colors, per dozen $3.00

PACKED LOOSE

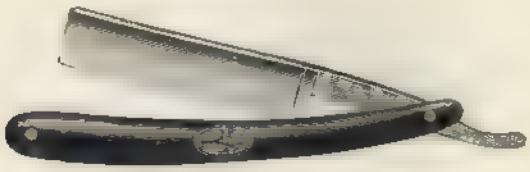
RAZORS

Gold Seal

Extra full concave ground. Highly polished. Back and oval tang gold plated. Bevel edge flat, transparent handle

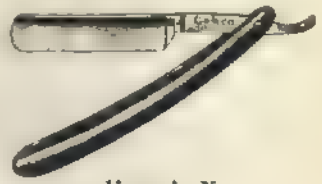
Seneca Chief

Full concave ground. Finely polished. Fine tang. Oval cocobolo handle with metal tips.



Red Injun

Ground thin, honed and set ready for use. Double file tang. Black handle.



Henry's X

Half concave ground. Fine polish. Plain tang. Black, oval vulcanized rubber handle

No.	Name	Points	Widths	Packed	Weight	Per Doz
	Gold Seal	round and square	¼, ⅜, ½ in.	½ doz	⅞ lb.	**$60.00**
	Seneca Chief	round	⅝, ¾ in.	½ doz.	⅞ lb.	**60.00**
101	Red Injun	round and square	⅝ in.	½ doz	1⅜ lbs	**48.00**
102	Red Injun	round and square	¾ in.	½ doz	1⅛ lbs	**48.00**
	Henry's X	round	⅝, ¾ in.	½ doz.	⅞ lb.	**32.00**

TWINPLEX STROPPERS

No. G-200

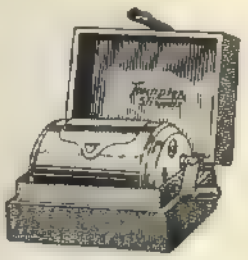
For Gillette blades. Nickel plated stropper. Hinged, nickel case lined with purple satin

No	Case	Packed	Weight	Each
G-200	3x3x2⅛ in.	1	14 oz	**$5.00**

No. GX Black Beauty

For Gillette blades. Black enameled and nickel plated stropper. Gold stamped, purple case.

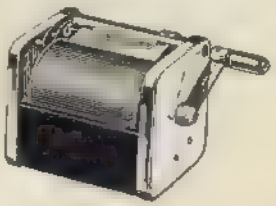
No.	Case	Packed	Weight	Each
GX	2⅞x3⅛x3⅛ in.	1	11 oz.	**$3.50**



No. DX

For Durham Duplex blades. Nickel plated stropper. Full grained, imitation leather outside purple lined case.

No	Case	Packed	Weight	Each
DX	2⅞x3⅛x3¼ in.	1	11 oz	**$3.50**



No. S-2

For Auto-Strop, Enders, Ever-Ready and Gem blades. Black enameled and nickel plated stropper. Gold stamped, purple case.

No.	Case	Packed	Weight	Each
S-2	2⅛x2⅛x3⅛ in.	1	11 oz.	**$3.00**

RAZOR STROPS

No. 307

2x22 inches. Broke in yellow horsehide finish strop. Solid web, dry hone sharpen strop. Padded loop, case leather handles. Double eye, nickeled swivel

Packed, ½ doz., weight, 2 lbs.....per doz., **$6.00**

No. G 6

2x22 inches. Broke in heavy horsehide finish strop Broke in London grain red hone sharpen strop. Double case leather, stitched fashion handles. Single eye, nickeled swivel

Packed, ½ doz., weight, 1⅜ lbs per doz., **$9.00**

No. 800 Z

2¼x23 inches. Heavy, broke in, mode color horsehide finish strop. Heavy, black London grain sharpen strop. Double case leather, stitched fashion handles. Heavy English pattern, nickeled swivel

Packed, ½ doz., weight, 3½ lbs .per doz., **$12.00**

No. 80 Z

2½x25 inches. Heavy, broke in, mode color horsehide finish strop Heavy, black London grain sharpened strop. Double case leather, stitched fashion handles. Heavy English pattern, nickeled swivel.

Packed, ½ doz., weight, 3½ lbs.....per doz., **$16.00**

No. 291¼

2¼x22 inches. Single shell horsehide, finished on both sides. Natural, ready for use finish side. Broke in, grained grain all across with 5 inch ready for use red hone in center sharpen side. Full fashion square barber style handle Eyelet in top.

Packed, ½ doz., weight, 1¼ lbs.....per doz, **$18.00**

No. 27 Z

2 x24 inches. Zulu shell horsehide, mode color, finished strop. Heavy, black London grain sharpen strop Case leather, stitched fashion handles. Heavy clutch pattern, black rubber finish, nickeled swivel.

Packed, ½ doz., weight, 3⅜ lbs per doz., **$24.00**

No. 88

Four side cushion, strop and hone combination, length 14 inches, 1½ inch nickel plate.

Packed ½ doz., weight, 3 lbs.....per doz, **$12.00**

For Auto Strop Razors

Genuine horsehide. 1 in a box

No.	Size	Packed	Weight	Per Doz.
X	1½x13½ in.	2 doz.	1¼ lbs.	**$6.00**
XX	1½x18¼ in.	1 doz.	1¼ lbs.	**12.00**

WATER BAGS

DESERT

Regular closed top

Made from long fibre flax. Special weave. Full capacity dimensions. Bottom corners rounded, seams inside. Suspension ring fastened through metal eyelets, attached under hardwood braces. Drawn aluminum nozzles. Non-rusting. Light. No. 1 Manila rope, wire whipped. Regular and auto have top sewed or closed. The top pockets contain round hardwood braces.

No.	Capacity	Size	Net wt. doz.	Per doz.
1	1 gal	10 x11½ in	5 lbs	$17 20
2	2 gals	12¾x15⅛ in	8½ lbs	22 80
3½	3½ gals	14 x21½ in	12 lbs	35 40
5	5 gals	17 x23½ in	16 lbs	44 40

Loose.

Open top. Sliding steel wire clamp sprng. Hardwood clamp Bars waterproofed.

No.	Capacity	Size	Net wt doz.	Per doz.
1-O	1 gal	11½x10 in.	7 lbs	$19 00
2-O	2 gals	15⅛x12¾ in	14½ lbs	25 20
3½-O	3½ gals	14 x21½ in	15 lbs.	37 60
5-O	5 gals	17 x23½ in	19 lbs	47.00

Loose.

FAUCET STYLE

Nickel plated push button faucets

Closed Top

No.	Capacity	Size	Net wt doz.	Per doz.
3½F	3½ gals	14x21½ in	14 lbs	$44.40
5F	5 gals	17x23½ in	18 lbs	53.60

Open Top

No	Capacity	Size	Net wt doz.	Per doz.
3½OF	3½ gals	14x21½ in	17 lbs	$47.00
5OF	5 gals	17x23½ in	21 lbs	56.60

*Last dimension denotes depth of bags

Loose.

CANTEENS

STANDARD

Trade Capacity

Galvanized steel, blanket covered, 1½-inch aluminum can screw. Four strap guards. Canvas straps. Seamed edges. No solder

No.	Capacity	Diameter	Ship. wt doz.	Per doz.
2	2 qts	7⅜ in	17 lbs	$21 00
3	3 qts	8¼ in	19 lbs	22 50
4	4 qts	9½ in	24 lbs	24.50
6	6 qts	10¾ in	31 lbs	30 30
8	8 qts	11½ in	37 lbs	35 20
10	10 qts	12 in	39 lbs	39 30

One dozen in a carton.

	Per doz
Extra Straps 60-inch	$2 00

Galvanized steel, canvas covered. 1-inch aluminum can screw. Oval edges. 1½-inch double canvas strap

	Capacity	Diameter	Ship. wt doz	Per doz.
Government	1½ qts	8 in	17½ lbs	$24 20
Boy-Scout	1 qt	7 in.	11 lbs	20 00

One dozen in a carton.

	Per doz
Extra Straps—60-inch	$2 00

HARVEST KEGS

Trade Capacity

Oak, coppered wire bails, wood grip. ⅜-inch mouthpiece
Nos. 1 to 3 have 4; No. 5 has 6 hoops, ⅞-inch

No	Capacity	Size	Ship. wt doz.	Per doz
1	1 gal	9⅛x 6 in	45 lbs	$21.00
2	2 gals	11⅛x 7½ in	60 lbs	33 50
3	3 gals	14 x 9 in.	87 lbs	27 00
5	5 gals	16¼x12½ in.	125 lbs	44 00

Nos. 1, 2 and 3, one-half dozen. No. 5, one-third dozen in a bundle

UTILITY THERMOMETERS

BATH

TAYLOR

White enameled wood case with handle. Nickel plated scale. Permacolor filled tube. Range 30° F to 150° F above zero.

No.	Length	Net wt. doz.	Per doz.
5607S	12 in	3 lbs	$25 40

One-half dozen in individual cartons in a box.

Shipping weight adds 67% to net weight.

OVEN

TAYLOR

For home baking. Flanged metal scale. Removable round disc metal base with asbestos mat attached. Sand blast finish. White filled figures. Non-separable mercury tube. Range 100° to 600° F above zero.

No.	Length	Net wt. doz.	Per doz.
5928	5 in	2½ lbs	$37 70

SACCHAROMETERS

GRAPE

No. Z4126A

HOME

No. 7261

For determining sugar percentage in grapes. Combined thermometer and hydrometer. Range thermometer to 14° F above. Range hydrometer 10% to 30% in ½% graduations.

No.	Length	Net wt. doz.	Per doz.
Z4126A	16 in	4½ lbs	$70.00

One-half dozen in individual cartons in a box.

Shipping weight adds 80% to net weight

Determines sugar contents when making jellies or preserving fruits. Range to 60%.

No	Length	Net wt. doz.	Per doz.
7261	5½ in	2¼ lbs	$16.40

One-half dozen in individual cartons in a box

Shipping weight adds 80% to net weight.

GLASS TEST JARS

Lipped and footed. For holding liquids while using saccharometers or spirit hydrometers. Fellows saccharometers is part of this equipment

No.	Size	Net wt. doz.	Per doz.
7466EF	15x2 in	12 lbs	$19.80

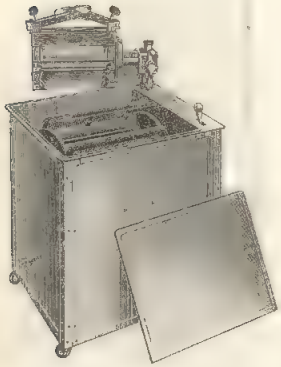
Loose

Shipping weight adds 80% to net weight.

WASHING MACHINES

UNIVERSAL

ELECTRIC



Full cabinet cylinder type, with all movable parts enclosed. Table top cover. Gray enamel finish. Detachable 20-foot cord, with rock-off connection.

Machinery—Silent running cut gears, enclosed in oil. Automatic safety clutch, ball bearing type in drive shaft. All gear driven.

Cylinder—Zinc reversible type. Eighteen and one-half inches long, 18 inches inside diameter. Weight, 19 lbs. Easily removed. Size and construction of cylinder holes prevent injury to daintiest fabrics. Cylinder automatically locks in position with opening at top, when not operating, permitting easy removal of contents. Cylinder revolves twice, reverses, revolving twice in opposite direction, making 18 complete revolutions per minute. Five maple baffle strips inside carry clothing up until they fall back of their own weight into suds.

Tub—Self-draining. Settling zone in bottom prevents sediment from being forced back into clothes. Drain cock outside of cabinet 10¾ inches from floor.

Wringer—Swing, reversible type, wood frame. Safety release. Has four positions, and will not operate except when locked in position. Easily detached, allowing cabinet to be used as table. Double drain board. Rolls 12x1¾ inches.

Guarantee—Universal washer is guaranteed for one year against defects of material and workmanship. It will give years of service if used according to factory directions.

Ordering—Be sure to specify voltage and type of current. If alternating current we must know the number of cycles. We stock E1930—110 volts 60 and 50 cycles, 220 volts 60 cycles; No. E1940—110 volts 60 and 50 cycles. Motor ¼ horse power.

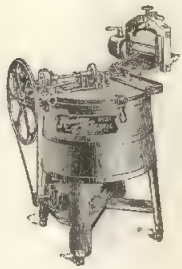
Capacity, Six Sheets

No.	Tub	Floor space	Height to top of tub	Ship. wt. each	Each
E1930	Galvanized	29½x23⅞ in.	35¼ in.	300 lbs.	$159 50
E1940	Copper	29½x23⅞ in.	36¼ in.	300 lbs.	172 50

One in a case.

HORTON

ELECTRIC OR HAND POWER



With Three-Way Wringer

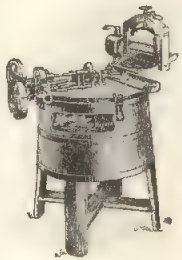
Covered cut gears. Steel frame, swinging wringer, with 1¾x10-inch ball bearing rolls, and safety trigger. Tub, Louisiana red cypress. Corrugated inside, natural finish. Reversible drain board. Outside varnished. Ball bearing casters. G. E. motor, A. C. current ⅛ H. P., 110 volts, 50 or 60 cycle, 220 volts, 60 cycle.

No.	Size tub	Height crated	Ship. wt. each	Each
32	21½x22x12 in	39 in.	200 lbs.	$132.60

One in a crate.

COMBINATION HIGH SPEED

DOLLY PATTERN



With Three-Way Wringer

No. 31 is same machine as No. 32 less motor, cord, belt and fly wheel, with a pulley wheel (for belt drive) replacing fly wheel. Specially adapted for use where electric power is not obtainable. Size pulley 8x1¾ in. Speed 245 R.P.M.

No.	Size tub	Height crated	Ship. wt. each	Each
31	21½x22x12 in	50 in.	172 lbs.	$82 70

One in a crate.

Clarionets, Flutes, Accordeons and Concertinas

Made of Grenadilla wood, perfect in finish and construction and fully guaranteed. International or New Standard Pitch is low pitch; American or Concert Pitch is high pitch.

Albert system. High and low pitch, with 4 rings and 4 heavy gutta percha roller keys, 15 keys, double Bb and C sharp trill keys.

No. 1604	Low pitch, key A.	Price... $57.30
No. 1614	Low pitch, key Bb.	Price... 57.30
No. 1624	Low pitch, key C.	Price... 57.30
No. 1644	Low pitch, key Eb.	Price... 57.30
No. 1654	High pitch, key A.	Price... 57.30
No. 1664	High pitch, key Bb.	Price... 57.30
No. 1674	High pitch, key C.	Price... 57.30
No. 1684	High pitch, key Eb.	Price... 57.30

Clarionet. High pitch or low pitch, 13 nickel silver keys, 2 rings and nickel silver trimmed. Albert system, with cork joints

No. 1424	Low pitch, key A.	Each.... $43.40
No. 1464	Low pitch, key Bb.	Each..... 43.40
No. 1474	Low pitch, key C.	Each..... 43.40
No. 1484	Low pitch, key D.	Each..... 43.40
No. 1494	Low pitch, key Eb.	Each..... 43.40
No. 454	High pitch, key A.	Each..... 43.40
No. 464	High pitch, key Bb.	Each..... 43.40
No. 474	High pitch, key C.	Each..... 43.40
No. 484	High pitch, key D.	Each..... 43.40
No. 494	High pitch, key Eb.	Each..... 43.40

Clarionets. High pitch or low pitch, 15 nickel silver keys, 2 rings and nickel silver trimmed. Albert system, with cork joints Has extra Bb and C sharp keys.

No. 1704	Low pitch, key A.	Each $47.85
No. 1714	Low pitch, key Bb.	Each 47.85
No. 1724	Low pitch, key C.	Each 47.85
No. 1734	Low pitch, key D.	Each 47.85
No. 1744	Low pitch, key Eb.	Each 47.85
No. 704	High pitch, key A.	Each 47.85
No. 714	High pitch, key Bb.	Each 47.85
No. 724	High pitch, key C.	Each 47.85
No. 734	High pitch, key D.	Each.... 47.85
No. 744	High pitch, key Eb.	Each.... 47.85

FLUTES

No. 210144

No. 23624 Key C, Grenadilla, with tuning slide, eight keys, in pasteboard box, low pitch. Each $12.90

No. 210094 Key C, Meyer pattern, Grenadilla, tuning slide, ten keys, in keratol covered case, flannel lined, complete with joint caps, swab, screw driver, grease box and pads, low pitch. Each..... 34.35

No. 210124 Key C, Meyer pattern, Grenadilla, thirteen keys, cork joints, in fine keratol covered flannel lined case, complete with swab, screw driver, joint caps, grease box pads, low pitch. Each. $32 75

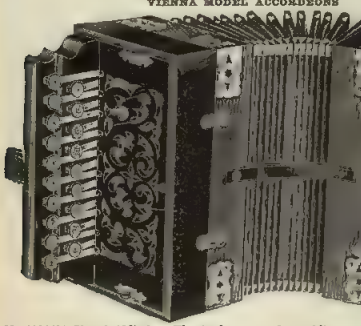
No. 210144 Same as No. 210124, but with art ivory head. Each 30 70

PICCOLOS—MEYER SYSTEM

Case is furnished only with Nos. 23624 and 23534, others are priced without case.

No. 21344	Key C, Grenadilla, with tuning slide, 6 keys, cork joints, Meyer pattern, low pitch	$ 5.40
No. 21354	Key Db, Grenadilla, with tuning slide, 6 keys, cork joints, Meyer pattern low pitch	5.40
No. 22364	Key C, Grenadilla, with tuning slide, 6 keys, cork joints, art ivory head low pitch	9.00
No. 22374	Key Db, Grenadilla, with tuning slide, 6 keys, cork joints, art ivory head, low pitch	9.00
No. 23364	Key C, Grenadilla, with tuning slide, 6 keys, cork joints, genuine ivory head, low pitch	15.10
No. 23374	Key Db, Grenadilla, with tuning slide, 6 keys, cork joints, genuine ivory head, low pitch	15.10
No. 23534	Key C, Grenadilla, ivory head, 6 keys, cork joints, with tuning slide, in fine case, low pitch	17.60
No. 23334	Key Db, Grenadilla, ivory head, 6 keys, cork joints, with tuning slide, in fine case, low pitch	17.60

VIENNA MODEL ACCORDEONS



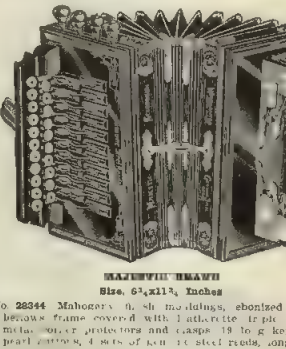
No. 23364½ Size 6x10¾ in. Ebonized case and mouldings. Acme patent adjustable ends and bellows frame tightener, leatherette covered bellows 20 in 12 folds. Metal corner protectors and leather clasps, 19 long pearline tipped keys, 4 sets of reeds and 4 basses. Price $16.30

No. 23374½ Same as No. 23364½ except that it has 1 pearl edge tipped keys 4 sets of reeds and 8 basses. Price 18.30

No. 8244 Size 7x9¾ in. Rosewood finish case, scroll top, 11 substantial bellows folds. "Acme adjustable ends and bellows frame tighteners," leather clasps, 10 long keys, pearl buttons, 2 sets of reeds, 4 basses. Price $11.30

No. 23344½ Same as No. 8244, but has 10 bellows folds. Price 10.25

No. 8254 Same as No. 8244, but with black frame and bellows, and 4 fine steel reeds. Price $12.60



MAJESTIC HEAVY

Size, 6¼x11⅞ Inches

No. 23344 Mahogany finish mouldings, ebonized panels, bellows frame covered with 1 atherette triple bellows, metal corner protectors and clasps 18 long keys with pearl buttons, 4 sets of reeds steel reeds, long model, basses. Each $16.30

No. 23354 Same as above but with 21 keys 16.80

KOHNKE ACCORDEONS

Top 5½x9⅞ Inches

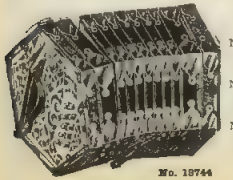
No. 4904 Ebonized frames and keyboards. Imitation oak panels and fine open fretwork, leatherette covered bellows with 10 folds and brass corner protectors, open keyboard, colored metal trimmings and leather clasps. 10 pearl keys, 4 pearl bass keys, 2 sets of reeds. Each.....$19.75

Top 6 to 11½ Inches

No. 4934 Mahogany frames, keyboard and panels with fancy open fretwork fine leatherette bellows with 14 folds and brass protectors, open keyboard, colored metal trimmings and leather clasps. 19 pearl keys, 8 bass keys, 4 sets of reeds. Each.....$33.00

CONCERTINAS

DOUBLE SET REEDS



No. 18744

No. 19024 20 keys, 3⅛ in. red tops, with nickeled ornamental edges, double bellows, nickeled ends and clasps. Price..... $8.85

No. 18724 20 keys, polished tops, bound with silt ornamentations, nickel corners, ... clasps, double bellows. Price. $9.55

No. 18744 20 keys, nickel tops, ... and clasps, heavy bellows frames with nickel protectors. Price..... $10.15

No. 19104

No. 19064 20 white bone numbered keys, Anglo pattern, ebonized and scroll tops, black bellows frame, bushed key holes to prevent rattling, with adjustable leather straps. Each..... $11.90

No. 19104 20 white, red tipped keys, Anglo pattern, rosewood scroll tops with variegated wood inlay around edges, adjustable leather straps, triple bellows, nickeled corners and clasps. Price $11.75

Violins, Bows and Outfits

REGULATION SIZE VIOLINS

Prices are for Violins only

No. 71004 Stradivarius model rich reddish brown color, highly polished, full ebony trimmed. Very good model and full tone of good quality. Each $11.30

No. 81004 Stradivarius model, dark red color, highly polished and full ebony trimmed. Each $11.90

No. 71014 Stradivarius model rich red color, fine quality varnish, very highly finished, flamed back, sides and neck, full ebony trimmed. Each $14.45

No. 24404 Grand Concert branded on back of head an old time favorite. Red brown color, slight imitation old Strad, Model, full ebony trimmed, high polish. Each $18.50

No. 10624 Imported, Stradivarius model, medium red brown varnish shaded and finished in imitation of old, purfling flush inlaid ebony finish fingerboard, tailpiece and pegs, rather large but well cut F holes, gracefully arched and somewhat low. Each $33.10

No. 24614 Bergonzi model, highly flamed maple back and sides with neck to match selected Spruce top, golden red brown translucent varnish, highly polished, French model dull finish pegs, ebony finger board and tail piece $35.50

VIOLINS—THREE-QUARTER SIZE

No. 27264 Stradivarius, flat model, amber color, polished, ebonized fingerboard and pegs, ebony tailpiece. Each $8.75

No. 82764 Stradivarius model, light brown shaded, good model and finish, full ebony trimmed. Each $9.40

No. 24264 Stradivarius model red color varnish, good quality, ebonized fingerboard and pegs, ebonized tailpiece. Each $13.20

No. 24944 Stradivarius model, brown shaded varnish, fine model ebonized fingerboard and pegs, ebony tailpiece. Each $16.30

No. 26344 Stradivarius model, medium red color, shaded, highly polished, ebonized fingerboard and pegs, ebony tailpiece. Each $16.30

No. 29644 Amati model, brown amber color, highly polished, ebonized fingerboard and pegs, ebony tailpiece. Each $26.90

VIOLIN OUTFITS

No. 2344 Violin Outfit consisting of 1 Stradivarius model violin, medium red varnish, full glass finish, purfling inlaid edges, ebonized pegs, tail-piece and fingerboard, 1 Brazilwood finish violin bow, nickel silver lined, pearl inlaid dot, pearl slide and nicks, silver button, 1 violin case, imitation leather, black finish, full flannel lined, nickel clasp, arch handle and trunk latches, 1 set of superfine quality violin strings, 1 piece rosin and 1 instruction book. Outfit complete, price $20.70

No. 2364 Violin Outfit, consisting of 1 Stradivarius model violin, medium red brown varnish, polished, ebonized hardwood fingerboard, tailpiece and pegs, 1 Cocuswood finished violin bow, pearl inlaid dot, nickel silver lined and button and pearl slide; 1 wood violin case, black varnished half lined with flannel, handle and hooks; 1 set superfine quality violin strings, 1 piece rosin and 1 instruction book. Outfit complete ..$23.20

VIOLINS—SMALL SIZES

Imported from Europe

One-Half Size

No. 28144 Stradivarius model, light brown varnish, good model and finish ebonized trimmings. Each $9.40

No. 24944 Stradivarius model, brown shaded varnish, ebonized fingerboard and pegs, ebony tailpiece, good finish. Each $16.30

No. 85244 Stradivarius model, amber color shaded, highly polished, full ebony trimmed. Each $19.85

No. 29344 Amati Model light brown amber color, highly polished ebony trimmed, good workmanship. Each $28.00

VIOLIN BOWS IN REGULATION, THREE-QUARTER AND HALF SIZES

No. 31124 Brazilwood finish, ebony frog, liberty silver lined, pearl inlaid dot, pearl slide, liberty silver button. Each $2.30

No. 1014 Brazilwood, octagon, natural finish, full lined ebony frog with pearl slide and eyes, ebony lined ivory tip, heavy leather grip in two colors, ebony and G. S. button. Each $3.80

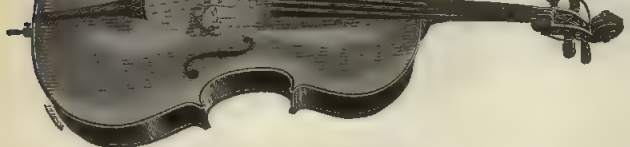
No. 4184 Brazilwood, medium red brown finish, ivory tip, full G. S. lined ebony frog, with Abalone pearl slide and eyes, G. S. and ebony button, silvered thread and leather grip. Each $3.75

No. 2354 Brazilwood, natural finish, ebony lined ivory tip, full G. S. lined ebony frog, Abalone pearl slide and eyes, full G. S. button, silvered thread and leather grip. Each $3.95

No. 38544 Three-quarter size, Brazilwood, ebony frog, liberty silver lined, pearl inlaid dot, pearl slide, liberty silver button. Each ..$2.90

No. 38514 Half size, Brazilwood finish, ivory tip, bookbinders' cloth grip, ebony frog with pearl slide and eyes, liberty silver and ebony button with pearl dot in end. Each $2.90

Violoncellos



Prices Quoted Do Not Include Bows

WITH PEG HEADS

No. 314 Light red color, good quality, inlaid edges. Price $46.50

No. 324 Reddish brown color, good quality, polished, ebony finished fingerboard. Price 50.00

No. 434 Light red color, fine quality, polished, ebony fingerboard and tailpiece. Price 74.00

No. 3134 Guarnerius model, reddish brown color, polished, ebony finished fingerboard and tailpiece. Price 75.50

No. 3194 Stradivarius model, reddish brown color, flamed back, sides and neck, full ebony finish, trimmed, slightly imitation of old, adjustable end pin. Price 101.80

WITH PATENT HEADS

No. 2404 Dark brown color fine quality, inlaid edges, ebony finish fingerboard, brass plated. Price. $51.20

No. 2594 Dark brown color, inlaid edges, superior quality brass plates. Price 83.50

CELLO BOWS

No. 1334 Brazilwood round stick, natural color finish, half lined ebony frog, with pearl slide and eyes ebony end G. S. button, ivory tip, silvered wire grip with leather support and thumb piece. Each $5.40

No. 1344 Brazilwood, round stick, natural color finish, ivory tip, full lined ebony frog with pearl slide and eyes, ebony and G. S. button, silvered wire grip with leather support and thumb piece. Each 6.15

No. 1354 Brazilwood octagon stick, natural finish, ivory tip, full lined ebony frog with pearl slide and eyes, ebony and G. S. button, combination silvered wire and leather grip. Each. 7.70

Music Stands

THE VICTORIA

No. 1434 Iron, japanned, dull black finish. Each $2.10

No. 444 The improved Column music stand, adjustment, nickel plated to the end screws, 61 spring catches. Braces and legs are held firmly by a sliding ferrule. Quickest and easiest stand on the market to open and close. Weight only 25 ounces. Each $3.50

WAFFLE IRONS

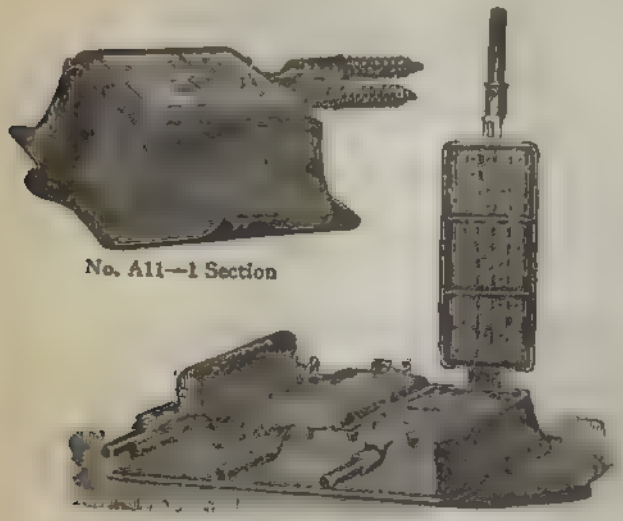
CAST IRON

AMERICAN—REVOLVING

Extra Finished Cast Iron; Black Japanned Rim; Air Cooled Handles on Griddle.

Nos.	A7	A8	A9
Diameter Pan, inches	6¾	7¾	8¾
Diameter Ring, inches	8¾	9⅞	10⅝
For Stoves, No.	7 or 8	8 or 9	9 or 10
Weight per Dozen, lbs.	78	99	120
Per Dozen	$30.50	35.50	41 00

Loose



No. A11—1 Section

No. A13—3 Sections

AMERICAN

Extra Finished Cast Iron; Black Japanned Base; Revolving Pans; Black Enameled Wood Handles.

Nos.	A11	A13
Number Sections	1	2
Size Pan, inches	6¾x6¾	9½x4
Size Cake, inches	3¼x3¼	3x4
Size Frame, inches	10x10	11x12
Weight per Dozen, lbs.	132	186
Per Dozen	$42.00	72.00

Nos	A12	A14
Number Sections	3	4
Size Pan, inches	9½x4	9½x4
Size Cake, inches	3x4	3x4
Size Frame, inches	15x12	19x12
Weight per Dozen, lbs.	270	360
Per Dozen	$110.00	148.00

Loose

WAFFLE IRONS

CAST IRON

DEEP RING

Specially Designed for Gas and Vapor Stoves; Can be Used on Nos. 8 or 9 Coal Stoves or Ranges; Cast Iron Base; Black Japanned Air Cooled Handles on Griddle; Height Over All 4 Inches.

Nos.	A8D	A9D
Diameter Pan, inches	7¾	8¾
Diameter Base, inches	10½	12¼
Weight per Dozen, lbs.	127	162
Per Dozen	$45.00	58.00

Loose

ALUMINUM

AMER CAN—REVOLVING

Cast Aluminum Waffle Mould; Air Cooled Handles on Griddle; Cast Iron Base; Black Japanned.

Nos.	A606	A609
Diameter Pan, inches	7¾	8¾
Diameter Ring, inches	9⅞	10⅝
For Stoves No.	8 or 9	9 or 10
Weight per Dozen, lbs.	90	110
Each	$6.00	7.00

Loose

DEEP RING

Specially Designed for Gas and Vapor Stoves; Can be Used on Nos. 8 or 9 Coal Stoves or Ranges; Cast Aluminum Waffle Mould; Air Cooled Handles on Griddle; Cast Iron Base; Black Japanned; Height Over All 4 inches.

Nos.	A618	A619
Diameter Pan, inches	7¾	8¾
Diameter Base, inches	10½	12¼
Weight per Dozen, lbs.	120	150
Each	$6.50	7.70

Loose

CAST IRON GEM PANS

These Bake Pans Hold Heat Much Longer than Sheet Metal and Are Preferred by Many on this Account.

Per Dozen
No. G1—11 Cells, Size 11⅛x7¾ inches; Diameter of Cells 2½ inches; Depth ¾ inch; Weight per Dozen, 42 lbs. **$14.50**
Loose

Per Dozen
No. G3—11 Cells; Size 12⅛x8⅛ inches; Diameter of Cells 3 inches; Depth ¾ inch; Weight per Dozen, 45 lbs. **$14.50**
Loose

Per Dozen
No. G5—8 Cells; Size 12x7⅛ inches; Size of Cells 3¾x2⅝ inches; Depth ¾ inch Weight per Dozen, 39 lbs. **$14.50**
Loose

Per Dozen
No. G6—12 Cells; Size 13x7½ inches; Size of Cells 2⅝x1⅞ inches; Depth ½ inch; Weight per Dozen, 42 lbs. **$14.50**
Loose

Per Dozen
No. G8— 8 Cells; Size 12¾x6¾ inches; Diameter of Cells 3 inches; Depth ⅜ inch; Weight per Dozen, 39 lbs. **$14.50**
Loose

Per Dozen
No. G9—12 Cells; Size 10⅜x7 inches; Diameter of Cells 2⅛ inches; Depth 1 inch; Weight per Dozen, 40 lbs. .. **$14.50**
Loose

Per Dozen
No. G10—11 Cells; Size 10⅛x7⅛ inches; Diameter of Cells 2½ inches; Depth 1¾ inch; Weight per Dozen, 40 lbs. **$18.00**
Loose

Per Dozen
No. G11—12 Cells; Size 11⅝x8⅞ inches; Size of Cells 3x1⅞ inches; Depth ⅞ inch; Weight per Dozen, 51 lbs. **$14.50**
Loose

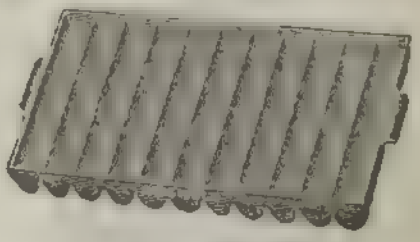
CAST IRON GEM PANS

These Bake Pans Hold Heat Much Longer than Sheet Metal and Are Preferred by Many on this Account.

Per Dozen
No. G18—6 Cells; Size 8½x5 inches; Diameter of Cells 2½ inches, Depth 1¾ inch; Weight per Dozen, 40 lbs. **$12.50**
Loose

Per Dozen
No. G20—11 Cells; Size 10⅝x7½ inches, Diameter of Cells 2 inches Depth ¾ inch; Weight per Dozen, 40 lbs. **$14.50**
Loose

CAST IRON BREAD PANS



BREAD STICKS

Per Dozen
No. G22—11 Cells; Size 13⅛x7⅛ inches; Size of Cells 7x1⅛ inches; Weight per Dozen, 66 lbs. **$18.00**
Loose

CAST IRON CORN BREAD PANS

KRUSTY KORN KOBS

Per Dozen
No. KKK—7 Cells; Size 14½x7 inches; Size of Cells 6¾x1¾ inches; Weight per Dozen, 65 lbs. **$21.50**
Loose

SOAPSTONE GRIDDLES

ROUND

Soapstone ⅛ inch Thick; Galvanized Wire Handles; Galvanized Steel Bound

Nos.	10	12
Diameter, inches	10	12
Weight per Dozen, lbs.	72	100
Per Dozen	**$25.00**	**31.00**

Loose

OBLONG

Soapstone ⅛ inch Thick; Galvanized Wire Handles; Galvanized Steel Bound

Nos.	918	1020
Size, inches	9x18	10x20
Weight per Dozen, lbs.	132	150
Per Dozen	**$38.50**	**46.50**

Loose

FIRE EXTINGUISHERS

Accurate

Guardene

Phomene

Accurate.—Tank equipped with a double acting brass pump which throws a powerful, steady stream 40 feet. Filled with plain water, to which is added Pyrene "Freeze-Proof." Replaces soda and acid extinguishers where there is danger of freezing.

Guardene.—Cold-rolled copper tank tested to 350 pounds pressure, only subjected to 100 pounds. The Guardene soda and acid charge is used.

Phomene. Cold rolled copper tank. Produces 22 gallons of foam with a stream 25 to 35 feet. Extinguishes burning oil, grease, enamel, tar, wax, shellac, lacquers, inflammable solvents or chemicals. Foam type. Replaces soda and acid extinguishers.

Badger

Pyrene

Pyrene Recharges

Badger.—Copper tank, uses a soda and acid charge. Standard equipment in homes, schools, warehouses, etc.

Pyrene.—Double acting pump throws a steady continuous stream, of a non-conductive liquid blanketing a fire of oil, gasoline or electrical origin. Ideal for protection of homes, schools and automobiles. Complete with hanging bracket.

Name	Capacity	Empty	Charged	Packed	Ship. Wt.	Each	Brass	Nic. Plated
Accurate	5 gals.	13 lbs	53 lbs.	1	15 lbs.	**$18.00**	....	....
Guardene	2½ gals.	18 lbs.	40 lbs.	1	20 lbs.	**20.00**		
Phomene	2½ gals.	20 lbs.	45 lbs.	1	26 lbs.	**25.00**		
Badger	2½ gals.	18 lbs	23 lbs.	1	20 lbs.	**15.00**		
Pyrene	1 pint	.	. .	12	62 lbs.	..	**9.00**	**10.00**
Pyrene	1 quart	... .	. .	6	45 lbs.	..	**12.00**	**13.00**
Pyrene	1½ quarts	.. .	. .	12	144 lbs.	.	**15.00**	**16.00**

RECHARGES FOR FIRE EXTINGUISHERS

Extinguisher	For	Charge	Packed	Wt. Per Chge	
Accurate 2	—10°	15 lbs.	12	83 lbs.	**$2.10**
Accurate 3	20	20 lbs	12	83 lbs	**2.80**
Guardene	.....	.....	24	65 lbs.	**.75**
Phomene	.....	.....	12	62 lbs.	**1.75**

Accurate Chemical is in 5 pound cans

Extinguisher	Size	Packed	Weight Per Can	
Pyrene (Auto)	1 qt.	20	41 lbs.	**$0.90**
Pyrene	1 qt	20	78 lbs	**1.80**
Pyrene	1½ qt.	10	59 lbs.	**2.70**

Guardene recharges are used in Badger Extinguisher

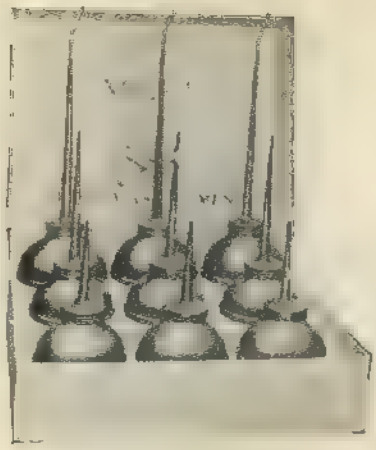
STEEL OILERS

Nos. 12 to 14A

Nos. 14AA, 14B

Nos. 15 to 16

Nos. 10, 11



No. 53 Assortment

Machine Oilers

Collar and dome of one piece, copper plated inside and outside. No solder used in assembling. Spring bottom.

No.	Capacity	Diam.	Spout	Packed	Weight	Per Doz.
12	¼ pint	2⅜ in.	3 in. st.	1 doz.	2¼ lbs.	**$4.50**
13	⅓ pint	3½ in.	3 in. st.	1 doz.	2¾ lbs.	**5.50**
13A	⅓ pint	3½ in.	5 in. st.	1 doz.	3 lbs.	**6.00**
14	⅓ pint	3½ in.	9 in. bt.	1 doz.	3¼ lbs.	**6.50**
14A	½ pint	3¾ in.	3 in. st.	1 doz.	3¼ lbs.	**7.50**
14AA	½ pint	3¾ in.	5 in. st.	1 doz.	3½ lbs.	**8.00**
14B	½ pint	3¾ in.	9 in. bt.	1 doz.	3¾ lbs.	**8.50**
15	1 pint,	4¼ in.	3 in. st.	1 doz.	3¾ lbs.	**9.25**
15A	1 pint	4¼ in.	5 in. st.	1 doz.	4 lbs.	**9.75**
16	1 pint	4¼ in.	9 in. bt.	1 doz.	4¼ lbs.	**10.50**
53 Assortment. 3 each, Nos. **13, 13A, 14, 14A**				1 asst.	3½ lbs.	Each **$8.50**

Railroad Oilers

Made in two parts of .035 inch cold rolled steel, copper plated inside and out. Spout connections made with a union to permit spout to be turned in any direction.

No.	Capacity	Diam.	Spout	Packed	Weight	Per Doz.
10	1 pint	3¾ in.	12 in.	½ doz.	4½ lbs.	**$14.00**
11	1 quart	4⅛ in.	18 in.	½ doz.	6 lbs.	**18.00**

No. 210

ENGINEER'S FILLERS

Cold rolled steel, copper plated inside and out

No.	Capacity	Diameter	Packed	Weight	Per Doz.
19A	1½ pint	4⅝ in.	⅓ doz.	5¼ lbs.	**$17.00**
210	1 quart	5 in.	½ doz.	5½ lbs.	**20.00**

Fine Swiss Split and Sweep Second Timers and Chronographs

All prices on Swiss Watches are subject to change without notice. No Timers or Chronographs sent out on memorandum.

C. L. GUIMAND'S SPLIT FIFTH-SECOND HORSE TIMERS, 30 MINUTE REGISTER

High grade, nickel, 7 jeweled lever movement running of movement does not stop in operating hands. Thoroughly reliable, best on the market.
No. 1709 Nickel bascine case, 7 jewel..$32.50
No. 1710 Gun metal case, 7 jewel. 33.50

Same style, 25 year case, 15 jewel lever movement
No. 1711 25 year case, 15 jewel. $50.00

NICKEL OPEN FACE JOCKEY CLUB SPLIT SECOND TIMER

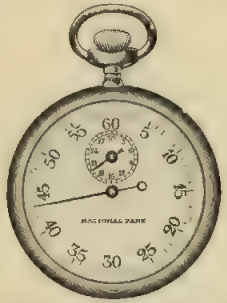
Nickel plain polished case. Movement is continuous running—does not stop when you stop the hands. Start, stop and flyback operated with the crown, split hand, with the plug at the side. Dial divided in fifth of seconds.
No. 1712 Nickel case, 7 jewel.....$31.50

NATIONAL PARK CHRONOGRAPH WITH 30-MINUTE REGISTER, NEW THIN MODEL

Beats 1/5 second, start, stop and flyback, fine nickel lever movements
No. 1713 Nickel case 15 jewels $40.00

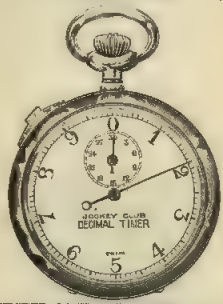
NICKEL OPEN FACE JOCKEY CLUB HORSE TIMER WITH 30-MINUTE REGISTER

Nickel plain polished case. Start, stop and flyback operated from the crown. Dial divided in fifths of seconds
No. 1714 Nickel case, 7 jewel..... $17.00



NATIONAL PARK HORSE TIMERS WITH 30-MINUTE REGISTER AND FIFTH-SECOND JEWELED LEVER MOVEMENT

No. 1715 With nickel case..... .. $17.00



NICKEL OPEN FACE JOCKEY CLUB DECIMAL TIMER FOR FACTORY USE

Nickel, plain polished case. For the professional rate setter. It has the "take out timer feature" and stem actuated set back, the start and stop operated with the plug at the side. Dial divided in one-hundredths of a minute
No. 1716 Nickel case, 7 jewel.. . . $18.20

NICKEL OPEN FACE JOCKEY CLUB FOOT-BALL TIMER WITH 30-MINUTE REGISTER

Nickel plain polished case. Start and stop operated with lever at the side, flyback with the crown. Dial divided in fifths of seconds
No. 1717 .....$16.20

TIMER FOR ALL SPORTS

Can be used for football, track events, hockey, etc. Nickel jeweled lever movement, 1-5 second, 15-minute register, starts, stops and starts without flying back or will fly back when desired
No. 1718 Nickel case.. .. . . . .$18.00

STANDARD EXCELSIOR CHRONOGRAPHS
Fifth-Second; Start, Stop and Flyback from Crown. American Made.

Sixteen size, open face, 15 jewel, nickel movement, interchangeable train bearing in metal settings. Fully guaranteed. Cases made in screw back and bezel.
No. 1719 7 jewel, nickel case, plain $21.50
No. 1720 15 jewel, nickel case, plain 25.40
No. 1721 7 jewel 20 year case, plain . 26.00
No. 1722 15 jewel, 20 year case, plain.. 33.50

Every dealer should be interested in supplying seasonable oil to his customer.

Winter motoring demands the use of an oil possessing a very low cold test—else much damage to bearings and cylinder walls is sure to result.

SUPREME AUTO OIL—*Flows Freely at Zero* starts with the engine—lubricates thoroughly and continuously.

The dealer who stocks SUPREME AUTO OIL is sure of a steady flow of customers.

For Particulars Address Our Nearest Office

GULF REFINING COMPANY

General Sales Offices: Pittsburgh, Pa.

District Sales Offices:

New York **Philadelphia** **Boston**
Atlanta **New Orleans** **Houston**

flows freely at Zero.

THIS SYMBOL IN ANY ADVERTISEMENT MEANS: SEE "CHILTON AUTOMOBILE DIRECTORY" FOR COMPLETE BUYING INFORMATION

Prices on Application.

Louisville Slugger Base Ball Bats

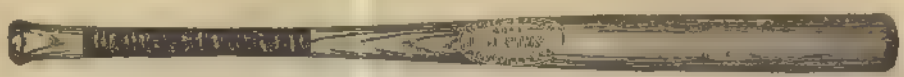
Made by hand, of extra selected second growth, north side mountain white ash, straight grain and are exact duplicates of models as used by all the leading Sluggers of the Base Ball World.

HARRY HEILMAN MODEL

No. 40HH—Exact model used by Harry Heilman, one of the leading sluggers of the American League; made of extra selected second growth Ash, turned by experts; old Ash finish; highly polished; thin, special taped handle; fairly small barrel; made in assorted weights and lengths, 32 to 36 inches .....per dozen *$24.00*

KEN WILLIAMS MODEL

No. 40KW—Exact model used by Ken Williams, the leading home run slugger of the St. Louis Browns; most popular model among professional players; made of extra selected second growth Ash, turned by experts; dark brown finish, highly polished; medium handle; large barrel; made in assorted weights and lengths, 32 to 36 inches, per dozen .....per dozen *$24.00*



FRANK FRISCH MODEL

No. 40FF—Exact model used by Frank Frisch of the New York Giants; made of extra selected second growth Ash, turned by experts; burnt oil finish; medium handle and barrel; a well balanced Bat; taped handle; made in assorted weights and lengths, 32 to 36 inches .....per dozen *$24.00*

No. 125—Oil Tempered, hand turned by experts from extra selected second growth mountain Ash, golden finish, cured in oil; lengths 32 to 36 inches .....per dozen *$24.00*

ALL ABOVE, ONE IN A PAPER BAG

Prices on Application.

LOUISVILLE SLUGGER BASE BALL BATS

Made by hand, of extra selected second growth, north side mountain white ash, straight grain and are exact duplicates of models as used by all the leading Sluggers of the Base Ball World.

TY COBB MODEL

No. 40TC—Highly polished, golden finish; thin handle with gradual tapered barrel; exact model used by Cobb for 12 years; none genuine without registered trade mark photo and autograph transfer of Ty Cobb; lengths 32 to 36 in., assorted weights ..... per dozen $24.00

TY COBB, JUNIOR MODEL

No. 40TCJ—Highly polished, flame burnt finish, transfer; Junior size, length 32 in. ..... per dozen $12.00

BABE RUTH MODEL

No. 40BR—Exact model used by Babe Ruth; oil-tempered finish; Babe Ruth registered trade mark on each bat, lengths 32 to 36 in. ..... per dozen $24.00

BABE RUTH, JUNIOR MODEL

No. 40BRJ—Highly polished, flame burnt finish; Babe Ruth registered trade mark on each bat, length 32 in., per dozen $12.00

GEORGE KELLY MODEL

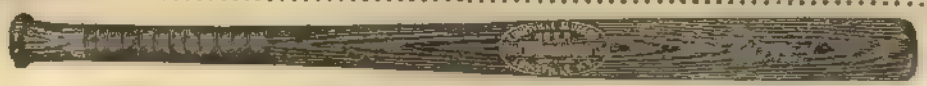
No. 40GK—Exact model used by George Kelly, oil tempered finish. George Kelly registered trade mark on each bat, lengths 32 to 36 in. ..... per dozen $24.00

GEORGE SISLER MODEL

No. 40GS—Silver bronze body; one of the most popular models used; none genuine without registered trade mark photo and autograph transfer of George Sisler; lengths 32 to 36 in. ..... per dozen $24.00

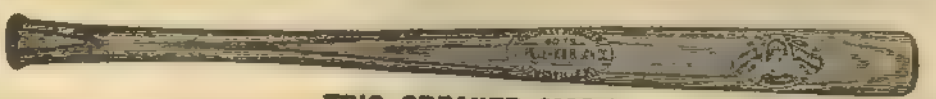
EDDIE COLLINS MODEL

No. 40EC—Highly polished, flame burnt, orange finish; small handle, well proportioned and easily handled; none genuine without registered trade mark photo and autograph transfer of Eddie Collins; lengths 33 to 36 in., per dozen $24.00



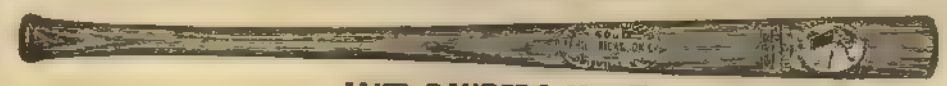
EDDIE ROUSH MODEL

No. 40ER—Highly polished, special burnished, dark finish. Medium size taped handle, golden knob; none genuine without registered trade mark photo and autograph transfer of Eddie Roush; lengths 32 to 36 in., assorted weights, per dozen $24.00



TRIS SPEAKER MODEL

No. 40TS—Highly polished; special flame burnt golden finish; none genuine without registered trade mark photo and autograph transfer of Tris Speaker; lengths 32 to 36 in., assorted weights ..... per dozen $24.00



JAKE DAUBERT MODEL

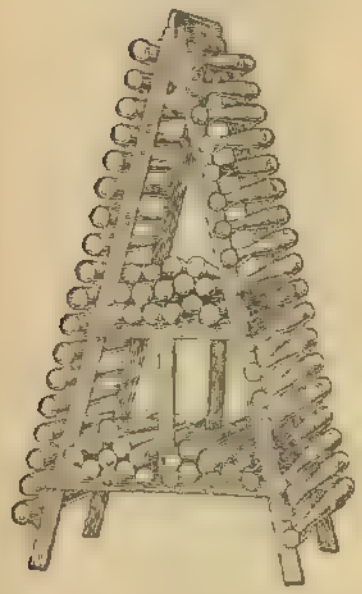
No. 40JD—Thin handle, body well balanced, new brown flint finish; none genuine without registered trade mark photo and autograph of Jake Daubert; lengths 33 to 36 in., assorted weights ..... per dozen $24.00

ALL ABOVE, ONE IN A PAPER BAG

Prices on Application

GOLDSMITH BASE BALL ACCESSORIES

BAT RACKS



No. T75—Holds 144 bats, height 60 in., base 22x35 in., w't each 50 lbs., each $7.0

K. D. ONE IN A CRATE

HOME PLATES

No. F1R—Rubber Home Plate; best grade white rubber; regulation size and shape, 8½x17x12 in., ¾ in. thick; with five lugs and steel spikes, each★ $12.00

PITCHERS' PLATES

No. F2P—Rubber Pitcher's Box; best grade white rubber; regulation size, 24.6 in., ¾ in. thick; complete with three lugs and steel spikes, each★ $9.00

BASES

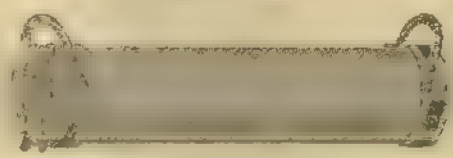
No. F101—Extra heavy; 16 oz. white canvas firmly stuffed; quilted top; two halter web straps, with wrought steel spikes; complete, per set of three★ $17.00

No. F1D—Extra heavy, 16 oz. white canvas; firmly stuffed; quilted top; one heavy halter strap, with wrought steel spikes complete, per set of three★ $12.50

No. F1—Heavy white canvas, firmly filled; plain top; complete with strap and spikes, per set of three★ $10.50

No. F2—Heavy white canvas, not stuffed; complete with spikes and halter strap, per set of three★ $7.50

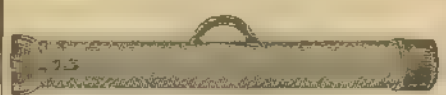
BAT BAGS



Made of extra heavy canvas, leather ends, 2 rounded handles on ends.

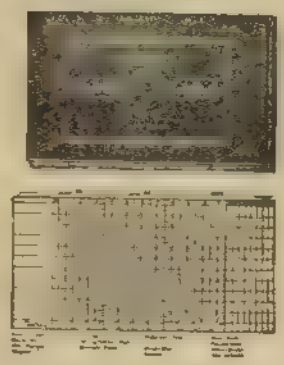
No. F12—Will hold 12 bats, each★ $8.00

No. F6—Will hold 6 bats, each★ $6.00



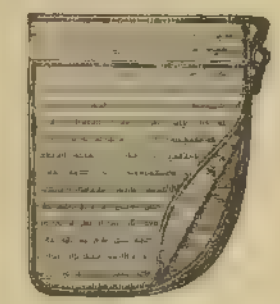
No. F5B—Made of heavy tan canvas, leather ends, rounded handle; will hold 2 bats★ .....each $3.00

SCORE BOOKS



No. 5—Club Size; cloth cover; sixty games .....each $1.00

SLIDING PADS



No. F6—Made of cotton quilted sateen; prevents burning when sliding; tie around the waist; light in weight and will not bind★ ...per pair $3.00

No. F4—Good quality heavy gray felt; made to tie around waist, per pair★ $2.00

No. F3—Made of durable material, well quilted; button around waist; a good medium priced pad, per pair★ $1.75

UNIFORM BAGS

No. F150—Made of heavy colored Canvas with compartment for shoes and has extra cloth curtains, Leather handles and trimmings, each★ $6.50

★ Items Marked Thus ★ Are Shipped From Factory Only.

Prices on Application.

HILLERICH & BRADSBY STANDARD BRANDED BASE BALL BATS

PROFESSIONAL LEAGUE, TAPED

No. 18—Made of second growth ash, 32 to 36 in. long, straight grain, hand turned, golden finish, highly polished, taped handle, made in 12 models, transfer, assorted weights ..... per dozen $18.00

PROFESSIONAL LEAGUE

No. 19—Made of second growth ash, straight grain, 32 to 36 in. long, hand turned, flame burnt, shellac finish, highly polished, transfer, made in twelve models, assorted weights .....per dozen $18.00

BURNT OIL FINISH, TAPED

No. 16—Made of second growth ash, 32 to 35 in. long, new special burnt oil finish, hand turned, highly polished, transfer, made in 12 models, taped handle, assorted weights ..... per dozen $15.00

WILLOW FUNGO

No. 24—Made of willow, for fungo hitting only, 34 to 36 in. long, golden finish, black handle, highly polished, per dozen $12.00

KING OF THE FIELD

No. 12—Made of second growth ash, 32 to 35 in. long, new golden finish, highly polished, with new transfer, per dozen $12.00

SEMI-PRO

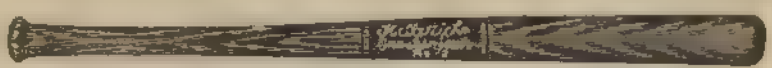
No. 11B—Made of second growth ash, 32 to 35 in. long, assorted brown finished barrel, natural finished handle, center taped, highly polished, with transfer, branded "Semi-Pro" .....per dozen $12.00

PATENTED BURNISHING FINISH

No. 42—Youth's size; patented burnished finish, golden handle, highly polished; length 32 in. .....per dozen $9.00

JUNIOR LEAGUE

No. 4—Youth's bat, made of ash, 32 in. long, flame burnt, golden finish, highly polished .....per dozen $6.00



HILLERICH'S CRACKERJACK

No. 2—Made of ash, boy's bat, 28 in. long, green stain, highly polished .....per dozen $3.00

ABOVE ARE ONE IN A PAPER BOX EXCEPT NOS. 2, 4, 42

Photograph by Baron de Meyer

PARIS gowns — who buys them? Fifth Avenue shops — who patronizes them? The news of Society, Art, Antiques—who is interested? Yes, it is a very definite appeal Harper's Bazar makes, and the sort of people who respond to this appeal are the most influential in starting a demand for things — whether it be a fashion, a fabric or a motor-car.

Harper's Bazar

Your copy of The Indianapolis Radius Book, the book of facts on the Indianapolis market, is ready for you. Send for it.

your copy

IN Indianapolis, they are "sold" on the round butter crackers.

Seventy miles away, still in the Indianapolis trading territory, at Terre Haute, the demand is for square, salty crackers.

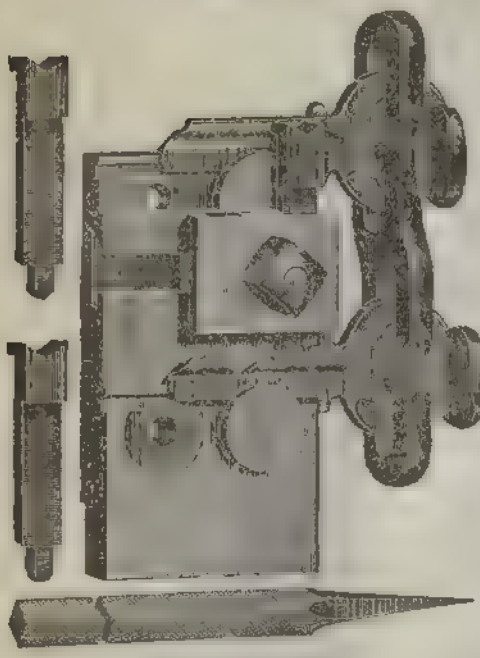
At one point in the Indianapolis Radius, they buy 2 for 15c. cigars. At another point, the smokers take their cigars in units of five and ten cents straight. At still another, the popular sellers are stogies.

Each market in the United States is as peculiar and as different as an individual. And the parts of a city market also vary.

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE.

KEY CUTTING MACHINES

FOR CYLINDER KEYS ONLY



HARRISON

This Machine can be Clamped in Any Vise.

Made of Steel, Milled to its Shape, Making its Accuracy Positive.

An Accurate Key Cutting Machine at a Reasonable Price. The Gauge Pins are Tempered so Hard that they Cannot be Filed; Making it Impossible to Wear Them Out

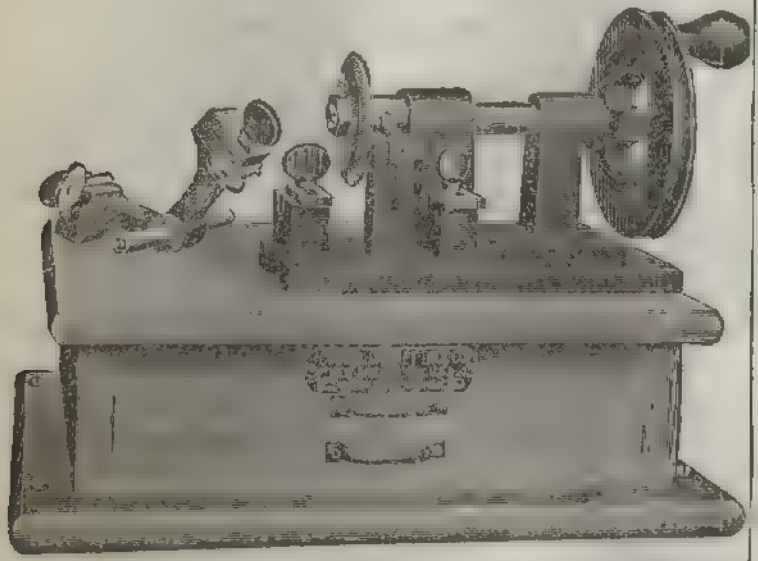
Cut Shows Gauge Pins Furnished with Each Machine, One for V Groove and One for Round Groove.

Each

No. MIP—1½x2¾ inches, Polished Steel, Brass Thumb Nuts for Holding Keys; Bow Clamp is Made of Iron, Japanned, with Japanned Thumb Screws..... $10 00
One in a Box, Weight Each 1 lb.

FILES

No. HF—Special Diamond Files for Use with No. MIP Machine.. 1.00
Twelve in a Box; Weight per Box 1 lb.



CORBIN

Handsomely Finished Hardwood Cabinet, 13½ inches Long; 12½ inches Wide and 4½ inches High, with Two Drawers Partitioned off to Keep Keys Separated. Can be Operated by Hand or by Belt. Will Accurately Cut Keys for all Pin Tumbler Locks.

Each

✣No. 9101—Complete Cabinet, Machine and Twelve Dozen Assorted Cylinder Key Blanks..... $70.00
One in a Case; Weight each, 55 lbs.

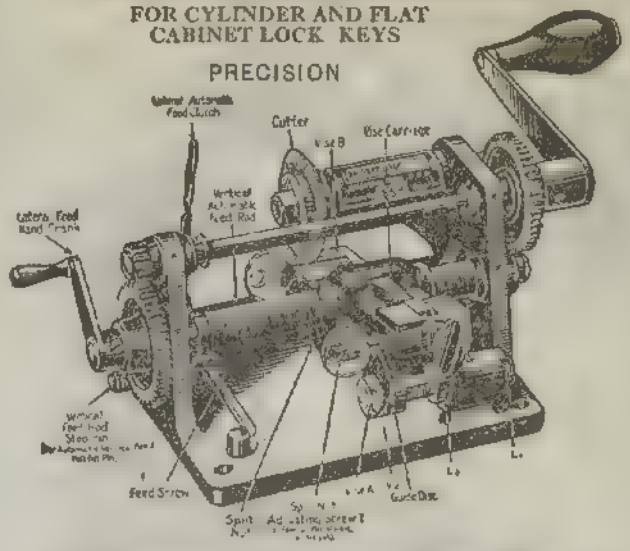
✣No. 9101½—Machine Only, Without Cutters or Keys..... 45 00
One in a Case; Weight each 55 lbs.

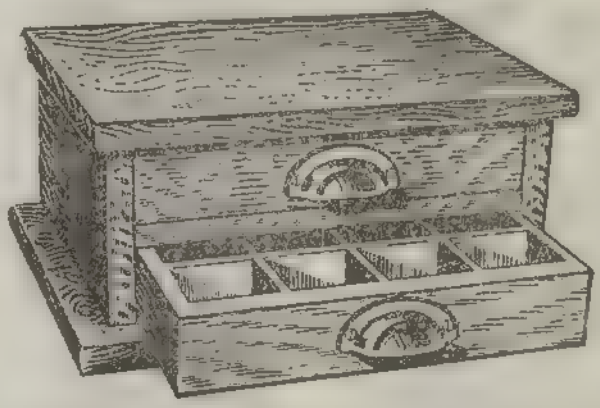
✣No. EC9101—Extra Cutting Wheels for Above Machine..... 6.00
One in a Box; Weight, Each 1 lb.

KEY CUTTING MACHINES

FOR CYLINDER AND FLAT CABINET LOCK KEYS

PRECISION



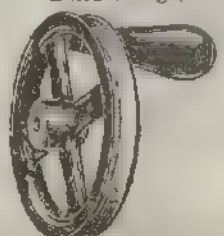


An Automatic Key Cutting Machine, Operated by Hand or Power Cuts an Exact Duplicate of Key without Tracing or Marking Pattern Key; All Types of Pin Tumbler Cylinder Keys Are Cut with the Same Cutter; the Sharpest V Shape Notches Are Cut as Easily as the Round U Shape Notches and without Changing Cutter. No Skill or Experience is Required; Misfits and Injured Originals Are Impossible with this Machine. Will Cut Keys at the Rate of One per Minute.

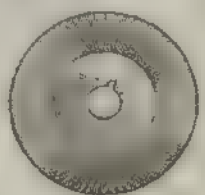
Will Duplicate Any Pin Cylinder Lock Key from Original or Pattern Key; Will Also Cut Flat Cabinet Lock and Other Keys Having Square Bottomed Bits. Occupies a Space Only 8x13 inches; Can Be Fastened to Counter, Work Bench or Key Blank Cabinet. Weight Packed for Shipment, 15 lbs.

Each

✣Precision—Machine (without Cabinet) Complete with One Bevel Cutter and Guide Disc and Hand Crank (or if so Specified Hand Crank with Power Wheel Will Be Furnished without Extra Charge)..... $70.00
One in a Box



Hand Crank with Power Wheel



Extra Cutter

Extra Guide Disc

Each

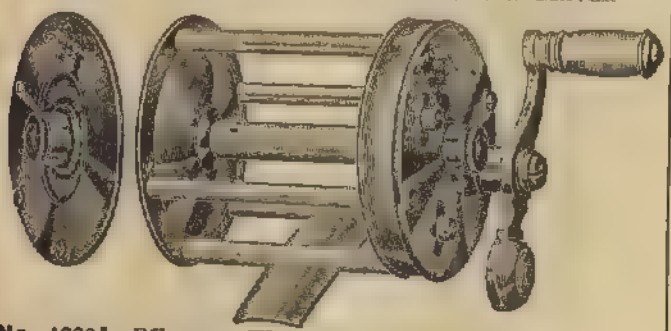
✣Hand Cranks..... $2.50
✣Hand Cranks, with Power Wheels..... 3.50
✣Bevel Edge Cutters..... 5.00
✣Square Edge Cutters 14, 15, 16, 17, 18, 19 or 20 Gauge..... 3.50
✣Bevel Edge Guide Discs..... .50
✣Square Edge Guide Discs, 14, 15, 16, 17, 18, 19 or 20 Gauge.... .30
✣Complete Sets Square Edge Cutters with Discs, 8 Gauges of Each; Including All Gauges Except 18, which Is Provided with Machine..... 20.00
Loose

Items Marked ✣ Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory

FISHING REELS

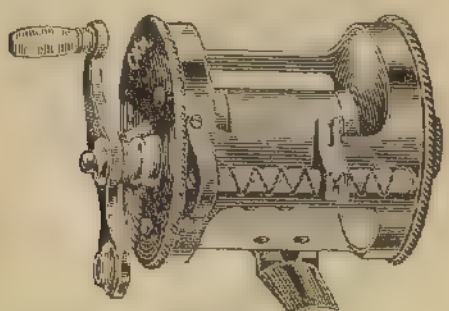
No. 1573—Pflueger—Supreme Level Winding, free Spool and Anti-Back-Lash Casting Reel Quadruple.
Easy to oil bearings without removing any of the parts.
Generated Spiral Tooth Gears
Bronze Bushed for Bearings
Steel Pivots, Highly Polished
Adjustable Front Sliding Drag
Pyralin Amber Fluted Handle
Silverine finish, capacity 60 to 100 yards, according to size line used. Size 1⅞ in. Pillar, 2¼ in. disc., ea. $33.30

ONE IN A CHAMOIS BAG, WITH ONE SCREW DRIVER



No. 1823J—Pflueger—Worth:
German Silver and treated to prevent tarnish.
Generated Spiral Tooth Gears.
Bronze Bushed for Bearings.
Ad. Front Sliding Phosphor Bronze Goose Neck Click.
Adjustable Front Sliding Drag.
Front and Back Fancy Adjustable Oil Cups with Scarlet Genuine Agate Jewels.
Patented Adjustable Spring Tension Cups.
Steel Pinion and Steel Pivots, Highly Polished.
Single Handle Crank, Balanced.
Pyralin Ivory Handle.
1⅞ inch Pillar, 2 inch Disc., cap. 60 yds. ...each $13.30

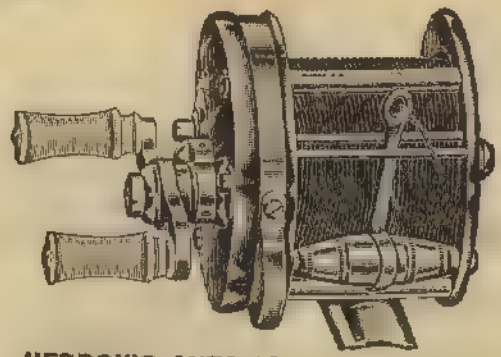
ONE IN A FANCY BOX



OKEH LEVEL WINDING

Unsurpassed for consistency of good casting. Quadruple multiplying, cork arbor, ivory handles, capacity 80 yards.
No. 3981—Free spool .....each $20.00
No. 3982—Double handle .....each 16.00

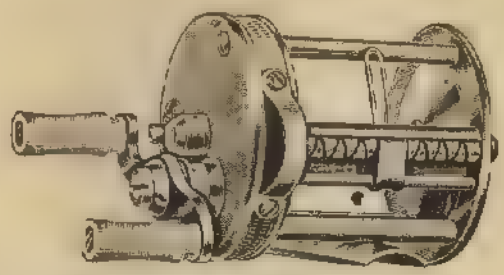
ONE IN A BOX



HEDDON'S AUTO-SPOOLER REELS

Construction of the spooling device is sturdy—producing minimum amount of friction and practically unlimited life.
The kite-wind spool, much the same as one would make by hand, is always constant and relieves the angler from attention to spooling.
No. 4-18—Solid german silver frame, phosphor bronze gears, quadruple multiplier; built in No. 4 size frame, the spool holds 50 yards of No. 20 test and 75 yards of No. 15 test line, length of spool 1⅞ in, diam. 1⅞ in., equipped with Heddon designed double handle; Heddon's oiling system, completely oiling the reel without taking it down .....each $24.00

ONE IN A BOX



HEDDON'S LEVEL WINDING

A Level Winding Reel that is up to the recognized high standard of Heddon quality in every respect. New and patented features such as the Steady Bar (patent applied for), an improved, exceedingly strong, and silent gear train; a stabilized line carriage, and a perfect screw housing guarantee its correct functionmg and satisfactory service.

Full quadruple multiplying, with exactly the correct ratio of speed between the spool and line carriage to produce that criss-cross or "kite winding" of the line which so effectually presents back-lashing Spiral gears, of a special hard drawn phosphor bronze are so novelly arranged that they are much stronger than are ordinarily used, and also make it possible to avoid the objectionable construction of placing the spool off the center of the reel. Smaller in size, lighter in weight, it nevertheless has a spool capacity of 100 yards of 15 pound test line. Smooth velvet finish that is practically indestructible. Equipped with Heddon designed double handle. Heddon's oiling system, completely oiling the reel without taking it down.

No. 3-35LW—Made of the best, tested, hard drawn, watch nickel; stud, shaft, pivots and pinion made of Stubbs' drill rod, hardened, oil tempered, ground and polished to size $35.00

ONE IN A CHAMOIS BAG

FISHING REELS

QUADRUPLE MULTIPLYING

SOUTH BEND, ANTI-BACK LASH

A guarantee for one year with each reel. This reel is the only one of its kind made which has a brake that works automatically with the proper force as the line slackens at the end of the cast.

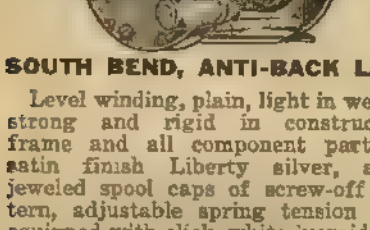
The spool and gear journals are of special steel, accurately turned ground, lapped and burnished to mirror like surface, turning in solid phosphor bronze bushings.

The gearing is of special hunting tooth tram, the gear of which is cut from hard drawn brass, the pinion from special tool steel.

Can be used with or without back lash as desired.

No. 399—100 yds., 1⅝ in. pillar, 2 in. in diameter, jeweled bearings, hand polished, solid German silver, balanced white bone handle with back sliding click .....each $16.60

ONE IN A BOX



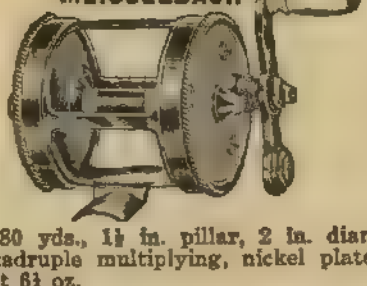
SOUTH BEND, ANTI-BACK LASH

Level winding, plain, light in weight, strong and rigid in construction, frame and all component parts of satin finish Liberty silver, agate jeweled spool caps of screw-off pattern, adjustable spring tension grip, equipped with click, white ivoroid double grips. Envelope with directions containing a watch charm screw driver and one extra pawl, with each reel.

No. 499—Capacity 100 yds., measured by standard 16 or 20 lb. test silk line .....each $33.30

ONE IN A BOX

MEISSELBACH



80 yds., 1½ in. pillar, 2 in. diam., quadruple multiplying, nickel plated, w't 6½ oz.

No. 3580—Tri-part .....each $7.20
No. 3680—Freespool .....each 9.40

ONE IN A BOX

80 yds. 1⅝ in. pillar, 2 in. in diam., quadruple multiplying, tubular frame, made off solid piece of tubing, with flat cross bars, no screws or rivets to work loose, steel pivots and gears, solid steel shaft, rear sliding click, highly nickeled finish with German silver spool, w't 7½ oz.

No. 3780—Take-a-part, each $8.80
No. 3980—Free-spool Take-a-part, each $10.60

ONE IN A BOX

MEEK'S BLUE GRASS

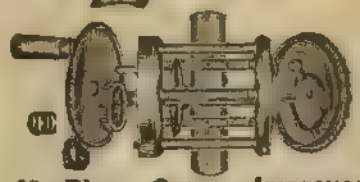
SIMPLEX, 100 yds., 1⅝ in. spool, triple multiplying, with thumb rest, easily taken apart by unscrewing cap on back end and thumb nut on front end, back sliding click off oil tempered steel, brass and German silver, all brass parts finely nickel plated, w't 7 oz.

No. 34 Reel is the Free Spool Model for easy casting. The Free Spool Mechanism is the Clutch Principle and Automatic in its Action. The Act of Casting Automatically Disconnects the Gearing from the Spool. The Gearing is Automatically Reconnected to the Spool by the Act of Winding in the Line.

No. 33—Each $16.00
No. 34—Free-spool .....each $17.30

ONE IN A BOX

MEEK'S BLUE GRASS



No. 25—Blue Grass Improved, 85 yds., quadruple multiplying, German silver, "take-apart," of new designs, outside diam. 1 15/16 in., diam. of spool 1⅜ in., length of spool 1½ in. .....each $20.00

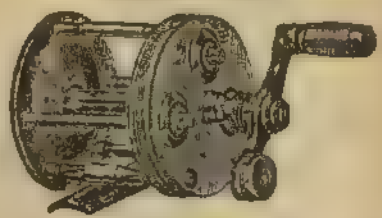
ONE IN A BOX

100 yds., 1⅝ in. spool, quadruple multiplying, special hand cut gears, tempered tool steel pivots and studs, balanced ivory handle, front sliding click and drag, screw-off oil caps, German silver, perfect workmanship and adjustment, w't 8 oz.

No. 3—Each $26.60
No. 3J—Jeweled bearings, each $33.30

ONE IN A BOX

GENUINE MEEK



80 yds. No. 4 braided silk line. Diameter end plate, 2 inches. Length spool 1⅜ inches. Diameter of spool head, 1⅛ inches.

No. 3M—German silver reel, balance handle forward, click or click and drag, screw-off caps, each $40.00
No. 3MJ—Same as No. 3M except made with jeweled pivot bearings, each $48.00

Mr. Howard Heinz, President of the H. J. Heinz Company, has just signed a five-year contract for our entire service.

About 30 years ago, when Street Car circulation figures were in the *millions*, instead of the *billions* of these years, Mr. H. J. Heinz, the founder of the business, made his first Street Car advertising contract. He became a large user and firm friend of the medium.

The new contract is an attestation of the value of Street Car advertising by the present generation.

STREET RAILWAYS ADVERTISING CO.

Central Office
Borland Bldg., Chicago

Home Office
Candler Bldg., N. Y.

Western Office
Monadnock Bldg., San Francisco

CUTS BY NEW CENTURY COLOR PLATE CO., N. Y.

CLOTHES HANGERS—Wire and Wood

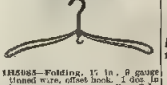
If we can only get you to examine these goods and prices we know we can get your business — all of it

WIRE CLOTHES HANGERS

1H4825—17 in., 11 gauge black japanned wire, 100 in carton. Per 100, **$1.95**

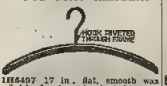
1H5495—17 in., 10 gauge tinned twisted wire, 3 lbs. in pkg (Total 84c) Doz. **42c**

1H775 — Children's, 11½ in., 11 gauge retinned twisted wire, 3 doz in pkg (Total $1.14). Doz. **38c**

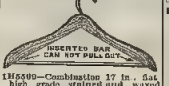


1H5985—Folding, 17 in., 9 gauge tinned wire, offset hook, 1 doz in box. Doz. **64c**

WOOD COAT HANGERS



1H5497 17 in., flat, smooth wax finish hardwood, riveted copper hook 1 doz. in pkg Doz. **48c**
CARTON of 100, **$3.60**
LOTS of 500, per 100, **3.46**



1H5599—Combination 17 in., flat, high grade stained and waxed hardwood, inserted trousers bar, retinned wire hook 1 doz. in carton Doz. **84c**
CARTON of 100, **$6.50**

SHIRT WAIST HANGER

1H4095—16 in. sanded and polished hardwood, tin wire hook 100 in carton Per 100 **$2.75**
LOTS of 500, " **2.65**

COMBINATION WIRE CLOTHES HANGER

1H3772—17 in., 10 gauge twisted wire offset hook, lower bar with wood trousers or skirt clamps, 1 doz in pkg.... Doz. **68c**

ENAMELED COAT HANGER

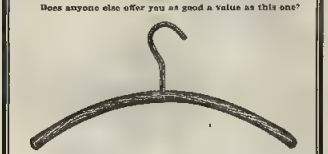
1H5526—2 styles, 17 in., hardwood, 3 coats of baked enamel, sand 50 each plain and fancy models in white, light blue and shell pink Assrtd 100 in carton
At Temp. Out

WIRE TROUSERS OR SKIRT HANGER

1H6240—Heavily retinned wire, self adjusting to any size skirt. 1 doz. in pkg. Doz. **78c**
CARTON of 100, **$6.25**

17 In. Round Wood Coat Hanger

Does anyone else offer you as good a value as this one?



1H5507—17 in., round, stained, sanded and waxed finish, copper-ed hook

CARTON of 100. **$2.65**

½ doz. lots, Doz. **40c**

WOOD CLAMP TROUSERS OR SKIRT HANGERS

1H5534—7 in., retinued wire frame, strong wood clamps, hook hanger 2 doz. in box **$0.37**
Lots of 12 doz. " **.35**

STAR VALUE

1H4503 — "Faultless" 8 in. waxed hardwood, 6 in. spring hook running thru 2 brass rods forms, sliding clamp holds garment tight, felt pad ends. 2 doz. in box Doz. **42c**
CARTON of 100, **$3.26**

17 In. Hardwood Coat Hanger

Best quality waxed finish hanger at a price made possible through carload purchases. Do not confuse with soft wood poorly finished hangers.

1H4779—Combination, 17 in., natural finish hardwood, sanded and waxed, inserted trousers bar, tinned wire hook 1 doz in pkg

Doz. **68c** CARTON of 100, **$4.80**

"HENDRYX" BIRD CAGES

America's best known line. Our plan of assorting styles and sizes brings you a better sale and a better profit

BIRD CAGE ASSORTMENTS

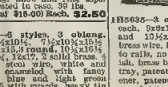
Showing 2 of the 6 styles.

1H5630—6 styles, 3 square, 7 x 7 x 15, 5 x 5 x 12½ and 8½ x 8½ x 13 in. 2 oblong 13½ x 10½, 8½ x 6 x 12½ and 10½ x 7½ x 15, steel spring wire, assrtd. blue & white, red & white and green & white, painted charcoal tin bottom, double punched rails, self-locking spring door fastener, cups, perches and swing, knob and ring tops. 6 nested in case. 24 lbs.
(Total $10.20) Each, **$1.70**

1H5659—6 styles, 3 oblong, 9½ x 7½ x 10½, 7½ x 10½ x 15½, 8 x 11½ x 15, 9 round, 10 x 10½, 11 x 15½, 12 x 17, 2 solid brass, 4 spring steel wire, white and ivory enameled with fancy white, blue and light green trim, 6 with guards, heavy tin bottoms, cups, perches and swings, knob and ring tops. 6 nested in case, 38 lbs.
Each, **$3.90**
(Total $23.40)

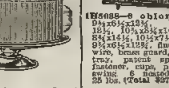
Showing 2 of the 6 styles.

1H5634 6 oblong styles, 11x7 x 15½, 12 x 8½ x 16½, 13 x 9½ x 17½, 13½ x 9½ x 17½, 13x9½x18 and 13x9½x18, steel spring wire, japanned and painted metal roof, green and blue, charcoal tin bottom, double punched rails, self-locking spring door fastener, cups, perches and swing, knob and ring tops. 6 nested in case. 39 lbs.
(Total $18.00) Each, **$2.50**



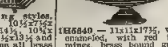
1H5635—3 oblong styles, 2 each, 9x6x13 9¼ x 10½ x 14½ and 10½ x 7 x 19½, solid brass wire, lacquered, riveted to rails, no solder, satin finish, brass bottom, inside tin tray, patent spring door fastener, patent opal wood cups, cement tipped cedar perches and cedar swing ring tops. 3 nested in case, 25 lbs.
Each, **$2.40**
(Total $14.40)

1H5650—3 sizes, round, one each of 13x10x12½ with 4 in screen guard and 16x11x14 with 5 in screen guard solid brass removable enameled tray spring door, cedar swing and brass opal cups. knob and ring tops. 2 nested in case
NEST of 3, **$12.00**

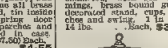


1H5688—6 oblong styles, 9½ x 6½ x 12½, 10½ x 7½ x 16½, 10½ x 7½ x 14½, 10½ x 7½ x 13½ and 9½ x 6½ x 11½, fine all brass wire, brass guard, tin inside tray, patent spring door fastener, cups, perches and swing. 6 nested in case. 25 lbs. (Total $27.50) Each, **$4.50**

BIRD CAGE SPRINGS



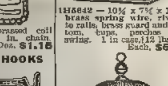
1H5593 3½ in brassed coil spring. 3 doz. in box Total $1.44) Doz. **48c**



1H5598 2x2¼ brassed coil spring with 18 in chain 1 doz. in box Doz. **$1.18**

BIRD CAGE HOOKS

1H4479—7½ in., dark bronze finish, cast iron, ½ x 1¼ wall plate swings in socket. 1 doz. in box Doz. **65c**



1H4670—12 in., brassed steel polished, 4x1½ wall plate, ½ in. double steel rod, twisted, swings in socket. 1 doz. in box Doz. **$1.80**

BIRD CAGES

1H5640 — 11x11x17½, white enameled, with red trimmings, brass bound guard, decorated stand, cups, perches and swing. 1 in case, 14 lbs. Each, **$3.96**

1H5642 — 10¾ x 7¾ x 13½, brass spring wire, riveted to rails, brass guard and bottom, cups, perches and swing. 1 in case, 15 lbs. Each, **$5.50**

1H5643 — 11 x 11 x 16½, brass spring wire solid rail brass guard, spout brass stand, satin finish, white enameled inside tray, cups, perches and swing. 1 in case, 15 lbs.... Each, **$4.85**

SOLID BRASS BIRD CAGE STAND

1H5651—Hi. 5½ ft. ring 20x15 in., light solid brass tubing, 9 in. loaded base. 1 in case. Each, **$3.75**

CLOTHES HANGERS

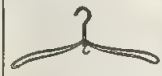
We sell a carload of coat hangers every week—that's why we can give you such high grade hangers for so little money

WIRE CLOTHES HANGERS

1H5628 17 in., 12 gauge black japanned wire. 100 in carton.
Per 100, **$1.95**

1H5695 17 in., 10 gauge tinned twisted wire 2 doz. in pkg.
(Total 24c) Doz. **42c**

1H5725 — Children's, 11½ in., 14 gauge retinned twisted wire. 3 doz. in pkg.
(Total $1.14) Doz. **36c**



1H5685 Folding 17 in. 8 gauge tinned wire, offset hook 1 doz. in box. Doz. **78c**

WOOD COAT HANGERS

1H5487—17 in. flat, smooth wax finish hardwood, riveted copper hook. 1 doz. in pkg. Doz. **45c**
CARTON of 100 **$3.60**
LOTS of 500, per 100, **3.46**

1H5508—Combination 17 in. flat, high grade stained and waxed hardwood, inserted trousers bar retinned wire hook 1 doz. in carton Doz. **84c**
CARTON of 100 **$6.50**

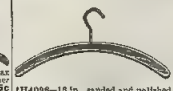
WOOD CLAMP TROUSERS OR SKIRT HANGERS

1H5324 7 in. retinned wire frame, strong wood clamps, hook inserted 2 doz. in box. Doz. **$0.37**
Lots of 12 doz. " **.35**

STAR VALUE

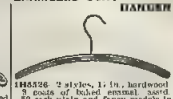
1H5305 "Faultless" 8 in. waxed hardwood 6 in. nickel hook, revolving 1 ½ gauge frame, sliding clamp holds garment tight felt pad ends. A big value. 2 doz. in box. Doz. **42c**
(CARTON of 100, **$3.25**

SHIRT WAIST HANGER



1H4086—16 in. sanded and polished hardwood, tin wire hook. 100 in carton. Per 100, **$2.75**
LOTS of 500, " **2.65**

ENAMELED COAT HANGER



1H5326 2 styles, 14 in., hardwood 3 coats of baked enamel, sand 80 each plain and fancy models in white, light blue and soft pink. Asstd. 100 in carton.
Temp. Out

COMBINATION WIRE CLOTHES HANGER

1H5772—17 in., 10 gauge twisted wire, offset hook, lower bar with wood trousers or skirt clamps. 1 doz. in pkg. Doz. **68c**

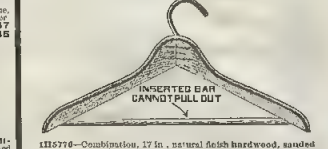
17 In. Round Hardwood Coat Hanger

Does anyone else offer you as good a value as this one?

1H5307—17 in. round stained and waxed smooth finish hardwood, copperoy hook
Lots of 2 doz. Doz. **40c**
CARTON of 100 **$2.85**

17 In. Flat Hardwood Coat Hanger

Best quality waxed finish hanger at a price made possible through carload purchases. Do not confuse with soft wood poorly finished hangers



1H5776—Combination, 17 in., natural finish hardwood, sanded and waxed, loop top trousers bar tinned wire hook 1 doz. in pkg
Doz. **68c** CARTON of 100, **$4.80**

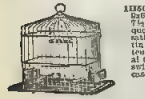
"HENDRYX" BIRD CAGES

AMERICA'S BEST KNOWN BRAND

Our plan of assorting styles and sizes helps your TURN

BIRD CAGE ASSORTMENTS

1H5630 8 styles, 4 square, 7½x7½x16 8x8x15½, and 8½x8½x15½, 2 oblong 9½x8½x15½ 8x8x15¼ and 10 x7½x15, 2 oval, 8 in. and 9 in., asstd. tints & white, red & white and green & white painted charcoal tin bottom double punched rails, self locking spring door fastener, cups, perches and swing, knob and ring tops. Try to match this price. 6 nested in case, 24 lbs.
(Total $10.50) Each. **$1.75**

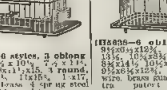


1H5635—3 oblong styles, 2 each, 8x6½x15½, 8½x8½x15½ and 10½x7½x13½, solid brass wire, lacquered, riveted to rails, no solder, satin finish, brass bottom, inside tin tray, patent sprint door fastener, patent spool seat, cups, metal tipped cedar perches and cedar swings, ring tops. 6 nested in case, 25 lbs.
(Total $14.40) Each. **$2.40**

1H5634 — 6 oblong styles, 11 x 7½ x 16½, 12½x8 x17 - 16 x8½x17, 15x8½x18 and 15x8½x18 steel spring wire japanned and painted assrtd red green and blue, charcoal, tin bottom, double punched rails self locking spring door fastener, cups, perches and swing, knob and ring tops, 6 nested in case, 90 lbs.
(Total $15.00) Each. **$2.60**

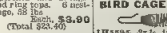
1H5489—6 styles, 2 oblong 9½ x 7½ x 10½, 7½ x 11½, 11½ x 7½, 4 round, 10 x 6½, 11x8½, 11x11½, 8 brass wire white and ivory enameled with fancy white lace and light green trim, 5 with flowers, heavy tin bottoms, cups, perches and swings knob and ring tops. 6 nested in case, 68 lbs.
(Total $22.40) Each. **$3.90**

1H5650—3 sizes, round, oak couch of 18x10x12½ with 4 in screen guard 16x11x14 with 4 in screen guard, and 18x12x14½ with 5 in. screen guard, solid brass removable enameled iron spring door, reducing wire and perches, opal cups, knob and ring tops. 3 nested in case
NEST of 3, **$12.95**

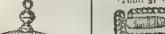


1H5686—6 oblong styles, 9½x8½x12½, 10½x7½x13½, 10½x8½x15½, 8½x14½, 10½x7½x13½ and 12½x8½x15½, fine grade brass wire, brass guard, tin inside tray, patent sprint door fastener, cups, perches and swings. 6 nested in case
Each **$4.55**
(Total $27.30)

BIRD CAGE SPRINGS



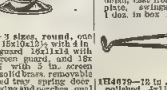
1H5595 8½ in. brassed coil spring 3 doz. in box
(Total $1.14 Doz. **48c**



1H5690—2½ in. brassed coil spring with 26 in. chain 1 doz. in box. Doz. **$1.15**

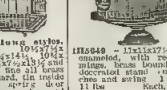
BIRD CAGE HOOKS

1H4676—7½ in., dark bronze finish, cast iron, 3x3½ wall plate, swings in socket. 1 doz. in box .. Doz. **75c**

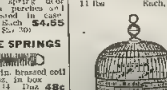


1H4879—12 in., brassed steel, polished, 4x1½, wall plate, swings in socket. 1 doz. in box Doz. **$1.80**

BIRD CAGES



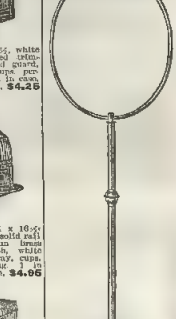
1H5649 — 11x11x17½, white enameled, with red ribbonings, brass bound guard, decorated stand cups perches and swing 1 in case, 11 lbs. Each, **$4.25**



1H5648 — 11 x 11 x 16-6, brass spring wire solid nail brass guard, spun brass stand satin finish, white enameled inside tray, cups, perches and swing 1 in case, 16 lbs . Each, **$4.95**

1H5642 — 10½ x 7½ x 12½, brass spring wire, riveted to rails, brass guard and bottom, cups, perches and swing. 1 in case, 12 lbs. Each, **$5.85**

SOLID BRASS BIRD CAGE STAND

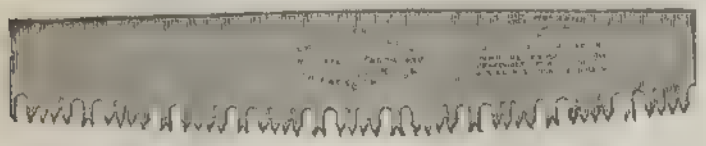


1H5651—5½ ft. high, 18x24 ring light solid brass tubing, 9 in. footed base 1 in case.
Each, **$7.25**

CROSS-CUT SAWS

HENRY DISSTON & SONS

Made of Best Grade Crucible Cast Steel; Perfectly Tempered in Oil; Carefully sharpened and Set; Polished and Etched; Ground to an Even Gauge Throughout the Tooth Edge, with a Relative and Uniform Thickness Throughout the Body to a Thin or Extra Thin Edge at Back Edge, Giving the Saw a Maximum Amount of Clearance Without Sacrificing its Elasticity and Stiffness.



No. DPL

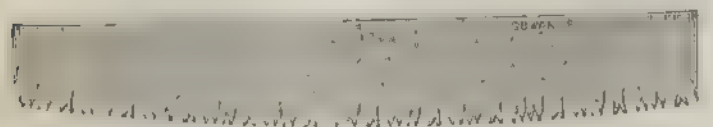
PERFORATED LANCE TOOTH, WIDE

14 Gauge Cutting Edge; 18 Gauge at Back Edge

Length, Feet	5	5½
Width at Center inches	6½	7
Weight Each, lbs.	5	6¼
Each, without Handles	$8.90	9.80

Length, Feet	6
Width at Center, inches	7½
Weight Each, lbs	8
Each, without Handles	$10 00

Loose



No. 235

SUWANEE

14 Gauge at Tooth Edge; 20 Gauge at Back Edge

Length, Feet	5	5½
Width at Center, inches	6½	6½
Weight Each, lbs	5	6¼
Each, without Handles	$9.30	10 90

Length, Feet	6	6½
Width at Center, inches	7½	7¾
Weight Each, lbs	8	8¾
Each, without Handles	12.50	14.70

Loose

No. DGA

GREAT AMERICAN TOOTH

14 Gauge at Tooth Edge; 19 Gauge at Back Edge

This Style of Tooth is Easily Kept in Order and as it Takes Less Hold Upon the Leg, Requires Less Effort to Drive it.

Length, Feet	5	5½	6
Width at Center, inches	6¾	7	7¼
Weight Each, lbs	4½	6½	7
Each, without Handles	$7.60	8.40	9.20

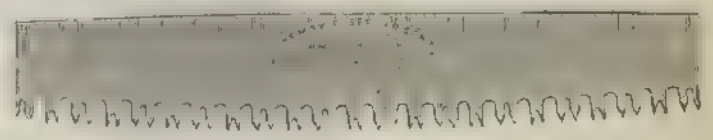
Loose

All Above Wood Stripped on Cutting Edge

CROSS-CUT SAWS

HENRY DISSTON & SONS

Made of Best Grade Crucible Cast Steel; Perfectly Tempered in Oil; Carefully Sharpened and Set; Polished and Etched; Ground to an Even Gauge Throughout the Tooth Edge, with a Relative and Uniform Thickness Throughout the Body to a Thin or Extra Thin Edge at Back Edge, Giving the Saw a Maximum Amount of Clearance Without Sacrificing its Elasticity and Stiffness.



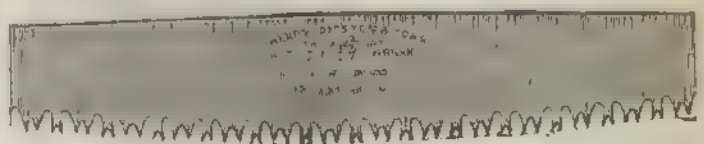
No. DD102

(2) DIAMOND TOOTH

14 Gauge at Tooth Edge; 16 Gauge at Back Edge; Two Cutting Teeth to One Raker Tooth.

Length, Feet	5	5½	6	6½	7
Width at Center, inches	6½	7	7¼	7½	7¾
Weight Each, lbs	5	6¼	8	8½	9½
Each, without Handles	$7.00	7.70	8.40	9.10	9.80

Loose



No. DC02

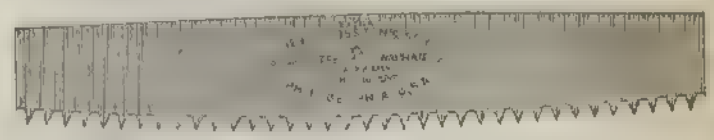
(2) CHAMPION TOOTH

14 Gauge at Cutting Edge, 16 Gauge at Back Edge

Length, Feet	5	5½
Width at Center, inches	7	7½
Weight Each, lbs	5½	7
Each, without Handles	$8.10	8.70

Length, Feet	6	6½
Width at Center, inches	7¼	7¾
Weight Each, lbs	7½	8½
Each, without Handles	7.30	7.90

Loose



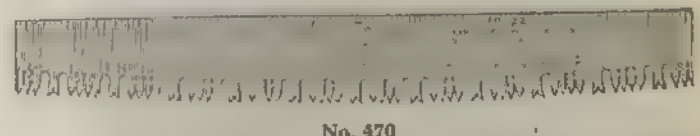
No. DP2

PLAIN TOOTH

14 Gauge at Cutting Edge; 16 Gauge at Back Edge

Length, Feet	5	5½	6
Width at Center inches	7	7½	7½
Weight Each lbs	5½	7	7½
Each, without Handles	$6.10	6.70	7.30

Loose



No. 470

BUZZ (Cottonwood Pattern)

14 Gauge at Tooth Edge; 19 Gauge at Back Edge

Length, Feet	5	5½	6	6½
Width at Center, inches	5½	5¾	6	6¼
Weight Each, lbs.	5	6¼	8	8¾
Each, without Handles.	$9.30	10 90	12.50	14 70

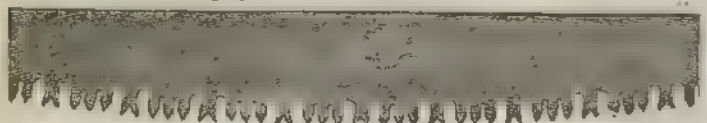
Loose

All Above Wood Stripped on Cutting Edge

CROSS-CUT SAWS

SIMONDS MFG. CO.

Made of Highest Grade Crucible Cast Steel, Oil Tempered Hand Filed and Set and Highly Polished and Etched.



No. 33—DEXTER TOOTH

Crescent Ground; Three Cutting Teeth to One Raker Tooth.
14 Gauge at Center of Cutting Edge; 16 Gauge at Back on Ends, 19 Gauge at Center or Back Edge

Length, Feet	**6**	**6½**	**7**
Width at Center, Inches	7	7⅛	7¼
Weight Each, Lbs.	6½	6¾	7¼
Each, Without Handles	**$12.60**	**14.60**	**16.60**

Loose

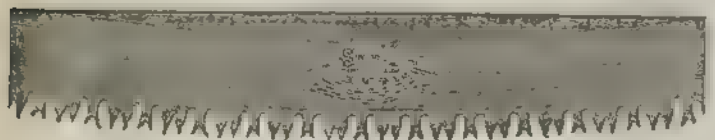
No. 22

CANADA PATTERN, LANCE TOOTH, PERFORATED

Crescent Ground; Four Cutting Teeth to One Raker Tooth
14 Gauge at Center of Cutting Edge; 16 Gauge at Back on Ends; 19 Gauge at Center of Back Edge.

Length, Feet	**5**	**5½**	**6**	**6½**	**7**	**7½**
Width at Center, In.	6	6½	7	7⅛	7¾	8⅜
Weight Each, Lbs.	5	5½	7 ⅛	8½	9½	11
Each, without Hdls.	**$9.50**	**10.80**	**12.60**	**14.60**	**16 60**	**18 90**

Loose



No. 13

TUTTLE TOOTH

Crescent Ground; Two Cutting Teeth to One Raker Tooth.
14 Gauge at Center of Cutting Edge; 16 Gauge at Back on Ends; 19 Gauge of Back Edge

Length, Feet	**5½**	**6**	**6½**	**7**
Width at Center, Inches	6½	7	7⅛	7¾
Weight Each, Lbs.	6	7½	8½	10
Each, Without Handles	**$10 80**	**12 60**	**14.60**	**16 60**

Loose

No. 316

COTTONWOOD PATTERN, DIAMOND TOOTH, PERFORATED

Crescent Ground; Narrow Width Blade; Two Cutting Teeth to One Raker Tooth.

14 Gauge at Center of Cutting Edge; 16 Gauge at Back on Ends; 19 Gauge at Center of Back Edge

Length, Feet	**6**	**6½**	**7**
Width at Center, Inches	6	6¾	6½
Weight Each, Lbs.	6	7	8
Each, without Handles	**$12.60**	**14 60**	**16.60**

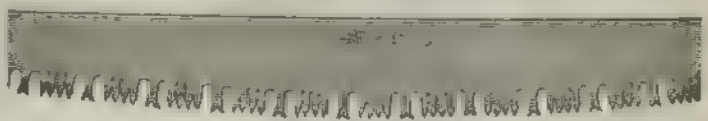
Loose

All Above Wood Stripped on Cutting Edge

CROSS-CUT SAWS

SIMONDS MFG. CO.

Made of Highest Grade Crucible Cast Steel, Oil Tempered, Hand Filed and Set and Highly Polished and Etched.



No. 324

COTTONWOOD PATTERN—LANCE TOOTH, PERFORATED

Crescent Ground; Slightly Narrower than Regular Width Blade; Four Cutting Teeth to One Raker Tooth.

14 Gauge at Center of Cutting Edge, 16 Gauge at Back on Ends; 19 Gauge at Center of Back Edge.

Length, Feet	**5½**	**6**	**6½**	**7**
Width at Center, Inches	5⅝	6	6⅛	6¾
Weight Each, Lbs.	5½	6	7	8
Each, Without Handles	**$10 80**	**12 60**	**14.60**	**16 60**

Loose

No. 325

LANCE TOOTH, PERFORATED

Crescent Ground; Narrow Width Felling Blade; Four Cutting Teeth to One Raker Tooth

14 Gauge at Center of Cutting Edge; 16 Gauge at Back on Ends; 19 Gauge at Center of Back Edge.

Length, Feet	**5**	**5½**	**6**
Width, Center, Inches			6
Weight Each, Lbs.			6
Each, Without Handles	**$9 50**	**10 80**	**12.60**

Loose

No. 133

FELLING PATTERN LANCE TOOTH, PERFORATED

Crescent Ground; Narrow Width Blade; Four Cutting Teeth to one Raker Tooth.

14 Gauge at Center of Cutting Edge; 16 Gauge at Back on Ends; 19 Gauge at Center of Back Edge.

Length, Feet	**5**	**5½**	**6**	**6½**
Width, Center, Inches	5¼	5⅜	5⅝	5½
Weight Each, Lbs.	5	5½	6	7
Each, without Handles	**$9 50**	**10 80**	**12.60**	**14.60**

Loose

No. 328

COTTONWOOD PATTERN, CHAMPION TOOTH

Crescent Ground; Narrow Width Blade; Two Cutting Teeth to One Raker Tooth.

14 Gauge at Center of Cutting Edge; 16 Gauge at Back on Ends; 19 Gauge at Center of Back Edge.

Length, Feet	**5½**	**6**	**6½**	**7**
Width at Center, Inches	5⅝	6	6¼	6⅝
Weight, Each, Lbs.	6	6½	7½	8
Each, without Handles	**$10.80**	**12.60**	**14.60**	**16.60**

Loose

All Above Wood Stripped on Cutting Edge

HIBBARD WATER MOTOR WASHING MACHINES

Water Motor used on this machine is gearless. This prevents noise and lost motion and insures easy running qualities that are absolutely necessary in a motor that will operate, as does this one, on water pressure as low as thirty-five pounds. No frictional parts, self-draining and non-freezing, requires no oiling, will not wear, rust or stick, bearings are non-metal.

Tub is well and strongly built of selected Southern Cypress—"The wood everlasting"—nicely finished with good quality varnish. It will hold fifteen gallons of water and if given reasonable care, will not warp or shrink.

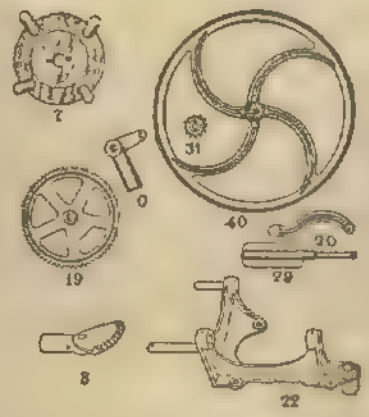
No. W21—Inside dimensions of tub—bottom 22 in., top 20 in., height 12⅞ in., height from floor 35½ in., w't each 70 lbs., ...each $32.00

WATER MOTOR BELTS

One of these endless belts should be purchased with each water motor, as the regular rubber and leather belts are too heavy and use too much power.

No. 25—9 ft., endless belt for No. 1994 water motors, 1 in. wide, made of rubber and cloth webbing, each $0.80

REVONOC WASHER PARTS



For Nos. W10, F18, F19, F26

No. 7—Pinwheel, w't 2 lbs., each $1.00

No. 8—Gear segment, for new style, w't 2¼ lbs. .....each $1.00

No. 6—Handle socket, for new style, w't 2 lbs. .....each $1.00

No. 22—Main frame, for new style, w't 7½ lbs. .....each $3.00

No. 19—Gear wheel, 65 cogs, w't 3½ lbs. each $1.60

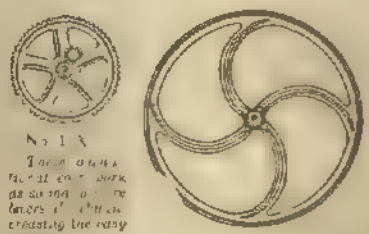
No. 20—Pitman, w't 14 oz., each $0.60

No. 29—Dasher center, w't 1¾ lbs., each $1.00

No. 31—Pinion, w't 7 oz., each $0.30

No. 05—Extra wood handles, each $0.20

IMPROVED REVONOC PARTS



No. 42.

No. 19X—Gear wheel, 94 cogs, w't 3¼ lbs. .....each $1.60

No. 42—Fly wheel, 15 cogs on pinion, w't 13½ lbs. .....each $5.00

POWER PULLEY FOR WASHING MACHINES

No. 8—Pulley, 8 in., w't per doz. 42 lbs., per doz. $24.00

WATER MOTORS AND BRACKETS

Cut shows motor and bracket attached. Sold separately.

No. 1994—Motor 2 in flat belt double **flanged pulley**, made of brass, iron and steel, for ¾ in. pipe, w't per doz. 160 lbs., each $11.00

No. 1944—Wall or bench **brackets**, w't per doz. 17 lbs. .....each $9.60

PENBERTHY WASHING MACHINE DRAINER

It is designed to transfer water from washing machines, wash tubs, cellar tubs, or any place where there is an accumulation, by means of ordinary water pressure. No electrical, steam or other operative power required.

No. 10—Aluminum, w't 5 ounces, w't per dozen 4 lbs. .....each $4.20
ONE DOZEN IN A BOX

WASHING MACHINE DRAINER ADAPTERS

Adapters can be supplied for use where the faucet is not threaded. Simply slip this over the smooth faucet, screw on the coupling and a tight connection is made.

No. 5—Brass, w't per doz. 2 lbs., each $0.70
ONE DOZEN IN A BOX

GUARANTEED BALL BEARING WRINGERS

On this and the following page we illustrate several patterns of Wringers, under the brands [illegible] and Hibbard. The rolls in [illegible] wringers are guaranteed for five years, those in the Hibbard are guaranted for three years, otherwise they are identical.

These wringers embody two very important improvements, namely, the "Enclosed Cog Wheels" and "Ball Bearings," but in connection with these are a number of other points which contribute to their superiority.

Frame—This is made of seasoned hard wood, in the simplest manner, carefully joined and bolted, all of the working parts encased leaving nothing to be desired in the appearance and convenience of the wringer. It is carefully varnished, painted, and well finished in every detail.

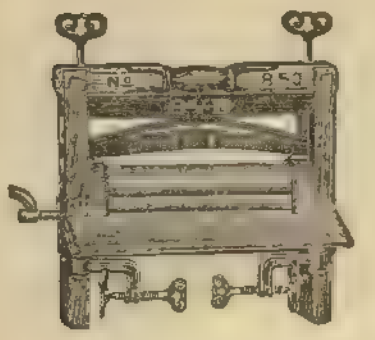
Rolls—These are of exceptional quality and will last the term of years for which they are guaranteed, if used for family washing. The [illegible] are made from the best solid white rubber, the same quality from outside of cover to shaft, are soft and have the proper elasticity to do good wringing. The rolls of the HIBBARD are second only to the [illegible].

Covered Gearing—This is a very important improvement—there is no danger of clothing catching in the cogs. The appearance is vastly improved. The spring is longer, removing the strain on the rollers when rolls are separated, and the danger of children getting their fingers crushed is entirely removed.

Ball Bearing—These are located on the outside of the cog wheels, and therefore removed a considerable distance from the rolls, so that no water can reach them from wringing of clothes. The ball race is so constructed that should any water reach the bearings, it will drain out immediately, avoiding rust. . The bearings can be oiled without any danger of the oil reaching the rolls. The balls are solid steel of uniform size. The bearings are of large size and reduce friction to a minimum, and [illegible] or HIBBARD wringers can be operated with one-half the effort of an ordinary wringer.

Other Points—Everything about these wringers is high grade and made for use. The thumb screws are large and easy to handle. The spring is made of the best quality of steel, adapted for the purpose. The clamps are extra strong and easy to apply, and are made to be attached to wood or galvanized tubs, either round or square.

[illegible]



See general description above.

Rolls warranted for five years, encased cog wheels with ball bearings, large frame, folding apron, adjustable clamps, for either wood or galvanized tubs

10x1¾ in. Finest Quality Rolls, Upper No. 54, Lower No. 55, W't Per Dozen 275 Lbs.

No. R850 [illegible]—Full quarter dozen cases, per dozen $103.60

No. 850 [illegible]—Less than case lots, per dozen $103.60

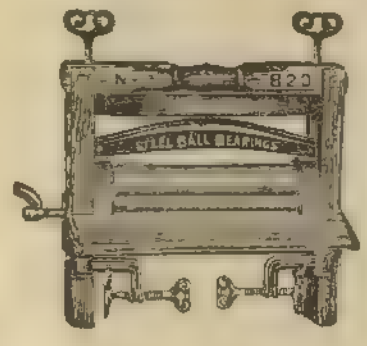
11x1¾ in. Finest Quality Rolls, Upper No. 61, Lower No. 62, W't Per Dozen 290 Lbs.

No. R851 [illegible]—Full quarter dozen cases, per dozen $109.60

No. 851 [illegible]—Less than case lots, per dozen $109.60

QUARTER DOZEN IN A CASE

Hibbard



See general description above.

Rolls warranted for three years, encased cog wheels with ball bearings, large frame, folding apron, adjustable clamps, for either wood or galvanized tubs.

10x1¾ in. Finest Quality Rolls, Upper No. 54, Lower No. 55, W't Per Dozen 275 Lbs.

No. R820 HIBBARD—Full quarter dozen cases, per dozen $97.60

No. 820 HIBBARD—Less than case lots, per dozen $97.60

11x1¾ in. Finest Quality Rolls, Upper No. 61, Lower No. 62, W't Per Dozen 290 Lbs.

No. R821 HIBBARD—Full quarter dozen cases, per dozen $103 60

No. 821 HIBBARD—Less than case lots, per dozen $103 60

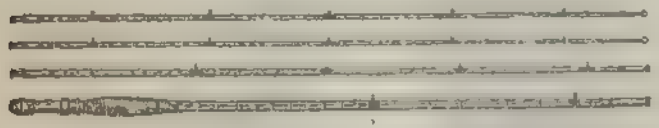
QUARTER DOZEN IN A CASE

FISHING RODS

Hinduvine

★HINDUVINE FLY

Hinduvine Derives its Name from a Fibrous Vine, Native Only to Hindoostan, and Has the Strongest, Toughest, and at the Same Time the Most Elastic Fiber Ever Put in a Fishing Rod. The Fibers are as Hard as Steel and Possess the Suppleness of Whalebone; Great Care is Taken in Splitting So as Not to Make Any Traverse Cuts which Would Destroy the Elasticity and Weaken the Rod. Each Joint is Made of Six Strips, Cemented Together in the Same Manner as a Split Bamboo Rod. Each Section is Tested and Must be Absolutely Perfect, and the Strongest of Any on the Market. **For Strength, Toughness and Pliability, Hinduvine Cannot be Excelled.** Actual Tests have Proven Hinduvine Rods to Possess Two and One-half Times the Tensile Strength of Any Rod Manufactured.



Highest Quality; Hand Made; Fully Warranted

Three-Piece and Extra Tip; Cork Grip; German Silver Reel Seat, **Ferrules** and Mountings; All Metal Parts Nicely Milled, Finished and Polished; Solid Reel Plate; Reinforced Ferrules; Mounted with **Agate First Guide** and **One Agate Fly Rod Tip;** Balance **English Bronzed Steel Snake Guides; One Ring Fly Tip;** Wound with Scarlet Silk at Close Intervals and Varnished; Hook Rings, Lengths 9, 9½, 10 and 10½ feet; Weight Each 6 to 7½ ozs.

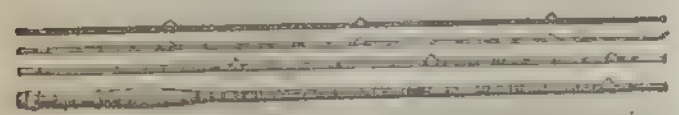
Per Dozen

No. 11SF—Weight per Dozen, 14 lbs. **$550 00**
Twelfth Dozen in a Velvet Covered Grooved Wood Form in a Cloth Bag

Three-Piece and Extra Tip; Cork Grip; German Silver Reel Seat; Ferrules and Mountings; All Metal Parts Nicely Milled, Finished and Polished; Solid Reel Plate; Reinforced Ferrules; **One-Fly Rod, Agate Tip;** Balance **English Snake Guides; One-Ring Fly Tip;** Wound with Scarlet and Yellow Silk at Close Intervals and Varnished; 8, 8½, 9 and 9½ feet; Weight Each 6 to 7½ ozs.

Per Dozen

No. 8SF—Weight per Dozen, 12 lbs. **$252 00**
Twelfth Dozen in a Velvet Covered Grooved Wood Form in a Cloth Bag



Three-Piece and Extra Tip; Cork Grip; German Silver Reel Seat, Ferrules and Mountings; All Nicely Nickel Plated and Polished; All Metal Parts Nicely Milled; Solid Reel Plate; Reinforced Ferrules, **One Fly Rod, Agate Tip;** Balance **English Snake Guides; One-Ring Fly Tip;** Wound with Scarlet, Black and Green Silk at Intervals and Varnished with Best Quality Transparent Spar Varnish; Lengths 9, 9½, 10 and 10½ feet; Weight Each 6 to 7½ ozs.

Per Dozen

No. 7SF—Weight per Dozen, 13 lbs. **$210 00**
Twelfth Dozen in a Velvet Covered Grooved Wood Form in a Cloth Bag

FISHING RODS

★DIAMOND BRAND

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE.

SPLIT BAMBOO FLY

Three-Piece and Extra Tip; Cork Grip; Solid Reel Plate; Blued Reel Seat and Mountings; All Metal Parts Plain; Plain Ferrules; **Genuine Agate First Guide and Tip;** Balance **English Snake Guides;** Wound at Intervals with Red, White and Black Silk; Lengths 8½ and 9 feet; Weight Each 6 ozs.

Per Dozen

No. CSR—Weight per Dozen, 12 lbs. **$480.00**
Twelfth Dozen in a Velvet Covered Grooved Wood Form in a Cloth Bag

Three-Piece and Extra Tip; Cork Grip; Brass Reel Seat, Ferrules and Mountings, All Nickel Plated and Polished; All Metal Parts **Knurled;** Solid Reel Seat Reinforced Ferrules; Mounted with **Agate First Guide** and One Agate Fly Rod Tip, Balance **English Bronzed Steel Snake Guides; One-Ring Fly Tip;** Wound with Maroon and Yellow Silk in Close [illegible] Intervals and Varnished with Best Quality Transparent Spar Varnish; Lengths 8, 9 and 9½ feet, Weight Each 6 to 7¼ ozs.

Per Dozen

No. 10SF—[illegible] **$360.00**
Twelfth Dozen in a Partitioned Cloth Bag

Three-Piece and Extra Tip; Brass Reel Seat, Mountains and Ferrules, Nickel Plated; All Metal Parts Plain; Solid Reel Plate; Watertight Ferrules, Mounted with **Agate First Guide and One Agate Fly Rod Tip** Balance; **English Bronze Steel Snake Guides; One Ring Tip;** Wound with Red and Black Silk at Intervals; Finished Round and Varnished; Lengths 9, 9½ and 10 feet; Weight Each 6 ozs.

Per Dozen

No. 9SF—Weight per Dozen 10½ lbs. **$288.00**
Twelfth Dozen in a Plain Grooved Wood Form in a Cloth Bag

Three-Piece and Extra Tip; Cork Grip; Brass Reel Seat, Ferrules and Mountings, All Nickel Plated and Polished; All Metal Parts **Plain;** Solid Reel Seat; Watertight Reinforced Ferrules; Mounted with **Agate First Guide** and **One Agate Fly Rod Tip;** Balance **German Silver Wire Snake Guides; One Ring Fly Tip;** Wound with Green Silk at Close Intervals and Varnished; Lengths 9 and 9½ feet; Weight Each 6 to 7¼ ozs.

Per Dozen

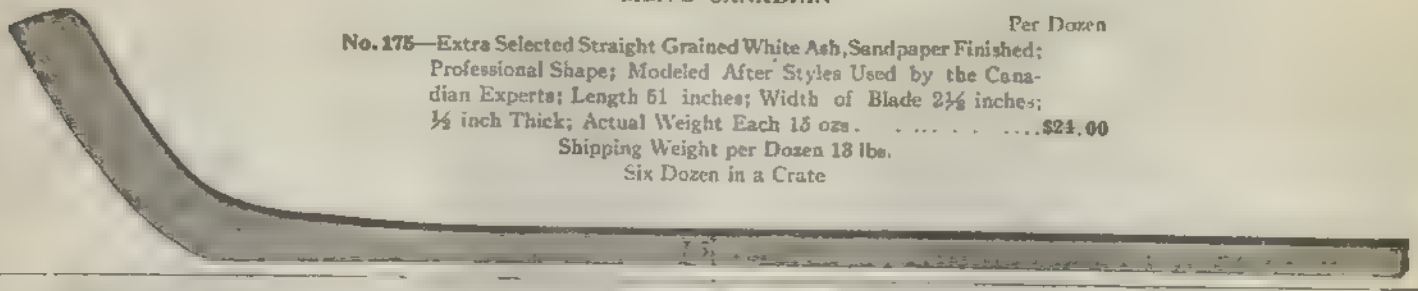
No. 8SF—Weight per Dozen, 12 lbs. **$204.00**
Twelfth Dozen in a Partitioned Cloth Bag

NOTE—No. 10SF and 9SF Rods are Provided with a Separate Walking Stick Receptacle to Carry the Two Tips in Order to Protect Them When Not in Actual Use. The Sticks are Made of Japanese Bamboo, Mottled and Varnished, and Equipped with Nickel Plated Brass Screw Caps.

HOCKEY STICKS

All of Our Hockey Sticks Are Made of Selected Kiln Dried Timber; They are the Most Approved Patterns and Correct in Shape; Steam Bent, so that the Grain of Wood is Continuous from End of Handle to Tip of Blade.

MEN'S CANADIAN

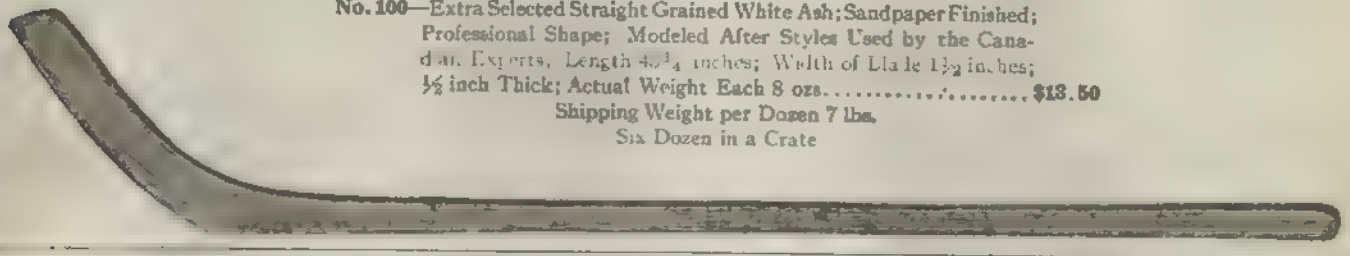


Per Dozen

No. 175—Extra Selected Straight Grained White Ash, Sandpaper Finished; Professional Shape; Modeled After Styles Used by the Canadian Experts; Length 51 inches; Width of Blade 2⅛ inches; ½ inch Thick; Actual Weight Each 15 ozs. **$24.00**

Shipping Weight per Dozen 13 lbs.
Six Dozen in a Crate

YOUTHS' CANADIAN

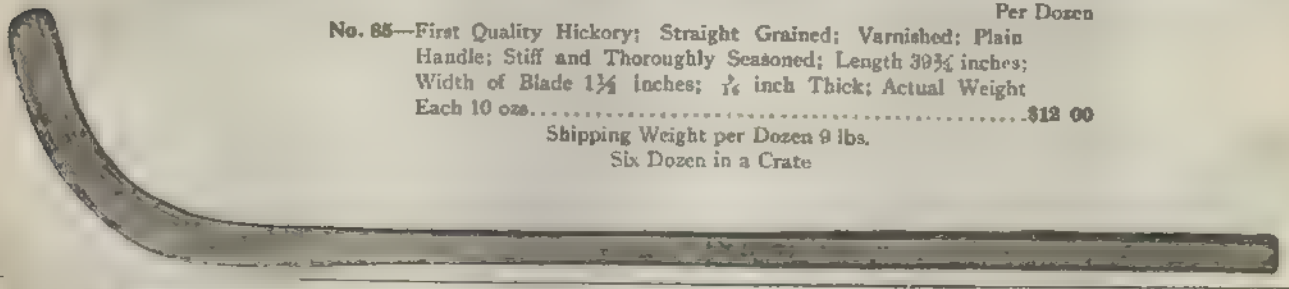


Per Dozen

No. 100—Extra Selected Straight Grained White Ash; Sandpaper Finished; Professional Shape; Modeled After Styles Used by the Canadian Experts; Length 45¾ inches; Width of Blade 1½ inches; ½ inch Thick; Actual Weight Each 8 ozs. **$13.50**

Shipping Weight per Dozen 7 lbs.
Six Dozen in a Crate

MEN'S REGULATION

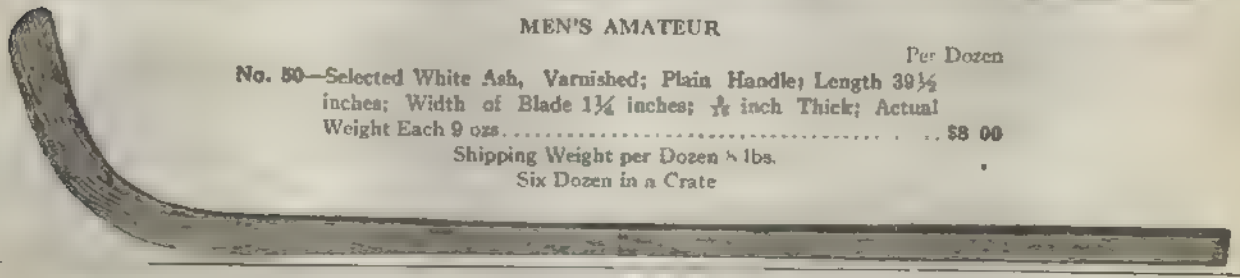


Per Dozen

No. 65—First Quality Hickory; Straight Grained; Varnished; Plain Handle; Stiff and Thoroughly Seasoned; Length 39¾ inches; Width of Blade 1¼ inches; ⅞ inch Thick; Actual Weight Each 10 ozs. **$12 00**

Shipping Weight per Dozen 9 lbs.
Six Dozen in a Crate

MEN'S AMATEUR

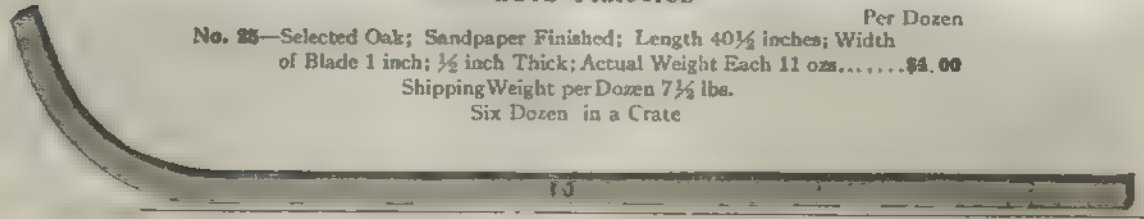


Per Dozen

No. 50—Selected White Ash, Varnished; Plain Handle; Length 39½ inches; Width of Blade 1¼ inches; ⅞ inch Thick; Actual Weight Each 9 ozs. **$8 00**

Shipping Weight per Dozen 8 lbs.
Six Dozen in a Crate

BOYS' PRACTICE

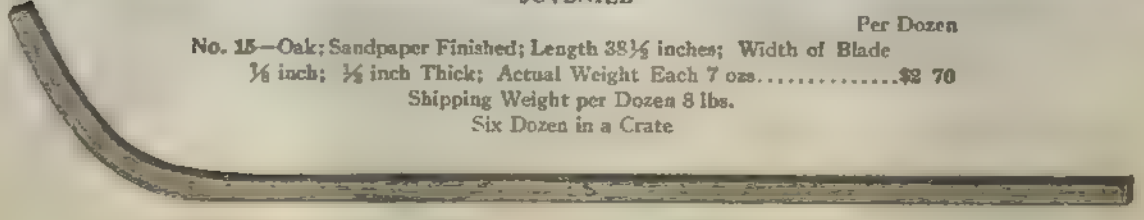


Per Dozen

No. 25—Selected Oak; Sandpaper Finished; Length 40½ inches; Width of Blade 1 inch; ½ inch Thick; Actual Weight Each 11 ozs. **$4.00**

Shipping Weight per Dozen 7½ lbs.
Six Dozen in a Crate

JUVENILE



Per Dozen

No. 15—Oak; Sandpaper Finished; Length 38½ inches; Width of Blade ⅞ inch; ½ inch Thick; Actual Weight Each 7 ozs. **$2 70**

Shipping Weight per Dozen 8 lbs.
Six Dozen in a Crate

DECOY DUCKS

STANDARD MODEL

Solid white cedar. First quality glass eyes. Well painted. Canvasback, mallard, sprig, widgeon, bluebill and teal. One dozen in a crate—8 male and 4 female. Crates will not be broken. Not less than one dozen of a species.

	Wt. per doz.	Per doz
Standard Model	42 lbs.	$21.00

One dozen in a crate

HOLLOW CANVAS COLLAPSIBLE

Pneumatic and collapsible. Hand painted, and true to life. The waterproofing used will not permit the canvas to break or crack. Made in both male and female. Mallards, canvasback, sprig, teal, widgeon and bluebill.

No.	Wt. per doz.	Per doz.
1	10 lbs.	$25 00

One dozen in a box.

FOLDING PAPER

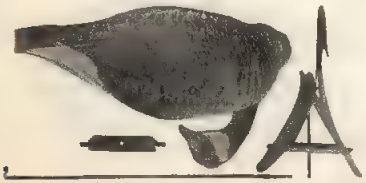
Composed of jute fibre, thoroughly waterproofed, remforced so that they last indefinitely. Thin, waterproofed board float slide inside of body to spread the decoy and float it. Balancing device attached to float makes tipping impossible. Can be used with plain straight wire, to stick up in shallow water, without use of float or balances. Made in mallard, canvasback, bluebill, sprig, widgeon and teal.

No.	Wt. per doz.	Per doz
2	—Ducks, complete. 6 lbs.	$8 80
4	—Ducks, less floats. 4½ lbs.	6.00

One dozen in two canvas bags

DECOY GEESE

FOLDING



Made of jute fibre, thoroughly waterproofed. Has the appearance of a full body from overhead.

No.	Wt. per doz.	Per doz.
5	10 lbs.	$12 00

One dozen in a canvas bag

DUCK CALLS

Cocobolo wood, nickel wire banded.

No.	Length	Wt. per doz.	Per doz
1	4 in.	1 lb.	$10 50

One dozen in a box.

ALLEN

Wood shell. Metal ends

No	Length	Wt per doz	Per doz
7	6½ in	2 lbs	$14 40

One-half dozen in a box.

BROADBILL

Will successfully imitate all wild ducks, from teal to mallard. Removable reed

No.	Length	Wt per doz	Per doz.
270	6 in.	1½ lbs.	$14 00

One-twelfth dozen in a box.

OLT ADJUSTABLE

Constructed entirely of hard rubber throughout. A high grade call with the natural duck sound. Has the adjustable tone slide for use as a duck or crow call.

No.	Length	Wt. per doz.	Per doz
10	4¾ in.	1 lb.	$22 00

Plain—Not Adjustable

No.	Length	Wt. per doz.	Per doz.
11	4¾ in.	1 lb.	$11 50

One dozen in a box

GOOSE CALLS

FULLER

For goose or crane. Wood mouthpiece, nickel plated extension tube.

No.	Length	Wt. per doz.	Per doz.
80	6 in.	2¼ lbs.	$33 00

One dozen in a box

HOLMES & EDWARDS
SILVERWARE

NEWPORT

Illustrations Full Size

SILVER INLAID
(Stamped Holmes & Edwards Silver Inlaid)

Sets of Six. Choice of Plain Box, Lined Super Case or HE Super Roll (Patent applied for)

Tea Spoons	per doz. $11 05
Dessert Spoons	per doz. 19.80
Table Spoons	per doz. 22.10
Breakfast Forks	per doz. 19.80
Dinner Forks	per doz. 22.10

SUPER PLATE
(Stamped Holmes & Edwards XIVHE)

Tea Spoons	Plain Box $8 14 doz.
Tea Spoons	Super Case or Super Roll 9 18 doz.
Dessert Spoons	Plain Box 14 84 doz.
Dessert Spoons, Super Case or Super Roll	15 78 doz.
Table Spoons	Plain Box 16 68 doz.
Table Spoons, Super Case or Super Roll	17 72 doz.
Breakfast Forks	Plain Box 14 84 doz.
Breakfast Forks, Super Case or Super Roll	15 78 doz.
Dinner Forks	Plain Box 16 68 doz.
Dinner Forks, Super Case or Super Roll	17 72 doz.

SPOONS

R. B. Soup	Super Case	$17 72 doz.
Sugar Shell	Plain Box	15 76 doz.
Sugar Shell	Super Case	1 48 each
A. D. Coffee	Super Case	8 14 doz.
5 O'clock Tea	Super Case	9 10 doz.
Orange	Super Case	10 64 doz.
Bouillon	Super Case	15 76 doz.
Educator	Super Case	08 each
Berry Shell	Super Case	3 24 each
Iced Tea	Plain Box	11 76 doz.
Iced Tea	Super Case	2 80 doz.
Baby Bent	Super Case	08 each
Olive	Super Case	1 96 each

FORKS

Tea	Plain Box	$12 14 doz.
Oyster	Super Case	10 30 doz.
Pickle	Super Case	1 38 each
Ice Cream	Super Case	12 88 doz.
Cold Meat	Super Case	2 22 each
Individual Salad	Super Case	16 68 doz.
Educator	Super Case	1 08 each
Cake	Super Case	2 22 each

KNIVES

Butter	Plain Box	$18 20 doz.
Butter	Super Case	1 68 each
Butter Spreaders	Super Case	14 38 doz.

LADLES

Cream	Super Case	$1 96 each
Gravy	Super Case	2 66 each
Soup	Super Case	7 84 each

MISCELLANEOUS

Sugar Tongs	Super Case	$2 66 each
Tomato Server	Super Case	3 54 each
Jelly Server	Super Case	1 70 each

HOLLOW HANDLE CUTLERY
(Dinner and Breakfast Knives may be had in Super Roll without extra charge)

H H Dinner Knives	Super Case	$26 38 doz.
H. H Breakfast Knives	Super Case	26 06 doz.
H. H Dinner Forks	Super Case	26 38 doz.
H. H Child's Knives	Super Case	26 38 doz.
H H Fruit Knives	Super Case	26 38 doz.
H H Pie Server	Super Case	4 86 each
3-Piece H H Carving Set 7"	Super Case	16 68 each
2-Piece H H Carving Set 7"	Super Case	11 88 each

SILVERWELD KNIVES
(Solid Pattern Handle with Steel Blade)
Silverweld Knives . . . . . Super Case $17.82 doz.

SUPER PLATE
Each set in Super Case

2-PIECE SETS

Sugar Shell and Butter Knife	$3 16 each
Educator Spoon and Fork	2 16 each
Berry Shell and Cold Meat Fork	5.76 each
H H Salad Spoon and Fork with Olive-wood Bowl and Tines	11.68 each

3-PIECE SETS

Student's Tea, Breakfast Fork, H H Knife	$4 64 each
Child's Set (Flat Knife)	3 45 each
Child's Set (H. H. Knife)	4 36 each

12-PIECE SETS
Knife and Fork Sets

6 H H Dinner Knives and 6 Dinner Forks	Silver Inlaid Super Plate
Super Case	$24.26 $21 54 each
6 Silverweld Knives and 6 Dinner Forks	
Super Case	$19 98 $17.26 each
6 H. H. Breakfast Knives and 6 Breakfast Forks	
Super Case	$22 94 $20 46 each
6 Silverweld Knives and 6 Breakfast Forks	
Super Case	$18.76 $16.28 each

H & E-6-22

INTERNATIONAL SILVER CO.

HOLMES & EDWARDS
CHESTS

No. 626

THESE three popular chests are exclusive Holmes & Edwards designs and may be had only with Holmes & Edwards silverware.

No. 626 SUPER CASE

Case furnished without charge

26-PIECE ASSORTMENT

Six Tea Spoons, Six Table Spoons, Six Dinner Forks, Six H. H. Dinner Knives, One Sugar Shell and Butter Knife

Silver Inlaid	$43 66
Super Plate	36.89

No. 926

No. 926 ARTCRAFT PRESENTATION CHEST

26-PIECE ASSORTMENT

Six Tea Spoons, Six Table Spoons, Six Dinner Forks, Six H. H. Dinner Knives, One Sugar Shell and Butter Knife

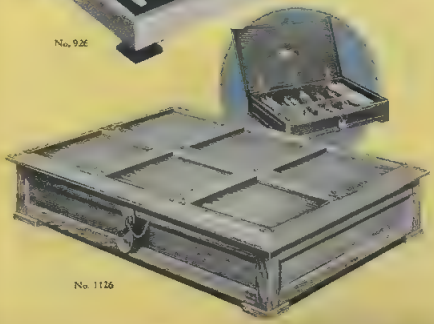
Silver Inlaid	$57 45
Super Plate	50.46

No. 950 ARTCRAFT PRESENTATION CHEST

50-PIECE ASSORTMENT

Twelve Tea Spoons, Six H. H. Dinner Knives, Six Dinner Forks, Six H. H. Breakfast Knives, Six Breakfast Forks, Six Individual Salad Forks, Six Table Spoons, One Sugar Shell and Butter Knife

Silver Inlaid	$94 46
Super Plate	83 41



No. 1126

No. 1126 HADDON HALL CHEST

26-PIECE ASSORTMENT

Six Tea Spoons, Six Table Spoons, Six Dinner Forks, Six H. H. Dinner Knives, One Sugar Shell and Butter Knife

Silver Inlaid	$59.01
Super Plate	52.03

No. 1150 HADDON HALL CHEST

50-PIECE ASSORTMENT

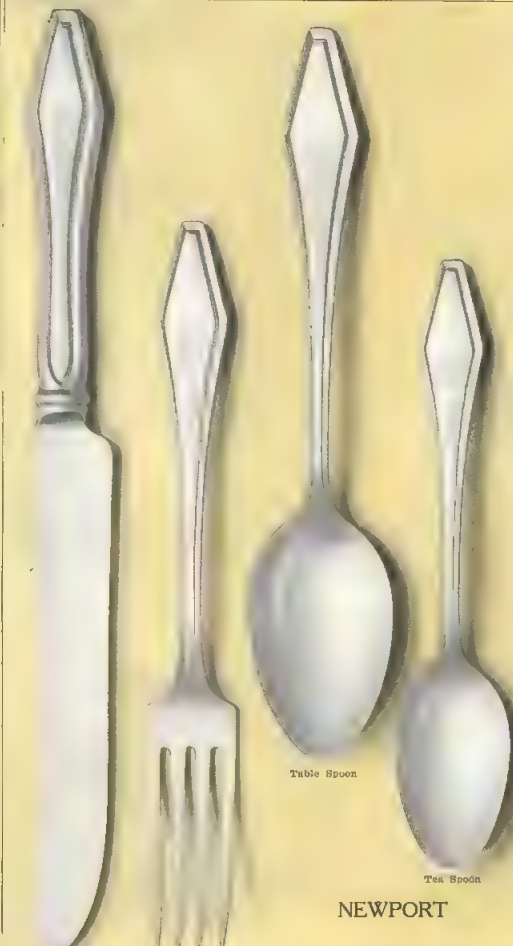
Twelve Tea Spoons, Six H. H. Dinner Knives, Six Dinner Forks, Six H. H. Breakfast Knives, Six Breakfast Forks, Six Individual Salad Forks, Six Table Spoons, One Sugar Shell and Butter Knife

Silver Inlaid	$96 02
Super Plate	84 97

H & E. 6-22

INTERNATIONAL SILVER CO.

HOLMES & EDWARDS
SILVERWARE



Illustrations Full Size

SILVER INLAID
(Stamped Holmes & Edwards Silver Inlaid)
Sets of Six. In lined Super Case

5	5511	Tea Spoons, per doz..... $11.06
5	5512	Dessert Spoons per doz 15.86
5	5513	Table Spoons, per doz. 23.10
5	5514	Breakfast Forks, per doz. 19.80
6	5515	Dinner Forks, per doz 32.10

SUPER PLATE
(Stamped Holmes & Edwards XIVIIIR)

5	5516	Tea Spoons, plain box, doz. .$ 8.34
5	5517	Dessert Spoons, plain box, doz. 14.30
5	5518	Table Spoons, plain box, doz. 16.68
5	5519	Breakfast Forks, plain box, doz 14.34
5	5520	Dinner Forks, plain box, doz. 16.68

SPOONS

5	5521	R. B Soup, super case, doz. .$17.72
5	5522	Sugar Shell, super case, each 1.42
5	5523	A. D Coffee, super case, doz. 8.14
5	5524	5 O'clock Tea, super case, doz. 9.10
5	5525	Orange, super case, doz 10.84
5	5526	Bouillon, super case. doz 15.76
5	5527	Berry Shell, super case, each 3.54
5	5528	Iced Tea, super case, doz 13.80
5	5529	Baby, Bent, super case each 1.09
5	5530	Olive, super case, each 1.96

FORKS

5	5531	Oyster, super case, doz. $10.30
5	5532	Pickle, super case, each 1.38
5	5533	Ice Cream, super case, doz. 12.86
5	5534	Cold Meat, super case, each. 2.32
5	5535	Individual Salad, super case, doz. 16.68
5	5536	Cake, super case, each 2.25

KNIVES

5	5537	Butter, super case, each ...$ 1.68
5	5538	Butter Spreaders, super case, doz 14.38

LADLES

5	5539	Cream, super case, each . . $ 1.96
5	5540	Gravy, super case, each 2.66
5	5541	Soup, super case, each 7.34

MISCELLANEOUS

5	5542	Sugar Tongs, super case, each ..... $ 2.66
5	5543	Tomato Server, super case each 3.54
5	5544	Jelly Server super case each 1.70

HOLLOW HANDLE CUTLERY
(Dinner and Breakfast Knives may be had in Super Roll without extra charge)

5	5545	H. H. Dinner Knives, super case, doz. $36.38
5	5546	H. H Breakfast Knives, super case, doz 26.06
5	5547	H. H Dinner Forks, super case doz 26.38
5	5548	H. H Fruit Knives, super case doz. 26.38
5	5549	H H Pie Server, super case, each 4.86
5	5550	3-Piece H H Carving Set, 7" super case, each. 16.68
5	5551	2-Piece H H Carving Set, 7" super case, each. 11.88

SILVERWELD KNIVES
(Solid Pattern Handle with Steel Blade)

5	5552	Silverweld Knives, super case, doz..... ..... $17.82

SUPER PLATE
2-PIECE SETS

5	5553	Sugar Shell and Butter Knife, per set..... .....$ 3.16
5	5554	H. H. Salad Spoon and Fork with Oilswood Bowl and Tines, super case. set..... 11.88

3-PIECE SETS

5	5555	Child's Set (Plat Knife), set $3.48
5	5556	Child's Set (H. H. Knife), set 4.38

12-PIECE SETS
Knife and Fork Sets

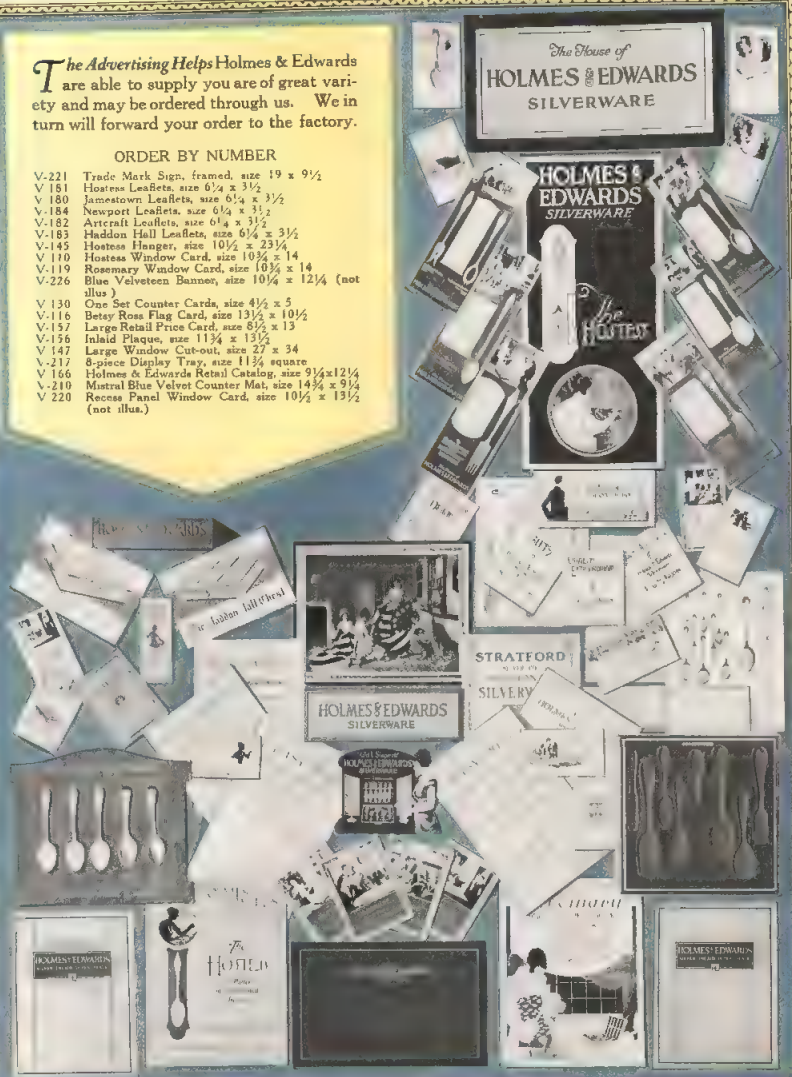
5	5557	6 H. H. Dinner Knives and 6 Dinner Forks super case, silver inlaid $34.26
5	5558	Super plate 21.54
5	5559	6 Silverweld Knives and 6 Dinner Forks, super case silver inlaid. 19.98
5	5560	Super plate 17.26
5	5561	6 H. H Breakfast Knives and 6 Breakfast Forks, super case, silver inlaid... ..... 23.94
5	5562	Super plate 20.46
5	5563	6 Silverweld Knives and 6 Breakfast Forks, super case, silver inlaid 18.76
5	5564	Super plate 16.28

INTERNATIONAL SILVER CO.

The Advertising Helps Holmes & Edwards are able to supply you are of great variety and may be ordered through us. We in turn will forward your order to the factory.

ORDER BY NUMBER

V-221	Trade Mark Sign, framed, size 19 x 9½
V 181	Hostess Leaflets, size 6¼ x 3½
V 180	Jamestown Leaflets, size 6¼ x 3½
V-184	Newport Leaflets, size 6¼ x 3½
V-182	Artcraft Leaflets, size 6¼ x 3½
V-183	Haddon Hall Leaflets, size 6¼ x 3½
V-145	Hostess Hanger, size 10½ x 23¼
V 110	Hostess Window Card, size 10¾ x 14
V-119	Rosemary Window Card, size 10¾ x 14
V-226	Blue Velveteen Banner, size 10¼ x 12¼ (not illus.)
V 130	One Set Counter Cards, size 4½ x 5
V-116	Betsy Ross Flag Card, size 13½ x 10½
V-157	Large Retail Price Card, size 8½ x 13
V-156	Inlaid Plaque, size 11¾ x 13½
V 147	Large Window Cut-out, size 27 x 34
V-217	8-piece Display Tray, size 11¾ square
V 166	Holmes & Edwards Retail Catalog, size 9¼x12¼
V-210	Mistral Blue Velvet Counter Mat, size 14¾ x 9¼
V 220	Recess Panel Window Card, size 10½ x 13½ (not illus.)



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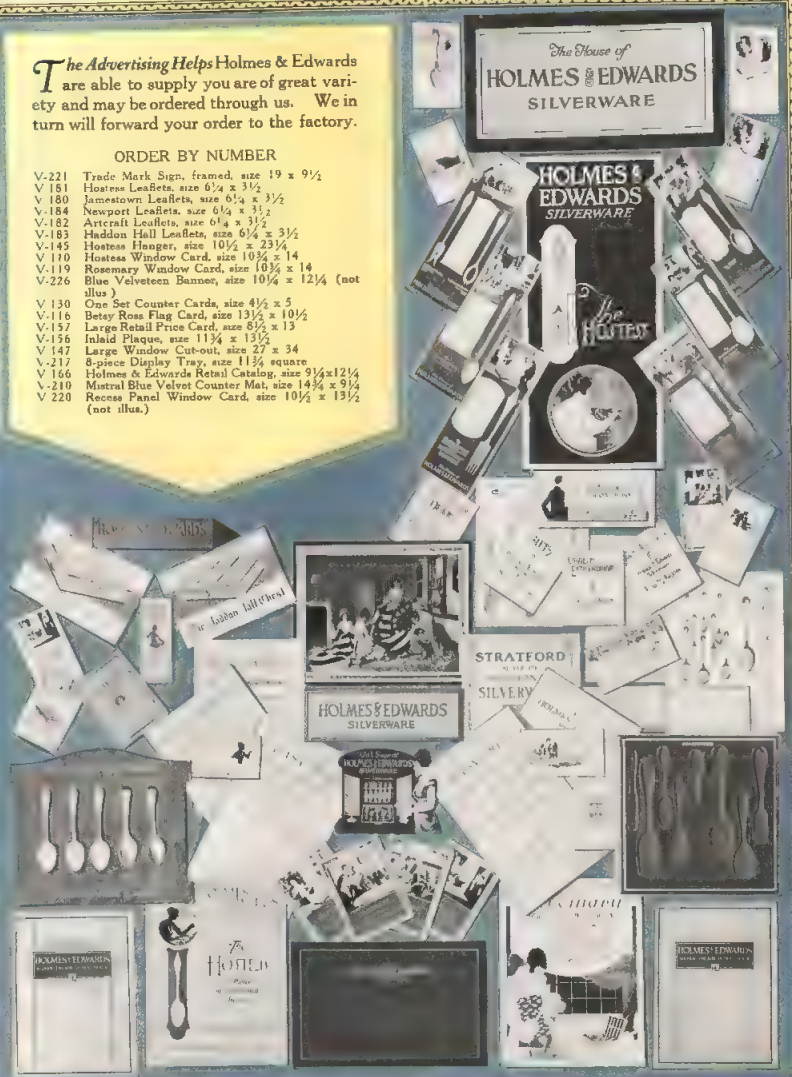
V 181	Hostess Leaflets, size 6¼ x 3½
V 180	Jamestown Leaflets, size 6¼ x 3½
V-184	Newport Leaflets, size 6¼ x 3½
V-182	Artcraft Leaflets, size 6¼ x 3½
V-183	Haddon Hall Leaflets, size 6¼ x 3½
V-145	Hostess Hanger, size 10½ x 23¼
V 110	Hostess Window Card, size 10¾ x 14
V-119	Rosemary Window Card, size 10¾ x 14
V-226	Blue Velveteen Banner, size 10¼ x 12¼ (not illus.)
V 130	One Set Counter Cards, size 4½ x 5
V-116	Betsy Ross Flag Card, size 13½ x 10½
V-157	Large Retail Price Card, size 8½ x 13
V-156	Inlaid Plaque, size 11¾ x 13½
V 147	Large Window Cut-out, size 27 x 34
V-217	8-piece Display Tray, size 11¾ square
V 166	Holmes & Edwards Retail Catalog, size 9¼x12¼
V-210	Mistral Blue Velvet Counter Mat, size 14¾ x 9¼
V 220	Recess Panel Window Card, size 10½ x 13½ (not illus.)



INTERNATIONAL SILVER CO.

"CAPITOL" WHITE & GOLD

"HOMER LAUGHLIN" TRADEMARKED. Light weight white semi-porcelain, highly glazed, new shapes, 3-16 in. gold band edges, gold ornamented handles. **Open stock,** sold in any quantity. **No Package Charge.**

DINNER SETS

E11895—32 piece set.

6 tea cups, 6 fruits, 4 in.
6 saucers, 1 platter, 8 in.
6 plates, 4 in. 1 baker, 7 in.
6 plates, 6 in.

Shipping weight about 30 lbs
SET (32 pcs.) **$3.25**

E11890—42 piece set.

6 tea cups, 1 bowl, 30's.
6 saucers, 1 platter, 8 in.
6 plates, 4 in. 6 fruits, 4 in.
6 plates, 6 in. 1 creamer,
6 plates, 7 in. 1 covd. sugar (2 pcs.).
1 baker, 7 in.

Shipping weight about 40 lbs
SET (42 pcs.) **$5.50**

NO PACKAGE CHARGE

E11896—50 piece set.

6 tea cups, 1 salad, 7 in.
6 saucers, 1 bowl, 30's
6 plates, 4 in. 1 platter, 10 in.
6 plates, 6 in. 1 creamer
6 plates, 7 in. 1 covd. sugar (2 pcs.)
6 coupe soups. 1 covd. dish (2 pcs.).
6 fruits, 4 in.

Shipping weight about 60 lbs.
SET (50 pcs.) **$7.75**

E11893—100 piece set.

12 tea cups, 12 fruits, 4 in.
12 saucers, 1 covd sugar (2 pcs.).
12 plates, 4 in. 1 creamer,
12 plates, 6 in. 1 butter dish (2 pcs.).
12 plates 7 in. 1 casserole (2 pcs.).
12 coupe soups. 1 covd. dish, 7 in
1 baker, 7 in. (2 pcs.)
1 platter, 8 in. 1 sauce bowl (2 pcs.)
1 platter, 12 in. 1 pickle dish.

Shipping we about 90 lbs
SET (100 pcs.) **$16.50**

OPEN STOCK

CUPS AND SAUCERS—
E11800—Tea 5½x2¾ in., saucer 5½
Doz. **$2.60**
E11802—Cyrde 3¾x2¾ in., saucer 5½
Doz. **$2.60**
E11805—Coffee 3¾x2¾, saucer 5½
Doz. **$2.95**

PLATES—
E11810—6 in. sct. 6.....Doz. **$1.15**
E11811—7 in., sct. 7..... " **1.20**
E11812—8 in., sct. 8..... " **1.60**
E11813—9 in. sct. 9..... " **2.00**
E11814—10 in. sct. 9½..... " **2.50**
E11817—Coupe soup, 7 in., sct. 8
Doz. **$2.20**
E11816—Deep soup, 7 in., sct. 8
Doz. **$2.25**

BAKERS—
E11824—7 in., sct. 8¾x6¾. Doz. **$3.50**

BOWLS—
E11830—30's . . . .Doz. **$2.30**
E11831—10's . . . " **2.80**
E11832—Oysters 36's " **2.30**

PLATTERS—
E11843—8 in., sct. 11½. . .Doz. **$2.80**
E11845—10 in., sct. 13½. . " **5.25**
E11847—12 in., sct. 15¾. . " **8.75**

SALADS—
E11852—7 in. sct. 8½ Doz **$3.50**
E11853—9 " 10½ " **5.00**
E11854—10 " 12 " **6.25**

FRUIT—
E11860—4 in., sct. 5½.....Doz. **$0.80**

OATMEAL—
E11866—36's.....Doz. **$1.80**

JUGS—
E11870—36's.....Doz. **$4.00**
E11872—24's..... " **5.75**

CREAMER—
E11876—30's.....Doz. **$3.50**

COVERED SUGAR—
E11877—30's.....Doz. **$6.95**

COVERED BUTTER—
E11878—7½ in.....Doz. **$10.50**

INDIVIDUAL BUTTER—
E11879—3½ in.....Doz **$0.58**

COVERED DISHES—Oval
E11880—7 in. . . .Doz **$12.15**

CASSEROLE Round
E11883—7 in. .....Doz **$13.95**

SAUCE BOAT—Without stand.
E11885—7x3½ in.....Doz. **$4.75**

PICKLE DISH—
E11886—8½x3½ in.....Doz. **$3.50**

"PRESIDENTIAL" MEDALLION BORDER

"HOMER LAUGHLIN" TRADEMARKED. "Kwaker" shape, white semi-porcelain, blue, green, pink and yellow conventional medallion urn and ornament border with connecting dark blue hairlines, gold edges and striped handles on hollow pieces. **Open stock,** sold in any quantity. **No Package Charge.**

DINNER SETS

E13790—42 piece set.

6 tea cups, 1 bowl, 30's
6 saucers, 1 platter, 8 in
6 plates, 4 in 6 fruits, 4 in
6 plates, 6 in. 1 creamer
6 plates 7 in. 1 covd. sugar (2 pcs.)
1 baker, 7 in.

Shipping weight about 40 lbs.
SET (42 pcs.) **$6.50**

E13793—100 piece set.

12 tea cups, 1 baker 7 in.
12 saucers, 1 platter, 8 in.
12 plates, 4 in 1 platter 12 in.
12 plates, 6 in 12 fruits, 4 in.
12 plates, 7 in 1 covd sugar (2 pcs.).
12 coupe soups 1 creamer
Shipping weight about 90 lbs.

E13796—50 piece set.

6 tea cups, 1 salad, 7 in.
6 saucers 1 bowl 30's.
6 plates, 4 in 1 platter 10 in.
6 plates, 6 in 1 creamer
6 plates, 7 in 1 covd sugar (2 pcs.)
6 coupe soups 1 covd dish 2 pcs.)
6 fruits, 4 in

Shipping weight about 50 lbs.
SET (50 pcs.) **$9.05**

2 butter dish (3 pcs.).
1 casserole (2 pcs.)
1 covd. dish 7 in (2 pcs.)
1 sauce boat (3 pcs.).
1 pickle dish.

SET (100 pcs.) **$18.85**

OPEN STOCK

CUP AND SAUCER—
E13760—Tea 3¾x2¾ in., saucer 5½
Doz. **$2.95**
E13705—Coffee, 3¾x2¾, saucer 5½
Doz **$3.50**

PLATES—
E13710—4 in., sct. 6. Doz. **$1.32**
E13711 5 " 7 " **1.50**
E13712 6 " 8 " **1.85**
E13713 7 " 9 " **2.40**
E13714 8 " 10½ " **2.88**
E13717—Coupe soup, 7 in., sct. 7½
Doz **$2.40**

BAKER—
E13724—7 in. sct. 8¾.....Doz. **$4.00**

BOWL—
E13731—30's . . . . Doz. **$3.40**

PLATTERS—
E13743—8 in., sct. 11½....Doz. **$3.50**
E13746 10 " " 13½ " **6.00**
E13747—12 " " 15¾. . " **10.80**

SALAD—
E13752 7 in., sct. 8½ Doz. **$4.00**

FRUIT—
E13760—4 in. sct. 5½ Doz. **$1.05**

OATMEAL—
E13765—36's ..... Doz. **$2.15**

CREAMER—
E13776 30's . . . . Doz. **$4.00**

COVERED SUGAR—
E13777 30's Doz **$7.95**

COVERED BUTTER—With drainer
E13778 Doz. **$11.95**

COVERED DISH—Oval.
E13780 7 in . Doz. **$13.95**

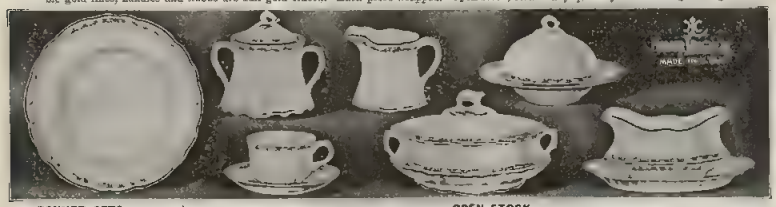
CASSEROLE Round
E13783 7 in Doz **$15.95**

SAUCE BOAT With stand.
E13784—7x3½ in..... Doz. **$11.95**

PICKLE DISH
E13786—8½x3½ in.....Doz. **$4.00**

"HUDSON"

"Homer Laughlin" trademarked. Light wt., pure white semi-porcelain, first selection, festoon embossed shape, has gold edge & inner wreath border, covered dishes and all hollow pieces come with dainty gold lines, handles and knobs are full gold traced. Each piece wrapped. Open stock, sold in any quantity. No Package Charge.



DINNER SETS

E11190—42 piece set.
Shipping wt. about 40 lbs. ..... NET **$6.15**

E11196—50 piece set.
Shipping wt. about 50 lbs. ..... NET. **$8.65**

E11193—100 piece set.
Shipping wt. about 90 lbs. ..... NET. **$18.05**

For composition of sets see bottom of page

OPEN STOCK

CUP AND SAUCER—
E11900—Tea 3¾x2½ in., saucer 5½. Doz. **$2.85**

PLATES—
E11910 4 in., act. 6¼ ..... Doz **$1.28**
E11911—5 " " 7¼ ..... " **1.44**
E11912—6 " " 8½ ..... " **1.76**
E11913—7 " " 9¾ ..... " **2.25**
E11914—8 " " 10¾ ..... " **2.75**
E11917 Compe soup 7 in. act. 8 ..... Doz. **$2.25**

BAKER—
E11924—7 in., act. 8x6¾ .. Doz. **$3.65**

BOWL—
E11931—30's ..... Doz. **$3.25**

PLATTERS—
E11941— 8 in., act. 11¼x8¾ ..... Doz **$3.25**
E11946—10 " 13¾x10 ..... " **6.00**
E11947—12 " 15¾x11¾ ..... " **10.00**

SALAD—
E11952—7 in., act. 8¾ .... Doz. **$3.85**

FRUIT—
E11960—4 in., act. 5 ..... Doz. **$0.98**

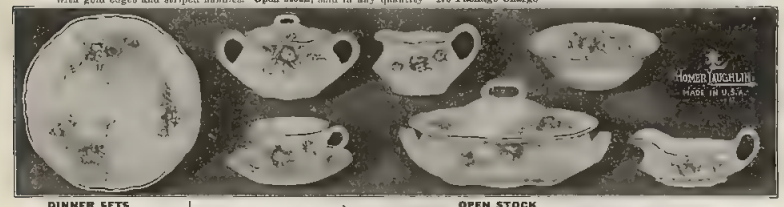
OATMEAL
E11965—30's ..... Doz. **$2.00**

CREAMER—
E11976—30's ..... Doz. **$3.85**

COVERED SUGAR—
E11977—30's ..... Doz. **$7.75**
COVERED BUTTER—With drainer
E11978 ..... Doz **$11.50**
INDIVIDUAL BUTTER—
E11979 3¼ in ..... Doz **$0.84**
COVERED DISH—Oval
E11986—7 in ..... Doz. **$13.50**
CASSEROLE—Round
E11985—7 in ..... Doz **$15.75**
SAUCE BOAT—Attached stand
E11984 6¼x2¾ in ..... Doz. **$11.50**
PICKLE DISH—
E11986—8¼x5¾ in... ..Doz. **$3.85**

"CENTURY"

"Homer Laughlin" trademarked Light wt. white semi-porcelain first selection scalloped edge, hollow pieces panel indented, decorated pink rose sprays and cherry blossoms, green foliage. All pieces with gold edges and striped handles. Open stock, sold in any quantity No Package Charge



DINNER SETS

E12290—42 piece set.
Shipping wt. about 40 lbs. NET **$6.25**

E12293—100 piece set.
Shipping wt. about 90 lbs. NET **$17.50**

For composition of sets see bottom of page.

OPEN STOCK

CUP AND SAUCER—
E12900—Tea 3¾x2½ in., saucer 5½. Doz **$2.88**

PLATES—
E12905 Coffee 5¼x2½ saucer Doz. **$3.36**
E12910 4 in act 6¼ Doz **$1.28**
E12911 5 " " 7¼ " **1.44**
E12912 6 " " 8½ " **1.76**
E12913 7 " " 9¾ " **2.25**
E12914 8 " " 10¾ " **2.75**
Deep soup 7 in act. 9 ..... Doz **$2.55**
E12917 Compe soup 7 in., act. 8 ..... Doz. **$2.25**
BAKER—
E12924—7 in., act. 8¼x6¾ .. Doz **$3.85**

BOWL—
E12931—30's. 4¾x2½ ..... Doz. **$3.25**

PLATTERS—
E12941—8 in., act. 11¼x8¾ ... Doz **$3.50**
E12946—10 " 13¾x10¼ ... " **5.85**
E12947—12 " " 15¾x11¾ ... " **10.25**

SALAD—
E12952—7 in act. 9 ..... Doz. **$3.85**

FRUIT—
E12960—4 in act. 5 .. Doz **.96**

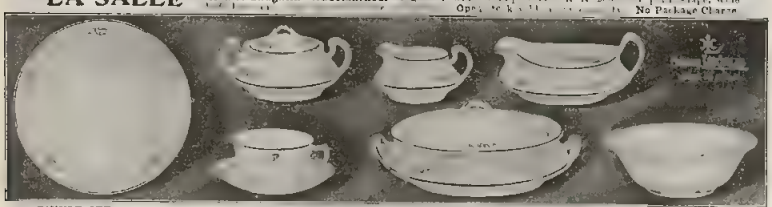
OATMEAL
E12965 30's act. 6¼ Doz **$2.10**

CREAMER—
E12976—30's. ht. 2¾ ..... Doz. **$3.85**

COVERED SUGAR—
E12977—30's. ht. 4 .... Doz. **$7.75**
COVERED BUTTER—With drainer
E12978 ..... Doz **$11.50**
INDIVIDUAL BUTTER—
E12979 3¼ in Doz. **$0.96**
COVERED DISH—Oval
E12986 7 in Doz **$13.50**
CASSEROLE—Round
E12985 7 in Doz **$15.80**
SAUCE BOAT—Without stand
E12984 6¼x2¾ in Doz **$5.15**
PICKLE DISH—
E12986—8¼x5¾ in Doz **$3.85**

"LA SALLE"

"Homer Laughlin" trademarked. Light wt. white semi-porcelain, first selection, wide [illegible] Open stock, sold in any quantity No Package Charge.



DINNER SETS

E12691—31 piece set.
Shipping wt. about 30 lbs. NET. **$4.15**

E12690—42 piece set.
Shipping wt. about 40 lbs. **$7.05**

E12696—50 piece set.
Shipping wt. about 50 lbs. NET. **$9.75**

E12693—100 piece set.
Shipping wt. about 90 lbs. NET **$19.65**

For composition of sets see bottom of page

OPEN STOCK

CUPS AND SAUCERS—
E12600—Tea 3¾x2½ in., saucer 5½. Doz **$3.25**
E12602 Demi 3¼x2 in., saucer 5½. Doz. **$3.25**
E12605—Coffee 2¾x2½, saucer 5½. Doz **$3.85**

PLATES—
E12610 4 in act 6 Doz **$1.45**
E12611 5 " 7 " **1.65**
E12612 6 " 8 " **2.00**
E12613—7 " 9 " **2.60**
E12614—8 " 10¾ " **3.10**
E12615 Compe soup 8 in act 7½ ..... Doz. **$2.60**

BAKER—
E12624 7 in act 8½ ..... Doz **$4.20**

BOWL—
E12631 30's ..... Doz **$3.60**

PLATTERS—
E12641 8 in act 11½ ..... Doz **$3.75**
E12646—10 " 13¾ ..... " **6.50**
E12647—12 " " 15¾ ..... " **11.00**

FRUIT
E12660 4 in act. 5¾ ..... Doz **$1.08**

OATMEAL
E12665—30's. 5¾x2¾ ..... Doz. **$2.25**

CREAMER—
E12676 30's ..... Doz **$4.20**

SAUCER
E12677 3 in act 8 .. Doz **$4.20**

COVERED SUGAR—
E12677 30's ..... Doz **$8.70**
COVERED BUTTER With drainer
E12678 ..... Doz **$13.20**
INDIVIDUAL BUTTER—
E12679 3¼ in Doz **$0.72**
COVERED DISH—Oval
E12686—7 in. ..... Doz. **$15.25**
CASSEROLE—Round
E12685 7 in Doz **$17.50**
PICKLE DISH—
E12686 8¼x5¾ in Doz **$4.20**

Composition of Our Dinner Sets

31 Piece Set

6 tea cups, 6 plates, 4 in.
6 saucers, 6 fruits, 4 in.
6 plates 6 in. 1 platter, 8 in.

We will give you quotations on any set you think you can sell.

42 Piece Set

6 tea cups. 1 bowl, 30's.
6 saucers. 1 platter, 8 in
6 plates, 6 in. 6 fruits, 4 in.
6 plates, 7 in. 1 cov'd sugar (2 pcs.)
6 plates, 7 in. 1 creamer.
1 platter, 11 in.

50 Piece Set

6 tea cups. 1 nappy, 7 in.
6 saucers. 1 bowl, 30's.
6 plates, 4 in. 1 dish, 10 in.
6 plates, 5 in. 1 creamer.
6 plates, 7 in. 1 cov'd sugar (2 pcs.)
6 compe soups. 1 cov'd dish (2 pcs.).
6 fruits, 4 in.

100 Piece Set

12 tea cups. 12 fruits, 4 in
12 saucers. 1 cov'd sugar (2 pcs.).
12 plates, 4 in 1 creamer.
12 plates, 5 in. 1 butter dish (3 pcs.)
12 plates, 7 in. 1 casserole (2 pcs.).
12 compe soups. 1 dish, 10 in
1 bowl, 9 in. 1 platter, 8 in.
1 platter, 11 in. 1 sauce boat (3 pcs.).
1 platter, 13 in. 1 pickle dish

CROCKERY DEPARTMENT

Ask any merchant who knows and he will tell you that you save money on any bill of crockery that you buy from these pages. It pays to study these prices every month.

"CAPITOL" WHITE & GOLD

"HOMER LAUGHLIN" trademarked. Light weight white semi-porcelain, highly glazed, new shapes, 3416 m. gold band edges, gold ornamented handles. **Open stock,** sold in any quantity. **No Package Charge.**

DINNER SETS

E11895—32 piece set.
Shipping wt. about 30 lbs. SET, **$3.25**

E11890—42 piece set.
Shipping wt. about 40 lbs. SET **$5.50**

E11896 50 piece set.
Shipping wt. about 50 lbs. SET. **$7.75**

E11893—100 piece set.
Shipping wt. about 80 lbs. SET. **$16.50**

For composition of sets see bottom of page

OPEN STOCK

CUPS AND SAUCERS
E11808—Tea [illegible] in., saucer [illegible] Doz. **$2.50**
E11802—Oxide 3½x2½ in., saucer [illegible] Doz. **$2.50**
E11805—Coffee 3 [illegible] saucer [illegible] Doz. **$2.95**

PLATES
E11819 6 in., act. 6 Doz **$1.15**
E11811 5 in. " " **1.25**
E11812 6 in. " " **1.60**
E11813 7 in. " " **2.00**
E11814 8 in. " " **2.60**
E11817 Coupe soup 7 in. act. 6 Doz **$2.20**
E11816—Deep soup, 7 in., act. 6 Doz. **$2.25**

BAKERS
E11824—7 in., act. 8½x6¾ Doz. **$3.50**

BOWLS
E11840—[illegible] Doz. **$2.30**
E11831—6½ in. " **2.95**
E11833—[illegible] 8½ in. " **3.50**

PLATTERS
E11843 8 in. act 11 " Doz **$2.85**
E11845 10 " 13½ " **3.25**
E11847 12 in. 17½ " **3.75**

SALADS—
E11852—7 in. act 8½ Doz **$3.50**
E11853 8 " 7 " **4.25**
E11854—8 " 11 " **5.25**

RELISH
E11860—4 in. act 5½ Doz. **$0.80**

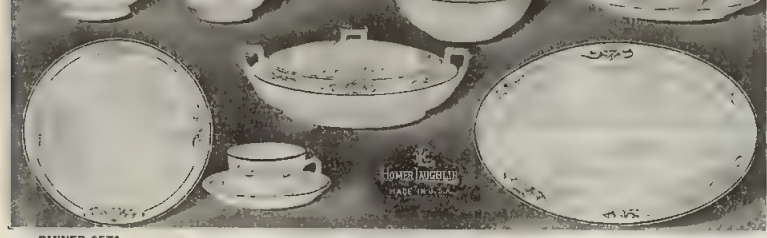
OATMEAL—
E11865—8½ in. Doz. **$1.80**

JUGS
E11870 ½ pt. Doz **$4.00**
E11875 1 pt. " **6.75**

CREAMER
E11876—3½ [illegible] Doz. **$3.50**
COVERED SUGAR—
E11877—3½ [illegible] Doz. **$6.95**
COVERED BUTTER
E11878—7½ in. Doz. **$10.50**
INDIVIDUAL BUTTER
E11879—2 [illegible] Doz. **$0.55**
COVERED DISHES—Oval
E11880—7 in. Doz. **$12.15**
CASSEROLE—Round,
E11882—7 in. Doz. **$13.95**
SAUCE BOAT—Without stand.
E11885—7x4¼ in. Doz. **$4.75**
PICKLE DISH
E11886—8½x5½ in. Doz. **$3.50**

PRESIDENTIAL MEDALLION BORDER

"HOMER LAUGHLIN" trademarked. "Kwaker" shape, white semi-porcelain, blue, green, pink and yellow conventional medallion urn and ornament border with connecting dark blue hairlines, gold edges on [illegible] hollow pieces. **Open stock,** sold in any quantity. **No Package Charge.**



DINNER SETS

E13790—42 piece set.
Shipping weight about 40 lbs. SET **$6.50**

E13796—50 piece set.
Shipping weight about 50 lbs. SET. **$9.05**

E13793—100 piece set.
Shipping weight about 90 lbs. SET. **$18.85**

For composition of sets see bottom of page

OPEN STOCK

CUPS AND SAUCERS
E13709—Tea 3½x3¾ in., saucer 5½ Doz. **$2.95**
E13705—Coffee, 3½x2¾, saucer 5½ Doz. **$3.50**

PLATES
E13710—4 in., act. 6 Doz **$1.32**
E13711—5 " 7 " **1.50**
E13712 6 " 8 " **1.65**
E13713 7 " 9 " **2.40**
E13714 8 " 9½ " **2.65**
E13717 Coupe soup 7 in. act. 7½ Doz **$2.40**

BAKER
E13724—7 in. act. 8½ Doz. **$4.00**
BOWL
[illegible] 10 in. Doz. **$3.40**
PLATTERS
E13743—8 in. act. 11½ Doz **$3.50**
E13745 10 " 13½ " **6.00**
E13747 12 " 15½ " **10.50**
SALAD
E13752—7 in. act. 8½ Doz. **$4.00**
RELISH—
E13760 4 in. act. 5½ Doz. **$1.05**
OATMEAL—
E13765—8½ Doz. **$2.15**

CREAMER
E13776—3½ Doz. **$4.00**
COVERED SUGAR
E13777—3½ Doz. **$7.95**
COVERED BUTTER—With drainer.
E13778 Doz **$11.95**
COVERED DISH Oval
E13780 in. Doz. **$13.95**
CASSEROLE—Round
E13782—7½ Doz. **$16.95**
SAUCE BOAT—With stand
E13784—7 in. Doz. **$11.95**
PICKLE DISH
E13786—8½x5½ in. Doz. **$4.00**

Composition of Our Dinner Sets

32 Piece Set

6 tea cups, 6 plates 4 in
6 saucers, 6 fruits 4 in.
6 plates, 6 in. 1 platter, 8 in.
1 baker 7 in

We will give you quotations on any set you think you can sell.

42 Piece Set

6 tea cups, 1 sugar
6 saucers, 1 platter 8 in
6 plates 6 in 6 fruits 4 in
6 plates 5 in 1 bowl sugar 2 pcs
6 plates, 7 in, 1 creamer,
6 soups
1 baker, 7 in.

50 Piece Set

6 tea cups 1 soup 7 in
6 saucers 1 bowl 9½
6 bakers 6 in 1 dish 10 in
6 plates 5 in 1 cream
6 plates 7 in 1 cover sugar (2 pcs.)
6 soups 1 cover dish (2 pcs.)
6 fruits 4 in

100 Piece Set

12 tea cups 12 fruits 4 in
12 saucers 1 cover sugar (2 pcs.)
12 plates 6 in 1 creamer
12 plates 5 in 1 butter (3 pcs.)
12 plates 7 in 1 cream (2 pcs.)
12 soups 7 in. 1 cover dish, 7 in.
1 baker 7 in. (3 pcs.)
2 platters, 8 in. 1 sauce boat (2 pcs.)
1 platter, 12 in. 1 pickle dish

ELECTRIC PORTABLE LAMPS

ELECTRIC BOUDOIR LAMPS

10½ in. high beaded white enamel cast metal base, 12 in. silk shade on metal fringe brass shade holder (6 ft. white silk cord, push button socket, swivel plug, 1 in carton, 17 lbs.

2C3176 — With old rose silk shade.

2C3180 — With blue silk shade in shipping carton.

Each **$2.75**

"DIM-A-LITE" PORTABLE

2C4488—Solid brass, adjustable universal holder, attaches to bed, crib chair, bureau etc., felt covered at points of contact to prevent scratching etc., 8 ft. silk cord Benjamin plug, long double chain pull gives 5 changes of light—full half, dim, nite lite and out. Saves 30 to 60% of current used with 110 to 125 volt lamps; any wattage up to 60 1 in carton without bulb

Each, **$4.00**

"FLEX-LITE" DESK LAMP

21 in. high adjustable in any direction parabolic shade key socket, wired complete with 5 ft. mercerized parallel cord Benjamin swivel plug 1 in case, 12 lbs.

2C3228—Pinchik finish. Each **$2.75**

2C3229 Pompeian finish Each **$2.85**

WALLACE ELECTRIC PORTABLE LAMP

2C3262 12 in. high solid brass satin finish adjustable shade push button socket, spring in base clamps to back of chair bed dresser, etc., 8 ft. extension cord swivel plug without bulb. 1 in carton 1½ lbs.

Each **$2.65**

MAHOGANY BASE ELECTRIC TABLE LAMP

2C8051—2 light, hand turned mahogany base, 20 in. shirred silk top shade, tinsel braid around border sateen lining, 4 in. chenille fringe, complete with 8 ft. parallel cord and attachment plug. Blue, rose or mulberry shade. SPECIFY COLOR. 1 in pkg. ..... Each. **$12.75**

AMBER SHADE ELECTRIC TABLE LAMP

2C3164—2 light, 24 in. high antique gold finish, 16½ in round scenic shade, 6 blue glass panels green glass skirt, wired complete pull chain socket and cord and Benjamin plug No. bulbs 1 in barrel . . Each. **$13.00**

ELECTRIC LAMPS

NOTE: We cannot make allowance for breakage or damage to electric lamps in transit. We carefully pack them and deliver to carrier in good condition

"SUPERIOR" TUNGSTEN LAMPS

Equal in every way to nationally advertised brands. Have long life and give satisfactory service.

To use electric bulbs most economically they should be used according to wattage as follows: For signs and night lights, 10 watt; for halls, 15 watt, bedrooms, 25 watt; libraries, parlors, etc., 40 watt, kitchens and where extra light is desired, 50 and 60 watt; stores, warehouses and factories, 75 watt up.

Vacuum Type

110 volts 15, unskirted base, clear glass, estimated life 700 to 900 hrs.

	Candle Watts	Lots of 6 Each	Lots of 50 Each
2C4339—10	8	$0.28	$0.27
2C4341—15	13	.28	.27
2C4332—25	23	.24	.23
2C4333—40	38	.24	.23
2C4334—50	48	.24	.23
2C4335—60	60	.27	.26

Nitrogen Type

115 volt, unskirted base, clear glass, estimated life from 900 to 1,000 hrs. We recommend 115 volt lamps of this type for 110 volt circuit.

	Watts	Power	Each	Lots of 50 Each
2C4345	40	44	$0.42	$0.40
2C4349	60	70	.42	.40
			Lots of 6	Lots of 50
2C4345	75	88	$0.46	$0.43
2C4346—100		125	$0.52	$0.50

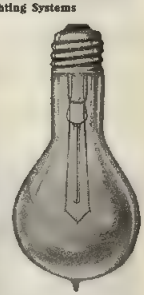
Round Frosted Vacuum Type

110 to 115 volt, unskirted base, round, all frosted bulb, estimated life 700 to 900 hrs.

	Candle Watts	Power	Lots of 5 Each	Lots of 50 Each
2C4350—25	23		$0.39	$0.37
2C4351—40	38		.42	.40

"SUPERIOR" TUNGSTEN LAMPS

For Home Lighting Systems



28-32 volts, unskirted base having 16 cell (lead type) storage battery

For use with home generating plants, outfits

Vacuum Type

	Candle Watts	Lots of 5 Each	Lots of 50 Each
2C4336—10	8	$0.30	$0.28
2C4337—15	13	.30	.29
2C4338—25	23	.30	.28
2C4339—40	38	.30	.29
2C4340—50	48	.30	.28

Nitrogen Type

	Candle Watts	Power	Lots of 5 Each	Lots of 50 Each
2C4342—	50	62	$0.42	$0.40
2C4343—	75	80	.47	.45
2C4344—100		80	.70	.68

"Superior" 40 Watt Vacuum Tungsten Lamp

The biggest selling size for household use.

2C4333—40 watt, 38 candle-power, 110 to 115 volt, unskirted base, clear glass, estimated life 700 to 900 hours

Lots of 5 Each, **$24**

Lots of 50, Each, **$23**

Vacuum Type

"MAZDA" TUNGSTEN LAMPS

Vacuum Type

110 to 115 volt, clear glass, unskirted base Estimated life 800 to 1,000 hrs

Unskirted Base—

	Candle Watts	Power	Lots of 5 Each	Lots of 50 Each
2C4329—10	8		$0.32	$0.31
2C4306—15	13		.32	.31
2C4302—25	23		.26	.25
2C4303—40	38		.32	.31
2C4210—50	48		.32	.31
2C4312—60	60		.36	.35

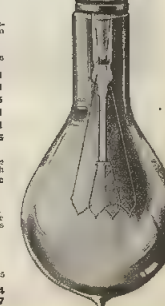
Skirted Base—

	Candle Watts	Power	Lots of 12 Each	Lots of 12 Each
2C4305—100	105		62c	58c

Nitrogen Type

115 volt, unskirted base clear glass, estimated life 1,000 hrs. We recommend 115 volt lamps of this type for 110 volt circuit.

	Candle Watts	Power	Lots of 5 Each	Lots of 25 Each
2C4288—	75	88	$0.58	$0.54
2C4299—100		125	.70	.67
2C4319—200		230	1.22	1.17

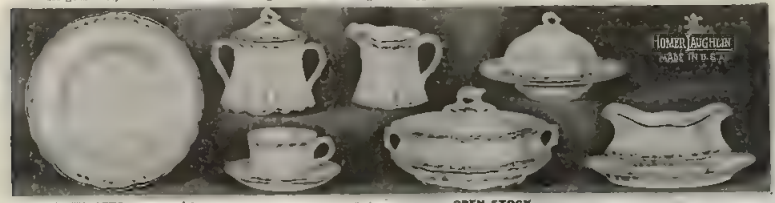


Nitrogen Type

"HUDSON"

"Homer Laughlin" trademarked. [illegible] Open stock, sold in any quantity. No Package Charge.

ble gold lines, handles and knobs are full gold traced. Each piece wrapped.



DINNER SETS

E11990—42 piece set.
Shipping wt. about 50 lbs. NET. $6.15

E11996—50 piece set.
Shipping wt. about 50 lbs. NET. $8.65

E11993—100 piece set.
Shipping wt. about 90 lbs. NET $16.05

For composition of sets see bottom of page.

OPEN STOCK

CUP AND SAUCER
E11960—Can be used for bouillon, each set Doz. $2.85

PLATES
E11931 [illegible] Doz. $1.25
E11911 [illegible] .54
E11915 [illegible] .75
E11911 [illegible] .95
E11914 [illegible] .75
E11917 Coupe soup 7 in. each 1 Doz. $2.25

BAKER
E11924—7 in., oval, 9x6½ Doz. $3.85

BOWL—
E11931 [illegible] Doz. $3.25
E11911 [illegible] 6.00
E11915 [illegible] 10.50

SALAD—7 in., oval, 8½ Doz. $3.85

FRUIT
E11932 [illegible] Doz. $5.95

OATMEAL
E11931 [illegible] Doz. $2.00

CREAMER
E11976—30's Doz. $3.85

COVERED SUGAR—
E11[illegible] Doz. $7.75

COVERED BUTTER—With drainer
E11[illegible] Doz. $11.50

INDIVIDUAL BUTTER
E11[illegible] Doz. $0.64

COVERED DISH—Oval
E11[illegible] Doz. $13.50

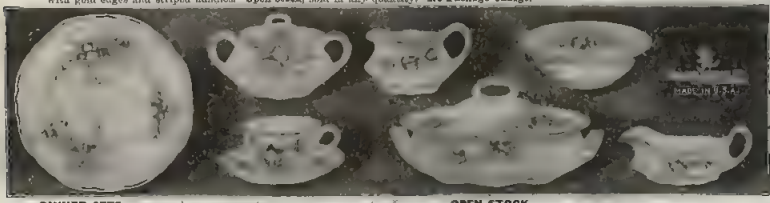
CASSEROLE
E11[illegible] Doz. $15.75

SAUCE BOAT—Attached stand
E11[illegible] Doz. $11.50

PICKLE DISH
E11[illegible] Doz. $3.85

"CENTURY"

"Homer Laughlin" trademarked. Light wt. white semi porcelain, first selection, scalloped edges, with gold edges and striped handles. Open stock, sold in any quantity. No Package Charge.



DINNER SETS

E12290—42 piece set.
Shipping wt. about 60 lbs. NET $6.25

E12293—100 piece set.
Shipping wt. about 90 lbs. NET $17.50

For composition of sets see bottom of page.

OPEN STOCK

CUP AND SAUCER
E17[illegible] Doz. $2.50

PLATES
F17[illegible] Doz. $1.25
F17[illegible] .95
E12[illegible] .75
E12[illegible] .75
F17[illegible] .75
E12[illegible] Doz. $2.55

E12217 Coupe soup, 7 in., each 1

BAKER
E12234—7 in., oval, 8¾x5¾ Doz. $3.85

BOWL—
E12231—30's, 4¾x2½ Doz. $3.25

PLATTER
Doz. $3.50
E12[illegible] 5.95
E12[illegible] 10.25

SALAD—
E12252—7 in., oval, 9 Doz. $3.85

FRUIT
E12[illegible] .95

OATMEAL—
E12236—30's, each, 6½ Doz. $2.10

CREAMER—
E12276—30's, h. 2¾ Doz. $3.85

COVERED SUGAR
E12272—30's, h. 4 Doz. $7.75

COVERED BUTTER—With drainer
E12[illegible] Doz. $11.50

INDIVIDUAL BUTTER—
E12[illegible] Doz. $0.66

COVERED DISH—Oval.
E12260—7 in. Doz. $13.50

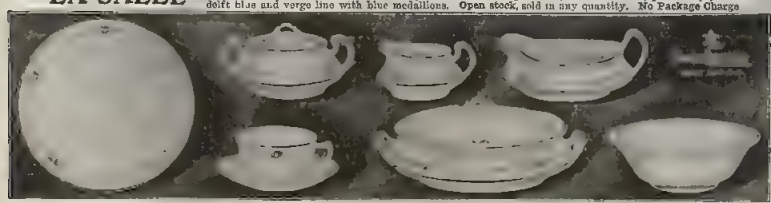
CASSEROLE
E12[illegible] Doz. $15.00

SAUCE BOAT—Without stand
E12[illegible] Doz. $6.15

PICKLE DISH—
E12266—8¼x5 in. Doz. $3.85

"LA SALLE"

"Homer Laughlin" trademarked. Light wt. white semi porcelain, R. K. selection, plain shape, wide delft blue and verge line with blue medallions. Open stock, sold in any quantity. No Package Charge



DINNER SETS

E12694—31 piece set.
Shipping wt. about 30 lbs. NET.

E12690—42 piece set.
Shipping wt. about 40 lbs. NET.

E12696—50 piece set.
Shipping wt. about 50 lbs. NET.

E12693—100 piece set.
Shipping wt. about 90 lbs. NET

For composition of sets see bottom of page.

Temp. Out

OPEN STOCK

CUPS AND SAUCERS—
E12606—Tea 3½x2¾ in., saucer 5½, Doz.
W12602—Ovide 3½x2¾ in., saucer 5½ Doz.

PLATES
E12610—7 in., set 6 Doz.
E12611—6 " " 7 "
E12612—5 " " 8 "
E12613—7 " " 9 "
E12614—6 " " 9½ "
E12615—Coupe soup 9 in. set 1
Loz.

BAKER—
E12624—7 in., set, 8¾ Doz.

Temp. Out

BOWL—
E12631—30's Doz.

PLATTERS—
E12642—8 in. set, 11½ Doz.
E12643 " 13½ "
E12644 " 15¾ "

FRUIT—
E12640—6 in., set, 9½ Doz.

OATMEAL—
E12665—30's, 6½x1¾ Doz.

CREAMER—
E12[illegible] Doz.

SALAD—
E12653—7 in., set, 8½ Doz.

Temp. Out

COVERED SUGAR
E12671—30's Doz.

COVERED BUTTER—With drainer
E12678 Doz.

INDIVIDUAL BUTTER
E12679—3½ in. Doz.

COVERED DISH—Oval.
E12680—7 in. Doz.

CASSEROLE—Round.
E12685—7 in. Doz.

PICKLE DISH—
E12696—8¼x5½ in. Doz.

Temp. Out

Composition of Our Dinner Sets

31 Piece Set

6 tea cups — 6 plates, 6 in.
6 saucers — 6 plates, 6 in.
6 plates, 6 in. — 1 platter, 8 in.

We will give you quotations on any set you think you can sell

42 Piece Set

6 tea cups — 1 bowl, 30's
6 saucers — 1 platter, 8 in.
6 plates, 6 in. — 6 fruits, 6 in.
6 plates, 9 in. — 1 cov'd sugar, 2 pcs
6 plates — 1 creamer
1 baker, 7 in.

50 Piece Set

6 tea cups — 1 sauce bowl, 7 in
6 saucers — 1 bowl, 30's
6 plates, 6 in. — 1 dish, 10 in.
6 plates, 8 in. — 1 creamer.
6 plates — 1 cov'd sugar, 2 pcs
6 [illegible] cups — 1 cov'd dish, 2 pcs
6 fruits, 6 in.

100 Piece Set

12 tea cups — 12 fruits, 6 in.
12 saucers — 1 cov'd sugar, 2 pcs
12 plates, 6 in. — 1 creamer
12 plates, 8 in. — 1 butter dish (3 pcs)
12 plates, 9 in. — 2 casserole, 2 pcs
1 [illegible] cups — 1 [illegible] in.
1 [illegible] — 1 [illegible]
1 platter, 8 in. — 1 sauce bowl, 2 pcs
1 platter, 10 in. — 1 pickle dish,

"CABLE" WHITE WARE

A semi vitreous ware with clear blue white color, white glaze, standard shapes and sizes. From well known potteries producing the best grade of American semi-porcelain. R. K. selection. OPEN STOCK. Sold any quantity. **No package charge.**

OVIDE TEAS—
E10605 Doz **$1.75**

ST. DENIS TEAS—Roy coffee, so-called tea 15 oz. Doz.
E10606 " **1.75**
E10607 " **1.20**

FANCY HANDLED TEAS—
E10615—Cup 3½x3¾, saucer Doz. **$1.75**

PLATES
E10630—4 in., actual 3⅞ " **$0.80**
E10631 " **.90**
E10627 " **1.10**
E10674 " **1.40**
E10634 " **1.70**
E10635 " **1.80**
E10636 " **1.40**

BAKERS
E10644 " **$1.60**
E10645 " **2.00**
E10646-7 " **2.40**
E10637-8 " **3.00**
E10648 " **4.80**
E10649 " 11⅝x8 **6.00**

PLATTERS
E10650 8x6¼ **$1.40**
E10654 10¼x8¾ **1.60**
E10655 12½x8⅞ **2.00**
E10656 " **3.60**
E10658 14 in. **6.00**

SCALLOPED SALADS—
E10632—5 in., act. 6¼ in. Doz. **$1.60**
E10633 6 " 7⅛ " **2.00**
E10634 7 " 8 " **2.40**
E10635—8 " 9 " **3.00**
E10636—9 " 10 " **4.80**
E10637 10 " 11 " **6.00**

ST. DENIS BOWLS
E10640 " Doz **$1.60**
E10641 " **2.00**

OYSTER BOWLS—
E10645—5½ in., Doz **$1.60**
E10646—6½ in. **2.00**

OATMEALS
E10659 6½ in. act. 6¾ in. Doz **$1.25**

FRUITS—
E10660 4 in., act. 4⅜... Doz **$0.60**

JUGS
E10661 Doz **$2.40**
E10662 " **2.60**
E10663 " **3.20**
E10664 " **4.00**
E10665 " **5.40**
E10666 " **8.00**

"CABLE" PLAIN TOILET WARE

EWER AND BASINS, 8¾—
E10150—Complete Doz **$21.60**

"CABLE" FANCY TOILET WARE

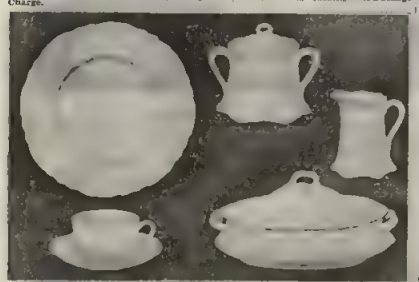
EWER AND BASIN, 8¾—
E10180—Complete Doz. **$21.60**

COVD CHAMBER—
E10185 9 in. Doz **$9.60**

COVD COMBINET
E10195—With bail. Doz **$20.00**

"STAPLE" PURE WHITE SEMI-PORCELAIN

Knowles, Taylor & Knowles Company, highly glazed, well fired, pure white body, fancy Trajanus shape, R. K. selection. Open stock. Sold in any quantity No Package Charge.



E10794—31 piece set.
Shipping wt. about 40 lbs. SET **$2.50**

E10790—42 piece set.
Shipping wt. about 40 lbs. SET **$4.20**

E10796—50 piece set.
Shipping wt. about 60 lbs. SET **$5.90**

E10795—100 piece set.
Shipping wt. about 80 lbs. SET **$12.20**

OPEN STOCK

CUPS AND SAUCERS—
E10700—Tea 3¾x2¾ in., saucer 6¼ Doz. **$1.20**
E10705—Coffee 4x2½ in., saucer 6¼ Doz **$2.20**

PLATES
E10710—4 in., act. 3¼ Doz. **$0.55**
E10711—5 " " 7¼ " **1.00**
E10712—6 " " 7¾ " **1.20**
E10713—7 " " 9¼ " **1.64**
E10714—8 " " 9¾ " **1.85**
E10716—Deep soup, 7 in., act. 7¾ Doz **$1.75**
E10727—Coupe soup, 7 in., act. 8¼ Doz. **$1.64**

BAKER
E10718 7 in. act. 8¼ Doz. **$2.64**

BOWLS
E10731 Doz. **$2.20**
E10735—30's " **1.75**

PLATTERS—
E10745—8 in., act. 12x8¼ Doz. **$2.20**
E10746—10 " " 13½ " **3.65**
E10747—12 " " 16¾x11¾ " **5.80**

SALADS—
E10 Doz **$2.20**
E10726 7 " act. 8¾ " **2.64**
E10733 8 " " **3.95**

FRUIT—
E10709—4 in. act. 4¼ Doz. **66c**

OATMEAL—
E10705—30's Doz. **$1.35**

JUGS
E10776—30's Doz. **$2.10**
E10778—24's " **2.40**

CREAMER—
E10776—30's Doz. **$2.65**

COVERED SUGAR—
E10777—30's Doz. **$5.25**

COVERED BUTTER—With drainer
E10778— Doz. **$7.95**

OVAL DISH—Oval.
E10760—7 in. Doz. **$0.80**

CASSEROLE—Round.
E10762—7 in. Doz. **$10.80**

SAUCE BOAT—Without stand.
E10785—7¾x3 in. Doz. **$3.60**

PICKLE DISH—
E10786—9¼x4¾ in. Doz. **$2.64**

"HERCULES" PURE WHITE HOTEL WARE

Standard Weight, size and color, pure white semi-vitreous body, extra well made and fired Welded edge adds to durability and guards against chipping. Cups 7 in., bakers, jugs, mustard pots, sugars and individual creamers do not have welded edges Open stock, sold in any quantity No Package Charge.

CUPS AND SAUCERS—
E10400—Handled Saxon tone, 3¼x2¾, saucer 6¼ Doz. **$2.98**
Footed Set **$2.60**
E10401 " **$1.00**
E10402 " **$3.25**
E10407—Unhandled Saxon coffee, 3¼x2¾, saucer Doz. **$2.98**

TULIP SHAPE TEAS—
E10415—4 up 3¼x2¾, saucer 6¼ Doz. **$2.98**
E10416—Ovtia coffee, 4¼x2½, saucer 6¼ Doz. **$3.26**

PLATES—
E10420—4 in., act. 6 Doz. **$1.35**
E10421—5 " 7 " **1.50**
E10422—6 " 8 " **1.75**
E10423—7 " 9 " **2.00**
E10427—7 " 7¾ coupe soup **2.75**
E10428—Deep soup, 7 in., act. 8¼ Doz. **$1.85**
Doz. **$2.00**

BAKERS—
E10436—3 in., 6¼x3¼ Doz. **$1.80**
E10431—5½ in., 8½x3¾ " **1.95**

OYSTER BOWLS—
E10448—5 in. size Doz **$1.80**
E10449—6 " **2.00**
E10441—30's, 6¼x3 **2.75**

FRUIT
E10470—4 in., act. 5 in. Doz **87c**

OATMEAL
E10471 36's, 5 in., act. 6½ in Doz **$1.85**

PLATTERS— Act. Sized
E10451—5 in 6 Doz. **$1.60**
E10452 " 7 " **1.75**
E10453 " 8 " **1.80**
E10454 " 9 " **2.00**
E10455 " 10 " **2.50**
E10456 " 12 " **3.00**

ICE CREAMS—
E10470—4 in., act. 5, round Doz **87c**

INDIVIDUAL BUTTERS—Salts or celery dips Doz **55c**

INDIVIDUAL SUGARS, Saxon, unhandled
E10 Doz **$1.80**
E10 " **1.80**

COVD ROUND SUGARS Doz **$6.10**
E10481 30's, 4½ in. high Doz **$6.10**

COVD BOX SUGARS—
E10483 30's, 4½ in high Doz **$6.75**

JUGS
E10464 48 " " **$2.75**
E10467—42 " " **3.25**
E10463 30's 51 **3.75**
E10465 " " **4.25**
E10466 " " **5.50**

HALF BOY JUGS
E10492—24's, 7 in high. Doz **$6.50**

MUSTARD
E10490 —Standard size Doz **$2.85**

Composition of Our Dinner Sets

31 Piece Set
6 cups 6 saucers, 6 in.
6 saucers, 6 fruits, 4 in.
6 plates, 6 in. 1 platter, 8 in.

We will give you quotations on any set you think you can sell.

42 Piece Set
6 tea cups. 1 bowl, 30's.
6 saucers. 1 platter, 8 in.
6 plates, 6 in. 6 fruits, 4 in.
6 plates, 7 in. 1 creamer.
3 baker 9 in.

50 Piece Set
6 tea cups. 1 nappy, 7 in.
6 saucers. 1 bowl, 30's
6 plates, 6 in. 1 dish, 10 in.
6 plates, 5 in 1 creamer
6 coupe soups 1 covd. dish (2 pcs).
6 fruits, 4 in

100 Piece Set
12 tea cups. 12 fruits, 4
12 saucers
12 plates, 6 in.
12 " 7 "
12 " 8 "
1 " 9 " 1 bvd. d
1 " 10 " (2 pcs.)
1 " 12 " 1 sauce boat
1 " 8 " 1 pickle dish

CROCKERY DEPARTMENT

Ask any merchant who knows and he will tell you that you save money on any bill of crockery that you buy from these pages. It pays to study these prices every month.

"PERFECTION" WHITE WARE

Made by Homer Laughlin China Co., Knowles, Taylor & Knowles and Edw. M. Knowles China Co. Best quality clay producing a semi-vitreous ware, clear blue white color, white glaze. No Package Charge. Sold in any quantity

ST. DENIS TEAS—Regular coffee so-called tea, handled, 11 oz standard size.
E10260—Cup and saucer Doz. **$1.89**

ST DENIS TEAS—Unhandled, regular coffee, so-called tea, 11 oz standard size.
E10262—Cup and saucer Doz. **$1.60**

OVIDE TEAS Handled
E10265—Cup 3½x2¾, saucer 6¼ Doz. **$1.89**

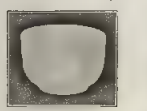
ST DENIS COFFEES—Large, handled, standard size.
E10210—Cup and saucer Doz. **$2.25**

COFFEE MUGS—Handled.
E10278—3½x3½ in Doz. **$2.00**

ICE CREAM DISH—
E10277—4¾ in. . . . Doz. **66c**

FRUITS
E10290—4 in. sct. 4¾.. Doz. **66c**

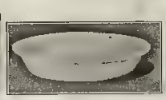
INDIVIDUAL BUTTERS Salt or celery dip
E10295—2¾ in. .....Doz. **65c**



ST. DENIS BOWLS—
Doz.
E10240—36 o 4½x2¾ .. **$1.75**
E10241—50 o, 5¼x3 **2.20**

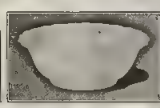
OYSTER BOWLS—
Doz.
E10245—36 o 5¼x2¼ **$1.75**
E10246—50 o 6x2 **2.20**

OATMEALS—
E10289—36's, 8¼x6 Doz. **$1.35**



BAKERS—

	Act	Doz
E10233— 5 in	7x5¼	**$1.76**
E10234— 6 "	7¾x5½	**2.20**
E10236— 7 "	8¾x6¼	**2.64**
E10238— 8 "	9 x7	**3.95**
E10237— 9 "	10½x7¼	**5.25**
E10238—10 "	11½x8¼	**6.60**



SALADS—

		Doz
E10262 - 5 in	sct. 6¾	**$1.75**
E10263 6 "	" 7½	**2.20**
E10264 7 "	" 8 "	**2.64**
E10265 8 "	" 9 "	**3.25**
E10266 9 "	" 10½ "	**5.25**
E10267 10 "	" 11 "	**6.60**

MIXING BOWLS—

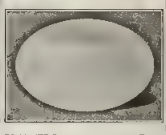
	Doz.
E10342 20's 6¼x3½	**$1.90**
E10343—24's 7½x3¾	**2.20**
E10344—28's, 8¾x3¾	**3.30**
E10345 32's, 9¾x4½	**4.40**
E10346 - 0's 10¾x4¾	**6.30**
E10347 - 6's, 12 x5 x 4	**8.00**

FLUTED SALADS—

		Doz
E10277— 5 in	sct. 6½	**$1.75**
E10272— 6 "	" 8½	**2.20**
E10275 7 "	" 8½	**2.64**
E10274— 8 "	" 9½	**3.95**
E10275— 9 "	" 10¼	**5.25**
E10276—10 "	" 13¾	**6.60**

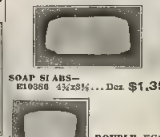
PLATES -

		Doz
E10229—4 in	sct. 6½	**$0.88**
E10231— 7 "	" 7¾ "	**1.56**
E10232— 8 "	" 7¾ "	**1.60**
E10233— 9 "	" 9¾ "	**1.85**
E10235—Deep 7 in.	sct. 8¼ Doz	**$1.75**
E10238—Coupe soup, 7 in.	sct. 11 Doz	**$1.60**



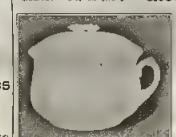
PLATTERS—

	act	Doz
E10250 6 in	8x6¼	**$1.58**
E10251— 7 "	10.1x8¼	**1.75**
E10252— 8 "	11¾x9¼	**2.20**
E10254—10 "	13x8¼	**3.95**
E10256—12 "	15x10	**6.60**

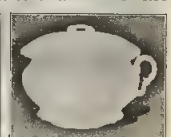


SOAP SLABS—
E10268 4½x3½....Doz. **$1.35**

DOUBLE EGG CUP -
E10249 — 4½ x2½
Doz. **$1.50**



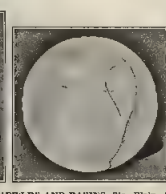
CHAMBERS, 9's—
E10383—Covered Doz. **$10.75**



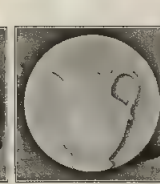
COVERED CHAMBERS—
E10393—9's . . . Doz **$10.75**

JUGS

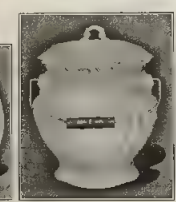
			Doz
E10286	42 o	6¼ in.	**$2.64**
E10281—36's	5¾	"	**3.10**
E10282—30's	7	"	**3.60**
E10283 24's	7¼	"	**4.40**
E10284—12's	8	"	**6.00**
E10285— 6's	9¼	"	**8.95**



EWERS AND BASINS, 9's—Plain.
E10380 Complete. Doz. **$23.75**
E10381—Ewer . " **12.00**
E10382—Basin.... " **12.95**



EWERS AND BASINS, 9's—Fancy.
E10390—Complete. Doz. **$23.75**
E10391 Ewer..... " **12.00**
E10392—Basin... " **12.95**



COVERED COMBINETS—
E10394—10½ in. high, with ball.
Doz. **$21.95**

COVERED COMBINETS—
E10368 -11½ in. high, with ball.
Doz. **$21.95**

"CABLE" WHITE WARE

A semi vitreous ware with clear blue white color, white glaze, standard shapes and sizes. From well known potteries producing the best grade of American semi-porcelain. R. K. selection. OPEN STOCK Sold in any quantity **No package charge.**

OYIDE TEAS—
E10005— Doz. **$1.75**

ST. DENIS TEAS—Reg. coffee, as-called tea
Doz.
E10000—Cup 3½x3½, saucer 6½ **$1.75**
E10001—Cup 3½x3½ " " **1.20**

FANCY HANDLED TEAS—6½ oz.
E10018 Cup 3½x3½ saucer 7½
Doz **$1.75**

PLATES
E10020—4 in. actual 6¼ Doz. **$0.80**
E10021—5 " " " **.90**
E10022 6 " " **1.10**
E10023 7 " " **1.40**
E10024 8 " " **1.70**
E10026—Soup 7 in., act. 8¼ " **1.60**
E10028— " 7 " 8¼ " **1.40**

BAKERS—Single thickness. Doz.
E10034 5 in., act. 7x5 **$1.00**
E10035— 6 " " 8¼x6 " **2.00**
E10036— 7 " " 9½x8½ " **2.40**
E10041 8 " " 10½x7 " **3.60**
E10038— 9 " " 10½x7¼ " **4.80**
E10039—10 " " 11½x8½ " **6.00**

PLATTERS— Doz.
E10030— 6 in. act. 9x6¼ **$1.40**
E10051 7 " 10½x6¾ " **1.80**
E10032 8 " " 11½x7½ " **2.00**
E10054 10 " " 13x8½ " **3.80**
E10056 12 " " 16x10 " **6.00**

SCALLOPED NAPPIES
E10007 5 in. act. 6¼ Doz **$1.60**
E10061 6 " " 7½ " **2.00**
E10004 7 " " 8 " **2.40**
E10065 8 " " 9 " **3.60**
E10066— 9 " " 10½ " **4.80**
E10067 10 " " 11 " **6.00**

ST. DENIS BOWLS—
E10040 36's, act. 4½x3¾ Doz. **$1.60**
E10041—30's, " 5x3¾ " " **2.00**

OYSTER BOWLS
E10045—36 s. act. 5½x2¾ Doz. **$1.60**
E10049—30 s. " 6x2 " " **2.00**

OATMEALS
E10039—36's, act. 6¾ in. Doz. **$1.25**

FRUITS
E10090—4 in., act. 4¾ " Doz. **$0.60**

JUGS
E10080—42 s, ht. 8¾ in., Doz. **$2.40**
E10081 36's, " 9¾ " " " **2.80**
E10082—30's, " 7 " " **3.20**
E10083 24 s, " 7 " **4.00**
E10084 18 s, " 9 " **5.40**
E10085— 6 s, " 9 " **8.00**

"CABLE" PLAIN TOILET WARE

EWER AND BASINS, 9's—
E10180—Complete Doz **$21.00**

"CABLE" FANCY TOILET WARE

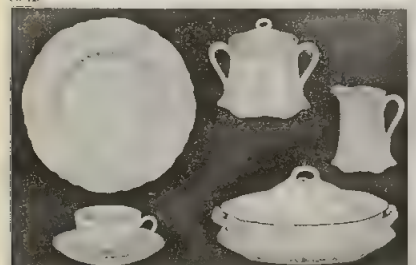
EWER & BASIN, 9's—
E10190—Complete Doz. **$21.60**

COVD CHAMBER—
E10103—9 in. Doz. **$9.60**

COVD COMBINET—
E10105 With ball. Doz. **$20.00**

"STAPLE" PURE WHITE SEMI-PORCELAIN

Knowles, Taylor & Knowles Company, highly glazed, well fired, pure white body fancy Traymore shape, R. K. selection. Open stock. Sold in any quantity No Package Charge



E10794—31 piece set.
Shipping wt. about 45 lbs. SET **$2.50**

E10790—42 piece set.
Shipping wt. about 60 lbs. SET. **$4.20**

E10796—50 piece set.
Shipping wt. about 60 lbs. SET. **$5.90**

E10793—100 piece set.
Shipping wt. about 50 lbs SET. **$12.20**

OPEN STOCK

CUPS AND SAUCERS—
E10760—Tea 3½x3½ in., saucer 5½ Doz **$1.88**
E10763 Coffee 4x2½, in saucer 6 " **2.25**

PLATES—
E10710—5 in. act. 6¼ Doz. **$0.88**
E10711 5 " " 7¼ " **1.00**
E10712 6 " " 7 " **1.20**
E10713—7 " " 9¼ " **1.54**
E10714 8 " " 10½ " **1.86**
E10716—Deep soup, 7 in., act. 7¼ Doz **$1.75**
E10717—Compe soup, 7 in act 8 " Doz. **$1.64**

BAKER—
E10794—7 in act. 9½x7 Doz. **$2.64**

BOWLS—
E10731—30's Doz. **$2.20**
E10735—36's " **1.75**

PLATTERS—
E10741 8 in act 12x8½ Doz. **$2.20**
E10745 10 " " 13½x... " **3.95**
E10747—12 " " 15½x11½... " **6.60**

SALADS—
E10751—6 in. Doz. **$2.20**
E10752 7 act 8½ " **2.64**
E10753—8 " **3.96**

TRIFLE—
E10760—4 in., act. 5¼ Doz. **69c**

OATMEAL—
E10785—36's, Doz **$1.35**

JUGS
E10778—66's Doz. **$3.10**
E10773—24's " **4.40**

CREAMER—
E10776—36's Doz. **$2.66**

COVERED SUGAR—
E10777 30's Doz. **$5.25**

COVERED BUTTER—With drainer
E10718 " Doz. **$7.95**

COVERED DISH—Oval.
E10780 7 in. Doz. **$5.60**

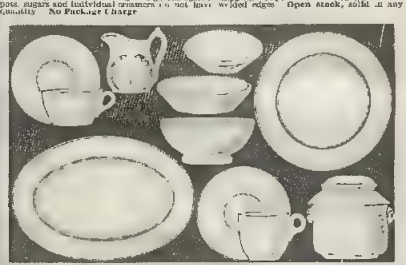
CASSEROLE—Round.
E10783—7 in. Doz. **$10.50**

SAUCE BOAT—Without stand
E10785 7½ " Doz. **$3.50**

PICKLE DISH—
E10786—8x5¾ in. Doz. **$2.64**

"HERCULES" PURE WHITE HOTEL WARE

Standard weight, size and color, pure white semi-vitreous body, extra well made and fired Welded edges adds to durability and guards against chipping. Cups 8 in., bakers, jugs, mustard pots, sugars and individual creamers do not have welded edges. Open stock, sold in any quantity No Package Charge



CUPS AND SAUCERS—
E10400—Handled Saxon teas, 3½x3½, saucer 6½ Doz. **$2.85**
E10402 Unhandled Saxon teas, 3½x3½, saucer 6½ Doz. **$2.60**
E10404—Tea saucers, 6½ Doz. **$1.00**
E10405—Handled Saxon coffees, 3½x3½, saucer 6½ Doz. **$3.25**
E10407—Unhandled Saxon coffees, 3½x3½, saucer 6½ in. Doz. **$2.85**

TULIP SHAPE TEAS
E10415—Cup 3½x3½, saucers 6 Doz **$2.95**
E10410—Oxide coffee 4½x2½, saucer 6½ Doz. **$3.25**

PLATES—
E10429 4 in act 6 Doz **$1.35**
E10421—5 " " " **1.50**
E10422—6 " " " **1.75**
E10423—7 " " 9¾ " **2.00**
E10427—7 " " 7½, coupe soup Doz. **$1.85**
E10428—Deep soup 7 in., act. 9¼ Doz **$2.00**

BAKERS—Arc
E10430—7 in 5¼x3½ Doz **$1.80**
E10431—8½ in., 6¾x8½ " **1.95**

OYSTER BOWLS—
E10439 12 s Doz **$1.90**
E10440—36 s, 5¾x2¾ " **2.00**
E10441 30 s, 6-3x3 " **2.75**

FRUIT—
E10470—4 in., act. 5 Doz. **87c**

OATMEAL—
E10471—36's, 5 in., act. 6¼ in. Doz. **$1.85**

PLATTERS— Arc
E10151 3 in., 6½x4¼, Doz. **$1.80**
E10452—4 " 7¾x4¾ " **1.75**
E10453—5 " 8 x5 " **1.90**
E10454—6 " 9x6 " **2.00**
E10455—7 " 10½ " **2.60**
E10456—8 " 11x7 " **3.60**

ICE CREAMS—
E10475—4 in act 5 round Doz **87c**

INDY BUTTERS Salts or celery dips
E10426—2½ in Doz **55c**

INDY CREAMERS—Saxon unhandled
E10485—3½ in Doz **$1.90**
E10486 Tankard handled, 3½ in. " **1.90**

COVD ROUND SUGARS—
E10491—36's, 4¾ in high. Doz **$5.10**

COVD BOX SUGARS—
E10493 36 s, 4¾ in high Doz **$6.75**

JUGS Ht.
E10491 48 s, 3½ in Doz **$2.75**
E10492 42 s, 4¼ " " **3.25**
E10493 36 s, 5" " **3.75**
E10494 30 s, 6" " **4.25**
E10495 24 s, 7" " **5.50**

HALL BOY JUGS
E10492—24's, 7 in high Doz **$5.50**

MUSTARD—
E10499—Standard size Doz. **$2.50**

Composition of Our Dinner Sets

31 Piece Set

6 cups. 6 plates, 6 in.
6 saucers. 6 fruits, 4 in.
6 plates, 4 in 1 platter 8 in

We will give you quotations on any set you think you can sell.

42 Piece Set

6 tea cups 1 bowl 36's
6 saucers 1 platter 8 in
6 plates, 4 in. 6 fruits, 4 in.
6 plates, 5 in. 1 covd. sugar (2 pcs.)
6 plates, 7 in. 1 creamer.
1 baker, 7 in.

50 Piece Set

6 tea cups 1 nappy 7 in
6 saucers 1 bowl 30's
6 plates, 4 in 1 dish 10 in
6 plates, 5 in 1 creamer.
6 plates, 7 in. 1 covd. sugar (2 pcs.)
6 coupe soups. 1 covd. dish (2 pcs.).
6 fruits, 4 in

100 Piece Set

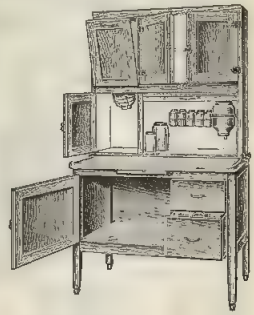
12 tea cups. 12 fruits, 4 in.
12 saucers 1 covd. sugar (2 pcs.)
12 plates, 4 in 1 creamer
12 plates, 5 in 1 butter dish, 3 pcs
12 plates, 7 in. 1 casserole, 2 pcs.).
12 coupe soups. 1 covd. dish, 2 in. (2 pcs.)
1 baker, 7 in. 1 sauce boat (2 pcs.)
1 platter, 8 in. 1 pickle dish
1 platter 12 in

KITCHEN CABINETS

These cabinets are made for us by one of the largest, best known and most dependable makers in America. And if you bought them under his name you would pay much more than we ask.

Note These Features of All Our Kitchen Cabinets

Rounded corners and edges, all joints mortised and tenoned, guaranteed not to sag or fall apart. All white enameled cabinets are finished with high grade "Satin" white enamel. All doors and drawers have the dust lip construction and are finished inside. High grade refrigerator slip cardware and three ply panel backs on all cabinets.



"Our Leader"

MATERIAL—Solid Indiana oak
SIZE—Ht. 68 in., top 25x43 in.
FEATURES—Fitting metal flour bin with sifter.
EQUIPMENT—Bread board, wood case or bread box with ventilated metal sliding top.

P6840—Golden oak inside and out, stationary wood top. Crated, 175 lbs. Each, **$16.50**

P6841 Golden oak inside and out, stationary nickeloid top. Crated, 175 lbs. Each, **$17.75**

"Utility"

MATERIAL—Solid oak
SIZE—Ht. 33 in., porcelain top 27x42 in.
FEATURES—Metal bread and cake box, nickel trimmings, beaded bread board, two deep metal drawers with metal sliding lids, divided cutlery drawers, three ply bottom with substantial frame work under entire base, waterproof casters, sliding wire shelf and pan rack.

P6863 Golden oak, porcelain top. Crated, 125 lbs. Each, **$18.00**

P6864 White enameled inside and out, porcelain top. Crated, 125 lbs. Each, **19.50**

"Comfort"

MATERIAL—Solid Indiana oak
SIZE—Ht. 70 in., top 25x40 in.
FEATURES—Fitting metal flour bin with sifter, wood case and bread box with ventilated sliding top, drop roll curtain.
EQUIPMENT—Complete set of five spice jars, one tea and one coffee container, crystal glass sugar jar on swinging steel hanger, large bread board.

P6842—Golden oak, upper section white enamel, inside nickeloid sliding top. Crated, 200 lbs. Each, Temp. Out

P6843—Golden oak, upper section w ite enamel, inside porcelain sliding top. Crated 200 lbs. Each, Temp. Out

"Puritan"

MATERIAL—Selected Indiana oak
SIZE—Ht. 70 in., 26x46 in. sliding porcelain top.
FEATURES—Roll curtain front, metal cake and bread box with ventilated sliding top, sliding wire shelf, pan rack, dustproof casters, waterproof casters. Frosted glass doors in top, sliding flour bin.
EQUIPMENT—Complete set of five spice jars, one tea and one coffee container, crystal glass sugar jar on swinging steel hanger, large pastry board.

P6851 Golden oak outside, white enameled upper interior sliding porcelain top. Crated, 225 lbs. Each **$29.50**

P6852 White enameled inside and out, sliding porcelain top. Crated, 225 lbs. Each, **$33.50**

"Purity"

MATERIAL—Selected Indiana oak.
SIZE—Ht. 70 in., top 25x50 in.
FEATURES—Deep curtain front, metal cake and bread box, large full glass doors, lowering flour bin pan rack, sliding wire shelf, steel reinforced bottom, frosted glass doors, large drawer divided for cutlery.
EQUIPMENT—Complete set of five spice jars, one tea and one coffee container, swinging crystal sugar jar, large bread board.

P6826—Golden finish outside, white enamel inside, porcelain sliding top. Crated, 250 lbs. Each, **$36.00**

P6827—White enamel inside and out, porcelain sliding top. Crated, 250 lbs. Each, **$42.50**

"De Luxe"

MATERIAL—Selected white oak.
SIZE—Ht. 75 in., top 28x48 in.
FEATURES—Roll curtain front, metal cake and bread box lowering flour bin, and proof casters, two pan racks, sliding wire shelf, dustproof three ply bottom under entire base sliding waterproof metal bottom, base, frosted glass doors, four cutlery drawers in top, divided cutlery drawer in base.
EQUIPMENT—Complete set of five spice jars, one tea and one coffee container, swinging crystal sugar jar and large bread board.

P6325—Golden oak outside, white enamel inside, sliding porcelain top. Crated, 350 lbs. Each, **$49.75**

P6326—White enamel inside and outside, sliding porcelain top, Crated, 350 lbs. Each **$52.50**

White Enameled Cabinet Base and Swinging Stool

31 in. high, porcelain top 27x42 in., 2 deep metal drawers with sliding lids, large cutlery drawer under top, dust proof lip construction on drawers, back finished same as front and ends, nickel trimmings, banded bread board

P6420 Crated, 125 lbs. ..... Each, **$23.00**

HOW ABOUT RUGS?

Our extraordinary five-house buying capacity permits us to **materially** lower your rug costs. See pages 161-172

HORSE SHOE NAILS

Cuts Full Size

*TRIUMPH

REGULAR HEADS

Made of Best Swedish Iron, Smooth and Even, Great Tensile Strength, Will Not Split in Driving; Never Break Under the Heads or Crimp in a Hardened Hoof, Make a Clean, Smooth Hole in the Most Brittle Hoof. This Nail Meets the Requirements of Exacting Horse Shoers.

Nos.	5	6	7	8
Size, No.	5	6	7	8
Length, inches	2	2¼	2⅜	2½
Number to lb., About..	125	110	100	80
Per Pound	$0.45	.40	.40	.40

5 lbs. in a Carton; 25 lbs. in a Box

* MOUND CITY
TRADE MARK

REGULAR HEAD—Swedish Iron

Size, Nos.	5	6	7	8
Length, inches	2	2⅛	2⅛	2¼
Number to lb., About.	160	125	107	1
Per Pound	$0 45	.40	.40	.40

5 lbs. in a Carton; 25 lbs. in a Box

*SUPERIOR

REGULAR HEAD, CHECKERED—Swedish Iron

Size, Nos.	5	6	7	8
Length, inches	2	2⅛	2⅛	2⅛
Number to lb., About..	140	135	105	95
Per Pound	$0 50	.45	.45	.40

5 lbs. in a Carton; 25 lbs. in a Box

Cuts Full Size

NORTHWESTERN

Made of Best Norway Iron

REGULAR HEAD

Size Nos.	5	6	7	8
Length, inches	2⅛	2⅛	2⅛	2⅛
Number to lb , About..	187	145	113	91
Per Pound	$0.28	.25	.24	.23
	.55	.50	.50	.45

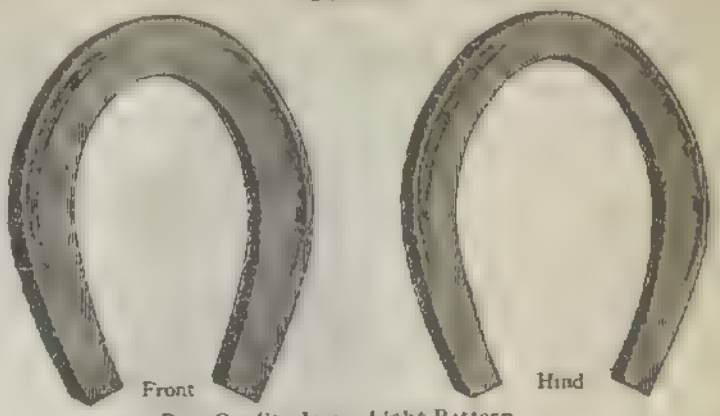
CITY HEAD

Size, Nos.	C5	C6	C7	C8
Length, inches	1⅞	2⅛	2⅛	2⅛
Number to lb., About..	193	156	127	99
Per Pound	$0.28	.25	.24	.23
	.55	.50	.50	.45

5 lbs. in a Carton; 25 lbs. in a Box

HORSE SHOES

BURDEN



Best Quality Iron -Light Pattern

FRONT

Nos.	BF1	BF2	BF3	BF4	BF5
Size No.	1	2	3	4	5
Weight Each, Ounces	14	17	20	24	27
Approximate No. in Keg.	117	95	77	66	56
Per Keg	$14 00	13 60	13.60	13.60	13.60

HIND

Nos.	BH0	BH1	BH2	BH3	BH4	BH5
Size No	0	1	2	3	4	5
Wt. Each, ozs..	10	11	14	18	22	27
App. No in Keg	161	137	100	83	73	62
Per Keg	$14 00	14 00	13 60	13 60	13 60	13 60

HIND—ASSORTED

Nos.	BH12	BH23	BH34
Size No	1 & 2	2 & 3	3 & 4
Approximate No. in Keg	123	96	78
Per Keg	$14.10	13.90	13.90

Nos.	BH45	BH123	BH234	BH345
Size No	4 & 5	1, 2 & 3	2, 3 & 4	3, 4 & 5
Approximate No. in Keg	77	100	88	73
Per Keg	$13.90	14 20	13.90	13.90

FRONT AND HIND

Nos.	BFH1	BFH2	BFH3	BFH4	BFH5	BFH6
Size No	1	2	3	4	5	6
Approximate No. in Keg	127	102	80	69	59	48
Per Keg	$14 00	13 60	13 60	13.60	13.60	13.60

FRONT AND HIND, ASSORTED

Nos.	BFH12	BFH23	BFH34	BFH45	BFH123	BFH234
Size No	1 & 2	2 & 3	3 & 4	4 & 5	1, 2 & 3	2, 3 & 4
App. No. in Keg	115	91	75	64	103	84
Per Keg	$14.00	13.90	13.90	13 90	14 00	13.90

100 Pounds in a Keg

MULE SHOES

BURDEN

Best Quality Iron

STRAIGHT SIZES

Nos.	BM1	BM2
Size No	1	2
Weight Each, ounces	10	12
Approximate No. in Keg	155	120
Per Keg	$14 00	13 60

Nos.	BM3	BM4	BM5
Size No	3	4	5
Weight Each, ozs...	15	19	24
App. No. in Keg....	104	86	67
Per Keg	$13 60	13 60	13.60

ASSORTED SIZES

Nos.	BM12	BM23	BM34	BM45	BM123	BM234
Size No	1 & 2	2 & 3	3 & 4	4 & 5	1, 2 & 3	2, 3 & 4
App. No. in Keg	142	117	95	76	129	106
Per Keg	$14.10	13 90	13 60	13.90	14.00	13 90

100 Pounds in a Keg

Horton (3 Cup) Suction Washer

Horton STABILITY is Your SAFEGUARD

HORTON (3 CUP) SUCTION WASHER the acknowledged leader—paves the way to bigger business because it is the Washer of today and tomorrow. It has the big advantage of being designed and made by an organization with more than a half century of knowledge in meeting the demands of the user.

The HORTON SUCTION WASHER No. 40 enables you to make profitable sales with the least possible resistance because of its mechanical superiority—ease of operation—simplicity—completeness—perfect and speedy washing action. A demonstration promptly and conclusively proves these claims.

Write, wire or telephone for particulars of the complete Horton Line of Washers and Ironers without delay. We have something real to offer you.

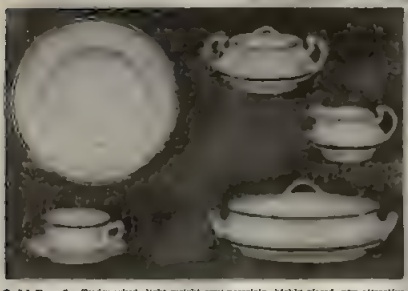
Main Office and Factory

ESTD. 1871 Horton MFG. CO.

FORT WAYNE, IND.

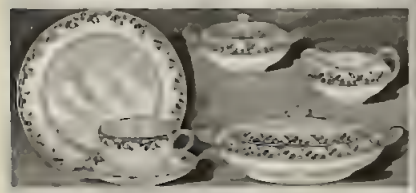
Pioneers for Fifty Years

CROCKERY



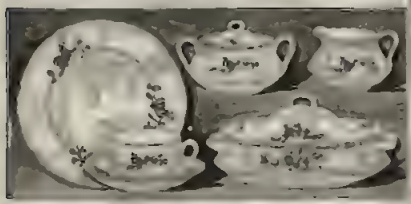
Gold Band—Trademarked, light weight semi-porcelain, highly glazed, new attractive Empress shape, with a ¾ in gold band on edge with a blue pin stripe, gold [illegible] Package Charge.

E42196—50 piece set—
Shipping weight about 50 lbs. SET (50 pcs.) **$7.95**



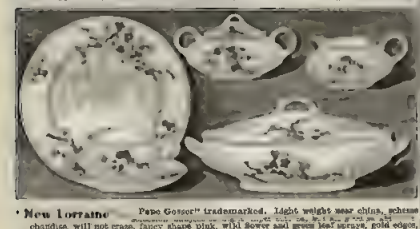
"American"—Light weight American semi-porcelain, wide fancy gold scroll stamp border and line edge, stippled handles and knobs. No Package Charge.

E42210—100 piece set—
Shipping weight about 90 lbs. SET (100 pcs.) **$17.25**



"Bordeau Rose"—Fancy ramson shape, light weight American semi-porcelain, R. K. selection. Gold band saxon, gold striped handles and knobs. Dainty red rose and forget-me-not decal with light green leaves. No Package Charge.

E23292—100 piece set—
Shipping weight about 90 lbs. SET (100 pcs.) **$17.50**



"New Lorraine" Pure Gossor" trademarked. Light weight near china, scheme [illegible] chandise, will not craze, fancy shape plug, wild flower and green leaf sprays, gold edges, [illegible] Package Charge.

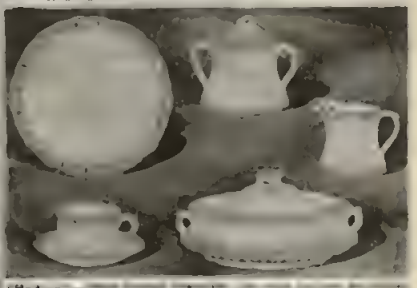
E17292—100 piece set—
Shipping weight about 90 lbs. SET (100 pcs.) **$17.50**

Naziere Spray—Good quality light weight, highly glazed [illegible] porcelain, 4 bright color- ed sprays of delicate pink flowers, pro[illegible] green foliage and buds, gold edges, traced handles and knobs of upright pieces. [illegible] age Charge.

E17090—42 piece set—
Shipping weight, about 27 lbs. SET (42 pcs.) **$5.75**

E17096—50 piece set—
Shipping weight, bout 35 lbs. SET (50 pcs.) **$8.40**

E17093—100 piece set—
Shipping weight about 90 lbs. SET (100 pcs.) **$17.50**

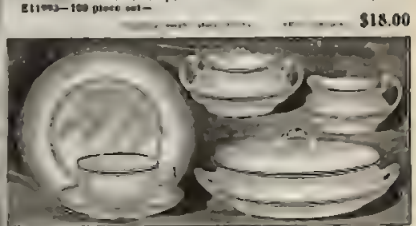


"Hudson" [illegible] Charge.

E11090—42 piece set—
[illegible] weight about 40 lbs. SET (42 pcs.) **$6.20**

E11096—50 piece set—
Shipping weight about 50 lbs. SET (50 pcs.) **$8.70**

E11093—100 piece set— **$18.00**



Yale—"Fancy Laughlin" trademarked. Light weight wh[illegible] blue band, finer gold line and edges, traced handl[illegible]

E12792—100 piece set—
Shipping weight about 90 lbs. SET (100 pcs.) **$19.50**

Composition of Our Dinner Sets

42 Piece Set

[illegible]
6 saucers.
6 plates, 6 in.
6 plates, 8 in.
6 plates, 7 in.
1 baker, 7 in.
1 bowl, 30's.
1 platter, 8 in.
6 fruits, 5 in.
1 covd. sugar (3 pcs.).
1 creamer.

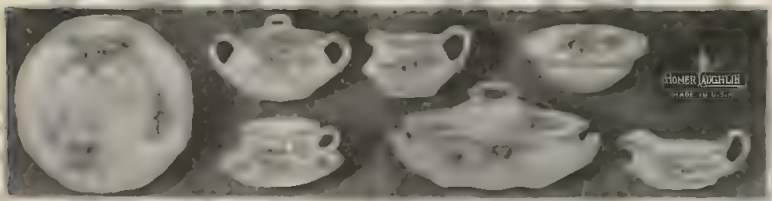
50 Piece Set

6 tea cups.
6 saucers.
6 plates, 6 in.
6 plates, 8 in.
6 plates, 7 in.
6 coupe soups.
6 fruits, 6 in.
1 nappy, 7 in.
1 bowl, 30's
1 dish, 10 in.
1 creamer.
1 covd. sugar (3 pcs.).
1 covd. dish (3 pcs.).

100 Piece Set

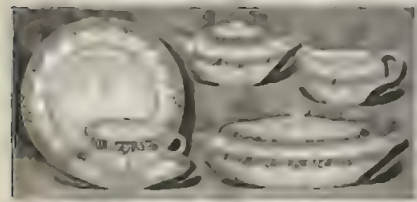
12 tea cups.
[illegible]
15 plates, 6 in.
15 plates, 7 in.
12 coupe soups.
1 baker, 7 in.
[illegible]
2 platter, 12 in.
1 covd. sugar (2 pcs.).
1 creamer.
1 butter dish (3 pcs.).
[illegible]
2 covd. dish, 7 in. (3 pcs.).
[illegible]
1 pickle dish.

SEMI-PORCELAIN DINNER SETS



"Century" trademarked. Light weight white semi-porcelain, first selection, scalloped edges, hollow pieces panel indented, decorated pink rose sprays and n foliage. All pieces gold edged and striped handles. No Package Chn

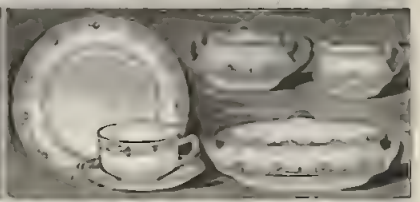
Shipping weight about 80 lbs. $17.50



Plaza flower paneled shape, hollow ware is cast, border pattern of pink rose and ...is, alternate orients, medallions, buff framing gold edges, tinted centers and knobs, gold line inside cups and base of upright pieces. All pieces tinted Whipped. No Package Charge.

E16590—42 piece set—

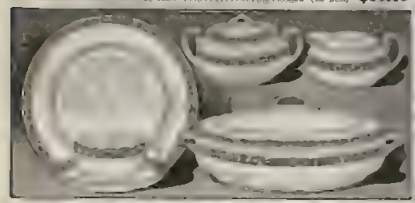
40 lbs. ..... SET (42 pcs.) **$10.15**



Virginia —green and tan conventional band, green scrollen, blue medallions and rose festoons, No Package Cha

E12695—100 piece set—

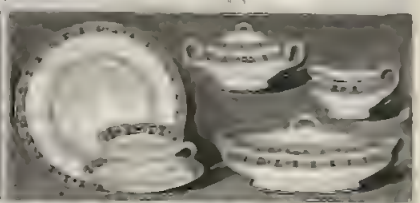
Shipping weight about 90 lbs. ..... SET (100 pcs.) **$22.20**



Metropolitan
gold edges and d

E14792—100 piece set—

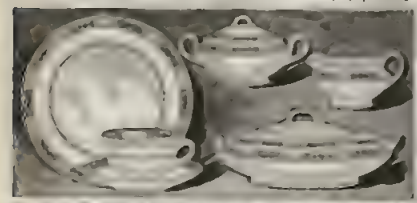
Shipping weight about 90 lbs SET (100 pcs.) **$27.75**



Lacamont —covered dishes, pink rose gold verge line, gold striped handles and ed... No Package Charge.

E15393—100 piece set—

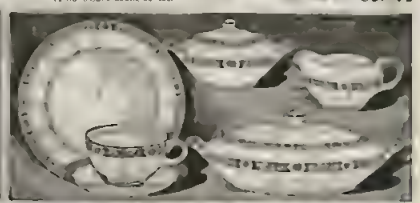
Shipping weight about 90 lbs. **$28 15**



Powhatan

E11193—100 piece set—

$28 15



Mayflower

E10693—100 piece set—

$28.50

Composition of Our Dinner Sets

42 Piece Set	50 Piece Set		100 Piece Set	
1 platter, 5 in.	6 saucers	1 bowl, 8½ in.	14 saucers	1 butter dish (2 pcs.)
2 fruits, 4 in.	6 plates, 4 in.	1 dish, 10 in.	12 plates, 6 in.	1 casserole (2 pcs.)
	6 plates, 5 in.	1 creamer,	1 platter, 12 in.	1 covd. dish
	1 coupe soup	1 covd. dish (2 pcs.)	14 plates, 7 in.	1 sauce boat (2 pcs.)
	6 fruits, 4 in.		12 coupe soups	1 pickle dish
			1 sugar (2 pcs.)	

26,165 Miles Without a Stop

Dealers–Write for Booklet "26,165 Miles Without a Stop" An absorbing story.

The Reliability Record

Days without Engine Stop.....58
Total Non-Stop Mileage....26,165
Average Miles Per Day.....449
Gas.—ave. miles per gal.....21.5
Oil—ave. miles per gal.....304.5

Replacements

At 22,106 mi.—Brake lining
At 24,955 mi.—Head lamp tie rod
At 24,997 mi.—Front Spring
At 26,165 mi.—Fan Belt

The first engine stop was necessitated by the breaking of the fan belt. The run was then continued two days, the total mileage at the end of 60 days being 27,096, on which the daily average is computed.

Perhaps no motor car ever before was given such a reliability test as this; and perhaps none ever acquitted itself so creditably.

A stock Hupmobile, with 6000 miles already behind it, was driven continuously by three shifts of drivers, night and day, for 58 days.

In that time it traveled 26,615 miles over the roads of Utah, Idaho and Wyoming adjacent to Salt Lake City—farther by a great deal than the average car travels in two whole years.

The qualities revealed by the car in this test—its economy records—the way it stood up in continuous service such as not one motor car in a thousand is asked to give—these things are not remarkable

They are the daily portion of every Hupmobile owner. He counts upon them confidently. They are his interpretation of reliability.

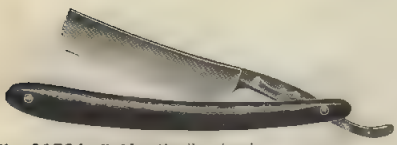
Hupp Motor Car Corporation, Detroit, Michigan

Hupmobile

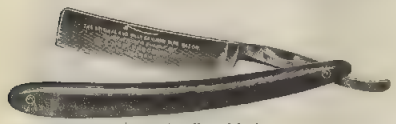
THIS SYMBOL IN ANY ADVERTISEMENT MEANS: SEE "CHILTON AUTOMOBILE DIRECTORY" FOR COMPLETE BUYING INFORMATION

RAZORS

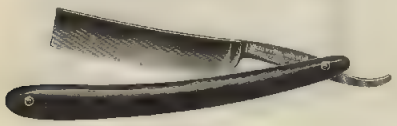
I·XL WOSTENHOLM



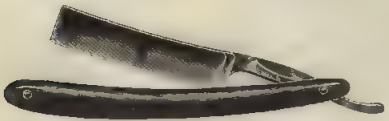
No. 01724 **Rubber** Handle. ⅞ inch Blade. **Square** Point. Hollow Ground. Pipe Razor.. ..... $10 00 **$13.30** ---
One in a box. Weight, per dozen, about 1⅝ pounds.



No. 02363 **Rubber** Handle. ⅞ inch Blade. **Square** Point. Hollow Ground. Etched Blade. Pipe Razor . ..... $12.10 **$15.40** ---
One in a box. Weight, per dozen, about 2 pounds.

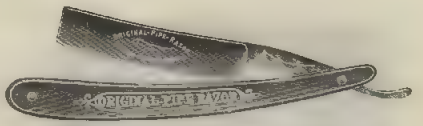


No. 01657 **Rubber** Handle. ⅞ inch Blade. **Square** Point. Thin Hollow Ground..... $14.15 **$18.90** ---
One in a box. Weight, per dozen, about 1⅝ pounds.

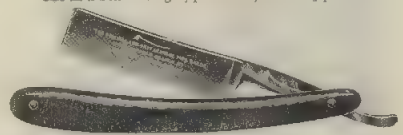


No. 01461B—Rubber Handle. ⅞ inch Blade. **Square** Point. Thin Hollow Ground. Pipe Razor..... $19.20 **$24.40** ----
No. 01461B Round—Rubber Handle. ⅞ inch Blade. **Round** Point Thin Hollow Ground. Pipe Razor..... 19.20 **24.40** ----
One in a box. Weight, per dozen, about 2 pounds

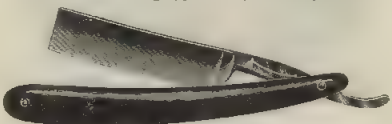
No. 0297—White Celluloid Handle. ⅞ inch Blade **Square** Point. Thin Hollow Ground. Polished Blade. Etched in Gilt. Pipe Razor $26.70 **$35.50** ----
One in a box. Weight, per dozen, about 1⅝ pounds.



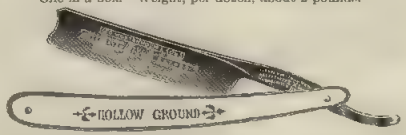
No. 03553—Light Horn Handle. ⅞ inch Blade. **Square** Point. Hollow Ground. Etched Blade. Pipe Razor $11.70 **$14.90** ---
One in a box. Weight, per dozen, about 2¼ pounds.



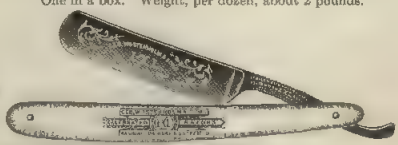
No. 02364—Rubber Handle. ⅞ inch Blade. **Square** Point. Hollow Ground. Etched Blade. Pipe Razor ..... $12.50 **$17.25** ---
One in a box. Weight, per dozen, about 2¼ pounds.



No. 01461—Rubber Handle. ⅞ inch Blade. **Square** Point. Thin Hollow Ground. Pipe Razor. ..... $17.50 **$22.70** ----
No. 01461Rd Rubber Handle ⅞ inch Blade. **Round** Point. Thin Hollow Ground. Pipe Razor . ... 17.50 **22.70** ----
One in a box. Weight, per dozen, about 2 pounds.



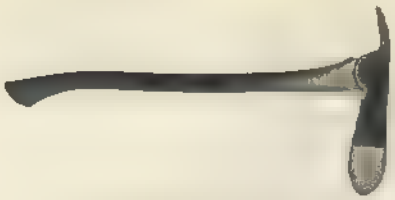
No. 01323—White Celluloid Handle. ⅞ inch Blade. **Hollow** Point. Hollow Ground. Full Polished. Etched $18.35 **$24.45** ----
One in a box. Weight, per dozen, about 2 pounds.



No. 01048—Genuine Ivory Handle. ⅞ inch Blade **Round** Point Full Hollow Ground. Full Polished Blade. Etched..... $35.85 **$45.60** ----
One in a box. Weight, per dozen, about 1⅝ pounds.

ICE TOOLS

AXES

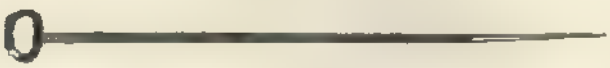


No. 282 Philadelphia Hook Pattern

No. 290 Southern Pattern

No	Blade	Handle	Packed	Weight	Per Doz.
282	7½x3 in.	28 in.	1	4 lbs	$50.00
290	6½x2½ in.	18 in.	1	2½ lbs.	36.00

NEEDLE BAR



No. 359

1 inch round steel, ring grip. For dividing strips into single cakes, in the canal.

No.	Length	Packed	Weight	Each
359	4¾ ft.	1	12 lbs.	$4.75

SPLITTING CHISEL

No. 360A

Ring handle. 11x3 inch blade. For dividing strips into single cakes.

No.	Length	Packed	Weight	Each
360A	4½ ft.	1	14 lbs.	$3.00

PIKE POLES

No. 330

No.	Length	Packed	Weight	Each
330	4 ft.	1	3½ lbs.	$1.80
330	4½ ft.	1	4 lbs.	1.85
330	5 ft.	1	4¼ lbs.	1.90
330	6 ft.	1	4½ lbs.	2.00
330	8 ft.	1	5 lbs.	2.50
330	10 ft.	1	6 lbs.	2.95

DAIRY ICE PLOWS

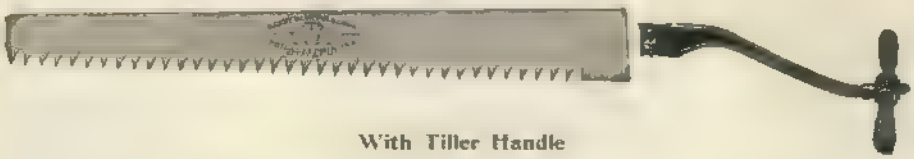
No. 400

Has carefully tempered, accurately cut cutting teeth, adjustable gauge bar and a raised handle piece. Cuts 2 inches at a time. Furnished with an extension swing guide to mark 14 to 28 inches.

No.	Depth of Cut	Packed	Weight	Each
400	8 in.	1	89 lbs.	$55.00
401	10 in.	1	142 lbs.	68.00

ALBANY HARDWARE & IRON CO.

POND ICE SAWS



With Tiller Handle

Length	Tapered	Gauge	Packed	Weight	Each
3½ ft.	7x5 in.	11	1	6¾ lbs.	$6.70
4 ft.	7x5 in.	11	1	8½ lbs.	7.45
4½ ft.	7x5 in.	11	1	9¾ lbs.	9.90
Tiller Handles only			1	2¾ lbs.	2.00

HAND ICE SAWS

No. 75

Malleable iron handle

No.	Length	Packed	Weight	Per Doz.
75	26 in.	⅙ doz.	6 lbs	$25.00

ICE TONGS

No. 149

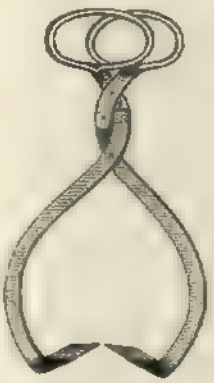
A household tong. Diamond points. Wrought steel handles.

No.	Opens	Packed	Weight	Per Doz.
149	12 in.	1 pair	1 lb.	$5.00

Fig. 1200, Pattern C

Steel, duck bill points. Plain handles

No.	Opens	Packed	Weight	Each
0	11 in.	1 pair	2½ lbs.	$1.50
1	14 in.	1 pair	3 lbs.	1.95
2	17 in.	1 pair	3½ lbs.	2.26
3	20 in.	1 pair	4½ lbs.	2.68
4	24 in.	1 pair	4¾ lbs.	3.10
5	26 in.	1 pair	5¼ lbs.	4.80



No. 147

Tool steel, diamond points. Duplex joint

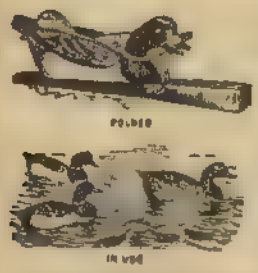
No.	Opens	Packed	Weight	Per Doz.
147	18 in.	1 pair	2¾ lbs.	$9.00

No. 146

Tool steel, diamond points. Duplex joint. Wood handle.

No.	Opens	Packed	Weight	Per Doz
146	24 in.	1 pair	4 lbs.	$16.50
146	28 in.	1 pair	4½ lbs.	18.00

FOLDING WOOD DUCKS



ILLINOIS RIVER PROFILE DECOYS, 3 in group, 2 male and 1 female, painted in natural colors to represent male and female, w't per doz. 10 lbs.

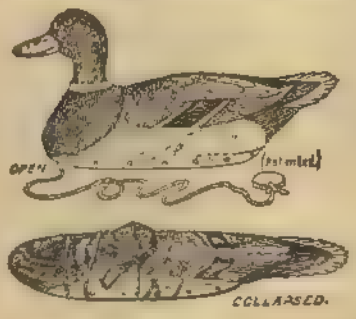
Four floats take one dozen decoys. One cord and anchor for three decoys

No. 6—Mallards, w't per doz. 9½ lbs., per dozen $14.70

No. F6—Canvas Backs, Blue Bills, Black Mallards, Whistlers, Red Heads, Teal Pidgeons, w't per doz. 10 lbs. ....per dozen★ $14.70

ONE DOZEN IN A STRONG SHIPPING CARTON

AUTOMATIC CANVAS DUCKS

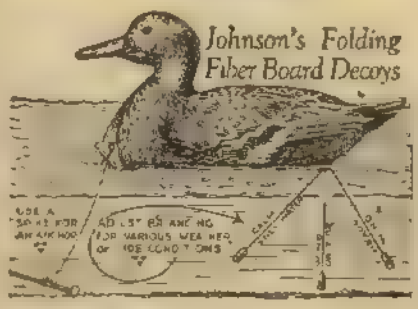


Open up automatically, no lever, no cranks, no air pressure, expand by means of spring when cord is unwound. Light in weight, pack in small space, can be collapsed quicker than any other decoy made, give good service and are hand painted, true to life.

No. 14—Collapsible decoys, mallard only, canvas body, wooden float and head block, one wire spring head support, one wire tail support, complete with anchor and cords, assorted 8 males and 4 females to the dozen .....,per dozen $18.20

ONE DOZEN IN A NEAT CARRYING BOX, WITH HANDLE; W'T PER DOZEN ABOUT 13½ LBS.

JOHNSON'S FOLDING FIBRE-BOARD DUCKS



MALLARD

Cheapest, lightest and most compact decoy made. Easily carried in a hunting coat.

No. 25—Folding decoys, life size, drakes and hens assorted. A good photographic reproduction of the Mallard duck is printed in natural colors on tough jute fibre board similar to stock used in manufacture of high grade shot gun shells, and so thoroughly waterproofed they last indefinitely when properly cared for. Decoy is composed of fiber-board body which folds flat, with full instructions printed on bottom of each decoy. Thin cedar float, also thoroughly waterproofed, slides snugly inside body to spread decoy and float it. The balancing device attached to the float makes tipping impossible. No more effective decoy made and none to be compared for convenience, w't complete 8 lbs., per dozen $8 80

ONE DOZEN IN TWO COMPACT CANVAS BAGS WHICH CAN BE CARRIED IN HUNTING COAT

Carry a line of goods upon which you can rely.

The dealer who carries H. S. B. & Co. Brands marks his store as a place where the better goods are sold.

A house with over sixty-eight years' experience stands back of our brands.

CEDAR DECOY DUCKS

SOLID

Flat bottomed, float evenly on water, well balanced, assorted, one-third female, two-thirds male.

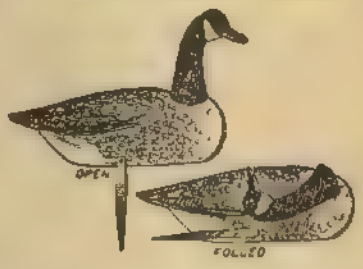
Glass eye, cedar decoys, good quality from selected white cedar. Painted in natural colors true to life. **Mallard, Blue Bill, Red Head Sprig Tail, Blue Winged Teal** and **Canvas Back.**

No. T1—Full one dozen box, per dozen $20.00

No. 1—Less than box, per dozen $20.00

ONE DOZEN IN A BOX, AVERAGE W'T PER DOZ. 30 BS.

FOLDING CANADA GEESE



No. 12—Canada geese decoys for land shooting, profile wooden bodies, folding wooden heads and folding wooden sticks which may be pressed into the ground, natural appearing, w't per doz. 6 lbs., per dozen $18.20

ONE DOZEN IN A NEAT CARRYING BOX

LIVE DECOY FASTENERS

Fastens around neck and has many advantages over leg fastening. Ducks can remain in water longer, as they have better use of their feet. Don't splash water all over you when taking them up.

No. 17—Samuell, flat brass collar, hinged to admit of fastening, riveted ring for cord, w't per doz. 8 oz. per dozen $4.00

DECOY ANCHORS

No. 15—Made from galvanized, malleable iron, with large loop wide enough to go over the head of the decoys and small loop for anchor cord, w't per doz. 5½ lbs., per dozen $2.90

No. 16—Made from iron, japanned. W't about 1½ lbs. each. Is heavy enough to securely hold live, as well as wood, decoys, is not easily fouled in snags and very convenient for winding the anchor cord when not in use, per dozen $3.70

BALANCE WEIGHTS

FOR WOOD DECOYS

No. 18—Made of cast iron. Have eyelets for anchor cord and two nail holes for fastening the weight to the decoy. These weights are easily attached, will balance the decoys so that it sets upright poperly in the water, also are cheaper than lead strips, w't per doz. 3¾ lbs., per dozen $1.80

GAME CARRIER

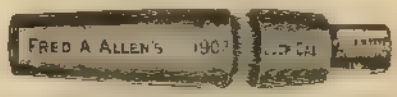
No. 0—Barnum, 2 tinned steel loops, stitched tan duck connecting strap, length folded 8 in., w't per doz. 2½ lbs. .....per dozen $3.00

LOOSE

CALLS

No. 760—Duck, cocobola wood, nickel tip .....per dozen $8.40

ONE DOZEN IN A BOX



No. 768—Allen's, duck, wood shell, nickel plated end, per dozen $14.00

The Allen Cal is as near perfection as can be attained being tuned by Mr. F. A. Allen, who is one of the oldest and most expert duck hunters in the country.

HALF DOZEN IN A BOX

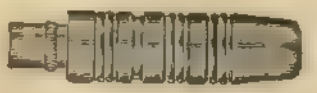
THE BROADBILL DUCK CALL will reproduce, with perfect accuracy, any call of our native ducks; will not break in tone by loud calling, operates with less effort than any other call on the market and has excellent tone quality.

It is made in two pieces, allowing the reed to be fastened securely to one side by the use of a metal clamp. Reed is made of the very best hard rubber and for durability cannot be improved upon.

The duck bill shape of the mouth piece gives the user a chance to manipulate this call much more freely than other calls, thus to obtain better results.

No. 767—W't per doz. 1½ lbs., per dozen $12.60

ONE IN A CARDBOARD BOX WITH FULL INSTRUCTIONS. ONE DOZEN IN A CARTON. SIX DOZEN IN A SHIPPING CARTON.



Non-corrosive and is easily adjusted to suit the different voices of Mallard, Pintail, Widgeon and other ducks without effecting the reed.

No. 769—Ditto's, duck, fitted with hand made rubber reed, rubber and cork inner parts, outside part of hard maple wood and spun brass, per dozen $21.50

ONE DOZEN IN A BOX

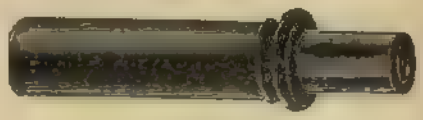
CALLS

This Call is the most natural toned, easiest blowing Crow Call on the market. Is always ready for use. Any inexperienced hunter can successfully call Crows. The Crow is one of the worst destroyers of our game birds and their nests. Every sportsman should help rid the country of these pests, who are busy from early dawn until dark, traveling in flocks over fields, prairies, woodlands and lakes, destroying the nests and young birds. In closed season the hunter enjoys this pastime of hunting Crows.

No. 780—Allen's Crow, wood shell, nickel plated end, w't per doz. 1½ lbs., per dozen $11.90

ONE DOZEN IN A BOX

OLTS FAMOUS CALLS



DUCK

A high grade call with a natural sound. It is constructed of hard rubber throughout. The reed is made of a specially prepared hard sheet rubber. This construction insures the calls against damage by climatic conditions.

No. 766—W't per doz. 1½ lbs., per dozen $11.20

ONE DOZEN IN A BOX

CROW

Easy to operate and will imitate a crow perfectly. It is made of fine hard polished rubber. The reed is also rubber. This construction insures the call against climatic conditions.

No. 764—W't per doz. 11 ozs., per dozen $11.20

ONE DOZEN IN A BOX

High Grade Imported Hall Clock

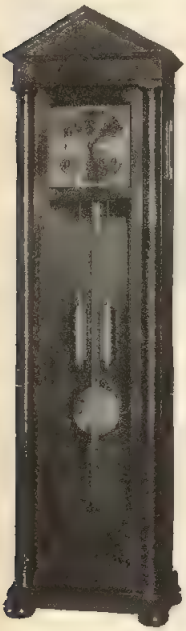
Big, Stately, Beautifully-made Clocks of Superior Quality and Workmanship

After carefully examining all makes of hall clocks we have selected those listed here and recommend them to you as the best to be had.

They are good, dependable timekeepers as well as being as finely finished as the best cabinet makers can make them.

These clocks run with weights and are wound only once in eight days. The striking gongs are so tempered that when the hammer strikes, a rich, mellow tone results. The clocks that have Westminster Chimes are self adjusting so that the strike cannot get out of time with the hands. All hall clocks are fitted with a beautiful cabinet of selected mahogany

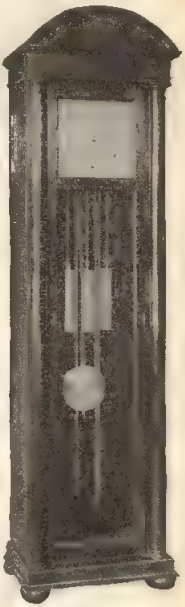
83+6743 Mahogany Hall Clock, 5 feet 10 inches high, 14 inches wide Bronze Dial 12½x8½. Eight day Westminster Chimes.....**$200.00**



83+6742½

1556 Mahogany Hall Clock, 86 inches high, 24 inches wide, and 13 inches deep. Gold dial 12 x 12 inches. Eight-day strikes the hour and half-hour. A very beautiful clock.

$250.00



83+6744

1561 Mahogany Hall Clock. A clock 8 inches high by 23 inches wide, with a 12 inch square fancy dial. Eight day. Three weights. Strikes Westminster Chimes in rich, mellow tones.

$350.00

83+6713

976 400 Day Mantle Clock, Height 12 inches Diameter 7¼ inches, Ivory finished 3 inch dial, Brass base. Entire movement covered by glass globe. Will run 400 days with one winding **$25.00**

Sonia Rod Chimes

Full Westminster Quarter Hour

Chime on Melodious True Toned Rods. Patented Feature for bringing Chime and Time into Unison. Finest Quality Mahogany Cases Dull Wax Finish. Six Inch Silver Plated Dials. Beveled, Convex Glasses. Chime Silencer concealed in Mat behind Bezel. Spirit Level on Dial which Indicates when Clock is in Beat; with Adjustable Feet for Leveling.

B3+6746

SONIA No. 1. Height, 10 in.; width, 23 in., depth, 7⅝ in.....**$98.00**

B3+6745

SONIA No. 2. Height, 10 in ; width. 21½ in ; depth. 7¼ in..... **$100.00**

We highly recommend Sonia Rod Chime Clocks. Their exquisite tone quality and fine workmanship is unexcelled. The melodious, pleasing chime on five rods gives one who hears it a desire to possess it.

B3+6747

SONIA No. 3. Height, 10 in.; width, 23½ in.; depth, 7¼ in..**$116.00**

Mahogany Finish Boudoir or Dresser Clocks

"Alarm Clocks in Full Dress"

Good Dependable American-Made Timekeepers. Fully Guaranteed

Any clock fitted with radium dial may be had for $1.50 additional.

The alarms may be shut off permanently if so desired and the clocks used as mantle clocks.

B3+6748

BOUDOIR No. 68

Height, 3⅞ in.; width, 6¾ in. A silver dialed 8-day alarm clock that fills a popular need of a good, dependable alarm clock in a beautiful case, an asset to any boudoir **$11.40**

B3+6748½

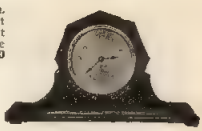
BOUDOIR No. 69

Height, 4 in.; width, 6¾ in. Made for people that want a good looking alarm clock at a price that is very low. One Day Time. Plain Dial **$5.60**

B3+6749

BOUDOIR No. 70

Height, 4 in.; width, 7 in. One-Day Time intermitting alarm. Silver dial. Popular shape. Price **$9.70**



B3+6749½

BOUDOIR No. 71

Height, 3¾ in., width, 6½ in Eight-day Time. Silver dial Tambour shape. Very good looking **$11.40**

For years the merchandising department of The Indianapolis News has studied and analyzed and collated the information about selling conditions in the Indianapolis Radius (Indianapolis and central Indiana) with an exceptionally high degree of thoroughness.

Most of this information has been reduced to writing and to tabular forms, and fills more than a score of bound volumes in The News building. This information could not be reduced to one book for general distribution.

But The 1923 Indianapolis Radius Book is a veritable gold mine of facts about selling conditions in the rich Indianapolis territory — facts based upon the extensive experience of The News organization. Manufacturers, advertising managers and advertising agencies should have this book. It is being mailed as it comes from the printer to practically everyone who might be interested in introducing or increasing the distribution or sale of a product in the Indianapolis Radius.

If by any chance you have not received *your* copy of The 1923 Radius Book, write at once for it.

You will find it not only a help to you in solving your Indianapolis distribution problems, but you will find in it much interesting information about Indianapolis and The Indianapolis News.

If you haven't yours, send for it today.

The Indianapolis News

FRANK T. CARROLL
Advertising Manager

New York Office
DAN A. CARROLL
150 Nassau St.

Chicago Office
J. E. LUTZ
The Tower Bldg.

Half-way Isn't Very Far

The purposes of our advertising and the activities of our selling force are not directed toward soliciting business, so far as new clients are concerned.

That which we solicit is simply an opportunity to show the buyer of printing that the Charles Francis Press organization can be of real service to him.

Why not meet us half-way? Give us this opportunity. It takes but a few moments' time, and may result in your getting a new slant on the possibilities of your printing.

Charles Francis Press

Printing Crafts Building *Telephone Longacre 2320*

461 Eighth Avenue, New York City

Victory

THE MASTER

EIGHT DAY ALARM CLOCK

Height, 7 inches. Dial 4½ inches. Solid Brass Case, nickeled and highly polished. Bright polished Brass Mat. Large Clear Toned Bell on Back. Alarm controlled by the Ingraham famous "Stem Shut-Off." Finely constructed and finished throughout.

Guaranteed to keep time for eight consecutive days with one winding.

Case Lots (24 clocks), each.....	$3.10
Smaller Quantities, each	5.28

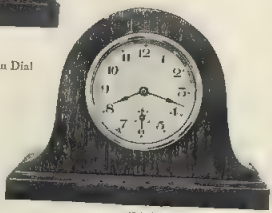
INGRAHAM EIGHT-DAY LEVER ALARM CLOCKS

SANCHO

Solid Mahogany Case. Eight-Day Alarm. Porcelain Dial. Height, 6 inches. Width, 11 inches.
$6.93

SIBYL

Solid Mahogany Case. Eight-Day Alarm. Porcelain Dial. Height, 8 inches. Width, 6 inches.
$8.77



SAGE

Solid Mahogany Case. Eight-Day Alarm. Porcelain Dial. Height, 6 inches. Width, 8 inches.
$8.77

VICTORY RADIUM
EIGHT-DAY TIME AND ALARM

Height, 7 inches. Dial, 4½ inches. Solid Brass Case, Nickeled and Highly Polished. Polished Brass Mat. Large Bell on Back. Stem Shut Off. Hands and Numerals treated with a highly luminous preparation guaranteed to contain radium, making time-reading in the dark easy and practical. Clock guaranteed to keep time for eight consecutive days with one winding.

Case lots (24 clocks), each $6.12
Smaller quantities, each ... 6.39

ACE
EIGHT DAY TIME AND ALARM

Height, 6 inches. Dial 3½ inches. Drawn Brass Case, Nickel-Plated and Polished. Large Back Bell. Stem Shut-Off. Clock guaranteed to keep time for eight consecutive days with one winding. Packed 24 clocks in a box, divided in two shipping cartons of 12 clocks each, each clock in a separate pasteboard box.

Case lots (24 clocks, each . $4.78
Dozen lots, each . 4.86
Smaller quantities, each 5.06

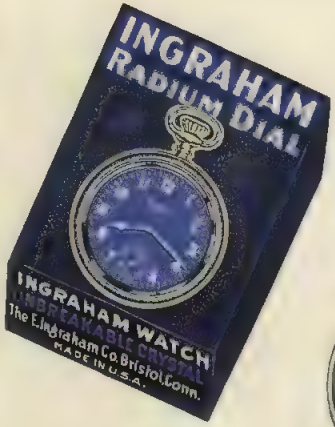
DIAMOND
EIGHT-DAY TIME AND ALARM

Height, 6 inches. Dial 3½ inches. Drawn Brass Case, Nickel Plated and Polished. Large Back Bell. Stem Shut Off. Hands and numerals treated with a highly luminous preparation guaranteed to contain radium, making time-reading in the dark easy and practical. Clock guaranteed to keep time for eight consecutive days with one winding.

Case lots (24 clocks), each..... . $5.88
Dozen lots, each. 5.96
Smaller quantities, each 6.06

POPULAR-PRICED WATCHES

FITTED WITH OUR PATENTED
NON-BREAKABLE CRYSTALS
CLEAR DURABLE SERVICEABLE



Thin Models

Pull-Out Stem Sets

Reliable Movements

INGRAHAM RADIUM

PATHFINDER RADIUM
Compass in Crown

Please Note Carefully

the Superior Features of these Watches

THESE ARE ALL SELLING POINTS:

1. *Non-breakable Crystal*
2. *Deep Blue Dial*
3. *Solid Nickel-Silver Case*
4. *Pull Out Stem Set*
5. *Fourteen Size*
6. *Thin Model*
7. *Handsomely Packed*
8. *Superior Ingraham Movement*
9. *Radium Luminous Dial, guaranteed 5 years*
10. *Striking Square Cornered Figures*
11. *Antique Bow*

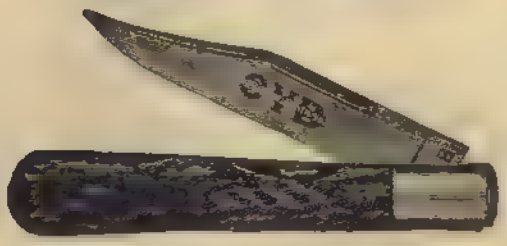
Three Dozen Lots, each	$2.70
Smaller Lots, each	2.82

These watches are in keeping with Ingraham's reputation for manufacturing high-grade time pieces, and have been produced at such a low price that you are assured quick sales with good profit. There is certainly no watch marketed today that offers so many of the above selling points.

Ingraham's Positive Guarantee Back of each Watch!

POCKET KNIVES

OUR VERY BEST, FOLDING



LOCK BACK

No. 143G—1 blade, full polished, 3⅞ in., stag handle, brass lined, length closed 4½ in. ...per dozen $23.00

HALF DOZEN IN A BOX

LOCK BACK

No. 156G—1 blade, half polished, 4½ in., stag handle, brass lined, length closed 5½ in. ...per dozen $40.00

HALF DOZEN IN A BOX

One blade, glazed, 4½ in. iron lined, length closed 5½ in.

No. 144G
Handle .....Cocoa
Bolster .....Single
Per dozen $20 00

HALF DOZEN IN A BOX

No. 061H—1 large **clip point** blade, glazed brown bone handle, steel lined, length 5 in. when closed, per dozen $10.50

HALF DOZEN IN A BOX

No. 083H—**Easy opener,** 1 large **clip point** blade, glazed, brown bone handle, steel lined, length 5 in. when closed ... . per dozen $10.50

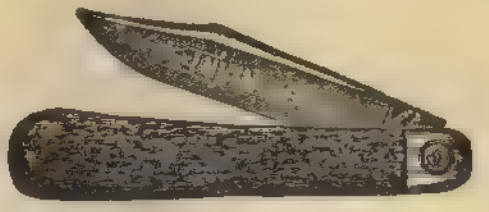
HALF DOZEN IN A BOX

PRESS BUTTON, FOLDING

By pressing the button shown in bolster, the blade will fly open and become firmly locked in place. To close the blade it is necessary first to press the button.

No. 943G—1 blade, polished, 3 in., stag handle, iron lined, length closed 4 in. .....per dozen $21.60

HALF DOZEN IN A BOX



No. 944G—1 blade, polished, 3⅞ in., stag handle, iron lined, length closed 4⅞ in. .....per dozen $24.00

HALF DOZEN IN A BOX

No. 953G—1 blade, polished, 3⅞ in., stag handle, iron lined, patented, self-adjusting, nickeled silver guard, length closed 4⅞ in. .....per dozen $32.00

HALF DOZEN IN A BOX

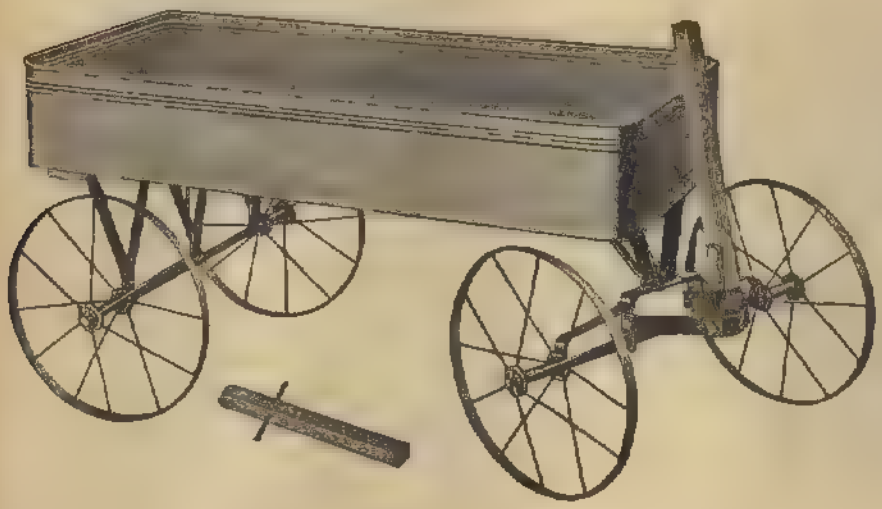
CAMPING KNIFE, FORK AND SPOON

The above knives are ideal knives for campers and picnicers. Through an ingenious placing of slots in the linings the user can instantly take the knives apart in sections. Each section joins and open like an ordinary pocket knife.

No. 2733P Hibbard—2 pieces, finest quality English crucible steel knife and fork, stag handle, brass lined, length 4 in. closed .....per dozen $24.00

STEEL EXPRESS WAGONS

Steel body and wheels, body painted bright vermilion, striped and varnished, wheels painted black, inside painted green. Top of body bent over wrought iron rod, making it very firm, rounded corners, steel gears. Wood handle with cross bar grip.



STEEL BODY AND WHEELS

Handle ¼x¼ in.

Nos.	N04	N02
Height of body, in.	2¾	3¾
Body, in.	8x18	10x22
Wheels, in.	6	8
W't doz crated, lbs.	70	90
Per dozen	$21.70	25.50

Handle ¾ in. Square

Nos.	N1	N3	N4
Height of body, in.	5½	5⅞	5⅞
Body, in.	12x26	14x30	15x32
Wheels, in.	10	11	11
W't doz., crated, lbs.	160	234	245
Per dozen	$39.15	47.40	55.30

No. N04 ONE THIRD DOZEN; BALANCE ONE SIXTH DOZEN IN A BOX.

FARM WAGONS

Body 18x36x7 in., bent hounds, adjustable reach, all parts strongly ironed and braced, 14 and 20 in. wheels, shaved spokes, heavy welded tires, plate wrought iron hub boxes and hub caps 9/16 in. round steel axles, complete with seat and tongue.

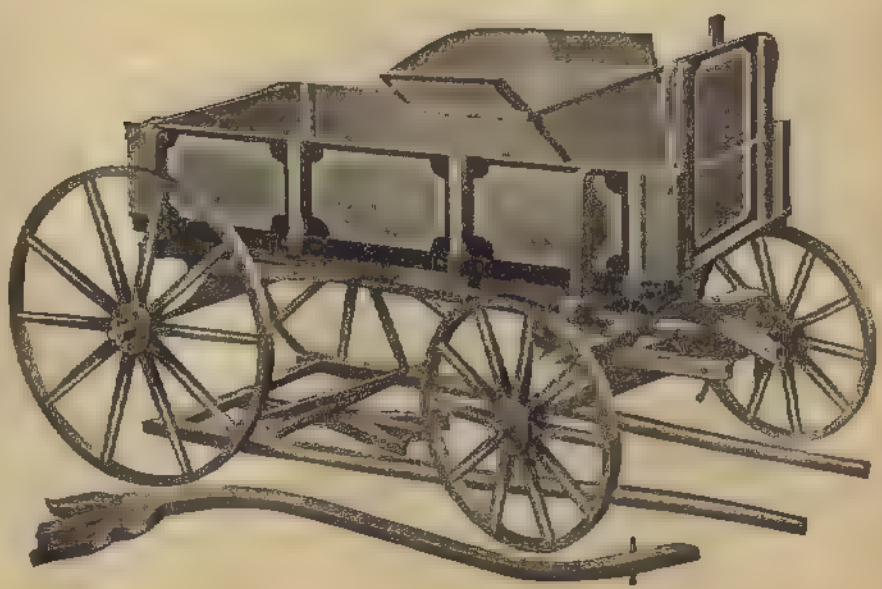
No. N3550—W't per doz. 660 lbs., per dozen $185.40

Extra hardwood shafts for dog or goats, w't per doz. 60 lbs., per dozen $21.00

TWO IN A CRATE. WE DO NOT BREAK CRATES

This resembles a farm wagon in every respect. The sides and ends can be taken off, leaving bed with stakes.

REAKOSED HARDWOOD FRAME AND WHEELS



REV-O-NOC EXPRESS WAGONS

Solid body of 24 ga. steel, outside painted vermilion, ornamented with gold stripes, inside green. Solid substantial wood wheels and handle, painted vermilion. Steel loop grip.

IRON HUB WHEELS, ¾ IN. SQUARE HANDLE

Nos.	N70	N71
Height of body, in.	4½	4½
Body, in.	12×24	13×26
Wheels, in.	8 & 12	9 & 13
W't doz., crated, lbs.	264	282
Per dozen	$71.10	78 60

Nos.	N72	N73
Height of body, in.	5	5
Body, in.	14×28	15×30
Wheels, in.	11 & 14	12 & 15
W't doz., crated, lbs.	300	336
Per dozen	$86.10	93.70

WAGONS SIXTH DOZEN IN A CRATE. WE DO NOT BREAK CRATES.

EXTRA HANDLES

No. N071—Per dozen $3.30

EXTRA WHEELS

Nos.	N078	N079	N0711	N0712
Inches	8	9	11	12
Per dozen	$10.00	10.50	10.50	10.50

Nos.	N0713	N0714	N0715
Inches	13	14	15
Per dozen	$10.50	10.50	10.50

CRUSO EXPRESS WAGONS

Solid body of 25 ga. steel, painted red, stenciled in gold. Extra heavy steel wheels painted black, nickel hub caps, heavy wrought gear with extra brace on rear axle, finished in black coke enamel, 7/16 in. round steel axles, bent hande, loop grip, painted red, four cleats across bottom.

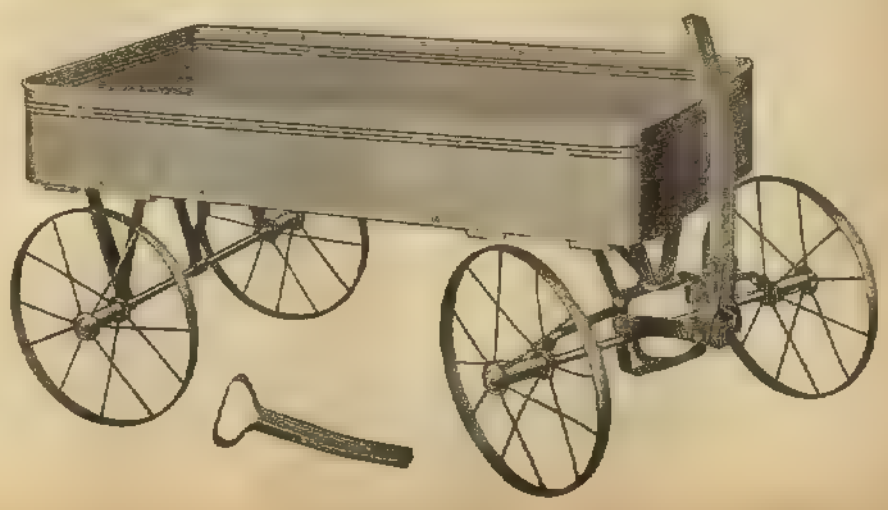
Handle ¾ in. Square.

Nos.	N81	N83
Height of body, in.	5½	5½
Body, in.	12×26	14×30
Wheels, in.	10	11
W't doz., crated, lbs.	204	252
Per dozen	$47.40	56.15

TWO IN A CRATE. WE DO NOT BREAK CRATES

EXTRA AXLES

Nos.	N704	N714	N724	N734
For Wagons No.	N70	N71	N72	N73
Per dozen	$6.60	6.60	8.10	8.10



IVER JOHNSON REVOLVERS

Double Action—Automatic Ejection

HAMMER

22 Caliber; 7 Shots; Small Frame; Shoots BB Caps, 22 SRF or 22 LRF Cartridges.

Nickel Plated

	Each
No. 2231—3 inch Barrel; Weight 12 ozs. ..... One in a Box	$16 00

32 Caliber; 5 Shots; Small Frame; Rubber Handle, Shoots 32 S&W Central Fire Cartridge

Nickel Plated

	Each
No. 3231—2 inch Barrel, Weight 11 ozs., for Bicyclists.....	$16 00
No. 3231—3 inch Barrel; Black Rubber Handles; Weight 12 ozs.	16 00
No. G3231P—Same as Above, Only with Pearl Handles and Gold Gilt Cylinder	24 00
No. 3241—4 inch Barrel; Weight 13 ozs.	16 50

Blued

	Each
No. 2323I—3 inch Barrel; Black Rubber Handles; Weight 12 ozs..	$16 00
No. G2323IP—Same as Above, Only with Pearl Handles and Gold Gilt Cylinder.....	24 00
No. 2324I—4 inch Barrel; Weight 13 ozs. One in a Box	16 50

38 Caliber; 5 Shots; Regular Frame; Rubber Handle; Shoots 38 S&W Central Fire Cartridges.

Nickel Plated

	Each
No. 383¼I—3¼ inch Barrel; Black Rubber Handles; Weight 17 ozs.	$16.00
No. G383¼IP—Same as Above, Only with Pearl Handles and Gold Gilt Cylinder.....	24.00
No. 384I—4 inch Barrel; Weight 18 ozs.....	16 50

Blued

	Each
No. 2383¼I—3¼ inch Barrel; Black Rubber Handles; Weight 17 ozs.....	$16 00
No. G2383¼IP—Same as Above, Only with Pearl Handles and Gold Gilt Cylinder	24.00
No. 2384I—4 inch Barrel; Weight 18 ozs..	16 50
No. 2385I—5 inch Barrel; Weight 19 ozs..... One in a Box	17 00

HAMMERLESS

32 Caliber; 5 Shots; Small Frame; Shoots 32 S&W Central Fire Cartridges.

Nickel Plated

	Each
No. 3221H—2 inch Barrel; Weight 11½ ozs.; for Bicyclists .	$17 50
No. 3231H—3 inch Barrel, Rubber Handle; Weight 12½ ozs.....	17 50
No. 3231HP—Same as Above, Only with Pearl Handles.....	26 00
No. 3241H—4 inch Barrel; Weight 13¾ ozs.....	18 00

Blued

	Each
No. 2323H—3 inch Barrel; Black Rubber Handles; Weight 12½ ozs....	$17 50
No. 2323HP—Same as Above, Only with Pearl Handles.....	26 00
No. 2324H—4 inch barrel; Weight 13¾ oz. ..... One in a Box	18.00

38 Caliber; 5 Shots; Regular Frame, Rubber Handle Shoots 38 S&W Central Fire Cartridges.

Nickel Plated

	Each
No. 383¼H—3¼ inch Barrel; Black Rubber Handles; Weight 18¼ ozs.....	$17 50
No. 383¼HP—Same as Above, Only with Pearl Handles.....	26 00

Blued

	Each
No. 2383¼H—3¼ inch Barrel; Black Rubber Handles; Weight 18¼ ozs.....	$17 50
No. 2383¼HP—Same as Above, Only with Pearl Handles.....	26 00
No. 2384H—4 inch Barrel; Weight 19 ozs.. One in a Box	18 00

SEND US ALL YOUR ORDERS WITH OUR ASSURANCE THAT WE WILL FILL THEM CAREFULLY, SHIP THEM QUICKLY AND PRICE THEM RIGHT.

IVER JOHNSON REVOLVERS

HAMMER; WALNUT GRIP

Double Action, Automatic Ejecting

One-Piece Large Walnut Grip Smooth Finish, No Side Screws; Grip Fastened to Frame on Under Side; Regular Frame; Especially Adapted to the Needs of Sportsmen, Target Shooters, Police Officers and Night Watchmen.

32 Caliber; 6 Shots; Shoots 32 S&W Center Fire Cartridges.

Nickel Plated

	Each
No. 324IWG—4 inch Barrel; Weight, 16 ozs	$19.70

Blued

	Each
No. 2324IWG—4 inch Barrel; Weight, 16 ozs.	$19 70

One in a Box

38 Caliber; 5 Shots; Shoots 38 S&W Center Fire Cartridges.

Nickel Plated

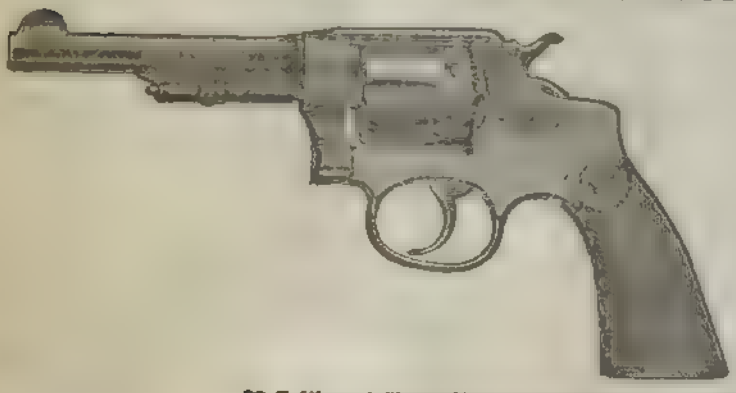
	Each
No. 384IWG—4 inch Barrel; Weight, 18 ozs	$19.70

Blued

	Each
No. 2384IWG—4 inch Barrel. Weight, 18 ozs	$19.70

One in a Box

SMITH & WESSON REVOLVERS



REGULATION POLICE MODEL

Double Action; Solid Frame; Swing Out Cylinder; New Patent Safety Hammer Block; Checkered Wood Stock.

32 Caliber, 6 Shots, Shoots 32 S&W 32 S&W Long and 32 Colt's New Police Center Fire Cartridges.

Nickel Plated

	Each
No. 323½SRP—3¼ inch Barrel; Weight, 19 oz	$16.40
No. 324½SRP—4¼ inch Barrel; Weight, 20 oz	16.40
No. 326 SRP—6 inch Barrel; Weight, 21¾ oz	16.40

Blued

	Each
No. 2323½SRP—3¼ inch; Barrel; Weight, 19 ozs	$16 40
No. 2324½SRP—4¼ inch; Barrel; Weight, 20 ozs	16 40
No. 2326 SRP—6 inch; Barrel; Weight, 21¾ ozs	16.40

One in a Box

38 Caliber, 5 Shots, Shoots 38 S&W, 38 S&W Gallery, and 38 Short Colt's Center Fire Cartridges.

Nickel Plated

	Each
No. 384SRP—4 inch Barrel; Weight, 17¼ ozs	$16.40

Blued

	Each
No. 2384SRP—4 inch Barrel; Weight, 17¼ ozs	$16 40

One in a Box

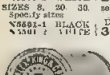
THREADS, SILKS, COTTONS

NOTE: All threads and cottons will be billed at prevailing market prices on day order is received, whether higher or lower than here named

COTTON THREADS

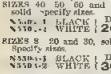
"Dragon"—3 cord hard pearl finish, 100 yds. on spool 1 doz. spools in box
SIZES 40, 50, 60, 70 solid
Specify sizes.
N3500-1—BLACK | Doz.
N3500-2—WHITE | 26c

SIZES 8, 20, 30, solid
Specify size.
N3501-1—BLACK | Doz.
N3501-2—WHITE | 36c

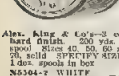


Alex. King & Co's—3 cord, soft finish 100 yds. on spool 1 doz. spools in box
SIZES 40 50 60 and 70, solid specify size.
N3502-1—BLACK | Doz.
N3502-2—WHITE | 26c

SIZES 8 20 and 30, solid
Specify size.
N3503-1—BLACK | Doz.
N3503-2—WHITE | 36c



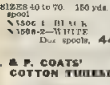
Alex. King & Co's—3 cord hard finish. 200 yds. on spool. Sizes 40 50, 60 and 70, solid SPECIFY SIZE—1 doz. spools in box
N3504-2—WHITE
Doz. 50c



"Up To-Date"—6 cord, solid sizes 4 doz. spools in box
SPECIFY SIZES
SIZES 8 to 36 100 yds. on spool
N3505-1—BLACK | Doz.
N3505-2—WHITE | spools
Doz. spools 44c

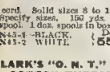
SIZES 40 to 70 150 yds. on spool
N3506-1—BLACK
N3506-2—WHITE
Doz. spools, 44c

J. & P. COATS' COTTON THREADS



6 cord. Solid sizes 8 to 100
Specify sizes. 150 yds. on spool. 1 doz. spools in box
N4542—BLACK | Doz.
N4542—WHITE | 55c

CLARK'S "O. N. T." COTTON THREADS

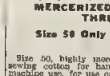


6 cord Solid sizes 8 to 100
Specify sizes 150 yds on spool. 1 doz spools in box
N42-1—BLACK | Doz.
N42-2—WHITE | 55c

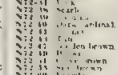
J. & P. COATS' MERCERIZED THREADS

Size 80 Only

Size 80, highly mercerized sewing cotton for hand and machine use, for use on silk, cotton and wool fabrics, simple, strong, lustrous and smooth, 100 yds. on spool



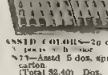
SOLID COLORS — 1 doz. spools in box
N32-8 Black
N32-9 Snow White
N32-7 Delft blue
N32-4 Blue
N32-6 Copen blue
N32-5 Cadet blue
N32-12 Electric blue
N32-13 Sapphire
Doz. 48c



ASSTD COLORS—20 colors, 5 spools each of 4 shades
N33—Asstd 5 doz. spools in carton
(Total $2.40) Doz. 48c

AMERICAN THREAD CO "STAR TWIST"

Mfrs' count 200 yds. high grade mercerized cotton for all hand work or sewing machines. Smooth, strong, even and elastic.



SOLID COLORS 100 yds on spool
N3294-500—Black
N3294-508—Lemon
N3294-512—Natural
N3294-514—Delft blue
N3294-515—Copen
N3294-516—Light blue
N3294-517—Blue
N3294-518—Navy blue
N3294-519—Cadet blue
N3294-520—Electric blue
N3294-521—Sapphire
N3294-522—Nile green
N3294-523—Light green
N3294-524—Grass green
N3294-525—Dark green
N3294-526—Olive green
N3294-530—Brown
N3294-534—Chestnut
N3294-535—Tan
N3294-536—Coral
N3294-537—Pink
N3294-538—Rose
N3294-539—Shell pink
N3294-540—Maroon
N3294-542—Orchid
N3294-543—Violet
N3294-544—Lavender
N3294-545—Grape brown
N3294-550—Brown
N3294-551—Chestnut
N3294-552—Tan
N3294-553—Pink
N3294-554—Coral
N3294-555—Rose
N3294-556—Shell pink
N3294-557—Maroon
N3294-558—Orchid
N3294-559—Violet
N3294-560—Lavender
N3294-561—Light green
N3294-562—Grass green
N3294-563—Dark green
N3294-564—Olive brown
N3294-565—Brown

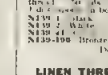
CABINET ASSTT.—Consists of 30 lbs. selling shades.
N3293—Asstd 5 doz. in box
(Total $2.40) Doz. 48c

LINEN FINISH BUTTONHOLE AND CARPET THREADS

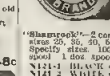
"Starter Oak" Linen finish button and carpet thread 50 yds. on spool. 2 doz spools in box.
N137-4—BLACK. | Doz.
N137-4—WHITE | 48c

"J. P. King's Giant" Linen finish button and carpet thread 50 yds. on spool 1 doz spools in box
N139-1—Black
N139-2—White
N139-21—Ecru
N139-198—Bronze brown
Doz. 63c

LINEN THREADS



"Shamrock"—2 cord Solid sizes 20, 30, 50, 60 and 60 Special sizes 100 yds. on spool 1 doz spools in box.
N124-1—BLACK | Doz.
N124-2—WHITE | $1.12



"Harbour" 3 cord Solid sizes Special sizes 1 doz. spools in box
Delivery on NOVEMBER 1st
N312-1—BLACK
N312-2—WHITE | 80c
Doz.

200 YDS ON SPOOL 8 cord 25 to 70 50 to 90
N123-1—BLACK
N124-2—WHITE | $1.80
Doz.

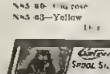
"CORTICELLI" SPOOL SEWING SILK

BLACK 1 1/2 spools in box
50 YDS. ON SPOOL—
N80-A—Size A, standard 3/8 inch, 3 cord, coarse.
Doz. 90c

100 YDS ON SPOOL—
N81-A Size A standard 3/8 inch coarse
N81-B
Doz. $1.65

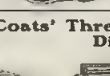
SOLID COLORS Size A only, 50 yds. on spool 1 doz spools in box
N87-1190—Blue white.
N87-1191—Pure white.
N87-1142 Cream white
N87-1193 Ecru
N87-807 Light blue.
N87-808—Medium blue
N87-809—Delphian blue.
N87-814—King blue
N87-814-9 National blue
N87-813 Light navy
N87-815—Medium navy
N87-814 Dark navy
N87-617-1 Nile blue
N87-920-1 Copen
N87-921-3 Dark copen.
N87-922 Wood brown
N87-924 Medium brown
N87-918 Light brown
N87-667—Cream brown
N87-1023 Emerald green
N87-1627—Myrtle green.
N87-1039-3—Lavender
N87-1038-1—Royal purple
N87-1044-8—Plum
N87-1058—Scarlet
N87-1062 Cardinal
N87-1068—Garnet.
N87-1071 Ash
N87-1075-5—Oak rose.
N87-1124 Linger
N87-1138—Taupe
N87-1164—Light gray.
N87-1168—Medium gray.
N87-1188—Dark gray
Doz. 90c

BLENDED COLORS—Size A only, 3 spools each of 4 different shades, 50 yards on spool Asstd. 1 doz. spools in box
N85-5—Light blue
N85-8—Medium blue.
N85-7—Royal blue.
N85-3—Copen.
N85-9—Peacock.
N85-10—Delft blue.
N85-12—Navy blue.
N85-13—Dark navy
N85-15—Light brown
N85-17—Medium brown
N85-19—Dark brown
N85-24—Pongee.
N85-25—Tan
N85-26—Dark green
N85-29—Pistache green
N85-31—Myrtle
N85-32—Emerald
N85-33—Scarlet
N85-35—Cardinal
N85-36—Garnet
N85-83—Yellow
Doz. 90c



ASSTD 18 COLORS 6 spools each of 18 colors 50 yds on spool
N90—Asstd. 6 doz. spools in carton
(Total $5.40) Doz 90c

U. S. NAVY BLACK SEWING SILK
U. S. Government Goods

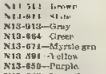


N85 Size 1 black sewing silk U. S. Navy standard first class in every respect 8 oz. guaranteed strong 150 yds. on spool 1 doz. spools in pkg
Lots Filled
Doz. $0.95
.94

JAPAN SEWING SILK

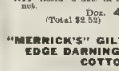
Size A, first quality pure silk, hard twist, smooth even finish, 50 yds on spool

SOLID COLORS—1 doz. spools in box
N13-8 Black
N13-581—White
N13-583 Cream white
N13-604 Pink
N13-804—Dk. pink
N13-936—Old rose
N13-807 Sea blue
N13-812 Cardinal
N13-544—Sky blue
N13-553—Marine blue
N13-555—Navy
N13-924—Copen
N13-540—Med. blue
N13-548—Dk. blue
N13-597—Pongee
N13-736 Tan
N13-511 Brown
N13-1001 Nile
N13-913—Gray
N13-664 Green
N13-671—Myrtle grn
N13-891 Delphin
N13-859—Purple
N13-642—Lavender
Doz. 44c



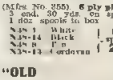
CABINET ASST Asstd colors as follows 2 doz. black, 1 doz. white, 3 doz. in popular colors best selling proportions
N14—Asstd 6 doz. in cabinet
Doz. 42c
(Total $2.52)

"MERRICK'S" GILT EDGE DARNING COTTONS



(Mfrs' No. 255) 6 ply plain, 3 and 50 yds on spool 1 doz. spools to box
N38-1 White | Doz.
N38-14 Black | spools
N38-8 Tan | 25c
N38-13 Cordovan

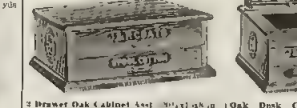
"OLD HOMESTEAD" CARPET WARP



4 ply only Smooth uniform color and size and rich full open all wool Weight about 1 lb to a yard Specify color and number of lbs

N501-1 White	Lb.	50c
N501-2—Black		
N501-4 Blue		
N501-5 Brown		
N501-6 Dye		1 lb
N501-7 Dark green		55c
N501-8 Red		
N501-8—Orange		
N501-10—Ecru		

Clark's and Coats' Thread Display Cabinets



2 Drawer Oak Cabinet Asst—50 spools as follows (10% allowed in each shade over list of 1/10 included in total below). 50 doz. 6 cord Basting 150 yds. on spool Asstd. as follows

Size	Spools White	Spools Black
4	6	5
5	3	3
8	5	5
10	6	6
12	4	4
14	4	4
16	5	5
20	10	8
30	10	9
40	28	15
50	33	33
60	12	12
	210	90

Asstd. 300 spools (25 doz.) in cabinet

N8200—CLARK'S O. N. T. CABINET $17.25

N8202—J. & P. COATS CABINET $17.25

Oak Desk Cabinet Asst—4 drawers (10x20x18½), sloping top, desk style space for extra stock papers, cabinet furnished complete at extra charge of 50 (is) included in total below, 50 doz. 6 cord Basting 150 yds. on spool Asstd. as follows

Size	Spools White	Spools Black
4	10	10
5	6	6
8	8	8
10	6	6
12	4	4
14	4	4
16	5	5
20	18	15
30	21	21
40	75	80
50	165	70
60	100	55
	450	180

Asstd. 600 spools (50 doz.) in cabinet.

N88—CLARK'S O. N. T. CABINET, $34.50

N8581—J. & P. COATS' CABINET, $34.50

CLARK'S & COATS'

CROCHET AND EMBROIDERY COTTONS

CROCHET COTTONS

Standard sizes for all kinds of crocheting, tatting and lace making.

CLARK'S "O. N. T." Mercerized Cotton—Offers Big Value in Best Quality Crochet Cotton. Size 30 is the finest and size 3 the heaviest in the line.

WHITE—

N139-3 — 3	25 yds.
N1346-8	5 yds.
N139-10	10 yds.
N139-20	20 yds.
N139-30	30 yds.
N139-40	40 yds.
N139-50	50 yds.
N139-60	60 yds.
N139-70	70 yds.
N139-80	80 yds.
N139-90	90 yds.
N139-100—100	150 yds.

BOX (12 balls) **90c**

ECRU— Size In ball

N140-1	1 yds.
N140-3	3 yds.
N140-5	5 yds.
N140-8	8 yds.
N140-10	10 yds.
N140-20	20 yds.
N140-30	30 yds.
N140-40	40 yds.
N140-50	50 yds.
N140-60	60 yds.
N140-70—70	150 yds.
N140-80	80 yds.
N140-100—100	150 yds.

BOX (12 balls) **90c**

SIZE 30, SOLID COLORS—100 yds in ball

N283-7 —Lt. blue.
N283-3 —Pale pink.
N283- —Dark blue.
N283- —Yellow
N283- —Mid-red.
N283- —American Beauty

BOX (12 balls) **90c**

SIZE 50, SOLID COLORS—150 yds. in ball.

N274-7 —Lt. blue.
N274-3 —Lt. pink.
N274-4 —Pink
N274-23—Dark blue.
N274-8 —Yellow
N274-67—Mid-red.
N274-46—American Beauty

BOX (12 balls) **90c**

ASSTD. 3 COLORS—Asstd lines, pale blue, royal blue, pale pink, light yellow, medium yellow, light green, medium green, dark green, light red, medium red, dark red, white, ecru, black.

N276 (Mfrs. B11...), size 30, 100 yds. in ball.
Carton **$2.70**

N275—(Mfrs. B4-34), size 50, 125 yds. in ball.
Carton, **$2.70**

COATS Mfrs A 11 Lisle Size 70 is fine to best

SOLID COLORS—

N135-1	White
N135-2	Cream
N135-42	—Dark cream.
N135-50	Light cream
N135-11	Ecru
N135-41	Dark ecru
N135-114	Beige
N135-10	Light beige
N135-34	Violet.
N135-7	—Light blue.
N135-8	—Blue
N135-9	—Navy blue.
N135-89	Light sage blue.
N135-22	—Delft blue.
N135-108	Steel Blue.
N135-5	Light pink
N135-6	Pink
N135-48	Ice
N135-47	Lemon pink.
N135-122	Tyrio Indian pink
N135-127	Tyrian pink
N135-124	Mauve
N135-44	Lavender
N135-28	Orchid
N135-76	Rose
N135-47	Coral
N135-8	—Mars green.
N135-104	—Mid. apple green
N135-106	—Lt. yellow green
N135-140	Laurel green.
N135-48	—Pale olive green.
N135-78	Olive green
N135-44	Cinnamon
N135-56	Brown.
N135-42	Taupe

BOX (24 skeins) **55c**

COATS' "STARTER" ASST—Asstd. colors 12 skeins each 20 most popular selling colors, with glass top cabinet.

N31—40 boxes (240 skeins) in cabinet.
BOX (24 skeins) **55c**
Total $3.50)

CLARK'S O. N. T. Mercerized Crochet Cotton. Size 30 is the finest and size 3 the heaviest in the line.

N18 Asstd colors. Mfrs. B11, 3 pcs each colors, 30, 50, 70, 80, 90, 100, 150, 200, 300, 400 yds in carton.
CARTON 36 spools **$1.08**

N2114 Asstd colors (Mfrs. B4D), 3 pcs each colors, 25, 30, 50, 70, 80, 90, 100, 150, 200, 300, 400 yds in carton.
CARTON (36 spools **$1.65**

NOTE: All threads and cottons will be billed at prevailing market prices on day order is received when lower or higher than here named.

CLARK'S "O. N. T." PEARL COTTONS

Full range of sizes and colors. Size and color cards on request.

BLKE 3—(Mfrs. B19), 50 yds. in ball 12 balls in box.

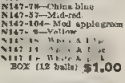
N97—	White
N97-1	Black
N97-3	Pink
N97-4	Red
N97-45	Dark yellow
N97-43	Orange.
N97-48	Dark green
N97-47	Dark green
N97-8	Blue
N97-7	Light blue
N97-5	Navy blue
N97-33	Gray
N97-16	Brown
N97-17	Dark brown
N97-18	Tan
N97-67	Mid-red
N97-9	Lavender
N97-93	Purple

BOX 12 balls **$1.00**

BLKE 5—(Mfrs. B19), 25 yds. in ball. 12 balls in box.

N147-1	White
N147-12	Ecru
N147-3	Pink
N147-4	Red
N147-45	Yellow
N147-43	Orange.
N147-48	Dark green
N147-47	Dark green
N147-8	Blue
N147-7	Light blue
N147-5	Navy blue
N147-33	Gray
N147-16	Brown
N147-17	Dark brown
N147-18	Tan
N147-67	Mid-red
N147-46	Dark apple green
N147-9	Lavender
N147-93	Purple

BOX (12 balls) **$1.00**



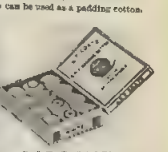
SOLID COLORS, LARGE BALLS—(Mfrs. 20) Size 5, 200 yds. in ball. 10 balls in box.

N109-17	Black
N109-1	Ice cream
N109-4	Light pink
N109-22	Light blue
N109-14	Light red
N109-146	Light grey
N109-1	White
N109-43	Orange
N109-3	Rose pink
N109-27	Medium red
N109-48	Lime
N109-83	Lime
N109-66	Green

BOX 10 balls **$1.85**

DARNING COTTONS

Standard quality—white can be used as a padding cotton.



Clark's "O. N. T." 8 ply Plain—(Mfrs. B36), 8 cord, 10 ball

N40-1	White
N40-3	Pink
N40-12	Red
N40-42	Dark red

Clark's O. N. T. 8 Ply Plain Mfrs. B36, 8 cord, 10 ball

N43-1	White
N43-3	Pink
N43-12	Red
N43-42	Dark red

J. & P. Coats' 8 Ply Plain—(Mfrs. A36, 8 cord, 8 ply, 45 yds. in ball

N35-1	White
N35-3	Pink
N35-12	Red
N35-42	Dark red

J. & P. Coats' 6 Ply Silk Finish—(Mfrs. A37, 6 cord, 6 ply, 40 yds. in ball

N43-1	White
N43-3	Pink
N43-12	Red
N43-42	Dark red

BOX 10 balls **25c**

BOX 10 balls **36c**

BOX 10 balls **50c**

INSTRUCTION AND PATTERN BOOKS

Coats'—Asstd. pattern books for crocheting and embroidering. Each book contains a variety of attractive designs. Mfrs. A...

Box 12 books **80c**

Clark's—Asstd. pattern books for crocheting and embroidering. Each book contains many attractive designs. Mfrs. B...

N8795—Asstd. 3 doz. in display cabinet. Doz. **80c**
(Total $5.40)

DEXTER COTTONS

"GOLD BAND" KNITTING COTTONS

(Mfrs. 200), 4 threads, long staple cotton, ¾ oz. balls. 20 balls in box.

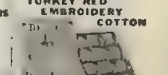
WHITE—

N35	4	BOX
N35	6	(20 balls)
N35	10	**$1.50**
N35	12	
N35	14	

Black

N35—	Size	BOX
N35-10—	10	(20 balls)
N35-12—	12	**$1.75**
N35-14	14	

TURKEY RED EMBROIDERY COTTON



Mfrs. 4001. 1 doz. spools in box

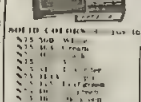
N32-10	10 spools
N32-12	12 spools **34c**
N32-14	14 spools

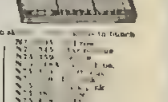
Assortment — (Mfrs. 410). N28—Asstd. ½ grs. spools in polished wood lidded cabinet. **$2.04**

COLLINGBOURNE'S

"ARTZILK" EMBROIDERY ROSE

A heavy lustrous artificial silk for embroidering purposes. Has a high degree of sheen and is fast to...





SOLID COLORS—

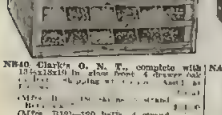
N75 569	White
N75	Ecru
N75	Pink
N75	Light blue
N75	Dark blue
N75	Light red
N75	Dark red
N75	Orange
N75	Yellow
N75	Light green
N75	Dark green
N75	Brown
N75	Tan
N75	Gray
N75	Black
N75	Peacock blue
N75	Light peacock green
N75 329	Coral
N75-444	Turquoise
N75 445	Lime

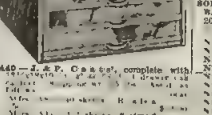
Doz. skeins, **37c**

CABINET ASST—4½ yds. in skeins, 15 doz. skeins best summer assortment, crochet book included.
N76—Asstd colors, 15 doz skeins in display cabinet (Total $5.55) Doz. skeins, **37c**

J. & P. Coats' And Clark's O. N. T. Embroidery Cabinet Assts,

Carefully-chosen assortments of best selling numbers of embroidery cotton. Asstd. colors





N840—Clark's O. N. T., complete with 18¼x18x19 in. oak cabinet 4 drawer Asst...
(Mfrs. B...) ... skeins, assorted colors
(Mfrs. B36)—120 balls, 4 strand. Retails at 5c ... 6.00
(Mfrs. B10)—120 skeins, pearl cotton. Retails at 5c ... 6.00
Total Retail $36.00
OUR COST CABINET **$25.00**
Your profit **$11.00**

N440—J. & P. Coats', complete with ... Mfrs. B...
Mfrs. B...
(Mfrs. B36)—120 balls, 4 strand. Retails at 5c ... 6.00
(Mfrs. A12) 45 balls 6 strand. Retails at 10c ... 4.50
(Mfrs. A10) 24 skeins, pearl cotton. Retails at 5c ... 4.20
Total Retail $30.20
YOUR COST CABINET **$25.00**
Your profit **$11.30**

CLARK'S & COATS'

CROCHET AND EMBROIDERY COTTONS

CROCHET COTTONS

Standard sizes for all kinds of crocheting, tatting and lace making

CLARK'S "O. N. T." Mercerized—(Mfrs. B4), 6 ply hard twist, excellent luster superior finish. 12 balls in box.

WHITE—	Size in ball	
N150 —	8	75 yds
N159-S —	5	100 "
N150-10 —	20	100 "
N159-15 —	15	150 "
N150-20 —	20	175 "
N150-25 —	25	175 "
N150-30 —	30	125 "
N150-40 —	40	125 "
N150-50 —	50	125 "
N150-60 —	60	125 "
N150-70 —	70	150 "
N150-80 —	80	150 "
N159-100—100		150 "

BOX (12 balls) **85c**

ECRU—	Size in ball	
N160 1	1	75 yds
N160-3	3	100 "
N160-5	5	100 "
N160-10	10	100 "
N160-15	15	100 "
N160-20	20	125 "
N160-25	25	150 "
N160-30	30	150 "
N160-40	40	150 "
N160-50	50	125 "
N160-60	60	125 "
N160-70	70	150 "
N160-80	80	150 "
N160-100—100		150 "

BOX (12 balls) **85c**

SIZE 30, SOLID COLORS—100 yds in ball.

N264-L Lt. blue
N264-3 —Pale pink
N264-22 Delft blue
N264-Y Yellow
N263-57 Mid-red.
N263-4 Pink
N263-18—American Beauty

BOX (12 balls) **85c**

SIZE 50, SOLID COLORS—125 yds. to ball.

N274-7 —Lt. blue.
N274-3 Lt. pink
N274-4 Pink
N274-22—Delft blue.
N274-8 Yellow
N274-57 Mid red
N274-18 American Beauty

BOX (12 balls) **85c**

ASSTD. 8 COLORS—Asstd. linen, pale blue, royal blue pale pink, pink, lavender yellow and medium red. In two equal proportions of balls in carton.

N276—(Mfrs. B4-L), also 3-100 yds. ball
Carton **$2.55**

N271—(Mfrs. B4-M), also 50, 125 yds. in ball.
Carton, **$2.55**

CLARK'S "O. N. T." J. & P. COATS' MERCERIZED (Mfrs. A4) 6 ply hard twist, excellent lustre superior finish, 10 balls in box

WHITE—	Size in ball	
N37-5	5	150 yds
N37-10	10	150 "
N37-15	15	150 "
N37-20	20	150 "
N37-25	25	150 "
N37-30	30	175 "
N37-40	40	175 "
N37-50	50	200 "
N37-60	60	200 "
N37-70	70	200 "
N37-80	80	200 "
N37-100	100	200 "

BOX 10 balls **99c**

ECRU—	Size in ball	
N42-3	3	75 yds
N42-5	5	150 "
N42-10	10	150 "
N42-15	15	150 "
N42-20	20	150 "
N42-25	25	150 "
N42-30	30	150 "
N42-40	40	175 "
N42-50	50	200 "

BOX 10 balls **99c**

SIZE 30, SOLID COLORS—150 yds. in ball

N103-7 —Lt. blue
N101-3 Lt. pink
N101-4 Pink
N101-22—Delft blue
N101-8 Yellow
N101-57 Mid-red
N101-60—Am. Beauty

BOX (10 balls) **99c**

SIZE 50, SOLID COLORS—175 yds. in ball.

N107-22—Delft blue.
N107-7 Lt. blue
N107-3 Lt. pink
N107-4 Pink
N107-8 Yellow
N107-57 Mid red
N107-60 Am. Beauty

BOX 12 balls **99c**

CLARK'S "O. N. T." Crocheting and Tatting—(Mfrs. B3), 6 ply soft finish superior finish. 12 balls in box.

WHITE—	Size in ball	
N3412-40	40	700 yds
N3412-50	50	700 "
N3412-80	80	700 "
N3412-70	70	700 "
N3412-80—80		700 "

BOX (12 balls) **90c**

CLARK'S "O. N. T." Luster 6 ply medium size, highly mercerized, for heavy fast color crochet. 12 balls or spools in box

SOLID BALLS	Mfrs B35
N163-1 White	
N163-2 Cream	
N163-12 Black	
N163-67—Lt. rose	
N163-4 Pink	
N163-46 Rose	
N163-8 Yellow	
N163-7 Lt. blue	
N163-9 —Blue	
N163-26 Nile green	
N163-48—Heather green	
N163-48—Pale olive green	
N163-5 Lt. Nile green	
N163-10 Lavender	
N163-18—White & yellow	
N163-15—White & pink	
N163-16—Shaded pink	
N163-17—White & blue	

BOX (12 balls) **36c**

Asstd. colors Mfrs. B35 3 each of 4 dz. balls in carton.
CARTON (36 balls) **$1.08**

100 YD SPOOLS—(Mfrs. B5)

N83-3	Lt. pink
N83-4	Pink
N83-7	Lt. blue
N83-22	Delft blue
N83-25	Marine blue
N83-35	Navy blue
N83-48	Dk. heather green
N83-47	Pale olive green
N83-26	Nile green
N83-5	Lt. green
N83-6	Dk. green
N83-10	Lavender
N83-18	White & yellow
N83-16	Shaded pink
N83-17	White & blue
N83-57	Mid red
N83-60	Am. Beauty
N83-8	Yellow
N83-9	Orange
N83-12	Black
N83-67	Shaded rose
N83-61	Dk. rose
N83-62	Rose
N83-63	Lt. rose
N83-64	Coral
N83-65	Dk. coral
N83-66	Shaded coral
N83-50	Lt. old rose
N83-51	Old rose
N83-52	Dk. old rose
N83-53	Shaded old rose
N83-54	Lt. mauve
N83-55	Mauve
N83-56	Dk. mauve
N83-58	Shaded mauve
N83-59	Lt. orchid
N83-30	Orchid
N83-31	Dk. orchid
N83-32	Shaded orchid
N83-33	Lt. lavender
N83-34	Lavender
N83-36	Dk. lavender
N83-18	Shaded yellows
N83-15	Shaded pinks
N83-17	White & yellows
N83-21	White & moss grn
N83-23	White, rose & grn
N83-13	White & blue
N83-28	White & lilac
N83-29	Purple

Lt. A. 1 spools **55c**

N3544 — Asstd. colors (Mfrs. B5D), 3 spools each of 8 colors, 40 41 43 49, 52, 57, 60, 63, 65. 50 spools in carton.
CARTON (39 spools) **$1.65**

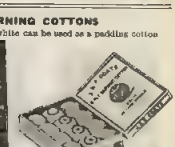
SOLID COLORS. LARGE BALLS—(Mfrs 20) Size 6, 6 ply, 50 yds. in ball. 10 balls in box.

N109-12	Black
N109-2	Cream
N109-4	Pink
N109-22	Delft blue
N109-48	Dk. yellow
N109-104	Med. apple grn.
N109-51	White
N109-38	Dk. orange.
N109-55	Navy blue.
N109-61	Ecru
N109-65	Heavily pink.
N109-8	Blue
N109-57	Medium red.
N109-46	Rose
N109-63	Lilac
N109-66	Linen.

BOX (10 balls) **$1.70**

DARNING COTTONS

Standard quality—white can be used as a padding cotton



Clark's "O. N. T." 6 ply Plain—(Mfrs. D50), 3 end, 6 ply, 50 yds. in ball 10 balls in box.

N40 1	Black	Doz.
N40 3	White	25c
N40 33	Cardovan	
N40-42	Steel gray	

Clark's "O. N. T." 8 Ply Plain Mfrs D6), 4 end 8 ply 45 yds. on spool 10 spools in box.

N37 1	Black	Doz.
N37 3	White	36c
N37-26	Tan	
N37 11	Cardovan	

J. & P. Coats' 8 Ply Plain—(Mfrs. A6) 4 end, 8 ply, 45 yds on spool 1 doz. spools in box

N38-1	Black	Doz.
N38-2	White	36c
N38-15	Cardovan	

J. & P. Coats' 8 Ply Soft Finish—(Mfrs. A7) 8 end for mending Rain and Mills. 45 yds. in ball. 1 doz. balls in box

N83-1	Black	Doz.
N83-2	White	50c
N83-27	Tan	
N83-17	Cardovan	

INSTRUCTION AND PATTERN BOOKS

Coats'—Assorted pattern books for crocheting and embroidery containing the latest and best selling issues

N8298 Assrd 3 doz. in display cabinet.
Doz **80c**
(Total $2.40)

Clark's — Assrtd pattern books, for crocheting and embroidery, contains only the latest and best selling issues

N8299 Assrd 3 doz. in display cabinet.
Doz **80c**
(Total $2.40

DEXTER COTTONS

"GOLD BAND" KNITTING COTTONS

(Mfrs 200), 4 thread, long staple cotton. ¼ oz. balls 20 balls in box.

WHITE—	Size	
N33- 1	4	
N33- 8	8	BOX
N33- 10	10	(20 balls)
N33-12	12	$1.50
N33-14	14	

BLACK

N35-	size 8	BOX
N35-10	10	(20 balls)
N35-12	12	$1.75
N35-14	14	

TURKEY RED EMBROIDERY COTTON

Turkey red, fast color, 90 yds. on spool.

Solid Sizes—(Mfrs. 400)	1 doz. spools in box.	
N32-8 —Size 8		
N32-10 —	10	Doz
N32-12 —	12	spools
N32-14 —	14	34c
N32-16	16	

Assortment (Mfrs. 410) N32-A — 3 doz. spools in polished wood hinged cabinet.
Cabinet, **$2.04**

COLLINGBOURNE'S

"ARTZILK" EMBROIDERY ROPE

A heavy lustrous artificial silk for all embroidery purposes. Fiber silk, medium lofty twist, high luster, smooth finish, easy to work with.

SOLID COLORS 4½ yds. in skein. 1 doz. skeins in bunch

N75-300	White	N75-495	Red rose
N75-301	Cream	N75-745	Star scarlet
N75-307	Dark	N75-326	Scarlet
N75-107	Violet	N75-348A	Navy blue
N75-134	Pale blue	N75-330	Bright blue
N75-328	Purple	N75-450	Lt. pink
N75-215	Marl rose	N75-357	Rose
N75-405	Lt. green	N75-382	Carmine
N75-168	Dk. green	N75-434	Pink
N75-145	Sea wt	N75-381	Hot Cerise.
N75-280	Med. green	N75-390	Peacock
N75-139	Scarlet	N75-389	Copen
N75-331	Cardinal	N75-375	Peacock blue
N75-337	Claret	N75-426	Med. peacock
N75-341	Lt. blue		green
N75-343	Blue	N75-378	Gray.
N75-388	American Beauty	N75-444	Tomato

Doz. skeins. **37c** Doz. skeins, **37c**

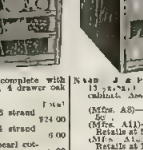
CABINET ASST—4½ yds. in skein. 15 doz. skeins best summer shades, crochet book included
N76—Assrtd colors. 15 doz. skeins in display cabinet.
(Total $5.85) Doz. skeins. **37c**

J. & P. Coats' And Clark's O. N. T. Embroidery Cabinet Assts.

Carefully chosen assortments of best selling numbers of embroidery cotton Assrtd. colors

N849 Clark's O. N. T., complete with 13⅝x21x8½ in glass front, 4 drawer oak cabinet. Assrtd as follows

	Total
(Mfrs. B15)—480 skeins, 6 strand Retails at 5c	$24 00
(Mfrs. B15)—120 balls, 4 strand Retails at 5c	6 00
(Mfrs. B15)—120 skeins, pearl cotton Retails at 5c	6 00
Total Retail, $36 00	
YOUR COST, CABINET,	**$25.00**
Your profit,	**$11.00**



N849 J. & P. Coats complete with 13⅝x21x8½ in glass front, 4 drawer oak cabinet. Assrtd as follows

	Total
(Mfrs. A8)—240 skeins. Retails at 5c	$12.00
(Mfrs. A11)—312 skeins, 6 strand Retails at 5c	15.60
(Mfrs. A11)—4 balls, 6 strand Retails at 10c	4 50
(Mfrs. A15) 24 skeins, pearl cotton Retails at 15c	4 20
Total Retail $36.30	
YOUR COST, CABINET,	**$25.00**
Your profit,	**$11.30**

SEVENTH ANNUAL BLUE RIBBON SALE

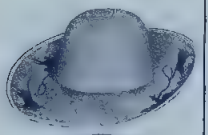
MEN'S PEANUT STRAW HARVEST HAT

An up-to-date shape at a price below market cost.

5A8858—Peanut straw 2 cell ridged crown, 4½ in. flat set brim 9 in. lined black woven band, tan cloth binding, black eyelet in each side. Assid sizes 6⅝ to 7⅝. 1 doz in pkg. Doz **$1.50**

BOYS' OR GIRLS' PEANUT STRAW HAT

A winner in boys' or girls' sport hats. One of the greatest values on the market.



5A5824—Boys' or girls' imported peanut straw with 2 color design pinked on brim, assid butterfly, cowboy bicycle and star designs, grass cloth binding. 1 doz in pkg. Doz **$1.75**
6 doz lots. **1.60**

"Jackie Coogan" Caps

Every boy knows Jackie Coogan and every one of them wants a famous "Jackie Coogan" cap. One of the greatest advertisers you can put in your store

Golf shape, for boys 4 to 11 yrs. high grade woolens. 1 pc crown fine grade twill. Junior leather forehead sweat. Flexible visor snap to run front. "Jackie Coogan" dot in each cap. Assid sizes 6⅝ to 7. Display cards included with each order 1 doz in box.
5A6258—Assid tweeds.
5A6251—Assid soft finish woolens. Doz. **$11.50**

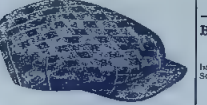
MEN'S LIGHT WEIGHT CLOTH HAT

Tourist shape. Good for motoring, golfing and all outdoor sports. Flexible brim. Can be rolled and packed into bag.

5A1598—Up-to-date Summer cloths assid sand gray and black & white fine checks 6-4 taped round crown soft band stitch of flexible braid, cloth sweat. Assid sizes 6⅝ to 7⅞. Assid 1 doz. in box. Doz **$4.25**

MEN'S ALL WOOL TWEED MIXTURE CAP

One of the greatest cap purchases we have made in some time. Worth $15.00 to $18.00 doz. Don't pass this one by.



5A3575—9 patterns, handsome all wool gray tweed mixtures colored nubs, full 1 piece crown 7½ in. grass gold color full lining leather forehead sweat, soft canvas interlined visor, satin button front. Assid sizes 6⅝ to 7⅞. ½ doz in box. Doz **$8.40**

GENUINE COWHIDE BRIEF CASE

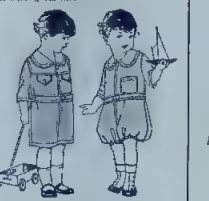
Priced exceptionally low. Genuine cowhide at the price of imitations.

5A186 Consists of size 11x16 inches, rich brown 3 to 3½ oz. cowhide, full grained heavy corrugated leather straps and double riveted locks and pockets, extraordinarily well made and handsomely finished. 1 in box. Each **$3.75**

BIG BARGAIN IN CHAMBRAY ROMPERS

Asstd. Styles

For Spring bargain selling. Full cut sizes, well made garments.



1A6890—2 styles, chambray, assid BLUE, BROWN and GREEN straight pants style, button front, white piped cuffs, belt and elon collar elastic sheaver bottom, white piped breast pocket, cuffs, belt and elon collar button back. Assid colors, styles and sizes 2 to 6 yrs. 1 doz in pkg. Doz **$4.50**

BOYS' "LAWRENCE" KHAKI HIKING PANTS

Laced bottom pants for summer wear have grown tremendously popular. The "Boy Scout" movement has also helped their sales

"Lawrence" Khaki 36 oz. 20 wt. finely made throughout 4 pockets 6 belt loops, matched trimmings, bar tacked pockets and slit loops, laced bottoms. Sold sizes or your asst. SPECIFY SIZES. Sold in any quantity.
1A6010—Sizes 6 to 14. Doz **$15.00**
1A6011—Sizes 13 to 18. Doz **18.00**

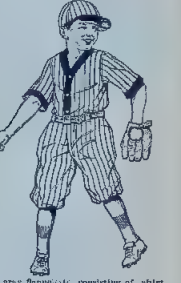
"MILL END" ASSORTMENT OF WASHABLE KNEE PANTS

Just the thing for your hot weather sales. Wash fabrics in well made knickers.

1A6250—"Mill End" Asst. each bundle contains 4 to 6 patterns of high grade summer wash fabrics including heavy repp khaki imitation Palm Beaches and fine summer suitings. 4 belt loops 4 pockets, watch pocket on size 12 and up, strong waistband and pocketings. Assid sizes 8 to 16. 1 doz. in bdl. Doz **$8.50**

BOYS' BASEBALL SUITS

Ideal suits for summer wear. Nearly every American boy has a desire to possess a uniform patterned after those worn by his hero in the "BIG LEAGUE." Just show them in your store and their sale is assured.



Striped gray flannelette consisting of shirt, V neck, colored trim front and sleeves, pants, 6 ind loops, hip pocket, elastic bottoms, cap to match, leather belt. Sizes 6, 8, 10, 12 and 14. SPECIFY SIZES. 1 suit in box. Doz
1A8998—RED trim
1A8999—NAVY BLUE trim } **$21.00**

MEN'S NAVY ALL WOOL SERGE DRESS TROUSERS

Well made, correctly proportioned, trimmings, workmanship and tailoring of exceptional quality.

1A2430—All wool worsted serge, NAVY BLUE fast color, fine grade trimmings 5 pockets, belt loops, cuff bottoms. Sizes 29 to 42 in waist, 29 to 34 in inseam. SPECIFY SIZES BY **$3.25**

Florida's Largest Evening Newspaper

and

GROWING

—Surely
—Conservatively
—On its merits

It is easy for a newspaper to gain in circulation—if the methods adopted in getting the increase are not to be questioned.

But to show a continuous growth, day by day, when every copy is paid for and is sold on its merits as a newspaper—then you have reason for interest in such a newspaper's development.

The Jacksonville Journal

ESTABLISHED 1887

is gaining circulation daily—on the right basis. There are no contests; no artificial stimulation. Yet each day we are adding new subscribers and keeping our old ones at a rate that should make our year's increase total 40%.

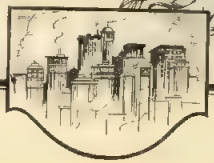
Here, indeed, is a good buy in newspaper space. An influential medium that deserves the title, "The People's Favorite Newspaper."

JACKSONVILLE JOURNAL

E. Katz Special Advertising Agency, Representative

Perry-Lloyd Jones, Publishers

Minneapolis Daily News
Minneapolis, Minn.
Tulsa Tribune
Tulsa, Okla.
Jacksonville Journal
Jacksonville, Fla.
Reading News-Times
Reading, Pa.
Peoria Evening Journal
Peoria, Ill.
Charleston American
Charleston, S. C.



In working up a list of farm papers, however, it is very often the case that he has no basis in his own experience for estimating confidently the appeal to farmers of the periodicals that are published solely for rural distribution.

It is necessary, therefore, for the advertiser and the agency man, confronted with the responsibility in choosing between National farm papers, to depend in a larger measure upon the semi-annual Publishers' Statements than is required in forming a correct judgment of any other group.

Realizing that it takes a great deal of time to ferret out the salient facts from the Publishers' Statements themselves, *Farm and Home* has charted these statements and has added a few maps showing average farm incomes, value of farm property, etc., by states.

This collection of blueprints and maps will be valuable to any advertiser or agency man. You may have a copy for the asking.

FARM AND HOME

The National Magazine of Rural Life

DAVID R. OSBORNE, Advertising Manager

PHELPS PUBLISHING CO., Publishers

WILLIAM A. WHITNEY, Advertising Counselor

SPRINGFIELD, MASS.

5 South Wabash Avenue, Chicago
J. Lewis Draper
Western Manager

456 Fourth Avenue, New York
J. W. Hastie
New York Manager

Incense Burners and Candle Sticks

Illustrations Reduced. Prices Each

These Incense Burners are in great demand. Merchants should carry them in stock. They sell on sight.

5+7184 Incense Burner, Japanese Bronze Finish, Removable Base. Height 3 inches, diameter of base 3¼ inches.
Each **$1.95**

5+7185 Incense Burner, Japanese Bronze Finish, Removable Top. Size 2¾x1¾x3¾ inches high.
Each **$1.95**

5+7186 Incense Burner, Japanese Bronze Finish Removable Cupola. Size 7x1¾x5¼ inches high.
Each **$3.20**

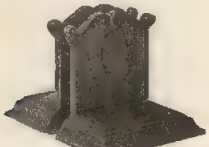
5+6186¼ Come Incense. Beautiful aroma. 12 cones in box. Per Box.....**.32**

5+7187 Candle Stick. White Metal Base Polychrome Finish, a blending of deep rich colors over antique gold. Height 8 inches; width 4¾ inches.
Each **$5.55**

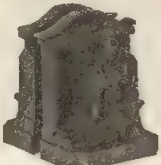
5+7188 Candle Stick. White Metal Base Polychrome Finish, a blending of deep rich colors over antique gold. Height 9½ inches, width 4¾ inches.
Each **$8.10**

5+7189 Candle Stick. White Metal Base, Polychrome Finish a blending of deep rich colors over antique gold. Height 8 inches, width 3 inches.
Each **$6.40**

5+7190 Candle Stick. White Metal Base, Polychrome Finish a blending of deep rich colors over antique gold. Height 6⅜ inches width 4½ in hes.
Each **$7.95**



5+7191 Book Ends, made of White Metal. A conservative ornamental Book End with beautiful conventionalized floral design. Polychrome Finish, a blending of deep rich colors over antique gold. Height 5⅝ inches; width 6 inches; depth 4 inches.
Per Pair.....**$14.30**



5+7192 Book Ends, made of White Metal. Unquestionably the finest Book End made. The Monk in the attitude of the thinker sits before the book shelf with book in hand. Artistically executed in harmonious Polychrome finish over antique gold. Height 6½ inches, width 5 inches; depth 3 inches.
Per Pair.....**$15.90**

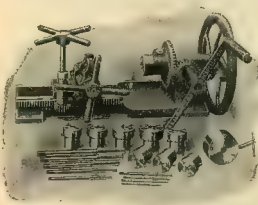
THE ABOVE PRICES ARE SUBJECT TO THE REGULAR DISCOUNT.

IF ANY ARTICLE PROVES UNSATISFACTORY, RETURN AT ONCE. WE WILL EXCHANGE OR REFUND MONEY.

"THE HOUSE OF QUALITY, SERVICE AND SATISFACTION"

THREADING MACHINES

No. 11 AND No. 12 JARDINE



"V" Oversize or U.S. Standard Thread

This is a machine of up-to-date design. The self-centering Vise is strong, the Rack and Pinion Wheel are convenient to the left hand of the operator, as well as being quicker and surer in operation than the old ratchet rack and pawl. There is a large Drip Pan widened to catch the drip from the Die. The Spindle is well fitted in a Bearing of ample length. Gearing is two to one.

Collets are held in the Spindle by a Key instead of the old style split clamp. The Key makes a Positive Drive and avoids the risk of breakage, to which the clamp is so liable.

No. 11—Cuts ¼, 5/16, ⅜, 7/16, ½, ⅝, ¾ inch.

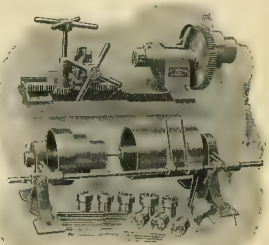
No. 12—Cuts ¼, 5/16, ⅜, 7/16, ½, ⅝, ¾, 7/8, 1 in.

Prices Complete with Taps, Dies, Collets and Tap Chuck

Shipping Weight 235 lbs.

No. 11A—With Solid Dies	$250 00
No. 11B—With Speed or Lightning Dies	270 00
No. 11C—With Opening Die Head and Dies	384 00
No. 12A—With Solid Dies	276 00
No. 12B—With Speed or Lightning Dies	310 00
No. 12C—With Opening Die Head and Dies	420 00

No. 22 JARDINE



Cuts up to and including 1-inch Bolt "V" Oversize or U.S. Standard Thread

The Spindle or Arbor runs in a long bearing and carries a large Cut Gear on the end. This Gear is driven by a Pinion and Three-Speed Cone Pulley, giving three changes of speed with ample power.

The Chuck is bored 2-3/16 inch diameter for Shank of Tap Chuck, Self-Opening Die or Collets for Solid or Adjustable Dies. This Chuck or Socket, is tightened by a Taper Key, making a positive drive, and avoiding all risk of breakage.

The Bed of the machine has a wide drip pan and carries a Self-Centering Vise, fitted to Milled Slides and opened or closed by a Right and Left Screw on the end of which is a four-arm Capstan. The Vise is moved endwise on the Bed by Rack and Pinion, the teeth of the Rack being upright, so that chips or dirt cannot lodge.

Can be furnished mounted on Stout Iron Legs at an extra charge.

Cuts ¼, 5/16, ⅜, 7/16, ½, ⅝, ¾, 7/8, 1-in.

Net Weight 360 lbs. Crated Weight 440 lbs.

No. 22A—With Solid Dies	$384.00
No. 22B—With Speed or Lightning Dies	426 00
No. 22C—With Opening Die Head and Dies	534 00
The Above Prices Include the Countershaft	
Extra for High Four Leg Iron Stand	$50 00
Extra for Crank and Gearing for Hand Operation	50 00

JARDINE OPENING DIE HEAD

Used with Nos. 11, 12 and 22 Threading Machines

This Die Head, while low priced, will do any work within its range as quickly and as well as the most expensive Threading machine. It is supplied with Jardine Threading Machines, if so ordered, or sold separately and attached to any Bolt Threader.

The Dies are held in position by Two Screws and are easily and quickly changed.

The Die is opened while the machine is running by pushing the Lever backward and closed to working position by drawing it forward.

Price of Die Head, without Dies $102.00

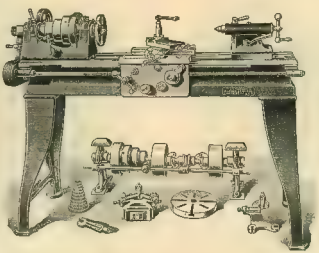
Price of Die Head, with 9 Dies ¼, 5/16, ⅜, 7/16, ½, ⅝, ¾, ⅞, 1 in. 198.00

Price of Dies only

Size, Inches	¼	5/16	⅜	7/16	½	⅝	¾	⅞	1
Each	$9.00	9.00	9.00	9.00	11.00	11.00	11.00	13.50	13.50

LATHES

LANCASTER 13-Inch ENGINE LATHE



Fitted with Four-Step Cone Pulley, Back Gears, Positive Geared Feed Automatic Longitudinal and Power Cross Feed. Compound Rest and Chasing Dial

DETAILED DIMENSIONS

Swing over Shear	13½-in.
Swing over Compound Rest	8¾-in.
Swing over Carriage	9-in.
Distance between Center—5-ft. Bed	30-in.
Front Spindle Bearing	1¾x3¼-in.
Rear Spindle Bearing	1¼x2⅝-in.
Hole through Spindle	¾-in.
Spindle Nose	Dia. 1⅝-in. 10 U.S.S. Threads
Tail Spindle	Dia. 1⅝-in. 5-in Traverse
Taper of Centers	No. 3 Morse
Threads per inch	4-80
Cone Pulley diameters on lathe	7-5¾-4½-3¼-in.
Width of Belt	2-in.
Ratio of Back Gearing	8½ to 1
Spindle Speeds	16
Compound Rest Travel	4-in.
Length of Carriage Bearing on Shears	15-in.
Cone Pulley diameters on Countershaft	8¾-7-5¾-4½-in.
Countershaft Driving Pulley	8x3¾-in.
Countershaft Speed	150 R.P.M.
Lathe bed made in any length.	
Size of tools	½x1⅛-in.
Weight Five-Foot Bed	1,100 lbs.

The Lancaster 13-inch Engine Lathe is Powerful, Accurate and Durable.

Cuts Standard Threads from 4 to 40, Right or Left, including 11½-in. Pipe Thread. Equipped with Plain or Compound Rest, Follower and Steady Rests, Change Gears, Large and Small Face Plates, Double Friction Countershaft and Wrenches. All Gears Guarded and all Parts interchangeable.

The Bed is rigid with frequent Cross Ribs and Head Stock has bearing of 15¾-inches on Bed.

Spindle is 60 Carbon Crucible Steel with a ¾-in. Hole through entire length and is Bored for No. 3 Morse Taper.

The Crucible Steel Tail Stock is Offset to allow the Compound Rest to swing parallel to the Bed.

Bearings are high grade Phosphor Bronze, carefully scraped to fit the Spindle.

The Carriage and Apron are strong, with deep bridges cast in one piece.

The Apron is equipped with Safety Device, which prevents throwing in half nuts when either feed is connected, thus preventing breakage.

The Rack is steel and cut from solid bar and the Compound Rest is gratuated in degrees.

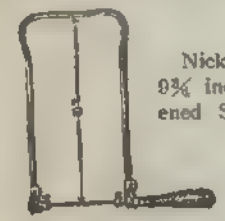
PRICES

Size	Each	Size	Each
13-in. Engine Lathe, 5-ft. Bed—Weight 1,100 lbs.	$1,460.00	13-in. Engine Lathe, 8-ft. Bed—Weight 1,350 lbs.	$1,790.00
13-in. Engine Lathe, 6-ft. Bed—Weight 1,200 lbs.	1,570.00	16-in. Engine Lathe, 10-ft. Bed—Weight 1,650 lbs.	2.250.00

SCROLL OR FRET SAWS

JONES CABLE

This Saw is constructed with a Tubular Back, through which Runs a Cable Connecting Both Ends of Saw Frame, which Causes the Blade to Turn any Angle by Turning the Handle Only, without removing it from the work.



Nickel Plated Hollow Steel Frame; Depth of Cut 9¾ inches; Hardwood Handle 3¾ inches Long; Hardened Steel Blade Holders; Complete with One Blade.

Per Dozen

No. 7C—5-inch Blade; Weight per Dozen 9¾ lbs..... $27.00
Sixth Dozen in a Box

MILLERS FALLS BRACKET SET

Rough Nickeled with Japanned Handle; Patent Clamps for Holding the Blades, Three Sheets of Designs, embracing a variety of Fancy and Useful Articles; Twelve Saw Blades, One Awl, One Sheet of Impression Paper.

Per Dozen

No. 1B—Frame 5x12 inches; Weight each 14 ozs.....$17 50
One in a Box

SCROLL OR FRET SAW MACHINES

MILLERS FALLS

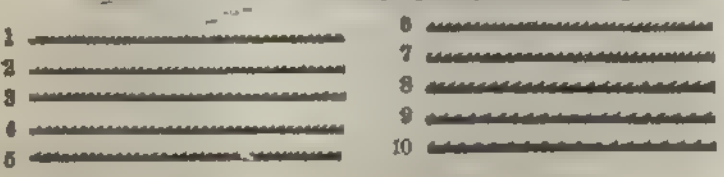
STAR

A well balanced, steady machine; Iron castings Japanned Black and Ornamented with Red Stripes; Steel Arbors. Heavy Drive Wheel, giving power. Arms Hung in the Middle of their Supporting Casting to give free and easy motion; Adjustable, so may be kept parallel. Two Balance Wheels, one each of Iron and Emery, adding steadiness to the motion. Adjustable Clamps for the Emery Wheel. Capable of embracing other sizes of emery and buffing wheels, grindstones, etc. Nickeled Tilting Saw Table. Automatic Dust Blower. Lever Saw Clamps and Adjustable Saw Guide.

Each

No. 110—Depth of Arms 20½ inches; Height Over all 37 inches; Net Weight 41 lbs.....$33 60
One in a Box, Knocked down; Weight 60 lbs.

SCROLL OR FRET SAW BLADES



For Either Hand or Machine Saws; Length 5 inches.

Nos.	1 to 3	4 to 6	7
Weight Gross, ozs.	2	2	2
Per Gross	$3.00	3.15	3.30
Nos.	8	9	10
Weight Gross, ozs.	2½	2½	3
Per Gross	$3 30	3.30	3.30

One Dozen Each Size in a Bundle; One Gross in a Box

HACK SAW FRAMES

★ DIAMOND EDGE

BACK SAW STYLE HANDLE EXTENSION FRAME

Note—The Frame of these Saws are Positive Locking; absolutely no chance of Loosening while in use. Easily and quickly released when desired.

Extra Stiff Nickel Plated Steel Frame, 3-16x⅝ in.; Varnished Applewood Handle fastened with Nickel Plated Saw Screws; Saws can be Set to cut in any direction at any Angle; Depth from inside of Back to Cutting Edge 3½ inches.

Heavy, Rigid and Strong—The Floating Rivet Makes adjustment Quick and Easy.

The Handle end of Frame engages with the Floating Rivet by means of Notches on the under side.

When the Blade is tightened up the Floating Rivet slides up the inclined Plane formed by the angular slot in the Tube. The Handle End thus has a bearing throughout its entire length against the Tube forming the back, making it extra strong and rigid and prevents Buckling.

This construction is not to be found in any other Frame on the market and will appeal to the mechanic as one of the most practical improvements made in the construction of Hack Saw Frames.

Adjustable Handle

The Handle on this Saw may be adjusted to different positions to suit conditions of ordinary overhead or work in low down or Cramped positions. Tension is controlled by a Wing Nut at front end of Frame.

Per Dozen

No. DE77—Without Blade; adjustable to take Blades 8 to 12 inches; Weight each 1½ lbs.; Weight per Dozen 18 lbs..... ...$15.50
One in a Box

Solid Handle

The Handle on this Saw is Securely Fastened to the Frame with Two Saw Screws. It is made exceptionally Strong and Rigid, has a comfortable Grip and is recommended for Heavy work. Tension is controlled by a Knurled Nut at Rear end of Frame

Per Dozen

No. DE88—Without Blade; Adjustable to take Blades 8 to 12 inches; Weight each, 1½ lbs.; Weight per Dozen 18½ lbs.....$15.50
One in a Box

EXTENSION FRAME

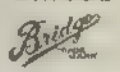
Nickel Plated and Polished Steel Frame, ⅝x¼ inch; Polished Cocobolo Handle; Blade can be Set to Cut at any Angle; Depth from Inside of Back to Cutting Edge 2⅝ inches.

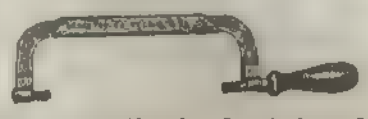
When Blade is Tightened up, the Floating Rivet Slides up the inclined Plane formed by the Angular Slot in the Tube; The Handle thus has a Bearing throughout its entire length against the Tube forming the Back, making it extra Strong and Rigid.

Per Dozen

No. DE65—Without Blade; Adjustable to take 8 to 12 inch Blade; Weight per Dozen 12 lbs.....$26.00
One in a Box

★BRIDGE





EXTENSION FRAME

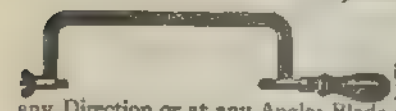
Nickel Plated and Polished Steel Frame ⅝x⅜ inch; Positive Lock Adjustment; Polished Ebonized Hardwood Handle; Depth from Inside of Back to Cutting Edge 2¾ inches; Blade can be Set to Cut at any Angle, by turning Handle.

Per Dozen

No. B10—Without Blade; Adjustable for Blades 8 to 12 inches; Weight each, 1 lb.; Weight per Dozen, 12 lbs.....$20 00
One in a Box

HACK SAW FRAMES

*BRIDGE



SOLID FRAME

Polished Steel Frame; 3-16x9-16 inch Back; Ebonized Hardwood Handle; Saw can be Set to cut in any Direction or at any Angle; Blade and Tension controlled by Thumb Nut; Depth from Inside of Back to Cutting Edge of Blade 2⅛ inches

Per Dozen

No. B8—Without Blade; For 8 inch Blades only, Weight per Dozen 8 lbs..... $12 50

Half Dozen in a Box

PILOT

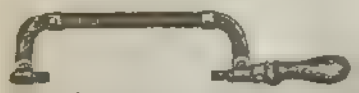
Pistol Grip

Adjustable to take Blades from 8 to 12 inches; Blades can be Set to cut in four Directions by Loosening Thumb Nut and Turning Screw Stud; Nickel Plated and Polished Steel Frame 3/16x11-16 inch. Black Composition Pistol Grip Shaped so as to give a Comfortable grip and insure Perfect Control; Depth from Inside of Back to Cutting edge 3⅛ inches; Weight each 1⅜ lbs. Weight per dozen 27 lbs.

Per Dozen

No. 27—Without Blade, ... $32.00

One in a Box



STAR EXTENSION

Adjustable to Take Blades 8 to 12 inches; Blade Can be Set to Cut at Any Angle; Tension and Position of Blade Controlled by Turning Handle and Threaded Nut; Nickel Plated Two-piece Frame, Size of Back 3-16x11-16 inch, with Back Sliding Through Two Steel Bands and Locked by Set Screw; Polished Cocobolo Handle; Depth from Inside of Back to Cutting Edge 2⅛ inches.

Per Dozen

No. M10—Without Blade; Weight per Dozen 15 lbs.....$36.35

Half Dozen in a Box

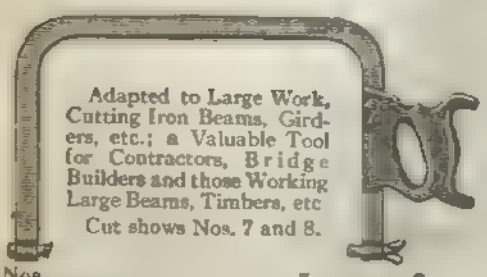
UNION EXTENSION

Without Blade; Adjustable, for Blades 8 to 12 inches; Nickel Plated and Polished Steel Frame Adjustment; Polished Ebonized Hardwood Handle; Depth from Inside of Back to Cutting Edge 2¾ inches, Blade can be Set to Cut at any Angle by Loosening Thumb Screw and turning Handle.

Per Dozen

No. 50—Weight per Dozen 12 lbs......$9.00

Twelve in a Box



Adapted to Large Work, Cutting Iron Beams, Girders, etc.; a Valuable Tool for Contractors, Bridge Builders and those Working Large Beams, Timbers, etc

Cut shows Nos. 7 and 8.

DISSTON Without Blade

Nickel Plated Steel Frame 1x¾ inch; Solid Sockets, Beechwood Saw Handle, Varnished Edges; Three Rivets; Depth of Frame 10¼ inches; Take ¾ inch Blade Shown on Page 144.

Nos.	7	8	9	10
For Blades, Len., in.	12	14	16	18
Weight each, lbs.	3⅝	3⅞	4½	5
Wt. per Doz., lbs.	43½	46½	54	60
Per Dozen	$37.80	40 00	48 80	50.00

Note—Nos. 9 and 10 are made with a Handle at each End

Twelfth Dozen in a Box

HAND HACK SAW BLADES

* DIAMOND EDGE

Hot Rolled Steel, Tempered Hard, Natural Finish, Set and Sharpened Milled Teeth.

No. DER—18 Teeth to an Inch; ½ inch Wide

For General Use

Length, inches	8	9	10	12	14
Weight Doz., ozs.	6	7	8	10	11
Per Gross	$8 00	9.00	10.00	12 00	16.10
	10.20	11.40	12.70	15.20	20.40

No. DEF—24 Teeth to an Inch; ½ inch Wide

For Fine Woodwork and for Sawing Tubing, Metals, etc.

Length, inches	8	9	10	12
Weight Dozen, ozs.	6	7	8	10
Per Gross	$8.00	9.00	10.00	12 00
	10.20	11.40	12.70	15 20

FLEXIBLE BACK

HighGrade Steel Hardened and Tempered on Cutting Edge only; Soft Back; Natural Finish; Set and Sharpened; Milled Teeth; For General Use.

No. DEX—18 Teeth to an Inch; ½ Inch Wide

Length, inches	8	9	10	12
Weight Dozen, ozs.	6	7	8	10
Per Gross	$8.00	9.00	10.00	12 00
	10.20	11.40	12.70	15.20

*BRIDGE

Extra Quality Steel; Tempered Hard and Tough; Natural Finish, The Teeth are Set and Sharpened; For General Use.

No. BR—14 Teeth to an Inch, ½ inch Wide

Length, inches	8	9	10	12
Wt per Gross, lbs.	4½	4¾	5¼	6½
Per Gross	$8 00	9.00	10.00	13.00
	9.20	10.30	11.40	13 70

MILLERS FALLS

High Grade Tungsten Steel, Tempered; Natural Finish; For General All-Around Work.

ALL HARD

14 Teeth to Inch; 23-Gauge

Nos.	1	2	3	5
Length, inches	8	9	10	12
Width, inches	⅛	⅛	½	⅝
Weight per Gross, lbs.	4	5	8	11½
Per Gross	$ 8 00	9 00	10 00	12 00
	9 60	10 80	12 00	14 35

18 Teeth to Inch; 23-Gauge

Nos.	11	12	13	15
Length, inches	8	9	10	12
Width, inches	⅛	⅛	½	⅝
Weight per Gross, lbs.	4	5	8	11½
Per Gross	$ 8.00	9 00	10 00	12 00
	9 60	10 80	12.00	14.35

24 Teeth to Inch; 23-Gauge

Nos.	21	22	23	25
Length, inches	8	9	10	12
Width, inches	⅛	⅛	½	⅝
Weight per Gross, lbs.	4	5	8	11½
Per Gross	$ 8 00	9 00	10 00	12.00
	9 60	10.80	12 00	14 35

FLEXIBLE BACK

18 Teeth to Inch; 23 Gauge

Nos.	51	52	53	55
Length, inches	8	9	10	12
Width, inches	⅛	⅛	½	⅝
Weight per Gross, lbs.	4	5	8	11½
Per Gross	$ 8 00	9 00	10 00	12 00
	9 60	10 80	12 00	14 35

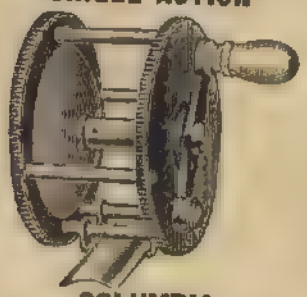
24 Teeth to Inch; 23-Gauge

Nos.	61	62	63	65
Length, inches	8	9	10	12
Width, inches	⅛	⅛	½	⅝
Weight per Gross, lbs.	4	5	8	11½
Per Gross	$ 8 00	9 00	10 00	12 00
	9 60	10 80	12.00	14 35

Half Gross in a Box

FISHING REELS

SINGLE ACTION



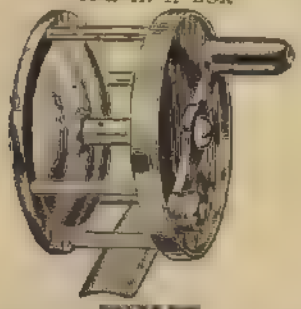
COLUMBIA

Single action, adjustable click, nickel plated, rubber plates

White celluloid handle, oil cup over pivot.

Nos.	5060	5080
Capacity, yds.	60	80
Pillar, in.	1	1
Diam., in.	2¼	2½
W't, oz.	3¼	3¾
Each	$2 60	2.70

ONE IN A BOX



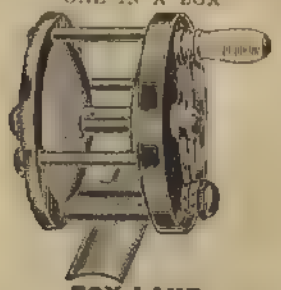
[illegible]

Bronzed metal finish, single action, adjustable click, rubber plates, with handle revolving within metal protecting rim.

White celluloid handle, fancy oil cup over back pivot.

No. 3360—Capacity 60 yards, pillar 1 in. diam. 2¼ in., w't 4¼ ozs. each $3.30

ONE IN A BOX



FOX LAKE

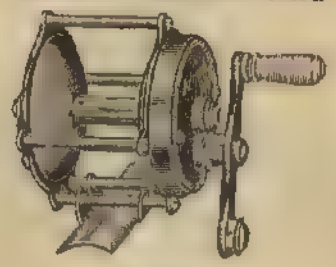
Single action, adjustable click, rubber plates, with handle revolving within metal protecting rim.

White celluloid handle, fancy oil cup over back pivot.

Nos.	4260	4280
Capacity, yds.	60	80
Pillar, in.	1	1
Diameter, in.	2¼	2½
W't, each, ozs.	5¼	5½
Each	$3.30	3.50

ONE IN A BOX

DOUBLE MULTIPLYING



ARROW

Double multiplying, adjustable click and drag, fancy knurling on cap and plate.

White celluloid handle, oil cups over pivot bearings.

WITHOUT JEWELED OIL CUPS

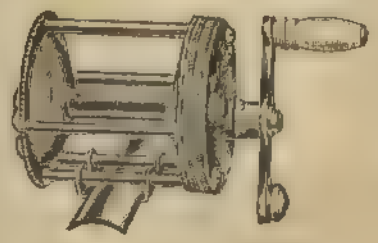
Nos.	5840	5860	5880
Capacity, yds.	40	60	80
Pillar, in.	1⅜	1⅜	1⅜
Diameter, in.	2⅛	2 5/16	2 7/16
W't, ozs.	5	5½	6½
Each	$2.00	2.20	2.30

WITH JEWELED OIL CUPS

Nos.	5840J	5860J	5880J
Capacity, yds.	40	60	80
Pillar, in.	1⅜	1⅜	1⅜
Diameter, in.	2⅛	2 5/16	2 7/16
W't, ozs.	5	5½	6½
Each	$2.30	2.50	2.70

ONE IN A BOX

QUADRUPLE MULTIPLYING



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Quadruple multiplying, steel pinion, adjustable click and drag.

White celluloid handle, oil cup over pivot bearings.

WITHOUT JEWELED CAP

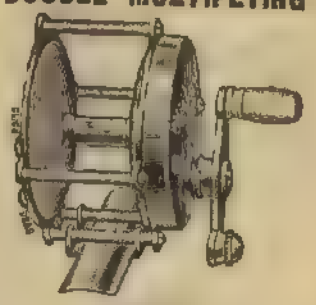
Nos.	1940	1960	1980
Capacity, yds.	40	60	80
Pillar, in.	1⅜	1⅜	1⅜
Diameter, in.	2	2¼	2⅜
W't, ozs.	5⅜	6⅜	7
Each	$2.90	3.10	3.30

WITH JEWELED CAP

Nos.	1960J	1980J
Capacity, yds.	60	80
Pillar, in.	1⅜	1⅜
Diameter, in.	2¼	2⅜
W't, ozs.	6⅜	7
Each	$3.50	3.70

ONE IN A BOX

DOUBLE MULTIPLYING



CLIMAX

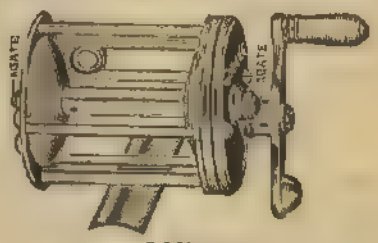
Double multiplying, adjustable click and drag.

White celluloid handle.

Nos.	4840	4860	4880	4900
Capacity, yds.	40	60	80	100
Pillar, in.	1⅛	1⅛	1⅛	1⅛
Diameter, in.	2⅛	2⅜	2⅛	2 11/16
W't, ozs.	4⅜	5	5⅛	6⅛
Each	$1.60	1.70	1.80	2.00

ONE IN A BOX

QUADRUPLE MULTIPLYING



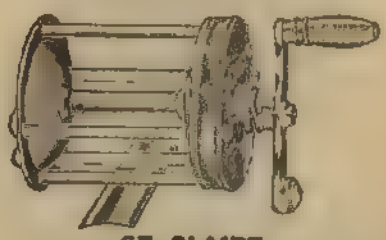
CANADA

Level line winding guide, quadruple multiplying, steel pinion, adjustable click and drag.

White celluloid handle, oil cups over pivot bearings.

No. 3460—Capacity 60 yards, pillar 1⅛ in. diam. 2 in., w't 7 ozs., each $4.00

ONE IN A BOX



ST. CLAIRE

Quadruple multiplying, steel pinion, pivot in bearing case. Oil cups over pivot bearings, adjustable click and drag.

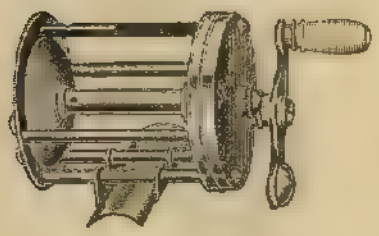
White celluloid handle, pillar 1⅛ in., diam. 2 in., w't 7⅜ ozs.

No. 4460—Capacity 60 yds., **without jewels** . . . . . each $4.20

No. 4580—Capacity 80 yds., **with two jewels** . . . . . each $4.80

ONE IN A BOX

QUADRUPLE MULTIPLYING FISHING REELS



SPECIAL

Long spool, quadruple multiplying, steel pinions, adjustable click and drag.

White celluloid handle, oil cups over pivot bearings.

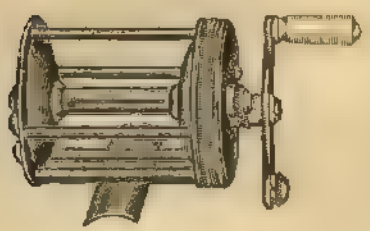
WITHOUT JEWELED CAP

Nos.	8260	8280
Capacity, yds.	60	80
Pillar, in.	1⅞	1⅞
Diameter,in. in.	2	2¼
W't, ozs.	6¼	7¼
Each	$3.10	3.50

WITH JEWELED CAP

Nos.	8260J	8280J
Capacity, yds.	60	80
Pillar, in.	1⅞	1⅞
Diameter,in. in.	2	2¼
W't, ozs.	6¼	7¼
Each	$3.50	3.70

ONE IN A BOX

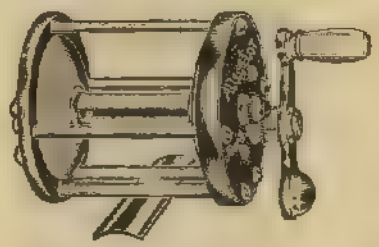


Full steel pivots, quadruple multiplying, steel axle, pinion, spring and ratchet, steel pivots in pivot bearing case, oil cups over pivot bearings, white celluloid handle. Capacity 60 yds. pillar 1⅞ in. diam. 2 in. w't 7¼ ozs.

No. 4660—Cascade—Nickel plated, each $4.40

No. 3160—Professional, Satin finish, each $4.90

ONE IN A BOX



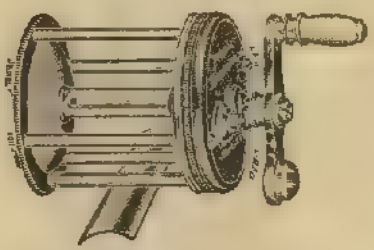
ALLIGATOR

Rubber plates, full steel pivots, quadruple multiplying, steel axle, pinion, click, and spring, adjustable click and drag.

White celluloid handle, cups over pivot bearings.

No. 4760—Capacity 60 yds., pillar 1⅞ in., diam. 2⅛ in., w't 6¼ oz., each $5.30

ONE IN A BOX



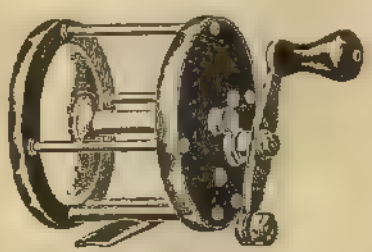
PREMIER TOURAMENT

Satin finish, quadruple multiplying, full steel pivots, pivot bearing case on Top Plate, adjustable drag on cap, and adjustable click on back-plate.

White celluloid handle, cups over pivot bearings, two genuine agates, on which the steel axle is adjusted.

No. 2160—Capacity 60 yds., pillar 1⅞ in., diam. 2 in., w't 8 ozs., each $6.90

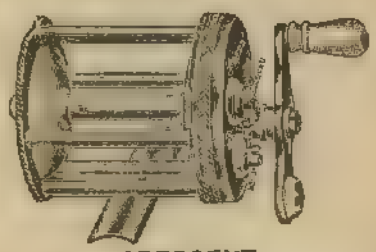
ONE IN A BOX



"SALT WATER"

No. 6100—Rubber, surf-casting, 200 yards, 2⅛ in. pillar, 3 in. in diam., reverse metal bound, nickel plated metal parts, adjustable back-sliding click and drag, bridged front plate, coffee grinder handle, Kentucky pattern cross plate, steel cog post, click spring, tongue and ratchet, w't 16 oz. ..... each $10.00

ONE IN A BOX



CRESCENT

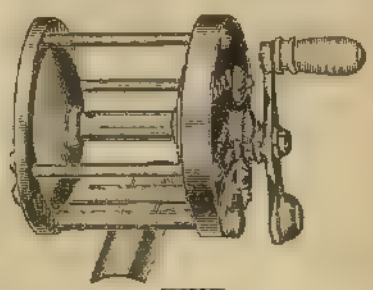
Satin finish, quadruple multiplying, full steel pivots, pivot bearing case on Top Plate, adjustable drag on cap, and adjustable click on back-plate.

White celluloid handle, cups over pivot bearings.

No. 2280—Capacity 80 yds., pillar 1⅞ in., diam. 2⅛ in., w't 8¼ ozs., click and drag attachment on cap, each $6.00

No. 2360—Capacity 60 yds., pillar 1⅞ in., diam. 2 in., w't 8 ozs., click and drag attachment on cap, two genuine agates on which the steel axle is adjusted ..... each $7.10

ONE IN A BOX



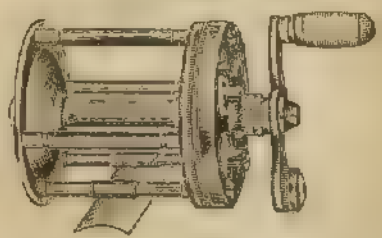
KING

Free spool, for long distance casting, rubber plates, full steel pivots, quadruple multiplying, adjustable click and drag.

White celluloid handle, oil cups over pivots.

No. 2460—Capacity 60 yds., pillar 1⅞ in., diam. 2⅜ in., w't 7¼ ozs., each $7.30

ONE IN A BOX



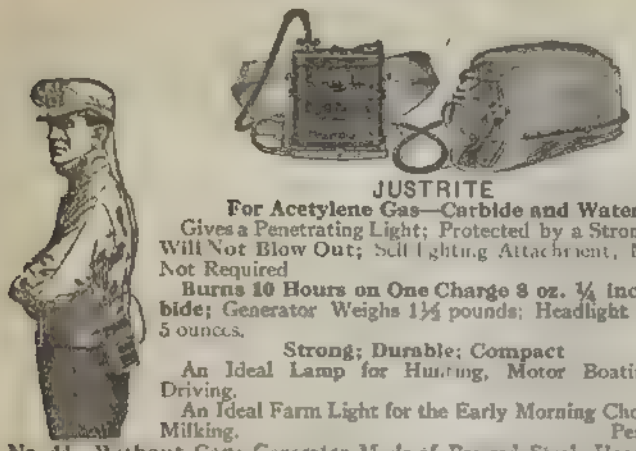
JUPITER

Nickel-silver, quadruple multiplying, full steel pivots, very best construction.

No. 2560—Capacity 60 yds., pillar 1⅞ in., diam. 2 in., w't 8 ozs., each $16.00

ONE IN A BOX

CAMPERS GAS LAMPS



JUSTRITE

For Acetylene Gas—Carbide and Water

Gives a Penetrating Light; Protected by a Strong Lens. Will Not Blow Out; Self Lighting Attachment, Matches Not Required

Burns 10 Hours on One Charge 8 oz. ¼ inch Carbide; Generator Weighs 1½ pounds; Headlight Weighs 5 ounces.

Strong; Durable; Compact

An Ideal Lamp for Hunting, Motor Boating and Driving.

An Ideal Farm Light for the Early Morning Chores and Milking.

Per Dozen

No. 44 Without Cap; Generator Made of Pressed Steel, Head Lamp of Brass, Nickel Plated; Complete with Generator, Rubber Hose, Canvas Belt and Head Lamp, Weight Each, 2 lbs **$144.00**

One in a Box

JUSTRITE

Small Size; HAND

Drawn Brass, Nickel Plated and Highly Polished; 2⅛ inch Nickel Plated Reflector with Sparker Attachment; Equipped with Folding Handles and Hook, Also No. 76 Pocket Carbide Can and Extra Repair Parts; Height 3⅛ inches, Diameter 2 inches; Burns 3 Hours with One Filling.

Per Dozen

No. 100—Weight per Dozen, 5 lbs..... **$33 00**

Twelfth Dozen in a Wooden Box

JUSTRITE

New Lever Feed

Produces a Light of 16.7 Candle Power

New "Matchless" Lighter Attachment

Guaranteed Perfect In Material and Workmanship

Made in Two Parts, Water Reservoir and Carbide Container, Drawn From Seamless Brass.

New Style Water Feed; A Valve Enclosed in a ¼ inch Tube; So Constructed that it Increases or Decreases the Supply of Water; The Valve is Operated by a Lever Sliding Back and Forth Over Notches; and Held Firmly in Place by a Small Spring; Easy to Operate and Keep Clean.

Per Dozen

No. 57—Polished, Drawn Brass Lamp; Equipped with Patent Lighter Reflector 2¼ inches in Diameter; Permanently Attached to Lamp, Height of Lamp Over All 8⅛ inches, Diameter 2 inches; Extra Carbide Container with Each Lamp; Weight per Dozen, About 5 lbs..... **$24.20**

No. 407—Same as No. 57, but Without Extra Container, Weight per Dozen, About 4½ lbs..... **20.00**

Twelfth Dozen in a Box

No. 407C—Extra Containers for No. 407 Lamp; Weight per Dozen, About ½ lb **4.00**

Twelfth Dozen in a Box

FISHERMEN AND HUNTERS LAMPS

These Lamps are Especially Adapted to the Uses of Hunters and Fishermen; The Reflectors Throw a Very Strong Light that Penetrates to a Great Distance, Making them Invaluable for Coursing, Deer Hunting for Night Fishing and Spearing; Also Suitable for Use in Camps, Stables, Etc., They Use Ordinary Kerosene Oil; are Adjustable to Any Size Head and are Light and Comfortable to Carry.

STAR

All Bright Tin; Concave Semi-Circular Reflector; Two Removable Round Tube Tin Burners, Using Cotton Rope Wicking; Size 7¾ inches Wide, 7¼ inches High.

Per Dozen

No. S1—Weight per Dozen, 7 lbs..... **$17.00**

One Dozen in a Carton

OAR LOCKS

NOTE—Size Given on Oar Locks is the Distance Between Horns at Narrowest Point. We Will Not Break Pairs on Oar Locks.

STANDARD SIDE PLATE

Malleable Iron; Full Length of Side Plate 7½ inches; Height of Side Plate 3 inches; to Screw on Side of Boat.

Per Pair

No. 15—Plain; 1⅝ inches; Weight per Pair, 2⅞ lbs. . . . **$1 40**

No. 16—Galvanized; 1⅝ inches; Weight per Pair, 2⅝ lbs **1 70**

Loose

WISCONSIN PATTERN

Malleable Iron with Socket; Socket Plate 3x1 inches

Per Pair

No. 25—Plain; Weight per Pair, 28 ozs..... **$0.90**

No. 26—Galvanized; Weight per Pair, 28 ozs..... **1.10**

Loose

ANGLE SOCKET

Malleable Iron

Per Pair

No. 23—Plain; 7x1¾ inches; Weight per Pair, 24 ozs..... **$0.60**

Loose

EXTRA SIDE PLATES

Per Pair

No. EP17—Plain; Full Length 7½ inches; Height 3 inches; Weight per Pair, 1½ lbs..... **$0 60**

No. EP18—Galvanized; Full Length 7½ inches; Height 3 inches; Weight per Pair, 1½ lbs..... **.70**

Loose

EXTRA HORNS

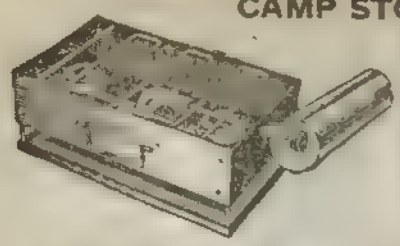
Per Pair

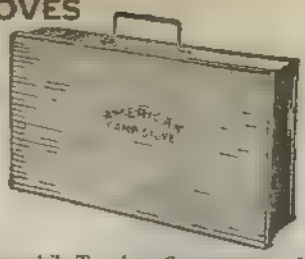
No. EH17—Plain; Length 7 inches; Weight per Pair, 1⅝ lbs **$0 60**

No. EH18—Galvanized; Length 7 inches; Weight per Pair, 1⅝ lbs..... **.70**

Loose

CAMP STOVES





A Perfect Stove for All Campers, Automobile Tourists, Sportsmen and All Who Enjoy Outdoor Life. Convenient and Easy to Operate. When Not in Use Can be Folded into a Small Compact Parcel, no Projecting Parts; Burns Common Gasoline; Tank Holds Sufficient Quantity to Burn for Two and a Half Hours at Full Capacity; By Means of a Few Strokes from a Durable Pump Furnished with Stove, Air Pressure is Supplied which Forces Gasoline into Generator Where it is Converted Into Gas and Fed to Burners; as Stove Burns Under Pressure it Produces an Intense Heat, Although the Flame May be Regulated to a Low Simmering Fire if Desired. Steel Case; Cast Iron Burners; Mild Steel Grate; Seamless Brass Generator Tube.

Each

No. 3—Black Enameled; Size Folded 14½x8x3½ inches; Weight 8 lbs..... **$12.00**

One in a Package

Cut Shows Stove Folded Ready for Packing

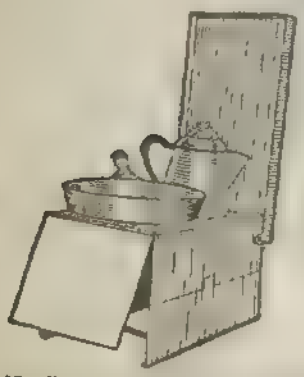
★OUTING

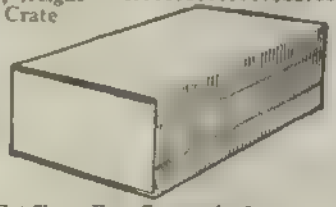
Folding; for Wood Only; Will Cook and Bake Equal to a Gas Range; No Screws, Bolts or Rods in the Entire Construction; Every Joint is a Sliding One, and They Always Fit, as Clearance has been Allowed for the Expansion and Contraction of the Metal; Can be Taken Down and put up in a Few Minutes. Easily Carried About on Account of its Light Weight and Compactness.

Each

No. 1—Cold Rolled Steel No. 26; Japanned; Length 26 inches; Width 12 inches; Height 12 inches; Oven 10x8½x6 inches; Fire Box 10x11½x13 inches, Size when Folded 26x12x3 inches; with Carrying Strap; Without Pipe; Weight 12 lbs..... **$11.00**

One in a Crate





Cut Shows How Compactly Stove Can Be Folded When Not in Use.

Clean and Compact; Made of Heavy Sheet Iron. All Sooty or Soiled Parts Fold Inside; Has Recess for Coffee Pot, which Makes Quick Boiling; Folding Chimney, which Carries Away Smoke, Usually so Disagreeable when Camping.

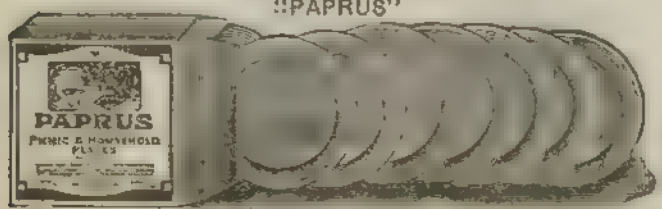
Each

No. 75—Size Folded 17x9x5 inches; Weight 10½ lbs. **$4 50**

One in a Carton

PICNIC PLATES

"PAPRUS"



These Plates are Waterproof and are Especially Adapted for Camping, Picnic or Luncheon Plates, Eight inches in Diameter.

Per Dozen

No. 5—Weight per Dozen ½ lb..... **$1 70**

12 Plates to a Carton; 18 Cartons to the Shipping Case

CAMP GRIDS

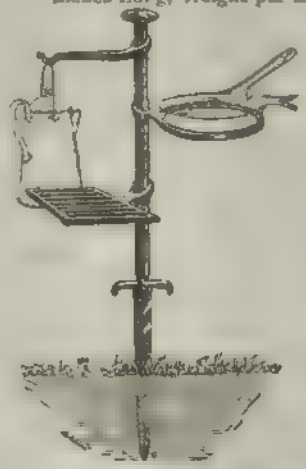
An Ideal Grid, for Use with Wood Fuel and for Permanent Camp Purposes; Made of Best Steel Wire Reinforced with a Flat Steel Bar, Making Rigid and Preventing the Cross Wires Being Warped by Heat; All Joints Electrically Welded. Legs Fold Out of the Way so that the Grid Can be Placed in a Small Space.

Per Dozen

No. 3G—All Steel; Aluminum Finish; Size 10x14 inches; Legs 12 inches Long; Weight per Dozen 24 lbs..... **$12 00**

No. 4G—All Steel Aluminum Finish; Size 13x21½ inches, Legs 13 inches Long, Weight per Dozen, 42 lbs..... **18 00**

Loose



GRUB STAKES

CAMP FIRE

Grub Stake can be Adjusted to Any Fire Regardless of Height or Direction of Flame; the Spear is Twelve inches Long; Upper Pipe is Nineteen inches Long Fitting Over Spear; Gird and Skillet Ring are Nine inches in Diameter; Pot Ring Extends Seven inches from Pipe; Adjustable to Any Height.

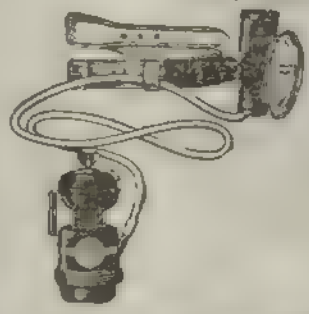
Per Dozen

No. 5GS—Weight per Dozen 114 lbs..... **$60 00**

One in a Box

CAMPERS GAS LAMPS

BRILLIANT SEARCHLIGHT



Generator Capacity 4 ozs.; Carbide, Which will Burn 8 to 10 Hours; Empty 12 ozs.; Charged 20 ozs.; Lamp 4 inches in Diameter; 3 inches Deep; Made of Steel and Sheet Brass; Reflector 3½ inches in Diameter; Made of Brass, Full Shaped; Nickel Plated and Highly Polished; Convex Lenses; Candle or Pencil Flame Burner; 45 inch Non-kink Gas Hose, Slip-on Type.

Per Dozen

No. B4—Weight per Dozen 25 lbs. **$174.00**

One in a Box

New Departure in Acetylene Lamps. Throws a Powerful White Light, Invaluable for Hunters, Fishermen, Miners, Etc.

Generator Capacity 4 ozs. Carbide, which will Burn 8 to 10 Hours; Empty 12 ozs.; Charged 20 ozs.; Lamp 4 inches in Diameter; 3 inches Deep; Made of Steel and Sheet Brass; Reflector 3½ inches in Diameter; Made of Brass, Full Shaped, Nickel Plated and Highly Polished; Convex Lenses; Detachable Hinged Bezel Lens and Darkening Door, Candle or Pencil Flame Burner, 45 inch Non-kink Gas Hose, Slip-on Type.

Per Dozen

No. B5—Weight per Dozen, 25 lbs **$210 00**

One in a Box

COLUMBIA

Jack Lamp and Generator

For Hunters, Fishermen, Miners and Sportsmen. Throws a Powerful White Light; Invaluable for Hunting Coon, Possum, and Other Nocturnal Animals. Generator 5½ inches Long 2 inches in Diameter; Weight 16 ozs. (Carbide Capacity Enough to Run the Lamp 5½ Hours). Made of Brass, Gun Metal Finish; Attached to Any Width Cartridge Belt up to 2 inches; Headlight Weight 6 ozs.; Parabolic Reflector; Diameter of Face 2¾ inches; Straps to Front of Hat; is Connected to Generator by Rubber Tubing.

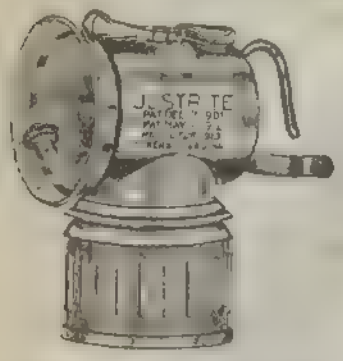
Per Dozen

No. C3—Weight per Dozen, 25 lbs..... **$150 00**

Twelfth Dozen in a Box

CAMPERS GAS LAMPS

Suitable for use by Miners, Surveyors, Mining Engineers and Superintendents. Operated at Less Expense than Candle or Oil Lamps; Gives a far Better Light.



JUSTRITE

New Lever Feed; Produces a Light of 16.7 Candle Power; New "Matchless" Lighter Attachment; Guaranteed Perfect Material and Workmanship.

The Wire Feed is so Constructed That the Supply of Water Can be Increased or Decreased as Desired. It is one of the Original Justrite Water Feeds and Will Give the Miner very Satisfactory Service. Will Burn 2½ Hours on one Charge (2 oz. Carbide.)

Per Dozen

No. 57—Polished, Drawn Brass Lamp; Equipped with Patent Lignite Reflector 2½ inches in Diameter, Permanently Attached to Lamp, Height of Lamp overall 3¾ inches, Diameter 2 inches. Weight per Dozen about 6 lbs. **$26 50**
Extra Carbide Container with Each Lamp

No. 407—Same as No. 57 but **without Extra Container; Weight** per Dozen about 4½ lbs. **23.00**

No. 407C—**Extra Containers for No. 407 Lamp; Weight per Dozen** about ½ lb. **1.40**
One Dozen in a Carton

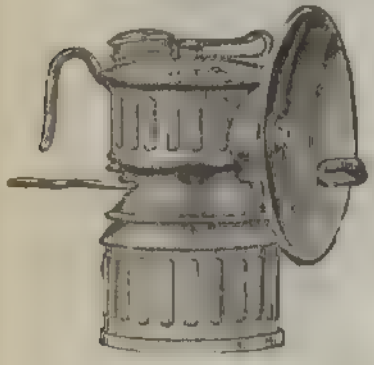
JUSTRITE

Polygon Feed Lamps

The Polygon Feed is a Dependable Regulating Valve Which Can be Adjusted to Permit a Free Flow of Water. The Square Construction at the Base of the Valve Stem "Lips the Carbide" and Makes the Flame Respond Quickly to Regulation. Has a 2½ inch Concaved Reflector.

Per Dozen

No. 707—Polished Brass Lamp; Weight per Dozen 6 lbs. **$20 30**
Twelfth Dozen in a Box



VICTOR

Polygon Feed

Miners Preferring a Vertical Shape Lamp with Detachable Reflector Will Find the Victor Lamp Fulfilling All Requirements, Workmanship of the Highest Caliber and Strongly Constructed.

Per Dozen

No. 661—Lamp Polished Brass, 2½ inch Reflector, Weight per Dozen 6 lbs. **$20 30**

No. 676NR—Lamp Brass Body; 3 inch Nickel Plated Reflector; Flat Hook; This Lamp is Principally Used in Lead Mines; Weight per Dozen 6 lbs **23.10**

No. 662—Lamp Same as No. 661 Except 2 inch Reflector Used for Mining Low Seam Coal; Weight per Dozen 6 lbs. **19 80**
Twelfth Dozen in a Box

CAMPERS GAS LAMPS

With Matchless Lighting Attachment

Especially Intended for use by Sportsmen for Camping, Although they will also be Found Suitable for Superintendents, Engineers, Surveyors, Mine Inspectors, etc.

JUSTRITE

Equipped with 3 inch Saucer Shape Reflector; Nickel Plated; Used Principally in Lead Mines; This Lamp is Equipped with a Flat Hook.

Per Dozen

No. 709—Nickel Plated Lamp; Weight per Dozen 6 lbs. **$24.70**
Twelfth Dozen in a Box

EXTRA PARTS FOR MINERS LAMPS

These Auto-Lighters Eliminate the Necessity of Carrying Matches and the Trouble Necessary to Keep them Dry and in Condition to Use. If your Light Should Accidentally go out, a Twist or Two of the Wheel Lights it Again. The Convenience and Saving in time is Readily Apparent.

These Lighters are not Soldered to the Reflectors; the Lock Nut Enables You to Remove the Lighter from the Reflector and put it on a New Reflector.

REFLECTORS

Spun Brass; Diameter 2½ inches; Equipped with Patented Sparkers.

Per Dozen

No. 26—Weight per Dozen 16 ozs. **$5.50**
One Dozen in a Box

RUBBER GASKETS

Flat, Red India Rubber; Diameter Outside 1¾ inches; Diameter Inside 1⅜ inches.

Per Dozen

No. 60—Weight per Dozen about 2 ozs. **$0.80**
Loose

FELT PACKERS

Good Grade Felt; Diameter 1½ inches; Thickness 3-16 inch.

Per Dozen

No. 9—Weight per Dozen about 1 oz. **$0.80**
Loose

JUSTRITE MINERS' CARBIDE LAMPS

Brass finish, burning capacity 2½ hrs., w't 5 oz., charge 2 oz. carbide, height 3¾ in., diam. of bottom 2 in., 16.7 candle power.

WIRE FEED

Round Hook, 2¼ in. reflector.
No. 407—Lamp only...dozen $18.00
No. 85—Lamp with No. 77 carbide can .....per dozen $22.00

Flat Hook.
No. 417—Lamp only,
per dozen $18.00

POLYGON FEED

Saucer-shaped reflector, 3 in. in diameter.
No. 767—Polished Brass, lamp only, per dozen $19.00
No. 769 — Polished nickel, lamp only .....per dozen $22.00

NEW DRIVERS' LAMP

Special silvered reflector and flame protector.

Polished brass, polygon feed, deep concaved silvered reflector, 2¾ in. in diam. Equipped with No. 170 flame protector making lamp wind and drip proof. Excellent for wet mines.
No. 787—Round hook, dozen $22.00
No. 797—Flat hook ...dozen $20.00

ABOVE, ONE DOZEN IN A CARTON. W'T 6 LBS.

VICTOR CAP LAMPS

Miners preferring an "upright" or "vertical' style lamp will find the Victor equipped with a dependable water feed, a reflector rigidly attached to lamp not easily bent, broken or lost.

Brass, round hook, 2¾ in. reflector.

No. 661—Lamp only, w't per doz. 6 lbs. .....per dozen $18.00

ONE DOZEN IN A CARTON

Brass, flat hook, 3 in. reflector.

No. 676—Lamp only, w't per doz. 6 lbs. .....per dozen $20.00

ONE DOZEN IN A CARTON

JUSTRITE SUPERINTENDENTS' LAMPS

Brass, heavily nickel plated, 18 C. P. with folding handle and lighter attachment, equipped with flame protector, carbide can included with lamp. Also for hunting, fishing, camping.

No. 100—2¼ in. reflector, burns 3 hours, w't per doz. 9 lbs., per dozen $27.00
No. 95—3 in. reflector, burns 4 **hrs,,** w't per doz. 8 lbs. per dozen $36.00

GUY'S DROPPER MINE LAMPS

No. 22SL.

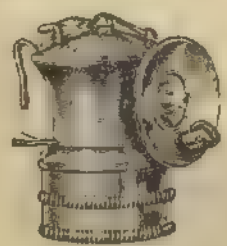
Brass lamp, bright finish. Polished brass reflector fastened to lamp with lock nut screw on burner tube, strongly reinforced on back to protect from accident. Intended for use in rooms or entries with high roofs.

No. 22SL—2¼ in. reflector, **round** hook, hexagon bottom, per dozen $18.50

No. 422SL—2¼ in. reflector, **flat** hook, hexagon bottom, per dozen $18.50

No. 423SL—3 in. reflector, **flat** hook, hexagon bottom ..per dozen $19.00

AUTO-LITE MINE LAMPS



Improved water dropper, which does not clog and requires no cleaning. Equipped with self-lighter. Light in weight but strong and durable.

Burning capacity 8½ hours. W't 6 lbs.

No. 11—Polished brass,
per dozen $18.00

No. 12—Nickel plated brass,
per dozen $19.00

ONE IN A BOX. ONE DOZEN IN A CARTON. THREE DOZEN IN A SHIPPING CARTON.

INVERTED GAS LAMPS

The design is graceful and artistic. Very accurately proportioned to secure the most perfect mixing and combustion of the gases. Can be used with bent tube as illustrated, straight down without bent tube, or as an upright burner.

No. 950—Triplex, brush brass, with bent tube, air shutter and side screw regulator, new spring globe holder, magnesia mantle support, for artificial or natural gas, with round globe and high grade mantle, w't per doz. 6 lbs. ....per dozen $24.00

ONE COMPLETE IN A BOX

No. 550—Tanivy, brush brass, air shutter and side screw regulator, new spring globe holder, magnesia mantle support, for artificial or natural gas, with half frosted ball globe and standard mantle, w't per doz. 6 lbs. .....per dozen $12.50

ONE COMPLETE IN A BOX

GAS AND GASOLINE GLOBES

Clear, air hole cylinder, best quality, lead glass, height 7 in., fitter 2 in.

No. R199—In full boxes of 1 dozen, w't per doz. 3 lbs., per dozen $5.00

No. R199½—In full cases of 3 dozen, w't 10 lbs., per case $14.40

WAX TAPERS

No. 172—First quality, 15 in. long, per dozen boxes $1.60

30 TAPERS IN A BOX, ONE DOZEN BOXES IN A PACKAGE

TAPER HOLDERS

No. 357—Medium grade, gas key, wood handle, 29 in. long, per dozen $3.60

ONE DOZEN IN A BOX, W'T 5 LBS.

SAFETY GAS LIGHTER

Round File Popular.

Cheaper, safer and cleaner than matches. To use lighter, thumb of right hand is placed on ring at side, hold lighter above burner with spark guard facing upwards and acting as hood to hold gas, then squeeze arms of lighter quickly together.

No. 2—Lighter, spring wire with spark shield, length 7¾ in., w't per doz. 2 lbs. .....per dozen $4 20

ONE DOZEN IN A DISPLAY BOX

RENEWELS

Sparking metal for No. 2 lighter. When old is worn out and no longer sparks, can be unscrewed and new Renewel screwed in its place.

No. 4—Round file renewal, w't per doz. 2 oz. .....per dozen $1.60

ONE IN AN ENVELOPE

—— O ——

Carry a line of goods upon which you can rely.

The dealer who carries H. S. B. & Co. Brands marks his store as a place where the better goods are sold.

A house with over sixty-eight years' experience stands back of our brands.

Our reputation founded on over sixty-eight years' business stands back of the H.S.B. brand.

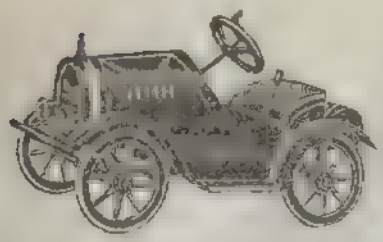
All goods branded H.S.B. are guaranteed to be of highest quality material and workmanship and free from imperfections.

In selling H.S.B. articles there is a profit for you and satisfaction to your customers.

Hibbard
Hardware
for
Hard-Wear

JUVENILE AUTOMOBILES

Prices Do Not Include Lamps, Except Where So Stated



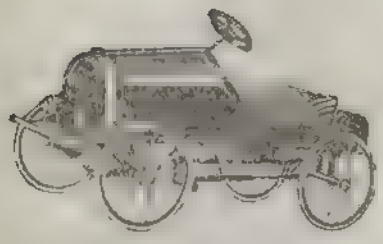
MOGUL

Body—13x39 inches; Finished in Red Enamel, with Black Panel on Hood.

Wheels—12x1⅝ inch Rubber Tired, Roller Bearing, Wood Wheels, Red Enameled with Yellow Striping.

Fenders—Crown, Black Enameled with Golden Stripes

No. 538—Complete with Lamps; Weight, 75 lbs.....$29.70
One in a Crate



HORNET

Body—1 x39½ inches Finished in Red with Wide Yellow Panel Striped in Yellow.

Wheels—12x1½ inches, Rubber Tired Wheels, Red Enameled

Gear—Knuckle Joint; Gas and Spark Control.

No. 524—Complete with Lamps; Weight, 50 lbs.....$19 10
One in a Crate

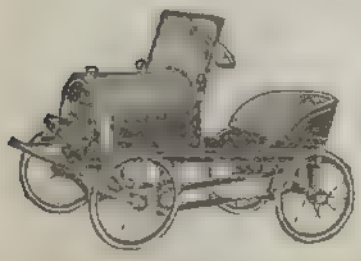
NATIONAL

Body—13x41 inches; Finished in Yellow with Red Striping.

Wheels—12x1½ inches, Rubber Tired, Red Enameled.

Gear—Knuckle Joint; Gas and Spark Control

No. 533—Complete with Lamps; Weight, 70 lbs.....$22 00
One in a Crate



COURIER

Body—12x30 inches; Light Blue with Orange Striping.

Windshield — Nickel Plated, Form Fitting.

Bumper.

Gear—Knuckle Joint; Spark and Gas Control.

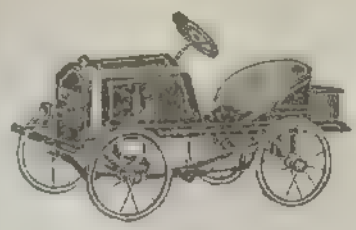
Wheels—10x1½ inch, Rubber Tired, Red Enameled, Nickel Plated Hub Caps.

Each

No. 32—Without Lamps or Horn; Weight, 38 lbs.....$16 50
One in a Crate

JUVENILE AUTOMOBILES

Prices Do Not Include Lamps



RELIANCE

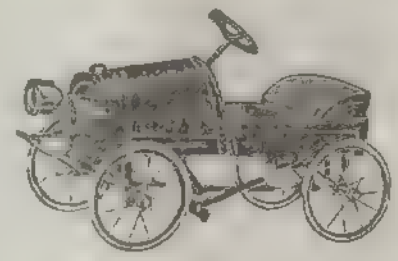
Body—12x36 inches; Finished in Rich Orange with Green Striping.

Wheels—10x1¾ inch Rubber Tired, Red Enameled.

Gear—Knuckle Joint.

Each

No. 28—Without Lamps, Weight, 39 lbs.....$14 50
One in a Crate



STUTZ

Body—12x30 inches; Beautiful Green with Yellow Striping; Radiator Front Yellow.

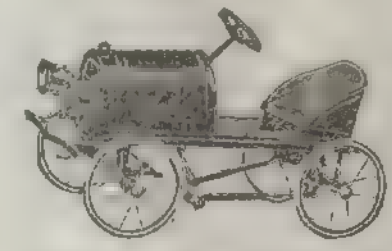
Bumper.

Gear—Knuckle Joint; Gas and Spark Control

Wheels—10x1¾ inches; Rubber Tired; Red Enameled; Nickel Plated Hub Caps.

Each

No. 20—Without Lamps or Horn; Weight, 35 lbs.....$12.00
One in a Crate



ACE

Body—12x30 inches, Bright Red Striped with Yellow.

Gear—Knuckle Joint; Gas and Spark Control.

Wheels—10x1¾ inch Rubber Tired; Red Enameled; Nickel Plated Hub Caps; Steering Wheel, Black Enameled.

Each

No. 25—Without Lamps or Horn; Weight, 30 lbs.....$11.50
One in a Crate

JUVENILE AUTOMOBILE HORNS

HAND ACTUATED

A Miniature Automobile Horn of Latest Design; Every Part Interchangeable; Emits a Loud Sound at the Slightest Touch of the Plunger.

Each

No. B—Size 3x3 inches; Finish All Black Enamel; Weight, 1 lb.....$1 80
One in a Box

Bell 2½ inches in Diameter; Nickel Plated, Over Spun Brass; Metal Reed; Length Over All 7¼ inches; Diameter of Bulb 1⅞ inches.

Each

No. 3BH—Weight Each, 5 ozs.....$1 10
Twelve in a Box

VELOCIPEDES

★ RUGBY

Tubular Frame

All Joints Hand-Braced, Arched Fork Crown; Ball Bearing Wheels, with Bicycle Spokes and Nipples; Pedals are of Rat Trap Type, Ball Bearing, Nickel Plated; Padded Bicycle Saddle; Double Coil, Nickel Plated Springs, Handle Bar with Forward Extension; Adjustable, Full Nickel Plated, with Rubber Motor Bike Grips; Cranks Nickel Plated, Drop Forged; 1 inch Cushion Tires on Both Front and Rear Wheels. Frame, Fork and Rims are Finished in a Royal Blue with Gold Striping.

(COMPLETE WITH FRONT MUD GUARD)

	Each
No. 71—16 inch Front Wheel; 10 inch Rear Wheels; Weight Each, Crated, 25 lbs.	$21 00
No. 72—20 inch Front Wheel 14 inch Rear Wheels, Weight Each Crated, 30 lbs.	27 00
No. 73—24 inch Front Wheel; 16 inch Rear Wheels Weight Each, Crated, 35 lbs.	32 00
If Wanted with Coaster Brake, Add	6.60

★NORLEIGH DIAMOND

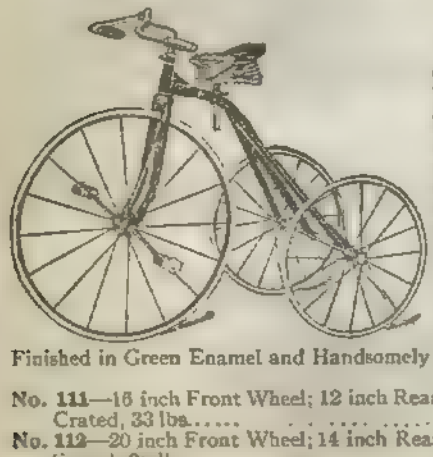
Ball Bearing

This Velocipede is Made Up in Bicycle Style; Full Ball Bearing Bicycle Crank; Rat Trap Pedals; Brown Pattern Bicycle Saddle; Detachable Adjustable Nickel Plated Handle Bar; Wheels Maroon Enameled; Large Nickel Plated Hub Caps. Fitted with 1 inch Front and ⅞ inch Rear Rubber Tires.

Finished in Maroon Enamel and Handsomely Gold Striped.

	Each
No. 20—14 inch Front Wheel; 10 inch Rear Wheels; Weight Each, Crated, 2[illegible] lbs.	$16.40
No. 21—[illegible] Front Wheel 12 inch Rear Wheels, Weight Each, Crated, 25 lbs.	17 00
No. 22—20 inch Front Wheel; 14 inch Rear Wheels; Weight Each, Crated, 30 lbs.	18 50
No. 23—24 inch Front Wheel; 16 inch Rear Wheels; Weight Each, Crated, 34 lbs.	20 50

Two in a Crate



★DIAMOND SPECIAL

This Velocipede is High Class in Every Respect, Made Throughout of the Best Materials, Has Large New Idea Barrel Hub Rear Wheels, Fitted with Brass Plated Hub Caps, Velocipede Rat Trap Pedals; Bicycle Saddle and Detachable Adjustable Nickel Plated Handle Bar; Wheels Baked Enamel to Match Frame.

Fitted with ⅝ inch Front and ⅝ inch Rear Rubber Tires.

Finished in Green Enamel and Handsomely Gold Striped.

	Each
No. 111—16 inch Front Wheel; 12 inch Rear Wheels; Weight Each, Crated, 33 lbs.	$11 70
No. 112—20 inch Front Wheel; 14 inch Rear Wheels; Weight Each, Crated, 38 lbs.	13 10
No. 113 24 inch Front Wheel, 16 inch Rear Wheels; Weight Each, Crated, 40 lbs.	14.50

Three in a Crate

VELOCIPEDES

★DIAMOND

Full Leather Seat, Well Shaped and Adjustable; Reinforced One Piece Front Fork with Patent Ring Fasteners; Rigid Steel Frame; Black Enameled; Extra Heavy Baked Enameled Wheels, with Extra Large Outer Bearing Steel Hub; Stationary Handle Bar; Spring Seat.

With Rubber Tires

No.	100½
Wheels, inches	12 and 8
Size of Tire, inches	½-⅜
Leg Measure, inches	11
Weight Each, lbs	14
Weight Crated, lbs.	40
Each	$4.80

Three in a Crate

★MOUND CITY
TRADE MARK

Rigid Steel Frame, Black Enameled; Wheels are Heavily Enameled, With Steel Tires, Stationary Handle Bars

With Steel Tires

Nos.	4190	4200	4210
Wheels, inches	14 and 9	16 and 12	20 and 14
Leg Measure, inches	19	20	22
Weight Each, lbs.	17	18	22
Weight Crated, lbs.	50	55	65
Each	$4.20	4.50	5.40

Three in a Crate

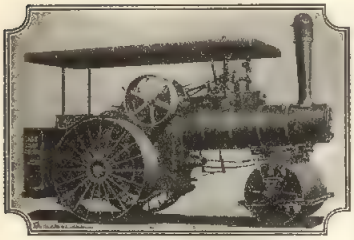
With Rubber Tires

Nos.	4190½	4200½	4210½
Wheels, in.	14 and 9	16 and 12	20 and 14
Size of Tire, in.	½-⅜	½-⅜	½-⅜
Leg Measure, in.	19	20	22
Weight Each, lbs.	17	18	22
Weight Crate, lbs.	50	55	65
Each	$5.40	5.80	6.50

Three in a Crate

Case Road Rollers

How To Build Good Roads Most Economically



Belt Pulley Side, Case Road Roller

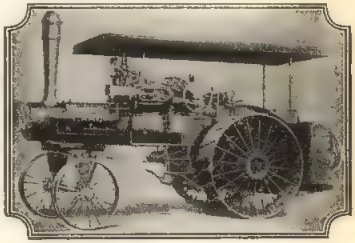
Economy in Road Building depends upon the machinery with which the work is done; and equipment which saves time, and reduces labor costs, will necessarily reduce road construction costs.

Case Road Rollers are constructed and designed upon tried and tested principles. They will prove to be the most economical in the long run for lasting qualities, performance and ability to do more good work.

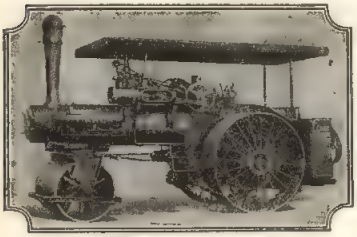
The Case Road Roller is built in 10 and 12 ton sizes, the two sizes most adaptable to do general all around work. Because of their scientifically distributed weight they consolidate the road material quickly with exceptional uniformity. Experienced road builders and engineers agree that three wheeled rollers built in these sizes are most practical for general road construction.

The Case Road Roller is always ready for belt work. When one requires up to fully 40 horse power for stationary or belt work, the large clutch pulley is ready instantly by simply shifting a lever, and may be belted up to a rock crusher, concrete mixer, large pump or any other machinery.

Road builders approve the Case Roller because of it convertibility into a hauling tractor. The Case Roller is convertible by simply removing the front roll and displacing it with a pair of front wheels. It may then be used as a hauling tractor for pulling road graders, movings crushing plants, hauling materials, scarifiers, etc.



Converted into Hauling Tractor



Left Side Case Road Roller

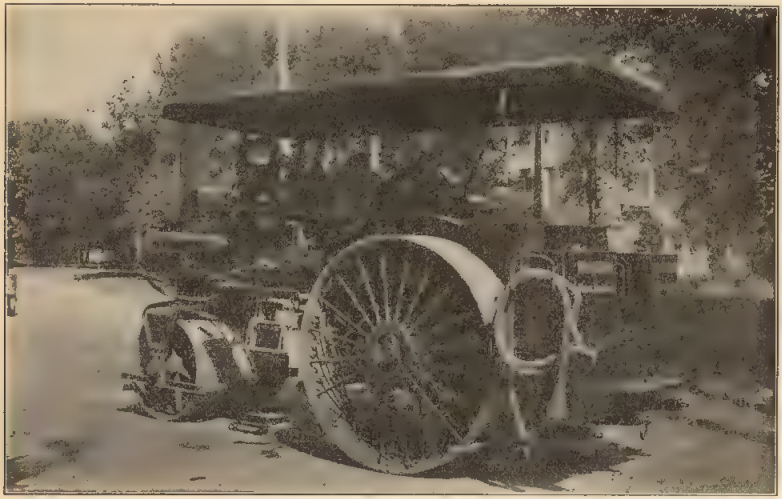
Case Road Making Machinery has many exclusive features that appeal to roller engineers and contractors. Case Rollers have a wide spread and cannot turn over. They will not slip off the crown of slick, muddy roads, and will roll closer to a curb than any other three wheeled road roller.

One can turn in half the space on a narrow road with a Case Road Roller and this roller is so splendidly balanced that the operator finds the steering device very easily operated, as a slight pressure on the hand lever, actuates the power steering mechanism, quickly turning the front rolls in either direction as desired, whether the roller is in motion or at rest. The operator can reach this lever without changing his position. The big, wide, comfortable cab also appeals to the engineer and enables him to work with greater efficiency.

Roomy Cab for Operator

These are some of the reasons why practical and expert roller men and successful contractors prefer Case Road Rollers.

Case Road Rollers Always In Stock



This J. I. Case Roller is the property of M. R. Amerman, of Wichita, Kans., who is one of the largest Paving Contractors in the West. Mr. Amerman standardizes on Bunting equipment knowing that he not only gets Quality and Price, but he gets Service as well.

A Few Other Well Known Contractors Who Use Bunting Equipment

LIST AND HALLETT CONSTRUCTION CO.,
Railway Exchange Building, Kansas City, Mo.

L. L. BYE CONSTRUCTION CO.,
El Dorado, Kansas.

SMITH-GRAHAM CONSTRUCTION CO.,
Augusta, Kansas.

RAND CONSTRUCTION CO.,
Concordia, Kansas.

YANCEY CONSTRUCTION CO.,
Abilene, Kansas.

TIBBETTS AND PLEASANT,
Tulsa, Oklahoma.

DAN BURTON,
Tulsa, Oklahoma.

HAMILTON CONSTRUCTION CO.,
Bartlesville, Oklahoma.

PARKER-WASHINGTON CO.,
Kansas City and Tulsa.

GRAY PAVING CO.,
Kansas City, Mo.

FRED EBERHARDT PAVING CO.,
Salina, Kansas.

METROPOLITAN PAVING CO.,
St. Joseph, Mo.

CASTEEL ENGINEERING CO.,
St. Joseph, Mo.

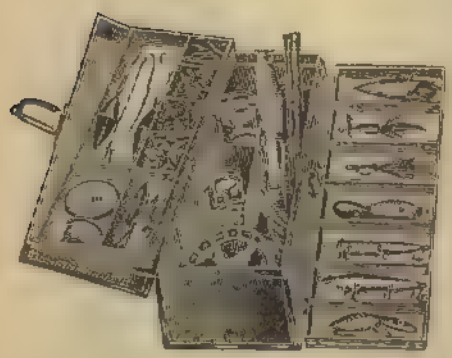
Many other large Railroad, Building and Road Contractors will testify to the Service we render, the quality of our Machinery and our ability to assist our customers.

Write or wire any or all of these Companies if you desire information about any equipment in this Catalog.

KENNEDY TACKLE BOXES

No. 44 — 14 in. long x 7 in. wide, 10 in. high, leather brown baked enamel finish, light weight but strong grade steel, double seamed electric welded and reinforced throughout, waterproof and watertight, holds several reels, with two trays, fitted with solid brass corner irons, side catches and lock, leather covered steel handle, w't per doz. 87 lbs. .....per dozen **$96.00**

WRAPPED SINGLY



This style box is for the fishermen who desire a box in which they can carry short casting rods, in addition to their other equipment.

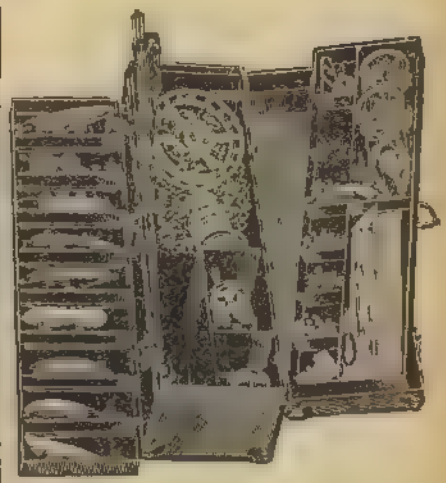
The two trays fit flush so that there is no danger of the contents spilling. They are so divided that there is plenty of room for plugs, or other artificial bait, hooks, lines, sinkers, etc.

There are two divisions in the bottom of box for reels with ample space, short casting rods, landing net, etc.

No. 616—Length 16 in., width 6 in., height 6 in., equipped with a corbin multiple-change lock, leather handle with steel core, w't per dozen 48 lbs. .....per dozen **$76.00**

Made of steel practical design, having plenty of compartments in the two trays for artificial bait, snelled hooks, lines and sinkers, two compartments in the bottom for reels, bottled bait and other equipment. Watertight and is equipped with a first class lock with strong loop-catch and a genuine leather-handle with steel-core. Finished in a durable, brown, rust-resisting, baked enamel. Electrically welded throughout, not soldered. Also makes a nice shell box.

No. 612—Length 12 in., width 6 in., height 6 in. w't per doz. 48 lbs., per dozen **$60.00**



Combination Rod-Kit and Tackle-Case especially designed for the fisherman who wants a good substantial box in which he can carry full casting equipment, including rods. Equipped with two trays, suitable for carrying at least nine plugs or artifical baits. Ample space for snelled hooks, lines, sinkers, etc., in the tray. Bottom of the Box is divided to accommodate two reels in separate compartments, as well as space for rods, landing net, bottle bait, etc. Equipped with welded corner-irons, side catches, and a strong Corbin multiple-change lock. Finished in a durable brown baked enamel which cannot chip or easily scratch off.

No. 621—Length 21 in., width 6 in., height 6 in. w't per doz. 78 lbs., per dozen **$96.00**

Hibbard
HARDWARE for HARD WEAR

MINNOW BUCKETS

OVAL, NONE-FLOATING

I. X. tin bucket, no cover; inset is made of perforated tin with hinged, perforated, self-locking cover; finished in light green japan with gold striping.

Nos.	806	810
Capacity, qts.	6	8
Length, in.	9¾	10¼
Width, in.	6¼	7¼
Height, in.	8	8¼
W't per doz., lbs.	24	33
Per dozen	$26.70	28.30

LOOSE

ROUND, NON-FLOATING

I C. tin bucket; no cover; inset made of perforated tin with hinged, perforated, self-locking cover; finished in blue japan with gold striping.

Nos.	106	108	110
Capacity, qts.	6	8	10
Diameter, in.	7⅞	8¾	9¼
Height, in.	7¾	8¼	9¼
W't per doz., lbs.	20	23	24
Per dozen	$13 30	14 70	16 00

LOOSE

OVAL, FLOATING

I. X. tin bucket, no cover; inset of galvanized wire, solid at bottom to hold enough water to transfer; hinged, perforated, self-locking cover; finished in green japan with gold striping.

No. 708—Capacity 7 qts., length 10 in., width 7 in., height 8 in., w't per doz. 28 lbs. .....per dozen $36.30

LOOSE

ROUND, SINGLE

JAPANNED

I. C. tin bucket; wired top; sunk, perforated cover with hasp and staple; finished in green japan with gold striping.

No. 108½—Capacity 8 qts., diameter 8¾ in., height 8¾ in., w't per doz. 16 lbs. .....per dozen $11.20

LOOSE

OVAL, SINGLE

GALVANIZED THROUGHOUT

A low-priced bucket, strong, durable and heavily galvanized throughout; sunken ice pan; top double seamed into body, making a very rigid construction. The top is provided with a hinged, perforated, self-locking cover.

No. 908—Capacity 6 qts., length 10½ in., width 7¼ in., height 7⅞ in., w't per doz. 24 lbs., per dozen $20.30

LOOSE

ROUND, FLOATING

I. X. tin bucket, with sunk, perforated cover; hasp and staple; inset of galvanized wire, solid at bottom to hold enough water to transfer; hinged cover; finished in green japan with gold striping.

Nos.	408	410
Capacity, qts.	8	10
Diameter, in.	9¼	9¼
Height, in.	7⅞	9⅛
W't per doz., lbs.	35	40
Per dozen	$25.60	26.70

LOOSE

GAS STOVES

"BLACKSTONE" GAS HOT PLATES

Our great five house buying power enables us to quote prices below others on hot plates. We don't believe you can match these plates within 25% of these prices

6½ in. high, heavy cast iron, **removable flush top plates**, extra large drilled star burners adjustable to any pressure of manufactured or natural gas, brass gas cocks with porcelain handles, ⅝ in. nickel plated manifold and brackets, removable steel drip tray, fitted for hose or pipe connection

Dull Black Japan Finish

1 BURNER 12x12 in. top

2H8319 1 in crate, 12 lbs. Each **$2.35**

Full Nickel Plated

1 BURNER—12x12 in. top.

2H8654—1 in crate, 12 lbs. Each **$2.85**

Dull Black Japan Finish

		Each
2 BURNERS—12x20½ in. top.		
2H4152	1 in crate, 19½ lbs.	$3.85
2H8327	3 " 55 "	3.75
2H8328	6 " 105 "	3.65

Full Nickel Plated

2 BURNER 12x20½ in. top

2H8835 -1 in crate 19½ lbs. Each, **$4.95**

Dull Black Japan Finish

3 BURNERS—(1 giant) 12x33 in. top.

		Each
2H4153	—1 in crate 28½ lbs.	$5.00
2H8329	—3 " 80 "	4.75

Full Nickel Plated

3 BURNERS—(1 giant) 12x33 in top

2H8656 -1 in crate 29½ lbs. Each, **$6.85**

SINGLE BURNER HOT PLATE

2H3408 -6x8 in., plain finish. Sold in any quantity. Each, **40c**

"BELMONT" GAS HOT PLATES

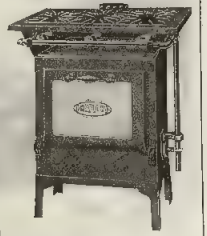
A new improved pattern that gives excellent satisfaction and can be sold at popular prices.

Heavy cast iron, one piece, main top, one piece burners, cored and drilled, valves fitted with black wood handles.

2H3432—2 burners, 9½x17¾. 1 in crate, 18 lbs. Each, **$2.65**

2H8833—3 burners, 9½x23¾. 1 in crate, 24 lbs. Each, **$3.65**

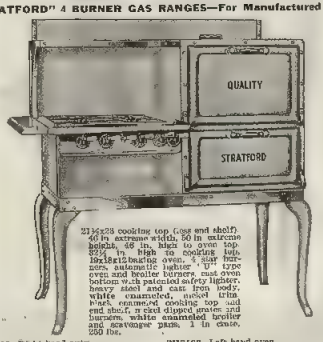
GAS "RANGETTE"



2H8460—33¾ in. high, 13x27½ in. top 12x12⅝x16 white porcelain oven 3 regular star burners and 1 giant burner with adjustable mixer cups, heavy steel construction with cast iron top, finished in baked-on black enamel with nickeled trimmings. 1 in crate, 100 lbs.

Each **$19.75**

"STRATFORD" 4 BURNER GAS RANGES—For Manufactured Gas

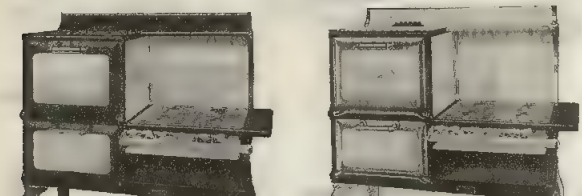


21½x28 cooking top (one end shelf) 60 in extreme width, 50 in extreme height, 46 in. high to oven top, 32½ in high to cooking top, 19x18x12 baking oven, 4 star burners, automatic lighter "U" type oven and broiler burners, cast oven bottom with patented safety lighter, heavy steel and cast iron body, white enameled, nickel trim, black enameled cooking top and end shelf, enameled dipped grates and burners, white enameled broiler and scavenger pans. 1 in crate, 250 lbs.

2H8465—Right-hand oven, Each, **$64,50**

2H8460 Left-hand oven Each, **$64,50**

"BLACKSTONE" GAS RANGES



41 to long, 48 in. extreme height, 31 in. to cooking top, 12x16x18 oven, 9x16x18 broiler, one giant, 3 large and one simmering burner with automatic lighter.

PLAIN FINISH—Polished blue steel body, all cast iron parts finished in egg shell black enamel, oven door panels, 2 splashers, drip and broiler pans white porcelain enameled, oven door handles, splasher guard and manifold nickel plated. 1 in crate, 350 lbs

2H4630 Left-hand oven Each **$49.50**

2H4631—Right-hand oven, " **49.50**

WHITE ENAMELED—Heavy steel body, entire range with exception of ends, finished in white porcelain enamel, four nickel trimmed 1 in crate, 350 lbs.

2H4680 Left-hand oven Each, **$76.50**

2H4681—Right-hand oven " **76.50**

DE LUXE FINISH—Oven and broiler door panels, oven and shelf top 2 splashers, leg, drip and broiler pans white porcelain enameled, oven and broiler door frames and hinges, shelf and corner brackets, splasher guard and manifold nickel plated 1 in crate 350 lbs.

2H4620—Left-hand oven Each, **$64.50**

2H4621—Right-hand oven, " **64.50**

"COLONIAL" GAS LAUNDRY HOT PLATES

Heavy cast iron top with heavy steel legs and steel lower shelf, giant drilled "Star" type burners which provide intense heat necessary for laundry purposes. Large, square removable top plates, can be reversed as desired so that they are slightly higher or flush with the top. Nickel plated brass air cocks with white porcelain handles and large air mixers, nickel plated manifold pipe, legs and lower shelf Jap-black Japanned. 1 in crate

	Burners	Top	Hr. Ship't Wt.	Each
2H8312—2	2	21x10¾	83½ lbs.	$6.85
2H8313	3	31x10¾	93½ "	8.50

WHEN You Want Goods Quick — Order From BUTLER BROTHERS.

"FAULTLESS" WICKLESS OIL COOK STOVES

32 in. high, cabinet frame hard baked, black japanned, decorated, leaded steel burner. 1 gal. leaded steel tank, positive shutoff, perfect combustion. Each tested. Instruction card with each. 1 in crate.

2H3473—2 burners, 14x14 top, 35 lbs.
Each, **$9.50**

2H3478—3 burners, 15x38 top, 45 lbs.
Each, **11.50**

SANITARY BATH TUB, STOVE AND WATER HEATER 3 In One

2H3646—**Bath tub,** heavy steel highly finished in best grade white enamel, fitted with large wood rim, drain connection for pipe or hose waste through floor or wall. Heater, fitted with the famous "Kerogas" burner which burns kerosene, glass oil tank, 10 gal. water tank. Rigo and black enamel finish hanger stand and tank. Tub and heater are separate and heater can be easily moved to kitchen and used for washing, ironing, or cooking. One complete outfit, in crate, 90 lbs.
Each, **$28.50**

"KEROGAS" COMBINATION OIL AND ELECTRIC RANGES

Oil and electric cooking—singly or simultaneously. Attaches to any electric lamp socket—requires no special wiring, no extra cost to install.

2 oil burners, 17 x35 top 39½ in high to cooking top, heavy steel full cabinet style body, baked japan finish, nickeling brass "Kerogas" burners drawn out of one solid piece, leak proof and rustproof fitted with one extra large or "Giant" burner, white porcelain enameled burner drums, efficient wick raiser and regulator, glass oil tank. Thermostatic control or clock attachment makes cooking by electricity automatic. After food is prepared and placed in cooker clock is set for the hour when cooking should begin and stop, the current is then automatically turned on and off at proper time. Breakfast can be cooking while the family sleeps. Heat does not go above 250 degrees nor below 225 degrees. 1 in crate

2H4803—Without high shelf back. . . . . Each, **$74.50**

2H4804—Complete with white porcelain high shelf back. **82.00**

"KEROGAS" CAMP COOK STOVE

2H8325—13½ in high 10½ in diam., black japanned steel body, genuine one piece Kerogas brass burner generator fed from kerosene, blue porcelain enameled burner drum, leaded steel front front opening only prevents drafts from reaching flame ball for carrying. Gives the best possible service for outdoor cooking. 1 in crate, 11 lbs.
Each, **$5.25**

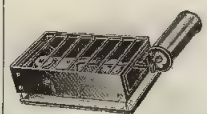
"JUNIOR" GASOLINE STOVES

12 in. high, heated steel frames baked black japan and nicely enameled with gilt stencilling on top. 2 valves to each burner, one shutoff and one needle point valve. Black japanned sheet steel feet, stationary black japanned tank. Wrapped and crated.

2H8542—3 burners, 22x14, 33 lbs.
Each, **$6.50**

2H8543—3 burners, 33x14 39 lbs.
Each, **$8.50**

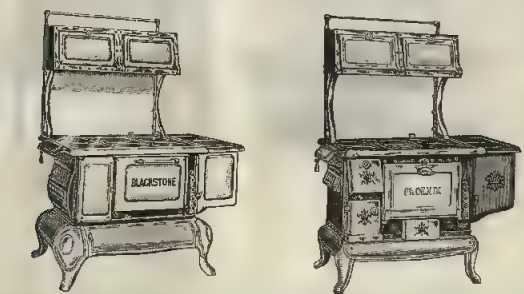
"KAMP KOOK" GASOLINE STOVE



This American stove is known the country over as the greatest ever designed for tourists and campers. It enables tourists to enjoy the convenience, economy and cleanliness of home cooking anywhere.

2H8146—Mfrs. No. 3x, 8x14 in heating surface, black japanned case, 2 good sized burners, heavy nickel plated oil tank holds 1 qt. gasoline enough for 3 hours' service, heavy wire grate, folding legs, complete with pump wrench and full set of directions, folds up into very small space and looks like small black suit case. 12 in carton, 9 lbs. . . . . Each, **$5.50**

STEEL AND CAST IRON RANGES



"BLACKSTONE" CAST IRON RANGES—For hard or soft coal or wood. 18x18x17 oven, six 8 in holes, extra large fire box (7¾x10½), with 7 pieces ventilated fire back of hot blast type. Takes sticks of wood up to 18 in long. Full nickel trim including front base strip and legs. The splasher backs warming closet door panels, oven, feed door, ash door and reservoir front panels are raised white porcelain. 2H1628 has 18 qt. porcelain lined reservoir

2H1628—Without reservoir. 1 in crate 415 lbs.
Each, **$57.50**

2H1528—With reservoir. 1 in crate, 475 lbs.
Each, **$67.50**

"PHOENIX" STEEL RANGES—For coal or wood. 31 in high, 26x38 top, 18x18x12 oven, six 8 in holes, copper bearing semi-cast steel plate body, hand riveted, not affected by expansion or contraction, insulated with asbestos mill board, heavy fire box 1 piece fire back extra heavy cold rolled steel oven nickel base strip and front lock, oven door panel and splasher backs or warming closet are white porcelain enamel.

2H8382—Without reservoir. 1 in crate, 323 lbs.
Each **$64.50**

2H8823—With 18 qt. porcelain lined reservoir. 1 in crate, 398 lbs.
Each **$74.50**

LAUNDRY STOVES

2H8347—"Belmont," large top, large base section, well mounted and substantial, two 8 in holes, short center, swing feed door. For any kind of fuel. 1 in crate 43 lbs.
Each, **$4.25**

2H8348—"Stratford," octagonal fire pot, scroll pattern base and legs, large fire pot, shaker and dump grate, nickel plated ash dumper, swinging pouch feed, full size two 8 in holes with center and covers, can be used for heating and cooking. 1 in crate, 65 lbs.
Each, **$7.25**

Our Prices On Stove Sundries Are Very Low. Turn To a Nearby Page For This Big Value Line.

WRENCHES, GREASE GUNS, ETC.

TOOL KIT

4K9442—"Tourist," 23 pcs., a tailor practically every tool that a tourist could possibly need. Each set is in a handy black roll, with long straps. 20 tools in kit.
KIT (23 pcs.) **$3.75**

"MOSSBERG" 18 PC. SOCKET WRENCH SET

4K9181—For use in cars
14 sockets
1 ratchet handle.
1 extension rod.
1 [illegible]
1 [illegible]
1 spark plug socket.
Each set in wood box
SET (18 pcs.) **$4.75**

"RAY" SOCKET WRENCH SET

4K8381—For general use. 36 pcs.
1 nickeled reversible ratchet handle.
1 Double blade screw driver
1 Long extension.
1 Short extension.
1 [illegible]
1 [illegible]
21 Guaranteed pressed steel sockets as follows:
Hex Sockets — 3/32, 1/8, 5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 13/32, 7/16, 15/32, 1/2, 9/16, 5/8, 11/16, 3/4.
Square Sockets — 3/16, 1/4. Each set in metal box.
SET (36 pcs.) **$6.50**

"MOSSBERG" 50 PC. SOCKET WRENCH SET

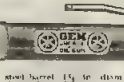
4K9185 — (M Pcs. 16).
Hardened and tempered steel. Set comprises
5 double end fine steel wrenches
1 center pin spreader and screwdriver.
1 double end offset screw driver
22 sizes hexagon sockets.
10 square sockets.
3 spark plug sockets.
1 universal joint.
1 nickeled ratchet bdl.
1 extension
1 pr G fin pliers.
1 offset wrench handle.
1 tee wrench handle.
Each set in 10x15¼ polished wood case.
SET (50 pcs.) **$9.85**

COMBINATION OIL AND GREASE GUN

4K9232 "Gem," steel barrel 15 in diam 7 in long capacity 8 oz., quickly changed from grease to oil by turning lock nut. Each **$11.10**

4K9233—"Jumbo," 2 in. heavy brass cylinder, 15 oz capacity. Each **$1.45**

SPRING COTTER ASSORTMENTS



4K9264—Special assortment containing spring cotters of every size now used in Ford cars, 100 to 110 in screw top box. 1 doz. boxes in pkg.
Doz. boxes. **95c**

4K9265—Assortment consists of the generally used sizes in correct proportion. Total about 100 in screw top glass can. 1 doz. cans in pkg.
Doz. cans **$1.15**

CARBURETORS AND CUT-OUT

"KINGSTON" CARBURETORS

Fuel strainer prevents impurities, dirt and water from being taken into motor, sediment cannot clog needle valve or interfere with operation. 1 in. box

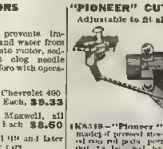
4K9246—For Chevrolet 490
Each. **$9.33**

4K9244—For Maxwell, all models
Each **$8.60**

4K9245—For 1919 and later model Dodge cars
Each. **$10.50**

"PIONEER" CUT-OUT

Adjustable to fit all cars



4K9318—"Pioneer" valve made of pressed steel body and rod all parts ready to screw out. Is heat and rust proof, nickeled and polished
1 in carton Each. **$1.35**

RADIATOR LIQUID, CLEANERS, ETC.

"RADI-NO-LEAK"

4K9300 Approx 1 pt. can stops leaking radiator, eliminates and prevents rust and scale formation, hurtless to all metals. ½ pt. with engine running does the work in 5 minutes..... Can, **35c**

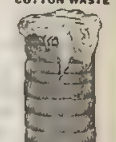
"STICKTITE" GASKET SHELLAC

4K8877—2 oz. bottle, cork top. 1 doz bottles in carton. Doz. **95c**

CARBORUNDUM VALVE GRINDING COMPOUND

4K8979—Carborundum grinding compound for valves, cylinders, pistons, etc. Put up in handy 4 oz. can with sifting top for convenient use. Each can in display box..... Can. **35c**

COTTON WASTE



Carefully selected long thread, special grade for automobile use. Very soft and free from dirt.

4K8468—	1 lb. bag	**$0.20**
4K8465	10 lb bale	**.10**
4K8466—25	" "	**.18**
4K8467—50	" "	**.16**

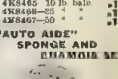
RADIATOR "NEVERLEAK"

4K8452 4¼ oz can, scientifically compounded liquid, stops leaking radiators, preserves and eliminates rust and scale formation, contains no acid, cement or sediment. 1 can in pkg
Can, **35c**

"AUTOSPRAY" WASHING BRUSH

4K9951 18 in long attaches to hose water sprays through perforated brass center tube fine bristle brush in spiral wire frame, brass ornamented wood handle, easily run between wheel spokes 1 in pkg
Each. **$1.45**

"AUTO AIDE" SPONGE AND CHAMOIS SET



4K8580 2 pcs. large cars, 1 sponge, 1 chamois, velvet texture, 10x21 full skin oil tanned chamois, heavy wt. soft finish both sides. 1 set in carton Set. **$1.00**
Lots of 6 sets, " **.95**

"X" RADIATOR LIQUID

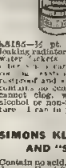
4K8165—½ pt. can, repairs leaking radiators and cracked water jackets of Fords, [illegible] can be used in cars carrying "Pyrene," is neutralized and sealed [illegible] contains no alcohol or [illegible] cannot clog, will work in [illegible] surrounding radiator [illegible] 1 can in pkg
Can **60c**

"SIMONS KLEENER" AND "SIMONIZ"

Contain no acid, alkali, alcohol or oil. Simons "Kleener" prepares car for use of "Simoniz." Simoniz gives a hard dry velvet-like polish.

4K8356 "Simons Kleener" Can **45c**
4K8359 "Simoniz" Can **46c**

"PYRENE" FIRE EXTINGUISHER AND LIQUID



Approved by National Board of Underwriters. Insurance Companies allow 15 per cent reduction on cars carrying "Pyrene."

"Pyrene" Fire Extinguisher—14x8 in brass body, 1 qt. size, filled with "Pyrene" liquid, pump action. 1 in pkg 6 lbs.

4K9303	Brass finish Each	**$8.00**
	Lots of 6 "	**7.80**
4K9304	Nickel finish Each	**$8.80**
	Lots of 6 "	**8.25**

"Pyrene" Liquid 1 qt. can for refilling.

4K9306	1 can in pkg..... Each.	**$1.20**
	Lots of 6. "	**1.12**

HIGH PRESSURE OIL AND GREASE COMPRESSOR

Suitable for all cars equipped with Alemite system

4K9234—Cylinder of brass 8 in long hose screwed in [illegible] metal jacket [illegible] [illegible] which grease or oil is forced to [illegible] equipped with Alemite system. 1 in carton.
Each, **$4.20**

"SERVICE" AUTO OILS AND GREASES

The three weights provide oils sufficiently different in consistency to meet the requirements of any car at any season of the year. "Service" oils and greases are uniform at all times and are all that the name implies.

Light Oil

Size can	In crate	
4K8240—1 gal	1 can	Gal **$0.72**
4K8241 5 "	1 "	" **.58**
4K8242—5 "	1 "	" **.56**

Medium Oil

Size can	In crate	
4K8243—1 gal.	1 can	Gal **$0.74**
4K8244 5 "	1 "	" **.60**
4K8245—5 "	2 "	" **.57**

Heavy Oil

Size can	In crate	
4K8246—1 gal.	1 can	Gal **$0.76**
4K8247 5 "	1 "	" **.63**
4K8248—5 "	2 "	" **.60**

Cup Grease

1 can in crate.

4K8249— 5 lb can	Can.	**$0.85**
4K8250—10 " "	"	**1.50**

Transmission Grease

1 can in crate.

4K8251— 5 lb. can	Can.	**$0.85**
4K8253—10 " "	"	**1.50**

Medium Oil in Drum

4K8252—30 gallons in heavy steel drum, complete with faucet. Price of oil includes cost of drum..... Gal **55c**
(Total $16.50)

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE.

KLAXON HORNS

KLAXON 12-A

This Model has the Same Dependability and Warning Power as the Higher Priced Klaxon. It is Equipped with a Universal Bracket and can be Easily Installed Under the Hood of Any Make of Car. Comes Without Wires or Push Button

	Each
No. K612A—All Black 6 Volts; Weight Each, 6¾ lbs.....**$13.35**	10 00
No. K1212A—All Black, 12 Volts; Weight Each, 6¾ lbs...**13.35**	10 00

One in a Box

FORD MODEL

Can Also be Used on Any Car Having 6 Volts and Single Wire System

	Each
No. K612AF—All Black, Weight Each, 6¾ lbs **$13.35**	10.00

One in a Box

KLAXON 8

This Model is Built on the Same Principles as the Model 12-A, but Slightly Smaller in Size. It is Just as Dependable, as it Gives a Sharp, Powerful Note of Warning, With One Touch of the Button. 4½ inch Diaphram; 7 inch Projector; 11 inches Over All

	Each
No. K8—All Black; 6 Volts; Weight Each, 6 lbs.....**$10.00**	7.50

One in a Box

KLAXON 5—FORD MODEL

Fits All Ford Cars that Come Equipped with Storage Battery. Complete with Bracket Ready to Mount. Wiring, Push Button, Etc. Not Included.

	Each
No. K5F—All Black; 6 Volt; Weight Each, 5 lbs.....**$7 35**	5.50

One in a Box

With Double Wiring System to Fit Any Model Car, Furnished With Regular Flat Bracket.

	Each
No. K5D—All Black; 6 Volts, Weight Each, 5 lbs.....**$7 35**	5 50

One in a Box

KEEPING EVERLASTING AT IT IS A GOOD POLICY IN ITS WAY BUT IT IS NECESSARY TO USE MAIL ORDERS AND HAVE THE GOODS. IT IS THE DOING AND NOT THE THINKING ABOUT IT THAT COUNTS. ORDER BY MAIL TODAY. DONT JUST INTEND TO. THE DEALER WHO KEEPS HIS STOCK OF AUTOMOBILE ACCESSORIES IN SHAPE BY USING MAIL ORDERS IS IN A POSITION TO GIVE HIS TRADE REAL SERVICE.

KLAXON HORNS

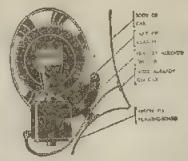
KLAXON 20L

This is the Long Projector Type Horn and the Most Popular and Best Selling Klaxon. Can be Attached to Either Right or Left Hand Side of Car. To Change from Right to Left Hand Side, Remove Cover Screws and Turn to Left. Complete with Push Button and 10 feet of Double Insulated Cord.

	Each
No. K20L—All Black; 6 Volts; Weight Each, 20 lbs.....**$40.00**	30.00

One in a Box

KLAXON 20—CADILLAC



For 1921 and Earlier Cadillac Cars

	Each
No. **K20LC**—All Black; 6 Volts; Weight Each, 20 lbs....**$40.00**	30.00

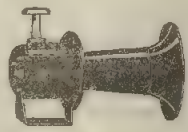
One in a Box

KLAXON 16—CADILLAC

Especially Designed for Use on the Cadillac "61." Compact Sturdy and Powerful—Can be Mounted in Place of Signal Furnished as Original Equipment in a Few Minutes.

	Each
No. K16—All Black; Weight Each, 8½ lbs.....**$33.35**	25.00

One in a Box



KLAXON 3V

Has the True Klaxon Warning Note; Operates on a Vertical Push Rod Principal.

	Each
No. K3V—All Black; Weight Each, 8 lbs.....**$6 65**	5.00

One in a Box

KLAXON 3—MOTORCYCLE

Made to be Used on Motorcycle or Bicycle. Has the True Klaxon Warning Note; Operates by Pressing Push Rod; Short Projector.

	Each
No. K3MF—All Black; with Bracket for attaching to Frame, Weight Each, 5 lbs.....**$6 35**	4 75

One in a Box

Whenever Electric Klaxon Horns are Wanted with Voltage Other than as Shown, We Can Furnish Same by Shipping Direct from Factory

MOTO-METERS

BOYCE

DISTANCE TYPE

For Mounting on Dash Board of Car

This Dashboard Type Boyce Moto-meter is Especially Designed for Installation Where the Radiator Type Instrument Cannot be Installed on a Line With the Operator's Vision, as on Airplanes, Motor-Boats, Stationary Engines, Laboratory Testing Purposes, Trucks, Tractors, and Automobiles. Radium Treated Dials, Making Them Easily Readable at Night. Black Enamel or Nickel-Plated Case (3 1/16 inches in Diameter); Nickel Plated Rings, Beveled Crystals. Temperature Range from 32° to 212° F. Complete with Five Feet of Heavy Tubing, and Hose Coupling or Flange.

	Each
✣No. H—Distance Type; Weight Each, 1½ lbs.....$16.80 One in a Carton	12.00

In Ordering, Always Advise Size of Radiator Hose (Inside Diameter)

MOTO-METERS

BOYCE

SPECIAL NAMEPLATE INFORMATION

We Can Accept Orders From Car Distributors, Dealers and Agents for Universal Model with Car Design Name Plates Only IN ANY QUANTITY. Discounts, Will be Dependent on the Quantity Purchased.

Any Dealer Who Places an Order for Fifty (50) or More Boyce Moto-Meters Any One Model (Excepting Midget or Special Model for Ford), One Delivery and on a Non-Cancellable Order, Will be Furnished with a Special Nameplate Without Extra Charge, Showing the Nameplate Design of the Car, Together with the Dealer's Name and Address.

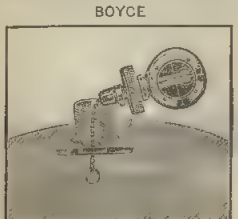
Should the Dealer Handle More than One Make of Car and Not Care to Place a Separate Order for Each Car Design, He Can Procure a Special Nameplate Showing His Name and Address Only.

EXTRA SPECIAL EXCLUSIVE DESIGN NAMEPLATES

We Can Furnish Boyce Moto-Meters with an Exclusive Individual Design Nameplate, Incorporate Any Design or Special Inscription Desired to Any Dealer Who Places an Order for One Hundred (100) or More, Any One Model (Excepting Midget or Special Model for Ford), with One Design of Nameplate, to be Taken in One Delivery.

MOTO-METER LOCKS

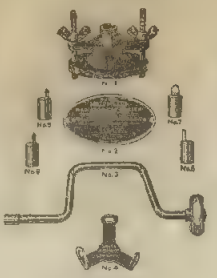
BOYCE



The Schlaich Universal Lock for Boyce Moto-Meters Will Positively Prevent the Theft of the Radiator Cap and Boyce Moto-Meter. It is Simple in Construction, Needs no Key, Can be Installed by Any One in a Few Minutes, as it Requires no Drilling nor Mechanical Work of Any Nature. Permits the Unscrewing of Cap as Usual for Filling of Radiator, but it Does Not Allow its Removal from Car. Consists of Nozzle, Channel Jar, and Ring All Made of Solid Brass, the Nozzle Being Connected to Channel Bar by Flexible Nickel Plated Brass Chain, Making the Entire Device Impervious to Rust.

		Each
No. 2—⅝ inch; for Standard and Universal Models.....	$2.70	1.80
No. 3—⅞ inch; for Junior and Ford Models.....	2.70	1.80
No. 4—Special; for Overland Types..... One in a Carton; Weight Each, 1 lb	2 30	1.50

RADIATOR CAP DRILLERS



BOYCE

Our New Radiator-Cap Driller Outfit Greatly Simplifies the Installation of Boyce Moto-Meters, Making it Easier for You and Quicker for Your Waiting Customer. It Holds the Radiator-Cap Securely Against Rotation, and Enables You to Center the Hole Perfectly. You Run No Risk of Chipping and Splitting the Surface as with the Ordinary Twist Drill. There is a Drill for Every Model. The Outfit Includes:

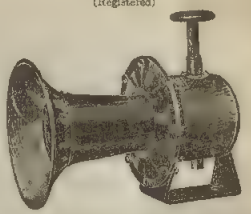
Cap Driller Fixture; Wall Plate (with Full Instructions); Special Brace; Boyce Moto-Meter Wrench; ⅞ inch Drill; ⅝ inch Drill; Overland Reamer; ¾ inch Drill.

	Each
No. BD—Complete Outfit; Weight Each, 5½ lbs..... One in a Carton	$13.00

HAND HORNS

★GOOD SERVICE

(Registered)

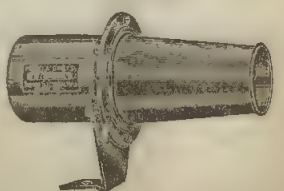


This is a High Grade Hand Horn with Good Lines, Very Penetrating Sound, Well Made and Thoroughly Reliable. Made of Finest Materials by Expert Horn Makers; The Push Rod Works Easily and Smoothly; Internal Gears Hung to Withstand All Jars and Road Shocks Without Damages.

	Each
No. GSH—All Black Enamel, Diameter of Bell, 4¾ inches; Length of Bell, 4½ inches; Length Over All, 8 inches; Weight Each, 5 lbs..... One in a Box	$5.50

ELECTRIC HORNS

TROJAN



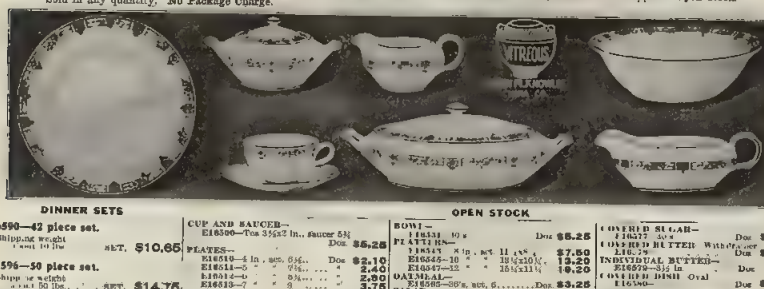
High Torque Motor Insures Quick, Positive Starting; Eliminating "Sticking Motor"; Special Adjustment Feature from Rear Without Removing Cover; Length 5 inches, Equipped with Universal Bracket and Can be Installed on Ford or Any Other Make of Car.

	Each
No. TA—6 Volt; All Black Enameled; Weight Each, 2¾ lbs..... One in a Carton	$6.50

Items Marked ✣ Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory, Long Island City, N. Y.

"PLAZA"

"Edwin M. Knowles" trademarked. First quality semi porcelain. Mayflower paneled shape, hollow ware in cast, light pattern of pink rose and corn flower spray centers, oriental medallions, buff framing, gold edges, tinted handles and knobs, gold line inside cups and base of upright pieces. All pieces tissue wrapped. **Open stock.**



DINNER SETS

E16590—42 piece set.
Shipping weight about 50 lbs. SET. $10.65

E16596—50 piece set.
Shipping weight about 60 lbs. SET. $14.75

E16593—100 piece set.
Shipping weight about 90 lbs. SET. $30.25

CUP AND SAUCER—
E16590—Tea 3½x2 in., saucer 5¾ Doz. $5.25

PLATES—
E16510—4 in., sce. 6¾ Doz. $2.10
E16511—5 " " 8¼ " 2.40
E16512—6 " " 9¾ " 2.80
E16513—7 " " 9 " 3.75
E16516—8 " " 9¾ " 4.60
E16517—Coupe soup, 8 in., sct. 7¾ Doz. $3.50

BAKER—
E16524—7 in., sct. 8¾x6¾ Doz. $6.30

OPEN STOCK

BOWL—
116531 10 in. Doz. $5.25

PLATTERS—
116543 " " sct. 11 ¼x8 " $7.50
E16545—10 " " 13½x10¼ " 13.20
E16547—12 " " 15½x11¾ " 19.20

OATMEAL—
E16585—36's, sct. 6 Doz. $3.25

SALAD—
E16582—7 in., sct. 8¾ Doz. $6.30

SAUCE DISHES—
E16609—4 in., sct. 5¾ Doz. $1.55

CREAMER—
E16576—36's Doz. $6.30

COVERED SUGAR—
116577 36's Doz. $12.60

COVERED BUTTER With drainer
116579 Doz. $19.20

INDIVIDUAL BUTTER—
E16579—3½ in. Doz. $1.05

COVERED DISH Oval
116580 Doz. $22.50

CASSEROLE Round
E16583—7 in. Doz. $25.95

SAUCE BOAT Without stand
116585 7 in. Doz. $8.50

PICKLE DISH—
E16586—9½ in. Doz. $6.30

"MAYFLOWER"

"Edwin M. Knowles" trademarked. Light wt. semi porcelain, hollow pieces, semi translucent and cast gold rose panels on French blue, tan scrolls, rose & blue clusters, gold edges, tinted centers & knobs, gold line on upright pieces & [illegible]. **Open stock** [illegible]. **No Package Charge.**

DINNER SETS

E16490—42 piece set.
Shipping weight about 50 lbs. SET. $10.65

E16496—50 piece set.
Shipping weight about 60 lbs. SET. $14.75

E16493—100 piece set.
Shipping weight about 90 lbs. SET. $30.25

CUP AND SAUCER
E16490 Tea 3½x2 in., saucer 5¾ Doz. $5.25

PLATES
E16410 4 in., sct. 6¾ Doz. $2.10
E16411 5 " " 8¼ " 2.40
E16412 6 " " 9¾ " 2.80
E16414 7 " " 8¾ " 3.75
E16416—8 " " 9¾ " 4.60
E16417—Coupe soup 7 in., sct. 8 Doz. $3.50

BAKER
E16424—7 in., sct. 8¾x6¾ Doz. $6.30

BOWL
E16[illegible] 10 in. Doz. $5.25

OPEN STOCK

PLATTERS—
E16443 8 in. sct. 11¼ Doz. $7.50
E16445 10 " " 13½ " 13.20
E16447 12 " " 15½ " 18.20

SALADS
E16482—7 in. sct. 8¾ Doz. $6.30

OATMEAL
E16465 36's Doz. $3.25

FRUIT—
E16466—4 in., sct. 5¾ Doz. $1.55

CREAMER—
E16476—36's Doz. $6.30

COVERED SUGAR—
E16477 36's Doz. $12.60

COVERED BUTTER With drainer
E16479— Doz. $19.20

INDIVIDUAL BUTTER
E16479 Doz. $1.05

COVERED DISH Oval
E16480 7 in. Doz. $22.50

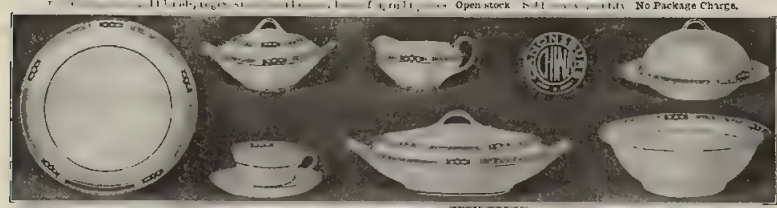
CASSEROLE—Round.
E16483—7 in. Doz. $25.95

SAUCE BOAT—Without stand.
E16485—6x3 in. Doz. $8.50

PICKLE DISH—
E16486—9½x3¾ in. Doz. $6.30

"BERKELEY"

"Canonsburg" trademarked. Light wt. [illegible] semi porcelain, hollow pieces, [illegible] tinted centers & knobs, gold line [illegible] upright pieces. **Open stock** [illegible]. **No Package Charge.**



DINNER SETS

E19790—42 piece set.
Shipping wt. about 50 lbs. SET. Temp Out

E19796—50 piece set.
Shipping wt. about 60 lbs. SET. Temp Out

E19793—100 piece set.
Shipping wt. about 90 lbs. SET. Temp Out

We will quote prices on any combination you think you can sell

CUPS AND SAUCERS
E19790—Tea 3½x3½ in., saucer 5¾ Doz.

PLATES
E19710—4 in. sct. 6¾ Doz.
E19711 5 " " 8¼ "
E19712 6 " " 9¾ "
E19713 7 " " 8¾ "
E19714 8 " " 9¾ "
E19715—Coupe soup 7 in., sct. 8 Doz.

BAKER
E19724 7 in. sct. 8¾x6¾ Doz.

OPEN STOCK

BOWL—
E19751—36's Doz.

PLATTERS—
E19743—8 in., sct. 11x8¼
E19745—10 " " 13½x10¾
E19747—12 " " 15¾x12

SALAD—
E19782—7 in., sct. 8¾ Doz.

FRUIT—
E19766—4 in., sct. 5 Doz.

OATMEAL—
E19765—36's Doz.

CREAMER—
E19776—36's Doz.

COVERED SUGAR
E19777 36's Doz.

COVERED BUTTER—With drainer
E19779 Doz.

INDIVIDUAL BUTTER—
E19779—3½ in. Doz.

COVERED DISH—Oval.
E19780—7 in. Doz.

CASSEROLE—Round
E19783 Doz.

SAUCE BOAT—Attached stand.
E19784 6x3 in. Doz.

PICKLE DISH—
E19786 7¾x3¼ in. Doz.

Composition of Our Dinner Sets

42 Piece Set

6 tea cups	1 bowl 10 in.
6 saucers	1 platter 8 in.
6 plates 4 in.	6 fruits 4 in.
6 plates 5 in.	1 cov'd sugar (2 pcs.)
6 plates 7 in.	1 creamer
1 baker 7 in.	

50 Piece Set

6 tea cups	1 platter 8 in.
6 saucers	1 bowl 10 in.
6 plates 4 in.	1 dish 10 in.
6 plates 5 in.	1 creamer
6 plates 7 in.	1 cov'd sugar (2 pcs.)
6 coupe soups	1 cov'd dish (2 pcs.)
6 fruits 4 in.	

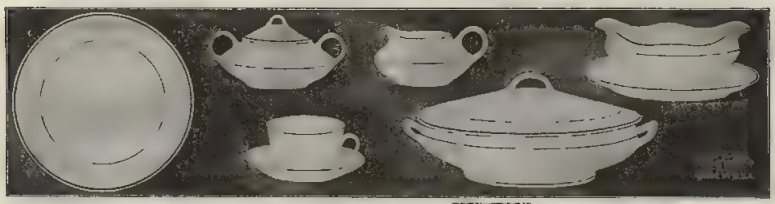
100 Piece Set

12 tea cups	1 baker, 7 in.
12 saucers	1 platter, 8 in.
12 plates 4 in.	1 platter 12 in.
12 plates 5 in.	1 cov'd sugar (2 pcs.)
12 plates 7 in.	1 creamer
12 coupe soups	

1 butter dish (3 pcs.)	
1 casserole (2 pcs.)	
1 cov'd dish 7 in. (2 pcs.)	
1 sauce boat (2 pcs.)	
1 pickle dish	

"ADMIRAL"

"Pope-Gosser" trademarked. Light wt. pure white highly glazed semi-porcelain, selected thirds, gold hairline bands, edges and striped handles, rich Edgemore shape, subject to slight imperfections. Open stock, sold in any quantity. No Package Charge.



DINNER SETS

E17794—31 piece set.
Shipping weight about 30 lbs. ..... SET. **$2.75**

E17795—42 piece set.
Shipping weight about 40 lbs. ..... SET. **$5.15**

E17796—50 piece set.
Shipping weight about 60 lbs. . . SET. **$7.25**

E17793—100 piece set.
Shipping weight about 90 lbs. ..... SET. **$14.95**

For composition of sets see next page.

OPEN STOCK

CUPS AND SAUCERS—
E17700—Tea 3½x2 in., saucer 5½ " Doz. **$2.25**
E17702—Oxide 3½x2½ in., saucer 6 in. Doz **$2.25**
E17703 Coffee 3½x2½, saucer 6 " Doz **$2.08**

PLATES—
E17710 6 in. act. 6 Doz. **$1.05**
E17711 7 " " 7 " **1.75**
E17712 8 " " 8 " **1.40**
E17713 9 " " 9 " **1.80**
E17714 10 " " 9½ " **2.20**
E17717 Coupe soup, 7 in., act. 8½ Doz **$1.80**

BAKER—
E17724—7 in., act. 9½ Doz **$3.10**

BOWL—
E17731—30 s Doz **$2.66**

PLATTERS—
E17743—8 in., act. 10½ . Doz. **$3.60**
E17745—10 " " 12½ . " **5.40**
E17747—12 " " 14½ . " **8.40**

SALAD—
E17763—7 in., act. 8½ Doz. **$3.10**

FRUIT—
E17760—4 in., act. 4¾ . Doz. **$0.78**

OATMEAL—
E17765—36's Doz **$1.80**

CREAMER—
E17770—30's Doz. **$3.85**

COVERED SUGAR—
E17777—30's Doz **$7.05**

COVERED BUTTER—With drainer
E17738— Doz. **$9.25**

COVERED DISH—Oval.
E17780—7 in Doz **$12.50**

CASSEROLE—Round.
E17783—7 in Doz **$12.50**

SAUCE BOAT—Attached stand
E17784—7x4½ in ..... Doz **$10.75**

PICKLE DISH—
E17786—8¾x5 in... .... Doz **$3.10**

"EDGEMORE"

"Pope-Gosser" trade marked. Light wt. pure white semi-porcelain, plain shapes, faint rib border, pink rose cluster between gray dotted lines, gold edge and inner band, triple gold stripe handles, gold line base on upright pieces, inside cups and inner line on saucers. Open stock, sold in any quantity. No Package Charge.

DINNER SETS

E17490—42 piece set.
Shipping wt. about 40 lbs. SET. **$10.95**

E17496—50 piece set.
Shipping weight about 50 lbs. SET. **$15.15**

E17493—100 piece set.
Shipping wt. about 90 lbs. SET. **$31.25**

For composition of sets see next page.

OPEN STOCK

CUPS AND SAUCERS—
E17490—Tea 3½x3 in., saucer 5½ Doz **$5.25**
E17492—Oxide tea 3½x2½, saucer 5½ Doz **$5.25**

PLATES—
E17410—5 in. act. 6½ Doz **$2.10**
E17411—7 " " 8½ " **2.40**
E17412—9 " " 9½ " **2.90**
E17413—8 " " 9½ " **3.75**
E17414—8 " " 10½ " **4.50**
E17415—Coupe soup, 6 in. act. 8 " **$3.60**

BAKER—
E17424—7 in., act. 9½ Doz **$6.30**

BOWL—
E17431 30's Doz **$5.25**

PLATTERS—
E17443—8 in. act. 10½ Doz. **$ 7.20**
E17445—10 " " 13 " **10.50**
E17447—12 " " 15 " **16.20**

SALAD—
E17452—7 in., act. 9½ Doz. **$6.30**

FRUIT—
E17460—4 in., act. 5¼ . Doz **$1.60**

OATMEAL—
E17466—36's. . Doz **$3.25**

CREAMER—
E17470—36's. Doz. **$7.90**

COVERED SUGAR—
E17477 30's . . . . Doz. **$14.50**

COVERED BUTTER—With drainer.
E17478—. . . . . Doz **$18.90**

INDIVIDUAL BUTTER—
E17479—3½ in Doz. **$1.05**

COVERED DISH—Oval.
E17480—7 in., act. 10 Doz **$26.20**

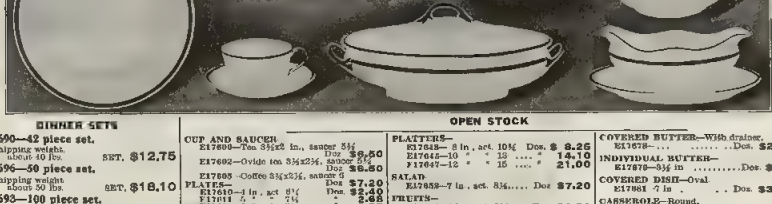
CASSEROLE—Round
E17483—7 in. Doz **$25.20**

SAUCE BOAT—Attached stand
E17484—6¾x4¼ in. Doz **$22.10**

PICKLE DISH—
E17486—8½x5 in . Doz. **$6.30**

"DE LUXE"

"Pope-Gosser" trademarked. Light wt. thin near china, clear glaze, reproductions of the French derby shapes. Compares with best European china. Coin gold band edges, plain shape plates and fruits with French foot, cups with coin gold verge line. Open stock, sold in any quantity. No Package Charge.



DINNER SETS

E17690—42 piece set.
Shipping weight about 40 lbs. SET. **$12.75**

E17696—50 piece set.
Shipping weight about 50 lbs. SET. **$18.10**

E17693—100 piece set.
Shipping weight about 90 lbs. SET. **$36.95**

We will quote prices on any composition you think you can sell

OPEN STOCK

CUP AND SAUCER—
E17600—Tea 3½x2 in., saucer 5½ Doz. **$6.50**
E17602—Oxide tea 3½x2½, saucer 5½ Doz **$6.50**
E17605 Coffee 3½x2½, saucer 6 Doz **$7.20**

PLATES—
E17610—5 in., act. 6½ Doz. **$2.40**
E17611—7 " " 7½ " **2.65**
E17612—9 " " 8½ " **3.25**
E17613—7 " " 9 " **4.10**
E17614—8 " " 10½ " **4.95**
E17617—Coupe soup, 7 in., act. 8½ Doz **$4.10**

BAKER—
E17624—7 in., act. 9½ Doz **$7.20**

BOWL—
E17631—30's Doz **$6.00**

PLATTERS—
E17643—8 in., act. 10½ Doz. **$ 8.25**
E17645—10 " " 13 .... " **14.10**
E17647—12 " " 15 .... " **21.00**

SALAD—
E17653—7 in., act. 8½..... Doz **$7.20**

FRUITS—
E17660—4 in., act. 5½. ...Doz. **$1.80**

CREAMER—
E17670 36's Doz. **$9.60**

COVERED SUGAR—
E17677—36 s. .Doz. **$17.75**

COVERED BUTTER—With drainer.
E17678—. . . . . Doz. **$23.10**

INDIVIDUAL BUTTER—
E17679—3½ in .....Doz. **$1.15**

COVERED DISH—Oval
E17681—7 in . . . Doz. **$30.95**

CASSEROLE—Round.
E17683—7 in.... ..... Doz **$30.95**

SAUCE BOAT—Attached stand.
E17684—6¾x4¼ in. .Doz. **$24.75**

PICKLE DISH—
E17686—8½x5 in Doz. **$7.20**

PARKING LAMPS

K-D

Made from Cast Aluminum, Highly Polished, Constructed in Two Pieces, Base Attached to Fender with Screws

With Cut Jewels, Ruby in Rear, Crystal in Front; Off-and-On Switch in Base of Lamp; 6-8 Volt, 2 Candle Power Double Contact Bulb.

Height, 2½ inches; Length, 1¾ inches

Each

No. 27PL—Diameter of Cut Jewels, ⅛ inch; Weight Each, ½ lb... **$3.50**

One in a Carton

DE LUXE MODEL

On and Off Switch, Located on Base of Lamp; Black Enamel Body, Body Drawn in One Piece from Heavy Gauge Metal, Nickel Plated Bands.

Special Semaphore Lens, Beehive Type, Crystal in Front, Ruby in Rear; Complete with Wire, Switch and 6-8 Volt, 2 Candle Power Bulb

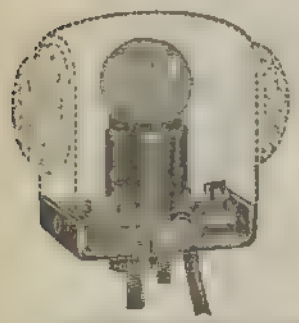
Each

No. 26PL—With Switch in Base; Double Contact with Bulb. . . . $4 00

No. 126PL—Without Switch, Double Contact with Bull 4 00

One in a Carton; Weight Each, ¾ lb.

TIFFANY



The Tiffany Parking Lamp is Small, Neat and When Installed has the Appearance of Being "Built Into" the Fender. Fits Flush with the Fender and Mounting Screws and Connections are Concealed.

Has a heavily Assembled Enameled Swivel Supported Ground Lenses: White in Front, Ruby in Rear. Complete with 2 Candle Power 6-8 Volt Double Contact Bulb.

Each

No. TB—Black Enameled..... **$1 70**

No. TN—Nickel Plated..... **1.90**

One in a Carton; Weight Each, 2 ozs.

STOP LIGHTS

STOP-SIGNAL

Stop Signaling Devices to be Mounted on Rear of Car; Controlled by a Cable Attached to Foot Brake, Which in Turn, Operates an Electric Pull Switch; Complete with Pull Switch, Wire, Tape—Ready to Install When Brake is Applied Bulb is Lighted, Displaying the Word "STOP".

Each

No. STOP—Signaling Lamp Weight $3 00

One in a Box

EXTRA PARTS FOR ABOVE

No. SS—Extra Switch for Stop Signals. . . . . $0 [illegible]

No. SG—Extra Glass with Word "Stop".. 90

Loose

STOP LIGHTS

GUARDIAN

The Guardian Light is Easily Attached to Any Car in a Few Minutes.

Its Distinctive Oval Shape Eliminates the Possibility of Mistaking it for a Round Tail Light.

The Lamp Body is of Steel with Baked Enamel Finish The Switch is of the Plunger Type and is Enclosed in a Dust-Proof Non-Corrosive Housing.

The Reflector is Made of Brass and Heavily Silver Plated and Polished, Furnished with 6 Volt 21 C P Mazda Bulb, Switch Wire and Connectors.

Each

No. G—Black Enameled, Single Wire; Weight Each, 1 lb.....**$7.50**

One in a Box

BEACON

This is the Latest Style Stop Light that Harmonizes with the Drum Shaped Lamps of Late Model Cars; Lenses is of Marine Hardened Glass Colored to Give a Bright Ruby Glow, Reflector Made of Pure Brass with Nickel Silvered Rim, Highly Nickel Plated.

STOP-LITE

Complete with Bulb, Switch, Armored Cable.

Each

No. 500—6-8 Volt Bulb; Weight Each, 1¾ lbs.....**$7 00**

One in a Box

PARKING AND STOP-LITE

Complete with Two Bulbs, Two Switch, Armored Cable.

Each

No. 600—Two 6-8 Volt Bulbs; Weight Each, 2¼ lbs... . . . . **$9 50**

One in a Box

COMBINATION STOP SIGNAL AND TAIL LAMP

Designed to Fit on the Ordinary Tail Lamp Bracket and a License Bracket is Furnished with It. The Lens and Bull's Eye Being Moulded from One Piece of Prism Plate, Ruby Glass 4 inches in Diameter. The Stop Signal and Tail Lamp Units Operate Independently of Each Other.

Complete with Two Bulbs, Switch, Wire, Ready to Install.

Each

No. D1700—6 Volt, Single Wire [illegible] Weight [illegible] $5.50

One in a Carton

Ladies' Black and White Cameo Rings

QUALITY GUARANTEED. PRICES EACH.

No 3562 14k .. $15.50
Black and white cameo. White gold engraved top. Green gold shank. Sizes 4 to 7.

No 3563 14k .. $14.25
Black and white cameo. 18k white gold engraved top. Green gold shank. Sizes 4 to 8.

No 3564 14k .. $11.25
Black and white cameo. 18k white gold engraved top. Green gold shank. Sizes 4 to 8.

No 3565 14k .. $11.25
Black and white cameo. White gold top. Green gold shank. Sizes 4 to 7.

No 3566 14k .. $10.50
Black and white cameo. 14k white gold engraved top. Green gold shank. Sizes 4 to 8.

No 3567 10k .. $9.00
Black and white cameo. Green gold. Sizes 4 to 8.

Ladies' Coral, Cornelian and Pink Shell Cameos

PRICES EACH

No 3568 .. $56.15
English finish. 18k green gold leaves. 2 fine real diamonds. Real coral cameo.

No 3569 14k .. $54.00
Rose gold finish. Heavy. 2 fine real diamonds. Fine real coral cameo.

No 3570 10k .. $29.25
Rose gold finish. Heavy. Fine real coral cameo.

No 3571 10k .. $22.50
English finish. Fancy pierced. Green gold ornaments. Fine real coral cameo.

No 3572 .. $21.25
English finish. Heavy. Fine real coral cameo.

No 3573 14k .. $21.85
Rose gold finish. Fine real coral cameo.

No 3574 14k .. $20.25
Rose gold finish. Heavy. Fine real coral cameo.

No 3575 10k .. $20.25
Rose gold finish. Fine real coral cameo.

No 3576 10k .. $15.30
Fancy pierced. English finish. Green gold ornaments.

No 3577 10k .. $13.90
English finish. Hand engraved. Fine real coral cameo.

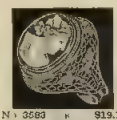
No 3578 10k .. $10.45
English finish. Fine real coral cameo.

No 3579 .. $8.25
Fancy pierced. English finish. Fine real coral cameo.

No 3580 10k .. $7.95
English finish. Fine real coral cameo.

No 3581 10k .. $20.15
Green gold finish. Filigree mounting. Fine real pink shell cameo.

No 3582 10k .. $12.90
Polished green gold filigree mounting. Real brown shell cameo.



No 3583 .. $12.10
English finish. Filigree mounting. Raised green gold ornaments. Real brown shell cameo.

No 3584 14k .. $18.75
English finish. Filigree mounting. Raised white gold ornaments. Brown shell cameo.

No 3585 14k .. $17.25
Green gold finish. Fancy pierced. Fine real cornelian cameo.

No 3586 10k .. $17.25
Green gold filigree mounting. Fine real pink shell cameo.

No 3587 .. $16.30
Polished green gold hand made filigree mounting. Real pink shell cameo.

No 3588 10k .. $16.30
Polished green gold mounting. Real pink shell cameo.

No 3589 10k .. $14.05
English finish. Real pink shell cameo.

No 3590 14k .. $11.95
18k matched green gold top. Real pink shell cameo.

No 3591 10k .. $9.35
English finish. Hand engraved. Fine real pink shell cameo.

No. 3592 10k....$10.25
English finish. Pierced mounting. Fine real pink shell cameo.

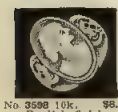
No 3593 14k .. $10.15
English finish. Fancy pierced mounting. Fine real pink shell cameo.

No 3594 10k .. $8.00
English finish. Pierced mounting. Fine real pink shell cameo.

No 3595 10k.....$8.00
English finish. Fine real pink shell cameo.

No. 3596 10k... $8.00
English finish. Hand engraved. Fine real pink shell cameo.

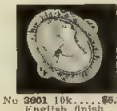
No. 3597 10k....$8.10
English finish. Green gold ornaments. Fine real pink shell cameo.



No 3598 10k. $8.25
English finish. Pierced mounting. Green gold ornaments. Fine real pink shell cameo.

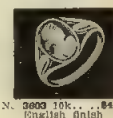
No 3599 14k .. $6.75
English finish. Fine real pink shell cameo.

No 3600 10k.
English finish. Real pink shell cameo.



No 3601 10k.....$6.30
English finish. Fine real pink shell cameo.

No 3602 10k.... $4.80
English finish. Real pink shell cameo.



No. 3603 10k....$4.20
English finish. Real pink shell cameo.

12 Size Lancet Pocket Watches

The Lancet Men's Watches are sold either in handsome display cases with colored card bearing retail price and description, or separately in cardboard boxes.

They are the Standard 12 size in 10, 20 or 25 year gold filled plain cases; 7, 15 or 17 jewel adjusted movements, Breguet hairspring.

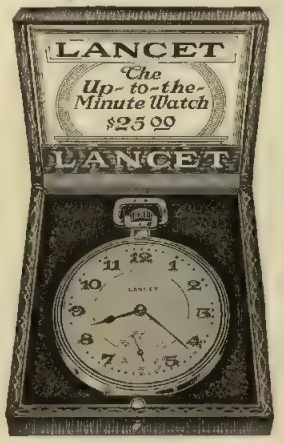
12 Size, Round, Screw Back and Bezel Case, White Dial.

No. 1654	10 yr. case, 7 jewel movement	$15.90
No. 1655	20 yr. case, 7 jewel movement	19.30
No. 1656	20 yr. case, 15 jewel movement	21.60
No. 1657	20 yr. case, 17 jewel movement	24.10

12 Size Lafayette Pattern Hinged Cases, White Dial.

No. 1662	20 yr case 15 jewel movement.	$22.70
No. 1663	25 yr. green case, 15 jewel movement	25.90
No. 1664	20 yr case, 17 jewel movement	25.30
No. 1665	25 yr green case, 17 jewel movement	28.50

Add for silver plated dials with gold raised figures, $1.20



12 Size Watches Complete in Box With Description and Retail Price on Card

No. 1666	10 year round S. B. & B. case, 7 jewel movement. Retail price, $16.00	$19.30
No. 1667	20 year round S. B. & B. case, 7 jewel movement. Retail price, $19.00	22.60
No. 1668	20 year round S. B. & B. case, 15 jewel movement. Retail price, $21.00	25.00
No. 1669	20 year round S. B. & B. case, 17 jewel movement. Retail price, $23.00	27.50
No. 1670	25 year green Lafayette model hinge case 15 jewel movement. Retail price $25.00	29.30
No. 1672	25 year green Lafayette model hinge case, 17 jewel movement. Retail price, $27.50	31.90
No. 1671½	14k, 25 year white gold filled, 15 jewel movement border engraved Lafayette model silver raised figure dial	35.40
No. 1671½	14k, 25 year white gold filled, 17 jewel movement border engraved Lafayette model, silver raised figure dial	38.10

12 Size, Round, Screw Back and Bezel Case, Silver Raised Figure Dial.

No. 1658	10 yr. case, 7 jewel movement.	$17.30
No. 1659	20 yr case, 7 jewel movement.	20.50
No. 1660	20 yr. case, 15 jewel movement	22.90
No. 1661	20 yr case, 17 jewel movement	25.40

12 Size, Round, Screw Back and Bezel Cases, Two-colored Gilt and Silver Dials.

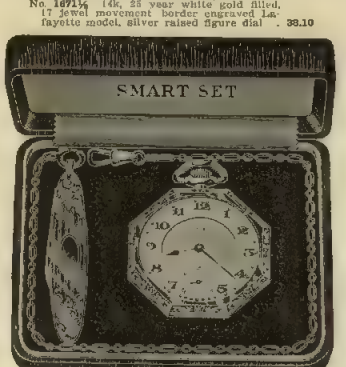
No. 1672	10 yr case, 7 jewel movement	$16.50
No. 1673	20 yr case 7 jewel movement	19.80
No. 1674	20 yr case, 15 jewel movement	22.20
No. 1675	20 yr case, 17 jewel movement.	24.70

12 Size, Octagon Case, Snap Back, White Dials.

No. 1676	20 year case, 7 jewel movement	$24.70
No. 1677	20 year case, 15 jewel movement	27.10
No. 1678	20 year case, 17 jewel movement	29.70

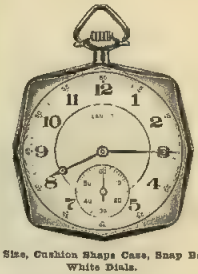
Add for silver plated dials with gold raised figures, $1.30

Add for two-colored dials, silver ring and gold center, 60 cents



12 Size, 10 Year, White Gold Filled, Octagon or Round Case, Knife and Chain Set

No. 1679	12 size, 10 year, white gold filled octagon engraved case, 7 jewel movement, silver raised figure dial, with platinum plated knife and chain in steel box.	$28.00
No. 1680	12 size, 10 year, white gold filled round case, 7 jewel movement, silver raised figure dial, with platinum plated knife and chain in steel box.	$23.80
No. 1681	12 size, 10 year, white gold filled round engraved case, 7 jewel movement, silver raised figure dial, with platinum plated knife and chain in steel box.	$24.60



12 Size, Cushion Shape Case, Snap Back, White Dials.

No. 1682	20 year case, 7 jewel movement	$24.70
No. 1683	20 year case 15 jewel movement	27.10
No. 1684	20 year case 17 jewel movement	29.70

Add for silver plated dials with gold raised figures, $1.30

Add for two-colored dials silver ring and gold center, 60 cents

ENGINES

LAUSON "FROST KING" GASOLINE ENGINES

UNIFORMITY

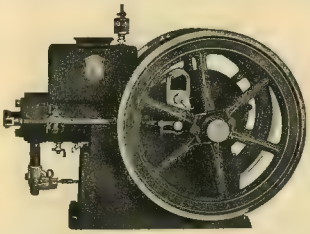
Only one grade of Lauson Engine is made and **Best Quality** rather than rapid production is the chief aim of the makers.

SIMPLICITY

A minimum number of parts means great **Wearing Qualities** and convenience in repairing.

EFFICIENCY

Lauson Engines use all possible fuel energy at all speeds with the least heating of the cooling water.



RELIABILITY

Lauson Engines are so built that they require little attention while operating. They need no coaxing to do their work promptly and properly.

DUPLICATION OF PARTS

Every part of a Lauson Engine is made according to a Jig or Template and Perfectly fitting Repair Parts can be furnished promptly. These Parts require no special fitting or adjustment.

When buying a Gasoline Engine, there are Five Cardinal Points to be looked for:
UNIFORMITY, SIMPLICITY, EFFICIENCY, RELIABILITY, DUPLICATION OF PARTS
Lawson Engines measure fully up to requirement in every one of these

MAGNETO

The **Sumpter Magneto** is firmly attached to the Frame and the Engine starts direct from the Magneto with a Half-turn of the Wheel.

FUEL TANK

The Fuel Tank of the Self-Contained Type is located in the Base of the Engine thereby reducing Floor Space to a Minimum.

"FROST KING" STATIONARY SELF-CONTAINED GASOLINE ENGINES

No.	Size	Dia. Pulley	Face Pulley	R.P.M.	Floor Space	Shipping Wt.	Price
11-B	3½ H.P.	6 in.	4 in.	475	42x30	650 lbs.	$340.00
11-C	6 H.P.	12 in.	6 in.	450	49x34	975 lbs.	$80.00

SEMI-PORTABLE ENGINE

Lauson "Frost King" Gasoline Engine Mounted on Skids

This Engine is of the same type as the larger Engines illustrated on this page with the exception that it is minus the stationary base.

It is mounted on skids to facilitate movement from place to place.

No.	Size	Pulley	R.P.M.	Shipping Weight
6A	2-H.P.	5x4	500	300 lbs.

No. 6A Semi-Portable Engine — **Each $190.00**
Burns Gasoline

BABBIT METAL

Name	Per Pound
C. B.—Babbit For Slow or Medium Speed Machinery	$0.44
Frost King A Hard Copper-Tin Babbit Runs Cool under High Speed	.70
Genuine "A" A Tough Copper-Hardened Babbitt for High Speed	1.26

SOLDER

50-50 Solder	$0.66
45-55 Solder	.60

BABBIT LADLES

Malleable Iron	A	B	C	D
No. 7800	3	4	5	6
Dia. Bowl	12¼	12¾	14¼	15¼
Length Handle	2	4	7	12
Capacity, lbs.	$0.54	0.60	1.08	1.26
Price Each				

HAMMERLESS DOUBLE BARREL SHOT GUNS

ITHACA

Field Grade.

Barrels—Blued smokeless steel, double thick nitro breech, both barrels full choke or left full choke and right modified choke bored, matted hollow ground rib with bolted extension, plain extractor.

Stock—Black walnut, good color, well finished, half pistol grip, hand checkered stock and fore-end, ornamented rubber butt plate.

Frame—Case hardened, automatic safety and all locks forged from same steel as used on higher grade guns, mechanical construction is the same blued guard.

No. 59—12 gauge, 30 or 32 in. barrel, w't 6½ to 8½ lbs., each $62.40

No. 1659—16 gauge, 28 or 30 in. barrel, w't 6½ to 7 lbs., each $62.40

No. 2059—20 gauge, 28 or 30 in. barrel, w't 5½ to 6¾ lbs., each $62.40

Barrels—Imported nitro blued steel barrels, both choked, matted hollow ground rib, locking bolt extension, plain extractor.

Stock—Black walnut and fore-end checkered, full pistol grip, capped, ornamented rubber butt plate.

Frame—Case hardened, automatic safety catch, blued guard, frame top lever, fore-end iron and guard line engraved.

No. 61—12 gauge, 30 in. barrel, w't 7½ to 8 lbs., each $79.10

LE FEVER "NITRO SPECIAL"

The new LeFever "NITRO SPECIAL" is a well finished, medium priced, double barrel, hammerless shot gun. Built to shoot right and to stand as much use as is required of a good gun. Fitted with non-breakable coil springs. Stock is securely fastened to frame with a draw bolt running up through grip of stock to frame. Top snap may be tripped by simply pressing down with thumb, on a trip pin which comes up through face of frame. Will be FURNISHED only in following STANDARD specifications:

12 gauge, 28 in., weighing about 7½ lbs.
12 gauge, 30 in., weighing about 7 lbs. 10 ozs.
16 gauge, 28 in., weighing about 6¾ lbs.
20 gauge, 28 in., weighing about 6¼ lbs.
Right barrel, modified choke; left barrel, full choke.

Standard length of stocks 14 in., with 2⅝ in. drop at heel. Every gun is proof-tested with an extreme load. The locks for this new LeFever were designed by the best gun maker in America.

No. 15—12 gauge, 28 in. or 30 in., w't about 7½ to 7 lbs. 10 ozs. .....each $46.50
No. 2015—20 gauge, 28 in., w't about 6¼ lbs., each 46.50
No. 1615—16 gauge, 28 in., w't 6¾ lbs. .....each 46.50

IVER JOHNSON

Barrels—Special steel, browned, with top-bolt extension and re-enforced drop forged steel breech, finely matted flat-top rib; 30 in. left barrel full choke, right barrel modified choke bored, 32 in. both barrels full choke bored.

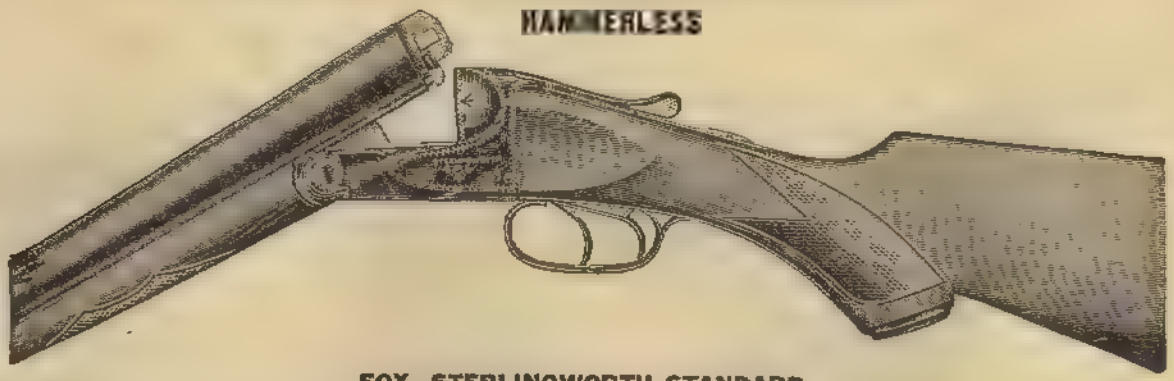
Stock—English black walnut, with pistol grip,, carefully machined, shaped, checkered and hand-finished, 14 inch with about 3 inch drop, genuine hard rubber butt plate.

Frame—Case hardened steel of high tensile strength, the design of the frame which, is of the heavy breech type, is such that the interior rear portion of the breech wall is re-enforced by a heavy vertical wall of metal, solid with the frame itself. This construction adds unusual strength to the frame at the point of greatest strain. Top snap action with new top-bolt barrel fastening, the bolt has a firm bearing on the entire area of the barrel extension, which, in itself, is a part of the solid steel forged breech of the barrels, and provides an unusually strong and substantial barrel fastening. Has coil mainspring incased within the solid wall of the sides of the frame and completely protected from friction and so mounted as to provide a uniformly strong, smooth and even action when in operation. All working parts are drop forged, accurately machined.

No. 65—12 gauge, 30 or 32 in. barrel, w't about 7 lbs., each $48.00

FOX DOUBLE BARREL SHOT GUNS

HAMMERLESS



FOX, STERLINGWORTH STANDARD

Barrels—Sterlingworth fluid compressed steel, both barrels full choke bored.
Stock—American walnut full pistol grip, capped and checkered, length 14 in., drop at heel 2¾ in, hard rubber butt plate, patent snap, fore-end checkered.
Frame—Has all FOX features.

No. 75S—12 gauge, 30 in. barrels, **plain extractor,** w't 7⅛ to 7¼ lbs. ..... each $ 80.00
No. 75SE—12 gauge, 30 in. barrels, **automatic ejector,** w't 7⅛ to 7¾ lbs. ..... each 101.30
No. 1675S—16 gauge, 30 in. barrels, **plain extractor,** w't 6¼ to 6½ lbs. ..... each 80.00
No. 1675SE—16 gauge, 30 in. barrels, **automatic ejector,** w't 6¼ to 6½ lbs. ..... each 101.30
No. 2075S—20 gauge, 28 in. barrels, **plain extractor,** w't w't 5⅝ to 6¼ lbs ..... each 80.00
No. 2075SE—20 gauge, 28 in. barrels, **automatic ejector,** w't 5⅝ to 6¼ lbs. ..... each 101.30

FOX, STERLINGWORTH FIELD

Barrel—Sterlingworth fluid compressed steel, left barrel full choke, right barrel modified choke bored.
Stock—American walnut, full pistol grip, capped, length 14 in., drop at heel 3 in, hard rubber butt plate, patent snap fore-end.
Frame—Has all FOX features.

No. 75F—12 gauge, 28 in. barrel, **plain extractor,** w't 6¾ to 7 lbs. ..... each $ 80.00
No. 75FE—12 gauge, 28 in. barrels, **automatic ejector,** w't 7⅛ to 7¾ lbs. ..... each 101.30
No. 1675F—16 gauge, 28 in. barrels, **plain extractor,** w't 6 to 6½ lbs. ..... each 80.00
No. 1675FE—16 gauge, 28 in. barrels, **automatic ejector,** w't 6⅛ to 6⅝ lbs. ..... each 101.30
No. 2075F—20 gauge, 28 in. barrel, **plain extractor,** w't 5¾ to 6 lbs. ..... each 80.00
No. 2075FE—20 gauge, 28 in. barrel, **automatic ejector,** w't 5¾ to 6 lbs. ..... each 101.50

FOX

Barrels—Genuine compressed fluid steel, concave matted rib with rotary extension, any bore desired.
Stock—Handsome dark English walnut straight or pistol grip, hard rubber butt plate, automatic safety, Deeley and Edge pattern fore-end, perfectly balanced.
Frame—Engraved and finished in every detail.

No. F7AF—12, 16 or 20 gauge, 26 28, 30 or 32 in. barrel, **plain extractor,** w't 6½ to 8 lbs.★ ..... each $104.00
No. F7AFE—12, 16 or 20 gauge, 26, 28, 30 or 32 in. barrel, **automatic ejector,** w't 6½ to 8 lbs ★ ..... each 125.30

Barrels—Genuine compressed fluid steel tested and guaranteed for strength and accurate shooting qualities, concave matted rib with rotary bolted extension, any bore desired.
Stock—Selected curly dark English walnut, grain beautifully brought out in finish, solid rubber butt plate, automatic safety, Deeley and Edge pattern fore-end, extra fine diamond pattern checkering on grip, panels, and fore-end.
Frame—Engraving is work of an artist, it stands out clear and beautiful in design.

No. F7CFE—12, 16 or 20 gauge, 26, 28, 30 or 32 in. barrels, **automatic ejector,** w't 5¼ to 8 lbs.★ ..... each $196.40

SINGLE TRIGGER MECHANISM

No. F7FK—Fox-Kautzky, fitted to any grade Fox gun, new or old, additional★ ..... each 55.20

★ Items Marked Thus ★ are Shipped from Factory Only.

WATCHES—Popular Prices

New "Despatch" Watch

Nothing on the market like it

The special features in this watch are found only in higher grade watches.

J7300—"Despatch" 14 size, open face, polished nickel case, Band carved effect, narrow border white dial, arabic numerals, moon hands, antique crown and bow, stem wind and set, white glass beveled crystal, guaranteed high grade American movement. 1 in box

Lots of 6, Each, **$1.10**
Lots of 12, Each, **$1.05**
Lots of 50, Each, **$1.00**

"MENTOR" AND "UNCLE SAM" WATCHES

J7236 "Mentor," 16 size, open face, high grade 7 jewel polished nickel plated case, stem wind and set, white dial, 5 minute numerals in red, white glass beveled crystal, guaranteed. 1 in box
Each, **85c**

J7251 "Uncle Sam" 16 size, open face, nickel finish case, each in individual box. 12 in carton
Each, **90c**

INGERSOLL WATCHES

The best known, strongest advertised popular price timepiece on the market

J7252 "Yankee," 10 size, open face, nickel finish case, each in individual box. 12 in carton
Each, **$1.27**

J7253 "Yankee" Radiolite 16 size, open face, nickel finish case, each in individual box. 12 in carton
Each, **$1.80**

J7258 "Junior" 12 size, open face, nickel finish case, each 12 in individual box.
Each, **$2.22**

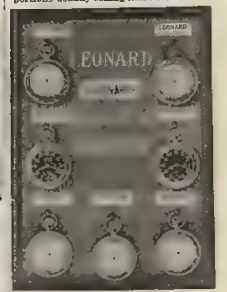
J7284 "Waterbury" 12 size, open face, nickel case, [illegible] in carton
Each, **$3.15**

J7285 "Reliance" 12 size, open face, solid nickel case, 7 jewel bridge model movement, full plate, each in individual box. 12 in carton
Each, **$4.40**

"LEONARD" POPULAR PRICED WATCH ASSORTMENT

Free Display Fixture

This assortment contains the big sellers of the Leonard line assorted in the proportions usually selling most evenly.



J7249—[illegible] American made 16 size watches, fully guaranteed, consisting of

6 nickel finish engraved	$2.00
6 solid composition gilt metal, engraved	1.00
6 light watches, full radium numerals and hands), nickel finish	3.00
Total selling price	$30.00
Your profit	$10.05

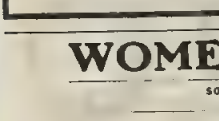
Assortment of 12 watches including free assortment mahogany finish frame, easel counter or window display fixture
J7247 (12 watches) **$19.95**

WOMEN'S WRIST WATCHES

SOLID GOLD AND GOLD FILLED POPULAR STYLE WRIST WATCHES

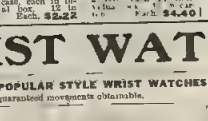
Fitted with one of the best fully guaranteed movements obtainable.

Imported Movements



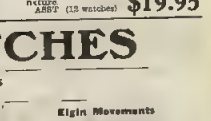
10 Yr. Gold Filled Case—Plain polished [illegible] 10 year guaranteed gold filled adjustable bracelet. 1 in box
J7585 15 jewel nickel lever movement.
Each, **$9.50**

20 Yr. Gold Filled Case—Plain polished [illegible] 20 year guaranteed gold filled adjustable bracelet. 1 in box.
J7558 15 jewel, nickel lever movement.
Each **$12.00**

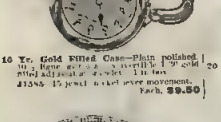


20 Yr. Gold Filled Case—Engraved octagon, 10½ ligne, gold dial, convertible 1-10 gold filled adjustable bracelet. 1 in box
J7567 15 jewel nickel lever movement.
Each, **$18.00**

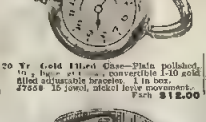
Elgin Movements



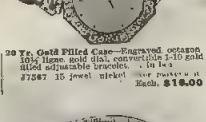
Elgin, 20 Yr. Gold Filled Case—Plain polished, 3-0 size, white porcelain dial, convertible 1-10 gold filled adjustable bracelet. 1 in box.
J7554 Elgin, 7 jewel movement
Each, **$15.00**



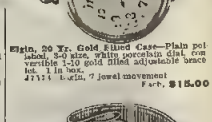
20 Yr. Gold Filled Case—Plain polished, 8½ ligne, silvered dial, black silk ribbon bracelet with 1-10 gold filled clasp. 1 in box
J7558—15 jewel, nickel lever movement
Each, **$15.00**



14K White Gold Case—10½ ligne, tonneau shape, engraved back and bezel silvered dial, black silk ribbon bracelet. 14K engraved clasp. Each in hinged top leather-ette case.
J7586 15 jewel lever nickel movement
Each, **$18.50**



14K Solid White Gold Case—Engraved, 8½ ligne, long tonneau shape, engraved silver dial, enameled [illegible] black silk ribbon, 14K engraved clasp. Each in hinged top leather-ette case.
J7169 15 jewel, nickel lever movement
Each, **$28.50**



Elgin, 20 Yr. Gold Filled Case—Plain polished, 10-0 size, cushion shape, engraved, with ribbon bracelet. 1 in box
J7574—Elgin, 7 jewel movement.
Each, **$27.50**

18K White Gold Engraved Case—6½ ligne, rectangular shape, silver dial, black silk ribbon bracelet with 18K engraved clasp. Each in hinged display box
J7570 15 jewel adjusted lever movement.
Each, **$32.50**

18K Solid White Gold Case—Engraved bezel and back, 6½ ligne, oval shape, adjusted 6 positions, engraved dial, ribbon bracelet with 18K engraved clasp. Each in hinged display box
J7571—17 jewel adjusted lever movement.
Each, **$36.00**

14K Solid White Gold Case—Engraved [illegible] case, [illegible] dial, black ribbon bracelet with 14K engraved clasp. Each in hinged display box
J7572 17 jewel adjusted lever movement
Each, **$37.50**

Elgin, "Princess," 25 Yr. White Gold Filled Case—10-0 size, cushion shape, engraved case, silver dial, complete with ribbon bracelet. Each in display box
J7573 Elgin, 7 jewel movement
Each, **$32.50**

ALARM CLOCKS

Butler Brothers have sold, of a single one of these clocks, an average of one thousand a day for an entire year

"GEM" FLUSH BACK

J9425—"Gem" 4x5 in., highly polished nickel plated case, flush back, 30 hr brass movement with steel pinions, white agate dial, concealed loud alarm, side shut-off, 1 in box.
Lots of 6, Each, 90c
" " 50, " 85c

"SENTINEL" BELL TOP

J9430—"Sentinel," 4½ in., loud alarm, 30 to 36 hr brass movement, steel lantern pinions, nickel plated nickeloid case, white dial, shut-off switch, 1 in box.
Each $1.00

"INDIAN" BACK BELL

J9206—"Indian," 3¾ in., long alarm, released by raising ball on rear, shut-off by pressing bell, 30 hr brass movement, steel lantern pinions, polished, nickeloid raw bell recessed in case with dial, 1 in box.
Each $1.10

"Giant" Alarm Clocks

Concealed alarm with loud tone. The greatest values in alarm clocks that have ever been offered the merchants of America.

"Giant" 3½x4½ in. high, polished nickel plated, seamless brass case, flush back, brass movement, with steel lantern pinions, white dial, polished nickel reflector, 30 hr, 3 inch concealed loud alarm, sliding hexagon shut-off to key, scroll hands, 1 in box.

J9500—White dial, Lots of 6, Each **95c**; Lots of 6, Each **98c**; Lots of 24, Each **$1**
J9503—Black dial, radium numerals and hands, Each, **$1.75**

ANSONIA "PIRATE" TOP BELL

J9465—Ansonia "Pirate," 6 in. solid brass seamless case, brass movements, 4½ in white dial, top bell with shut-off switch, 1 in box.
Each **$1.25**

"BREAK O'DAY" BACK BELL

J9431—"Break o' Day," alarm, 4½ in nickeled bell back long loud alarm, 30 hr all brass movement, steel pinions, lever arm shut-off, white enamel dial, 1 in box.
Each **$1.25**

"LIGHTNING" BACK BELL

J9470—"Lightning," 4 in. high seamless brass case, nickel plated, 4½ in. full size bell back loud alarm, 30 hr brass movement, steel pinions, shut-off, white dial, 1 in case.
Each **$1.30**

"BREAK O'DAY" INTERMITTENT ALARM

J9483—"Break o' Day," intermittent alarm, 4½ in., 30 hr all brass movement, steel lantern pinions, 9 minute intermittent loud alarm bell back, 1 in box.
Each **$1.50**

"BREAK O'DAY" LONG ALARM

J9434—"Break o' Day," long alarm, 7¼x8½x2¾ in. thick, 4½ in. dial, 30 hr. solid brass movement, steel lantern pinions, rings for 5 minutes, collapsible tripod can be hung on wall, 1 in box
Each **$2.25**

WATERBURY "CYCLONE"

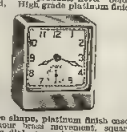
J9474—Waterbury "Cyclone," 4 in., 7 jewel nickel plated case, 5 minute loud alarm or with intermission every 9 minutes, 12 hours set by switch at top, 2¾ in. dial, 8 hr movement, 1 in box
Each, **$2.50**
Case lots of 50, **2.38**

"SIMPLEX" 8 DAY BACK BELL

J9437—"Simplex" 8 day two and 8 day alarm brass movement 4½ in. dial, steel pinions, full nickel plated seamless case, 8 day alarm dial can be set for A M or P M, runs 8 days, will run at the same time 24 hrs later without resetting, 1 in box
Each **$3.80**

"ANSONIA" NEW STYLE SQUARE ALARM CLOCKS

Ansonia products never before offered. High grade platinum finish case



Square shape, platinum finish case, 30 hour brass movement, square white dial, concealed alarm, back shut-off switch, 1 in box.
J9475 "Pirate," 4½x5 in., 3 in. dial continuous alarm, Each **$1.50**
J9476—"Rascal," 3x2¾ in., 1¾ in. dial intermittent alarm, Each **$2.15**
J9477 "Racket," 4¼x4 in., 3½ in. dial, 8 day and 36 hour strike and alarm, Each, **$3.25**

ANSONIA "RASCAL" INTERMITTENT ALARM

J9460—Ansonia "Rascal," 4 in. high seamless case heavy nickel plated, 2½ in. white dial, full size bell back, steady and repeating alarm with shut-off, 1 in box
Each, **$2.30**

NEW HAVEN "TATTOO JR."

J9441 2¾ in. high, black dial, white figures, radium numerals and hands, full seamless bell back, 30 hr movement, intermittent alarm, rings at 30 second intervals for 5 or more, shut-off switch on dial, black numerals, 1 in box
Each, **$3.31**

Guard 8 DAY ALARM CLOCK

8 Day Alarm at the Price of a 1 Day Clock

New popular model, large size case, full size back bell alarm, American made—one of the greatest clock values ever offered.

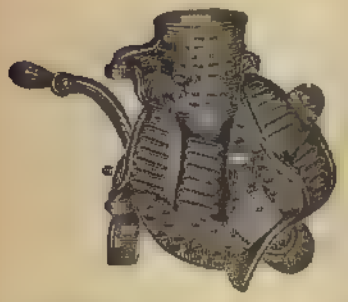
J9525— "Guard," 7x9¾ nickel plated, highly polished seamless case, thin model, full size beveled with full dial, shut-off, 8 day solid brass movement with lantern pinions, white dial with full arabic numerals, gilt reflector, 1 in box.
Each, **$2.60**
Lots of 12, " **2.55**

CORN SHELLERS

The tension of the hopper spring allows the hopper to expand and contract according to the size of the ear. At the outlet of the hopper a flange holds the ear close to the shelling disc or wheel, thus assuring a thorough shelling of the ear.

No. T100—Little Giant, 10 in. sheller disc or wheel with projecting teeth, spring hopper, adjustable for different sizes of ears, malleable iron frame, disc, crank, etc., heavy steel hopper spring, long axle bearing and hook, 7 in. crank with wood grip, w't per doz. 150 lbs., per dozen $24.00

ONE IN A CARTON



Manufacturer guarantees to furnish free any part that ever breaks, wears out or gets lost.

BLACK HAWK, 8½ in. shell wheel with round teeth, long chilled bearings, malleable iron hopper, separator and crank, will shell all sizes of ears, fastens to side of box by means of two clamps with winged nuts, capacity 8 to 14 bu. per hr., w't per doz. 180 lbs.

HALF DOZEN IN A BARREL

No. W1903—Full one-half dozen barrel, per dozen $52.00

No. 1903—Less than half dozen, per dozen $52 00

CORN SHELLERS

RED CHIEF

Closed hopper makes it impossible for operator to pinch hand. Patented oval shape teeth, arranged on the wheel so as to go between the rows, pressing them from the ear instead of tearing them. Will not crack or otherwise injure grain. The only safe sheller to use for seed corn. Throws cobs outside every time. Patented fastener clamp, with large strong wing nut. Fastens securely by hand on box, barrel or tub. Holds steady. Easy to remove. Tension directly on cob, not on hopper, making the Red Chief run easily, no force being required to expand hopper. Perfect spring tension assures clean shelling of any size ear. Three-quarter in. cold rolled steel axle, very strong, with 4½ in. bearing on the hub, preventing rapid wear and assuring long life. Long strong crank, securely fastened with No. 10 standard thread, assuring ease in operation. Wooden handle, securely riveted to crank, w't 11½ lbs.

No. T120—Full half dozen crates, per dozen $48.00

No. 120—Less than case. per dozen $50.00

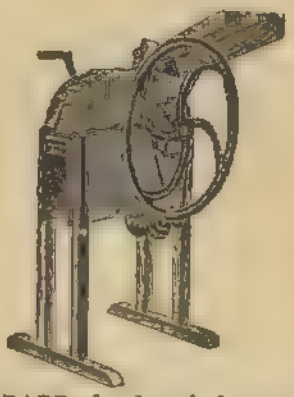
HALF DOZEN IN A CRATE

POP CORN ATTACHMENTS

Designed to fit inside the Red Chief Corn Sheller, will shell any size ear of Pop Corn. Easily attached and self-adjusting.

No. 121—Per dozen $8.00

CORN SHELLERS



HIBBARD, hardwood frame, body and legs painted vermilion, striped in black and varnished. All iron parts painted black. Heavy balance wheel, light running gears and easily adjustable spring to receive and shell any size ear of corn. All parts strong and durable, 21 in. fly wheel, height 3½ ft., length 2 ft., width 12 in.

The HIBBARD shells prfectly clean, does not break the cob or throw out corn with the cob. Has hand wheel for regulating springs and cast iron frame for all boxes. It can be used with light power by replacing crank with pulley.

WITHOUT FAN

No. F5—Without feed table, w't each 138 lbs.★ .....each $24.00

No. F5T—With feed table, w't each 145 lbs.★ .....each $25.50

WITH FAN

No. F6F—Without feed table, w't each 143 lbs★ .....each $27.50

No. F6FT—With feed table, w't each 150 lbs.★ .....each $29.00

ONE IN A CRATE, PART KNOCKED DOWN

No. F6P—Pulley Attachment, diam. 8 in., 2 in. face, for running Hibbard Sheller with 1 or 1½ h. p. engine, takes 2 in. belt, w't each 5 lbs., each★ $1.80

PACKED LOOSE

FODDER SQUEEZERS

For tying fodder and other bulky materials in shocks and bundles.

No. 4—Blair's, malleable iron japanned, for ⅜ in. rope, w't per doz. 7 lbs. .....per dozen $6.00

Price does not include rope.

ONE DOZEN IN A BOX

★ Items Marked Thus ★ Are Shipped From Factory Only.

SEED CORN GRADERS

No planter will drop right with ungraded seed.

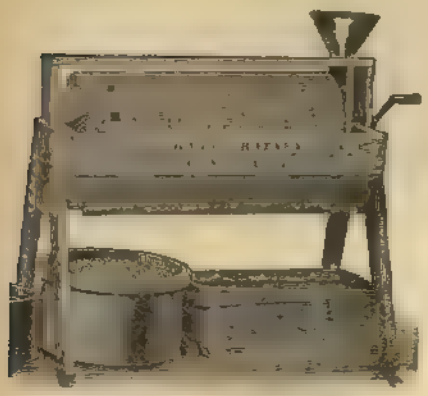
Graded seed insures perfect dropping, stronger plants and increases yield 5 to 15 bushels per acre.

The Perfection has a special lower screen construction that sorts out the THIN wafer-like kernels as well as the ROUND and NARROW ones.

Both screens are corrugated giving every aperture an incline guard on lower screen which prevents spilling corn while grading, permitting action of entire screen on corn at once.

No. N21—Perfection, double screen, corrugated, beveled apertures, three kinds of holes in the lower screen, retains corn on lower screen until separation is complete, size 11x19 in. capacity 6 to 10 bushels per hour, per dozen $23.20

HALF DOZEN IN A BOX



A rotary screen never clogs, constructed so that kernels are turned on edge or on end that they may readily pass through. Will handle any variety of field corn. Crated for shipment with legs detached. Measures and basket not included.

No. N50—Double Rotary, 5 grade, height 30 in., length 32 in., width 15 in., composed of two corrugated steel drums, the finer screen drum surrounding the other; simple easily operated, accurate, quick acting, w't each crated 50 lbs., per dozen $232.00

CORN PLANTERS

Wood frame, natural finish, steel jaws, 8x3x3¼ in. heavy tin hopper and conveying tube, wood grips securely bolted, height 34 in., w't per doz. 63 lbs.

No. NN1—Full dozen crate, per dozen $22.00

No. N1—Less than crate, per dozen $22.00

ONE DOZEN IN A CRATE

ECLIPSE ROTARY

All steel frame, varnished, wedge point, spring on side to throw handles apart, 4 iron discs for different feeds, one for broom corn and the others for corn, with perforations in each to drop 1, 2 and 3 grains each according to the number of holes, sheet steel hopper, height 34 in., w't per doz. 116 lbs.

No. NN5—Full doz. crate, doz. $42.00

No. N5—Less than crate, doz. 42.00

ONE DOZEN IN A CRATE

Acme rotary full rotary drop, hardwood frame varnished, heavy steel jaws 4x4¼x6¾ in., pressed steel hopper green japanned adjustable drop disc, clock steel spring, cutoff, height 32 in., w't per doz. 80 lbs.

No. NN3—Full half dozen crate, per dozen $45.00

No. N3—Less than crate, per dozen $45.00

HALF DOZEN IN A CRATE

POTATO PLANTERS

Spring steel self-locking jaws, adjustable malleable iron, 3½x3x7 in. hopper, depth gauge and socket hard maple handle, height 42 in.

No. NN16—Full dozen crate, per dozen $21.50

No. N16—Less than crate, per dozen $21.50

ONE DOZEN IN A CRATE. W'T PER DOZ. 63 LBS.

Bright steel jaws dipped in a preparation to prevent rust. Lock Jaw type same as Acme Self-Locking, no springs required. Strong hardwood handle, set into malleable iron socket securely riveted to back jaw. Foot plates provided on socket. Adjustable dump or depth gauge. Wire mesh conveying tube—each seed can be seen passing through tube. 18x3 in. hopper, no rivet heads on inside of jaws to bruise eyes on seeds.

No. NN17—Full dozen crate, per dozen $32.50

No. N17—Less than crate, per dozen $32 50

ONE DOZEN IN A CRATE W'T PER DOZ. 70 LBS.

Acme self-locking tubular, 33x3 in. tapering galvanized iron hopper, bright steel non-rusting jaws with simple and novel arrangment to hold them tightly locked or closed until thrust into the ground when front jaw is pushed up releasing the lock. Galvanized iron taper conveying tube, natural finish. When the beak is withdrawn from the soil, the jaws automatically close and lock themselves. Height 36 in.

No. NN18—Full dozen crate, per dozen $32.50

No. N18—Less than crate, per dozen $32.50

ONE DOZEN IN A CRATE W'T PER DOZ. 72 LBS.

BASEBALL BATS

LOUISVILLE SLUGGER

Made of extra selected second growth, straight grain, white ash. Weather tempered. Hand turned. Bone rubbed. Ruth, Ryan and Cobb models.

No.	Assorted lengths	Average wt. doz.	Per doz.
250	32 to 36 in.	.25 to 35 lbs	..$30 00

One in a paper bag; three dozen in a crate.

Oil tempered finish. Made from choicest selected second growth ash. Hand turned. Assorted models, as follows:

Babe Ruth	Harry Heilman	Jimmie O'Connell
Ty Cobb	Rube Ellis	Fornier
George Sisler	Sam Crawford	Willie Kamm
Jake Daubert	Bill Rogers	Joe Kelly
Tris Speaker	Buddie Ryan	Cy Williams
Eddie Collins	Rogers Hornsby	Ken Williams

No.	Assorted lengths	Average wt. doz.	Per doz.
125	.....32 to 36 in..	.....25 to 35 lbs.....	.....$24.00

Three dozen in a crate.

LOUISVILLE SLUGGER AUTOGRAPH

Babe Ruth—Second growth ash. Similar to Hans Wagner model.

No.	Assorted lengths	Average wt. doz.	Per doz.
40BR	.....32 to 36 in.....	.25 to 35 lbs.	.....$24.00

Ty Cobb—Highly polished. Flame burnt finish. Thin handle, with gradually tapered barrel.

No.	Assorted lengths	Average wt. doz.	Per doz
40TC	.....32 to 36 in	25 to 35 lbs . .	. $24 00

Tris Speaker—Highly polished Special flame burnt golden finish

No.	Assorted lengths	Average wt. doz	Per doz
40TS	.. .32 to 36 in	25 to 35 lbs	$24.00

George Sisler—Silver bronze body. Golden handle

No.	Assorted lengths	Average wt. doz	Per doz
40GS	.....32 to 36 in.	25 to 35 lbs	. $24.00

Eddie Collins—Highly polished. Flame burnt orange finish. Small handle.

No.	Assorted lengths	Average wt. doz	Per doz.
40EC	.....32 to 36 in.....	.25 to 35 lbs	..$24 00

Jake Daubert New brown flint finish. Thin handle. Body well balanced

No.	Assorted lengths	Average wt. doz	Per doz
40JD	.....32 to 36 in.....	.25 to 35 lbs	.....$24.00

Ty Cobb, Junior—As No. 40TC, except junior model.

No.	Length	Average wt. doz	Per doz.
40TCJ	.....32 in....	.....25 to 35 lbs.....	$12 00

Babe Ruth, Junior—Same as No. 40BR, except junior model.

No.	Length	Average wt. doz	Per doz.
40BRJ	..32 in	...25 to 35 lbs....	$12 00

One in a paper bag, three dozen in a crate.

Bingo—Second growth ash. Hand turned. Flame burnt, shellac finish.

No	Assorted lengths	Average wt. doz.	Per doz
10	.32 to 36 in.	.25 to 35 lbs.	.....$18.00

Burnt oil finish. Second growth ash. Hand turned.

No.	Assorted lengths	Average wt. doz.	Per doz
16	.....32 to 36 in	..... .25 to 35 lbs.	.....$15.00

Semi-Pro—Made of second growth ash. Brown finish, with natural handle, center tapered.

No.	Assorted lengths	Average wt. doz	Per doz
11B	..32 to 36 in	..25 to 35 lbs.....	..$12 00

King of the Field—Second growth ash. New golden finish. Highly polished

No.	Assorted lengths	Average wt. doz	Per doz
12	.32 to 35 in.....	.25 to 35 lbs.....	...$12 00

One in a paper bag, three dozen, in a crate

Junior Slugger—Second growth ash. Burnished finish

No.	Length	Aver. wt. doz.	Per doz.
42	.....32 in	....25 to 35 lbs.....	.....$9.00

Cracker Jack—Boys' size. Made of ash.

No.	Length	Aver. wt. doz.	Per doz
2	.....30 in.....	.25 to 35 lbs.....	.....$3.00

Junior League—Made of ash. Flame burnt. Highly polished.

No.	Length	Aver. wt. doz.	Per doz
4	...32 in.	25 to 35 lbs.	.....$6.00

Official Indoor—High grade ash. Golden mottled finish. Taped handle.

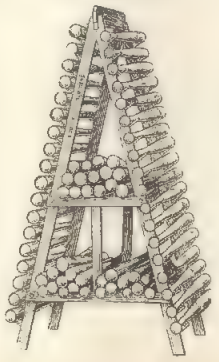
No.	Length	Aver wt. doz.	Per doz
54	33 in .	25 to 35 lbs.....	.....$12.00

Indoor -Ash. Large size. Flame burnt finish. Taped handle.

No.	Length	Aver wt. doz	Per doz
52 ...	. ..32 in..	25 to 35 lbs . .	.. $9.00

One in a paper bag; three dozen in a crate.

BAT RACKS



Holds 144 bats. 60 inches high, 22x35 inches at base.

	Wt. each	Each
Bat Racks	50 lbs.	$6 00

Knocked down and crated, one in a crate, ready for shipping.

BASE BALL BATS

LOUISVILLE SLUGGER

Made by Hand of Extra Selected Second Growth North Side Mountain White Ash Straight Grain, and are Exact Duplicates of Models as Used by All the Leading Sluggers in the Base Ball World

EDDIE COLLINS MODEL

Highly Polished, Flame Burnt Finish; Small Handle, Well Proportioned and Easily Handled; None Genuine Without Registered Trade Mark, Photo and Autograph Transfer of Eddie Collins; Length 33 to 35 inches.

Per Dozen

No. 40EC—Weight per Dozen, About 32 lbs. **$32.40**
One in a Paper Bag; Three Dozen in a Case

BABE RUTH MODEL

Oil Tempered Finish; Hand Cured; None Genuine Without Registered Trade Mark, Photo and Autograph Transfer of George "Babe" Ruth; Length 32 to 36 inches.

Per Dozen

No. 40BR—Weight per Dozen, About 32 lbs. **$32.40**
One in a Paper Bag; Three Dozen in a Case

HANK GOWDY MODEL

Highly Polished, Special Flame Burnt Golden Finish; None Genuine Without Registered Trade Mark, Photo and Autograph Transfer of Hank Gowdy; Length 32 to 36 inches.

Per Dozen

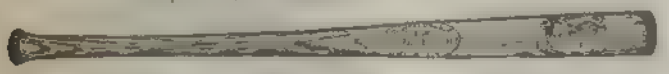
No. 40HG—Weight per Dozen, About 32 lbs **$32.40**
One in a Paper Bag; Three Dozen in a Case

GEORGE SISLER MODEL

Silver Bronze Body, Golden Handle, One of the Most Popular Models Used; None Genuine Without Registered Trade Mark, Photo and Autograph Transfer of Geo. Sisler; Length 32 to 36 inches.

Per Dozen

No. 40GS—Weight per Dozen, About 36 lbs **$32.40**
One in a Paper Bag; Three Dozen in a Case

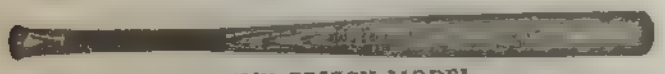


JAKE DAUBERT MODEL

Thin Handle; Well Balanced Body; New Brown Flint Finish; None Genuine Without Registered Trade Mark, Photo and Autograph Transfer of Jake Daubert; Length 33 to 36 inches; Assorted Weights.

Per Dozen

No. 40JD—Weight per Dozen, About 30 lbs **$32.40**
One in a Paper Bag; Three Dozen in a Case

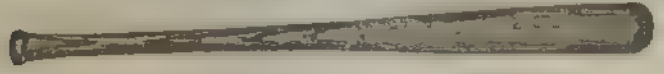


FRANK FRISCH MODEL

Highly Polished, Flame Burnt Finish; None Genuine Without Registered Trade Mark and Autograph Transfer of Frank Frisch; Length 32 to 36 inches.

Per Dozen

No. 40FF—Weight per Dozen, About 36 lbs. **$32.40**
One in a Paper Bag; Three Dozen in a Case



KEN WILLIAMS MODEL

Highly Polished, Oil Tempered, Golden Finish; None Genuine Without Registered Trade Mark and Autograph Transfer of Ken Williams; Length 33 to 36 inches.

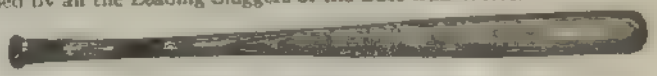
Per Dozen

No. 40KW—Weight per Dozen, About 36 lbs. **$32.40**
One in a Paper Bag; Three Dozen in a Case

BASE BALL BATS

LOUISVILLE SLUGGER

Made by Hand of Extra Selected Second Growth North Side Mountain White Ash Straight Grain and are Exact Duplicates of Models as Used by all the Leading Sluggers of the Base Ball World.



HARRY HEILMAN MODEL

Oil Tempered; None Genuine Without Registered Trade Mark and Autograph Transfer of Harry E. Heilman; Length 32 to 36 inches.

Per Dozen

No. 40HH—Weight per Dozen, About 32 lbs. **$32.40**
One in a Paper Bag; Three Dozen in a Case

EDDIE ROUSH MODEL

Burnt Black Finish; Tape Wrapped Handle; None Genuine Without Registered Trade Mark and Autograph Transfer of Eddie Roush; Length 32 to 36 inches.

Per Dozen

No. 40ER—Weight per Dozen, About 32 lbs. **$32.40**
One in a Paper Bag; Three Dozen in a Crate

GEORGE KELLY MODEL

Oil Tempered Finish; Hand Cured; None Genuine Without Registered Trade Mark and Autograph Transfer of George Kelly; Length 33 to 35 inches.

Per Dozen

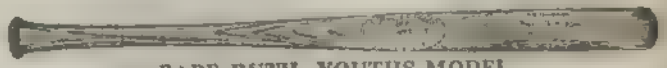
No. 40GK—Weight per Dozen, About 32 lbs. **$32.40**
One in a Paper Bag; Three Dozen in a Crate

Oil Tempered, Golden Finish

Professional, Oil Tempered Finish; Hand Cured; Twelve Assorted Models; Length 32 to 36 inches; Assorted Weights.

Per Dozen

No. 125—Weight per Dozen, About 33 lbs. **$32.40**
One in a Paper Bag; Three Dozen in a Case



BABE RUTH, YOUTHS MODEL

Highly Polished, Flame Burnt Finish; None Genuine Without Registered Trade Mark, Autograph Transfer of George "Babe" Ruth; Length 32 inches.

Per Dozen

No. 40BRJ—Weight per Dozen, About 27 lbs. **$14.40**
One in a Paper Bag; Three Dozen in a Crate

TY COBB, YOUTHS MODEL

Highly Polished, Flame Burnt Finish; None Genuine Without Registered Trade Mark, Photo and Autograph Transfer of Ty Cobb; Length 32 inches.

Per Dozen

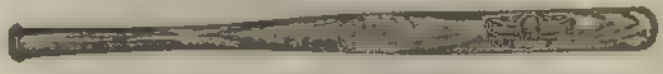
No. 40TCJ—Weight per Dozen, About 27 lbs. **$14.40**
One in a Paper Bag; Three Dozen in a Crate

HANS WAGNER, YOUTHS MODEL

Highly Polished, Mottled Finish; has More Hitting Surface than the Average Bat; Medium Size Handle and Well Balanced; None Genuine Without Registered Trade Mark, Photo and Autograph Transfer of Hans Wagner; Length 32 inches.

Per Dozen

No. 40WJ—Weight per Dozen, About 27 lbs. **$14.40**
One in a Paper Bag; Three Dozen in a Crate



EDDIE COLLINS, YOUTHS MODEL

Highly Polished, Flame Burnt Finish; None Genuine Without Registered Trade Mark and Autograph Transfer of Eddie Collins; Length 32 inches.

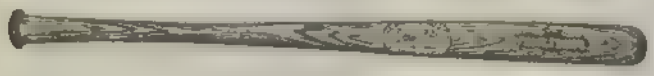
Per Dozen

No. 40ECJ—Weight per Dozen, About 26 lbs. **$14.40**
One in a Paper Bag; Three Dozen in a Crate

BASE BALL BATS

*DIAMOND BRAND

Diamond Brand Bats are the Combined Results of Suggestions of Some of the Big Leagues Expert Batters; They Embody All the Good Features Essential to Hard and Scientific Work; Their Driving Power is Unsurpassed; We Use Nothing but the Best Selected Straight Grained Second Growth Ash; Open Air Dried and Thoroughly Seasoned Before Turning; All Timber is Hand Split (Not Sawed), Thereby Preserving a Continuous Grain; Each Bat Hand Turned to Gauge; Used by Professional Ball Players and Wherever the Best is Wanted.



First Quality Ash; Natural Finish and Highly Polished; Assorted Lengths, 32 to 36 inches.

Per Dozen

No. 78—Weight per Dozen, 24 lbs.....$28 40
Twelfth Dozen in a Paper Bag, Three Dozen in a Crate

First Quality Ash; Light Burnished Surface, Highly Polished; Assorted Lengths, 32 to 36 inches.

Per Dozen

No. 68—Weight per Dozen, 27 lbs.....$34.00
Twelfth Dozen in a Paper Bag; Three Dozen in a Crate

First Quality Ash, Boy's Model; Light Burnished Surface, Highly Polished; Length, 29½ inches.

Per Dozen

No. 70—Weight per Dozen, 18 lbs.....$22.80
Twelfth Dozen in a Paper Bag; Three Dozen in a Crate

Tape Wrapped Handle; Barrel Stained a Rich Mahogany; Highly Polished; Assorted Lengths, 32 to 36 inches.

Per Dozen

No. 58—Weight per Dozen, 24 lbs.....$30 00
Twelfth Dozen in a Paper Bag; Three Dozen in a Crate

First Quality Ash; Junior Model; Light Burnished Surface, Highly Polished; Length, 31 inches

Per Dozen

No. 30—Weight per Dozen, 22 lbs.....$10 00
Twelfth Dozen in a Paper Bag; Three Dozen in a Crate.

First Quality Beech; Boy's Model; Light Burnished Surface, Highly Polished.

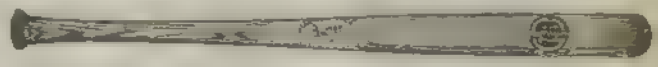
Per Dozen

No. 20—Weight per Dozen, 21 lbs.....$4.50
Three Dozen in a Crate

BASE BALL BATS

*BINGLER

Bingler and Diamond Brand Bats are the Combined Results of Suggestions of Some of the Big League Expert Batters; They Embody All the Good Features Essential to Hard and Scientific Work; Their Driving Power is Unsurpassed; We Use Nothing but the Best Selected Straight Grained Second Growth Ash; Open Air Dried and Thoroughly Seasoned Before Turning; All Timber is Hand Split (Not Sawed), Thereby Preserving a Continuous Grain; Each Bat Hand Turned to Gauge; Used by Professional Ball Players and Wherever the Best is Wanted.



Plain Handle; Light Burnished Surface; Assorted Lengths 32 to 34 inches; Average Weight per Dozen, 30 lbs.

Nos	100HH	100TC	100EC	100BR
Model	Harry Heilman	Cobb	Eddie Collins	Babe Ruth
Per Dozen	$30.00	30.00	30.00	30.00

Nos	100JD	100TS	100HW
Model	Jake Daubert	Tris Speaker	Wagner
Per Dozen	$30 00	30 00	[illegible]

Twelfth Dozen in a Paper Bag, Three Dozen in a Crate

Per Dozen

No. 100T—Tape Wrapped Handle; Natural Finish; Assorted Lengths 32 to 36 inches; Weight per Dozen, 33 lbs.....$30.00

No. 100BT—Tape Wrapped Handle; Burnished Black Finish; Assorted Lengths 32 to 36 inches; Weight per Dozen, 30 lbs.... 30.00
Twelfth Dozen in a Paper Bag; Three Dozen in a Crate

LOUISVILLE SLUGGER

Made by Hand of Extra Selected Second Growth North Side Mountain White Ash, Straight Grain and are Exact Duplicates of Models as Used by all the Leading Sluggers of the Base Ball World.

TY COBB MODEL

Highly Polished; Flame Burnt Finish; Thin Handle with Gradual Tapered Barrel; None Genuine Without Registered Trade Mark, Photo and Autograph Transfer of Ty Cobb; Length, 32 to 36 inches; Assorted Weights.

Per Dozen

No. 40TC—Weight per Dozen, About 32 lbs.....$32.40
One in a Paper Bag; Three Dozen in a Case

FRANK BAKER MODEL

Highly Polished, Golden Mottled Finish; None Genuine Without Registered Trade Mark, Photo and Autograph Transfer of Frank Baker; Length, 33 to 36 inches.

Per Dozen

No. 40FB—Weight per Dozen, About 32 lbs.....$32 40
One in a Paper Bag; Three Dozen in a Case

TRIS SPEAKER MODEL

Highly Polished, Special Flame Burnt Golden Finish; None Genuine Without Registered Trade Mark, Photo and Autograph Transfer of Tris Speaker; Length 32 to 36 inches; Assorted Weights.

Per Dozen

No. 40TS—Weight per Dozen, About 32 lbs.....$32.40
One in a Paper Bag; Three Dozen in a Case

DOLLS

AMERICAN

HORSMAN DOLLS

Stuffed Body; Movable Hips and Shoulders; Composition Hands; Painted Eyes and Hair; Fancy Baby Dress with Lace Trimmed Apron; Plain White Undergarments; Socks and Slippers.

Per Dozen

No. 804—Height 14 inches, Weight per Dozen 12 lbs $28 80

Twelfth Dozen in a Box

Romper Girl Doll

Stuffed Body; Composition Hands; Movable Hips and Shoulders; Painted Eyes and Hair; Fancy Two Color Printed Lawn Dress with Bonnet to Match; Plain White Undergarments; Socks and Slippers.

Per Dozen

No. 803—Height, 12½ inches; Weight per Dozen, 9 lbs $24 00

Twelfth Dozen in a Box

Stuffed Body; Composition Hands; Movable Hips and Shoulders; Painted Eyes and Hair with Ribbon Bow; Fancy Two Color Baby Dress Trimmed with Lace and Ribbon; Plain White Undergarments, Socks and Slippers.

Per Dozen

No. 802—Height, 12½ inches; Weight per Dozen, 9 l... $24 00

Twelfth Dozen in a Box

Baby Doll

Stuffed Body; Composition Hands; Painted Eyes and Hair; Movable Hips and Shoulders; Fancy Short Pleated Baby Dress Trimmed with Lace Fancy Bonnet to Match; Socks and Slippers; Plain White Undergarments.

Per Dozen

No. 801—Height, 14 inches; Weight per Dozen, 12 lbs $24 00

Twelfth Dozen in a Box

DOLLS

AMERICAN

MADAME HENDREN DOLLS

All Equipped With Genuine Lloyd Mama Voice

Rock-a-Bye Crying and Mama Doll Combination, With Sleeping Eyes.

This Doll is Fitted with Both Crying and Mama Voice; Each Box Packed Complete with Rockers to Make a Cradle Out of the Box; When the Doll is Rocked it Cries Continuously and Slowly Closes It's Eyes Until it is Sound Asleep, Then as the Doll is Taken Out of the Cradle She Opens Here Eyes and Says, "Mama". A Strictly New Novelty in Voice Dolls, Particularly Adapted for Demonstration Purposes.

Cotton Stuffed Body; Composition Forearms; Movable Hips and Shoulders; Sleeping Eyes; Glued Wig with Short Curls; Lace Trimmed White Organdie Dress; Fancy Trimmed Bonnet to Match; Lace Trimmed Undergarments; White Socks and Patent Leather Shoes.

Per Dozen

No. 891—Height, 20 inches; Weight per Dozen, 54 lbs $252 00

Twelfth Dozen in a Box

Sleeping Eyes

Cotton Stuffed Body; Composition Arms and Legs; Movable Hips and Shoulders; Sleeping Eyes; Glued Wig with Short Curls; White Organdie Dress Trimmed with Lace and Ribbon; Bonnet to Match Trimmed with Large Ribbon Bow; Lace Trimmed Undergarments; White Socks and Patent Leather Shoes.

Per Dozen

No. 889—Height 20 inches, Weight per Dozen, 39 lbs. $216 00

Twelfth Dozen in a Box

No. 888—Height, 17 inches, Weight per Dozen, 36 lbs. $150 00

Twelfth Dozen in a Box

Sleeping Eyes

Cotton Stuffed Body; Composition Forearms, Movable Hips and Shoulders; Sleeping Eyes; Glued Wig with Short Curls; Colored Organdie Dress Trimmed with Lace and Ribbon Bow; Fancy Bonnet to Match; Lace Trimmed Undergarments; White Socks and Patent Leather Shoes.

Per Dozen

No. 890—Height, 20 inches; Weight per Dozen 39 lbs $150 00

Twelfth Dozen in a Box

DOLLS

AMERICAN

MADAME HENDREN DOLLS

All Equipped With Genuine Lloyd Mama Voice

Cotton Stuffed Body; Composition Arms and Legs; Movable Hips and Shoulders, Painted Eyes and Hair; Plain Corded Voile Dress and Bloomers; Dress Trimmed with Lace and Ribbon Rosette, Bonnet to Match; Plain White Undergarments; White Socks and Patent Leather Shoes.

Per Dozen

No. 887—Height, 20 inches. Weight per Dozen, 42 lbs. **$114 00**
Twelfth Dozen in a Box

Sleeping Eyes

Cotton Stuffed Body; Composition Forearms; Movable Hips and Shoulders; Sleeping Eyes; Glued Wig with Short Curls; Plain Color Organdie Dress, Patch Pockets Made of Flowered Batiste; Bonnet to Match; Plain White Undergarments; White Socks and Patent Leather Shoes.

Per Dozen

No. 886—Height, 17 inches; Weight per Dozen, 30 lbs. **$114.00**
Twelfth Dozen in a Box

Sleeping Eyes

Cotton Stuffed Body, Composition Forearms; Movable Hips and Shoulders; Sleeping Eyes; Glued Wig with Short Curls; Plain Color Crepe Dress Trimmed with Lace; Bonnet to Match; White Undergarments; White Socks and Patent Leather Shoes.

Per Dozen

No. 885—Height, 17 inches; Weight per Dozen, 30 lbs. **$114.00**
Twelfth Dozen in a Box

DOLLS

AMERICAN

MADAME HENDREN DOLLS

All Equipped With Genuine Lloyd Mama Voice

Cotton Stuffed Body; Composition Forearms; Movable Hips and Shoulders; Painted Eyes and Hair; Fancy Corded Voile Dress Trimmed with Lace and Ribbon Rosette; Bonnet to Match; White Lace Trimmed Undergarments; White Socks and Patent Leather Shoes.

Per Dozen

No. 884—Height, 20 inches; Weight per Dozen, 34 lbs. **$102 00**
Twelfth Dozen in a Box

Cotton Stuffed Body; Composition Forearms; Movable Hips and Shoulders; Painted Eyes and Hair; Fancy Lawn Dress Trimmed with Lace and Ribbon Rosette; Bonnet to Match; Plain White Undergarments; White Socks and Patent Leather Shoes.

Per Dozen

No. 883—Height, 20 inches; Weight per Dozen, 33 lbs. **$102 00**
Twelfth Dozen in a Box

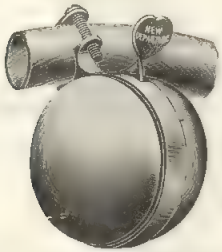
Cotton Stuffed Body; Composition Forearms; Movable Hips and Shoulders; Painted Eyes and Hair, Colored Organdie Dress Trimmed with Batiste; Trimmed Bonnet to Match the Dress; White Undergarments; White Socks and Patent Leather Slippers.

Per Dozen

No. 882—Height, 17 inches, Weight per Dozen, 24 lbs **$78 00**
Twelfth Dozen in a Box

BICYCLE BELLS

NEW DEPARTURE

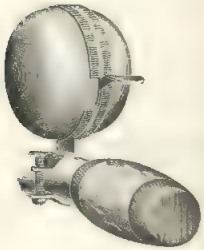


Best grade bell metal

No	Size & Pts.	Wt. per doz.	Per doz.
344	2¾ in.	11½ lbs.	....$23.00
350	2¼ in.	8 lb	18.50

One-twelfth dozen in a box; one dozen in a carton

BEVINS



No. 2/0

No. 810

Rotary movement. Works smoothly and will not catch.

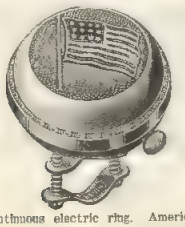
No.	Size gong	Wt. per doz	Per doz
2/0	2¼ in.	8 lbs.	$15 60

One twelfth dozen in a box, one dozen in a carton

Rotary electric stroke

No	Size gong	Wt. per doz.	Per doz
810	1¾ in.	3 lbs.	$4 50

One-twelfth dozen in a box; one dozen in a carton



Push button continuous electric ring. American flag enameled in colors

No	Size gong	Wt. per doz	Per doz.
81	2¼ in.	5½ lbs	$13 20

One-twelfth dozen in a box; one dozen in a carton

BICYCLE SIRENS

MAJESTIC

Has double ball bearings, adjustable to wear. Triple nickel plate.

	Wt. each	Each
Majestic	1¼ lbs	$1.50

One-twelfth dozen in a box.

BICYCLE HORNS

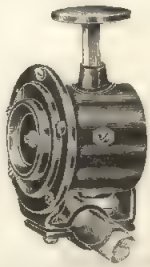
N. B.

A quality horn with the auto tone, having no small springs, ratchets, or pawls. Diaphragm with adjustable contact point. Finished in all black enamel, with nickel plunger. Complete with bracket.

	Size	Wt. each	Each
NB	3¼x4½ in.	11½ ozs	$1 20

One-twelfth dozen in a box.

ROLLFAST



A miniature automobile horn. Finished in black or khaki. Emits loud sound at the slightest touch of the plunger. Every part interchangeable. Furnished with two brackets—one for handle bar and one for top bar of frame.

	Size	Wt. each	Each
Rollfast	3x3 in.	1¼ lbs	$2.50

One-twelfth dozen in a box.

NEW LIVE SELLING PLAYTHINGS

Sell Toys The Year 'Round—Here Are The New Ones for Spring

A NEW "MILLER" BALL

Known wherever rubber balls are sold. A brand new design that will prove a popular seller, guaranteed not to wear off.

Ivory ball with wide black band and star cuts, very smooth finish.

	Diam.	In box		
F1604	2½ in.	1 doz	Doz.	$0.88
F1605	3 "	1 "	"	1.45
F1607	5 "	½ "	"	4.35

13 IN. DRESSED MAMA DOLL

F7588—13 in. high, composition character head, composition forearms, painted head and features, painted shoulders, gingham rompers and bonnet in assrd. colors, shoes and stockings and a strong Mama voice. Assrd. ½ doz. in pkg. Doz. **$8.50**

"ABC" RUBBER PLAY BALL— Painted Letters and Stripes

Exclusively a Butler Brothers' item. Exceptionally attractive design, striping and colored raised letters are entirely new and original.

Extra heavy pure white stock, exceptionally hard inflation, will bounce as high as any ball on the market, assrd. color raised numerals and letters, assrd. color stripes, red, green and blue.

F1589—2⅝ in. diam.	1 doz. in box	. . .	Doz.	**$1.35**
F1590—3⅛ "	1 "	. . .	"	**2.85**
F1591—3 "	½ "	. . .	"	**5.25**
F1592—7⅝ "	¼ "	. . .	"	**11.00**

"WHIRL-I-BUZZER"

Suitable for both indoor and outdoor use. Excellent action, very interesting.

F2075—Length 7 in. plane with two 5 in. propeller blades, heavy celluloid, strong wire frame, rubber flying cord 14 in. round handle, with slot. Assrd. color combinations. 2 doz. in box. (Total $1.78) Doz. **89c**

GILT PEWTER SOUVENIRS

Popular selling novelties for parties, dinners, etc. Largely used as favors. Sliding cover glazed paper box with appropriate label, and containing various small pewter favors or toys.

F2438—"Gone but not forgotten" consisting of beer stein collar button and beer glass. 1 set in box. 2 doz. sets in pkg (Total 78c) Doz. sets, **39c**

F2437 6 styles. "Ford tool chest." "You're too speedy." "May all your troubles be little ones." "Beat it while your shoes are good." "Throw away your hammer and get a horn." "Blue Monday." 1 set in box. Assrd. 2 doz. sets in pkg (Total $1.17) Doz. sets, **39c**

IRON TOY "FORD" TOURING CAR

A facsimile of the famous "Ford" car. All details carried out very carefully

F3090 — 6½x2¾ in., black enameled body, gilt trim, imitation rubber tires, nickeled chauffeur, 1 in box. ½ doz. in pkg Doz. **$3.98**

AMERICAN MADE DRESSED CRYING BABY DOLL

Without a doubt the biggest value on the market. "Effanbee" make—you can't buy these direct from the manufacturer at this price. Each doll with label.

F7549—Composition breast plate head and forearms, both finish painted features well modeled, soft stuffed bodies, loosely jointed limbs, strong crying voice, yellow pink and blue organdie dresses, lace trim collar and sleeves, contrasting ruffle on skirt, colored bloomers lace trim bonnet to match, wide tie strings, lace stockings, leatherette slippers. Each in box. Assrd. ½ doz. in pkg Doz. **$12.50**

18 IN. DRESSED MAMA DOLL

F7551—18 in., composition head, with breast plate, painted hair and features, composition arms, flowered lawn Pollyanna dress, solid color cuffs, pockets and cuff edges, tie back sash, lace trim neck cap to match with lawn tie strings. 1 in box. Each. **$1.85**

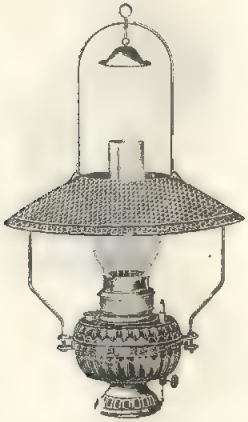
18½ IN. "MADAM HENDREN" MAMA DOLL

F7684—18½ in. chubby bodies and limbs, jointed, painted features and hair, composition head, hands and forearms, solid color organdie dress with flowers, lawn cuffs and deep sash at bottom of skirt, lace trim square neck, open slip with elastic across, self crown bonnet to match. 1 in box. Each **$3.75**

26 IN. DRESSED DOUBLE VOICED DOLL

F7554 26 in. "Ideal," Double Voice, new nickeled Hall vt. composition head painted hair and features, composition forearms, wide checked gingham rompers, head to rock, head with white lawn tie-strings, when tipped forward says "Mamma," tipped backward cries. 1 in box. Each. **$3.15**

HANGING LAMPS



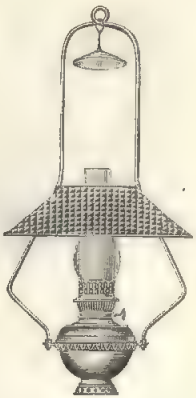
No. 3 Mammoth burner fount. Feeder wick. No. 536 lock ring harp. Tin reflector, painted green outside. Uses No. 3 Rochester chimney, and 4-inch circular wick. Lighted without removing the chimney

Specifications

Capacity fount	1 gal.
Height over all	33 in.
Height fount	11½ in
Diameter fount	8½ in.
Diameter reflector	18½ in
Shipping weight, each	20 lbs.

No.	Each
1167—Complete	$13 00

One in a case



No 2 Royal plain fount. No. 718 lock ring harp. Tin reflector.

Specifications

Capacity fount	⅜ gal
Height over all	30 in
Height fount	9½ in.
Diameter fount	6 in
Diameter reflector	14 in
Shipping weight, each	9 lbs

No.	Each
867—Complete	$8.00

One in a case.

Specifications

Fount	No.2FF
Burner	No. 2B
Wick	No B
Chimney	No 402
Bracket	No 69
Reflector	No. 7
Shipping weight per dozen	51 lbs

No.	Per doz
69C—Complete	$31.00

Loose.

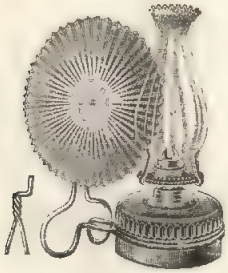
Specifications

Fount	No 2FF
Burner	No. 2B
Wick	No B
Chimney	No. 402
Bracket	No 71
Reflector	No 7
Shipping weight per dozen	64 lbs

No.	Per doz
71C—Complete	$36.00

Loose

LAMPS COMPLETE

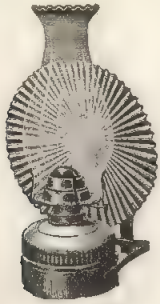


Specifications

Fount	No 21
Burner	No 2294
Wick	No. B
Chimney	No. 402
Bracket	No 01
Shipping weight per dozen	21 lbs.

No.	Per doz.
01C—Complete	$13.00

Loose.



Specifications

Fount	No. 21
Burner	No.2294
Wick	No. B
Chimney	No. 402
Bracket	No. 100
Shipping weight per dozen.	28 lbs.

No.	Per doz.
100C—Complete	$15 00

Loose

Specifications

Fount and Bracket	No. 10
Burner	No 2294
Wick	No. B
Chimney	No. 402
Shipping weight per dozen	20 lbs.

No.	Per doz.
10C—Complete	$18.00

Loose.

NUTMEG

Glass bowl. Plaster collars. Wire handle clamped to body of lamp. Fount burner and chimney complete.

No.	Capacity	Height	Ship. wt. doz.	Per doz.
181	¼ pt.	7 in.	9½ lbs.	$8.40

One-half dozen in a box.

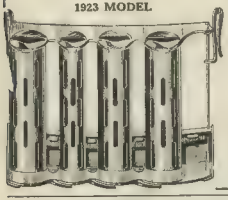
	Per doz.
Extra Chimneys	$1.60

Mannlicher Schoenauer Type Bolt Action Rifles for 30-06 U. S. Gov't Cartridges

We offer you the opportunity of placing your stock order for a popular Big Game Rifle at an unusually low price—Specifications and quotations on request. Stock Limited.

High Speed LEVER OPERATED Money Changers

1923 MODEL



HIGH SPEED MONEY CHANGERS are the best. Indispensable wherever the rapid and accurate handling of change is required, adapted to conductors, bus drivers, etc. 1923 model available for immediate delivery. Over a million sold.

J. L. GALEF

75 Chambers Street New York City

Complete catalogue featuring imported and domestic automatic pistols, revolvers, rifles, etc., will be cheerfully mailed upon request.

Do the Women in Your Town Work or Play at Gardening?

A complete set for the price of one regular tool.

KINGSBURY GARDEN SETS are specifically designed for hard usage by women and children and are guaranteed to give satisfaction under real working conditions. Handles are from 15" to 48" long; a length for every purpose.

SEND AT ONCE FOR COMPLETE INFORMATION

KINGSBURY MANUFACTURING CO.

KEENE, NEW HAMPSHIRE

Makers of the World's Best Trowel

New York Office: KINGSBURY KEENE NEW HAMPSHIRE 11-15 Union Square

HORSE SHOE NAILS

MAPLE LEAF HORSE NAILS

REGULAR HEAD

No.	Per lb.	Per Box	No.	Per lb.	Per Box
5	48	$12 00	8	42	$10 50
6	46	11 50	9	40	10 00
7	44	11 00	10	40	10 00

HOW PACKED

Five 5-lb. Cartons in Wooden Box.

NOTE

The Tough Swedish Steel from which these Nails are made guarantees their tensile strength, ease of clinching and unsurpassed holding power.

The Shape and Angle of the Head, the Taper and the Bevel of the Point ensure perfect driving and great care is exercised that all nails are uniform.

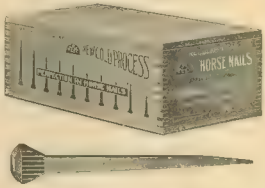
BRITISH HORSE NAILS

REGULAR HEAD

These are Genuine Imported British Horse Shoe Nails and are carried in stock in one size only, No. 5

No.	Price Per lb.	Price Per Box
5	.22	$5.00

M.R.M. HORSE NAILS



REGULAR HEAD

No.	Per lb	Per Box	No.	Per lb.	Per Box
5	36	$9 00	9	$0 36	$9 00
6	36	9 00	10	.36	9 00
7	36	9 00	11	.36	9 00
8	36	9 00	12	.36	9 00

HOW PACKED

5 lbs. in Carton—5 Cartons in Wooden Box.

NOTE

M. R. M. Nails are made by a Patented Cold Rolling Process from the Best Quality of Swedish Open Hearth Steel.

The Shape and Angle of the Head is made to a Standard Gauge which enables the Head to set perfectly in the crease of the Shoe, and particular attention has also been given to the Taper and to the bevel of the Point to ensure proper driving.

CAPEWELL HORSE NAILS

REGULAR AND CITY HEAD

No.	Per lb.	Per Box	No.	Per lb.	Per Box
5	$0 56	$14 00	9	$0 48	$12 00
6	.54	13 50	10	48	12 00
7	.52	13 00	11	48	12 00
8	.50	12 50	12	48	12 00

HOW PACKED

5 lbs. in Carton—5 Cartons in Wooden Box.

CAPEWELL PLATE NAILS

In 1 lb. Cartons

No.	2	3	4	4½
Per b.	$6.16	$3.16	$1.16	$1.06

"PITCH EM" HORSE SHOE GAME

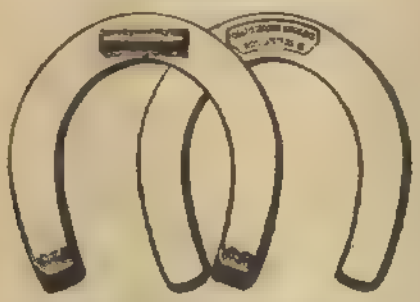
Indoor game, play in the parlor or on the lawn.

No. 1—Horse shoes of best rubber on flexible steel, four to a set, two metal discs with upright posts for indoor use, two neat wooden pegs for outdoor use, w't per doz. sets 35 lbs., per dozen sets $22.00

ONE SET IN A BOX, ONE DOZEN SETS IN A CASE

OFFICIAL REGULATION HORSE SHOES

For Pitching.



"These will make ringers"

ORIGINAL Drop Forged Steel Shoe. Regulation size and weight, perfectly smooth and well balanced. This is not a casting but forged from special steel. Hardened and will not splinter. Gilt finish to prevent rusting.

Have been on the market for one year and are giving entire satisfaction. Guaranteed for one season. Pair consists of two shoes.

No. 22—Size 7x7½ in. w't 2½ lbs., per pair $3.50
ONE PAIR (2) IN A BOX

JUNIOR

For Ladies, Children and Boy Scouts.

This is a light pattern of Horseshoe drop forged steel shoe, designed for those wishing to pitch a light shoe. Gilt finish.

Very neat, just the thing for ladies, children and Boy Scouts.

There is no better sport than pitching horse shoes; it tends to develop the whole physical anatomy; also trains the eye for distance. Pair consists of two shoes.

No. 22J—Size 6¼x6⅝ in. w't 1½ lbs., per pair $2.80
ONE PAIR (2) IN A BOX

MAPLE DUMB BELLS

First quality maple, finished in hard oil, polished.

A pair of 1 lb. dumb bells weighs 2 lbs.

No. F20—

Pounds	1-2	3-4	1
Per dozen pairs	$11.20★	12.80★	15.70★
Pounds	1½	2	2½
Per dozen pairs	$19.60★	23.10★	26.90★
[illegible]			3
Per dozen pairs			$30.10★

MAPLE INDIAN CLUBS

First quality maple, finished in hard oil polished.

A pair of 1 lb. Indian clubs weighs 2 lbs.

No. F10—

Pounds	1-2	3-4	1
Per dozen pairs	$13.50★	14.10★	17.10★
Pounds	1½	2	2½
Per dozen pairs	$20.20★	25.00★	27 20★
[illegible]			3
Per dozen pairs			$30.45★

WHITELY EXERCISERS

No. 00—Whitely Ideal, with chart, short cable, suitable for boys or girls, light or medium, w't per doz. 15 lbs. .....per dozen $36.00

PACKED COMPLETE WITH SCREWS. ONE SET IN A BOX

HOCKEY STICKS

No. 11—Second growth ash, blade 1⅜ in. wide, a strong reliable stick, w't per doz. 12 lbs., per dozen $7.50

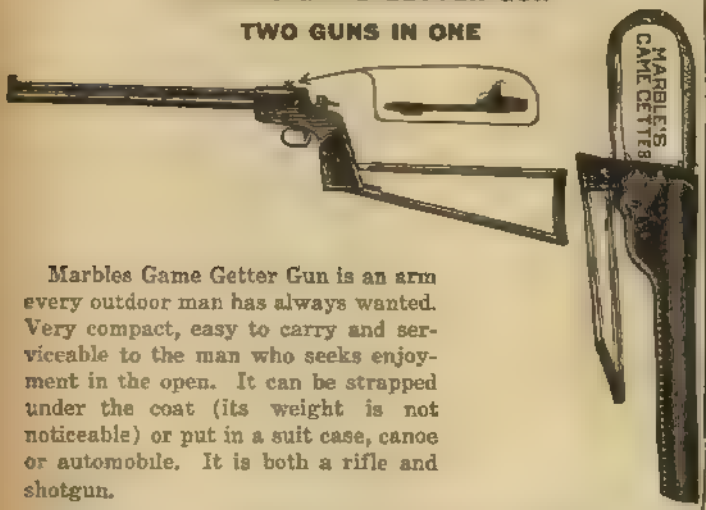
No. 30—Standard second growth ash, blade 1⅜ in. wide, finished in a very superior manner, w't per doz. 9 lbs., per dozen $7.50

No. 26—Boys, second growth ash, blade 1⅛ in. wide, an exceptional value at the price, w't per doz. 8 lbs. per dozen $5.50

★ Items Marked Thus ★ Are Shipped From Factory Only.

MARBLES GAME GETTER GUN

TWO GUNS IN ONE



Marbles Game Getter Gun is an arm every outdoor man has always wanted. Very compact, easy to carry and serviceable to the man who seeks enjoyment in the open. It can be strapped under the coat (its weight is not noticeable) or put in a suit case, canoe or automobile. It is both a rifle and shotgun.

Fitted with a rear sight that gives three combinations; folding leaf with small "U" notch; stationary buck horn with large "U" notch and folding peep with 3/32 in. aperture. Folding leaves can be turned down quickly with the thumb. Front sight 1/16 inch gold bead.

Striker—Is adjustable to either barrel as desired.

Hammer—Rebounds to safety notch after firing.

Ejector—Strong, but simple, partially ejects from both barrels at the same time.

Receiver Lock—Trigger guard must be pulled back to open breech.

Folding Stock—Made from cold rolled steel, nickeled. To place in rigid position, swing it backward, pulling back on sliding lock. Stock is locked by a strong sliding lock, which enters a notch ¼ in. deep, at base of grip.

Frame—Drop forged, blued.

Specifications; Barrels—Round, blued, single trigger, leather holster with strap, walnut grips.

MODEL A

Upper Barrel—Shoots 22 caliber short, long and long rifle cartridges.

Lower Barrel—Shoots 2 inch, 410 gauge loaded shot shells and 410 gauge single ball shells.

No. F2112—Marbles Game Getter Gun, 12 inch barrels, complete with fine leather holster, w't 3¼ lbs., each★ $41.30

No. F2115—Marbles Game Getter Gun, 15 inch barrels, complete with fine leather holster, w't 3¼ lbs., each★ $43.85

No. F2118—Marbles Game Getter Gun, 18 in. barrels, complete with fine leather holster, w't 3¼ lbs., each★ $46.45

MODEL B

Upper Barrel—Shoots 22 caliber short, long and long rifle cartridges.

Lower Barrel—Shoots 2½ in. 410 gauge loaded shot shells only.

No. F2212—Marbles Game Getter Gun, 12 in. barrels, complete with fine leather holster, w't 3¼ lbs., each★ $41.30

No. F2215—Marbles Game Getter Gun, 15 in. barrels, complete with fine leather holster, w't 3¼ lbs., each★ $43.85

No. F2218—Marbles Game Getter Gun, 18 in barrels, complete with fine leather holster, w't 3¼ lbs., each★ $46.45

HAMILTON SINGLE SHOT RIFLES

TAKE-DOWN

Tapered bronze barrel, rifled with great care, length 16 in., built up steel jacket gives great strength, durability and accuracy, solid breech block makes action absolutely safe from rear explosion, front knife and open rear adjustable sights, automatic ejector, w't 3 lbs.

.22 Caliber, adapted to 22 short or long cartridges.

No. 27—Each $4.60

HAMILTON HAMMERLESS REPEATING

MODEL 39—TAKE-DOWN—.22 CALIBER

A hammerless, take-down model, with pump action. The magazine holds fifteen 22 short rim fire cartridges and twelve 22 long rim fire cartridges. It has an automatic lock which prevents accidental discharge while operating pump action, as the trigger cannot be pulled until breech is locked in firing position.

Barrel is bronze lined, accurately rifled, with solid steel breech. Front sight knife pattern, rear sight open and adjustable, stock and forearm genuine walnut, turned. Length over all, 35 in., length of barrel assembly when taken down, 21½ in., w't about four pounds. Each rifle is packed in cardboard box.

No. 39—.22 caliber take-down adapted to .22 short and long cartridges, w't about 4 lbs. ..... each $17.50

ONE IN A BOX

OVB
OUR VERY BEST

Our Very Best for Fifty Year
Has Stood the Test

BENJAMIN PUMP AIR RIFLE

TAKE-DOWN, SINGLE SHOT

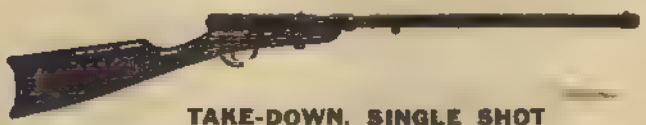
Nickel plated barrels, walnut stock, single shot take-down, larger barrel is the pump and air chamber, smaller one is the shooting barrel, length 37 in., w't 2 lbs.

No. 5025—Per dozen $80.00

Pneumatic, operated entirely by air; not a spring gun.

ONE DOZEN IN A CASE

QUAKENBUSH



TAKE-DOWN, SINGLE SHOT

No. 7—Shoots strong and accurately, 17-100 felted slugs, BB air rifle shot or 17-100 darts, 17 in, round barrel, blued finish, metal parts all steel except inner barrel which is made of brass, American walnut finished stock, nicely varnished, action and trigger gray blue finish, length over all 38 in., w't each 2¾ lbs., per dozen $129.60

By simply pushing in the barrel the gun is cocked and the breech opened for handy loading. An excellent arm for small game, also well adapted for target shooting.

ONE IN A BOX WITH SIX STEEL DARTS AND THREE FANCY PAPER TARGETS

No. 17-100 Felted slugs for No. 7 Quackenbush and other small bore rifles .....per 1000 $2.30

Felted slug prevents leakage of air, desirable for accurate shooting.

ONE HUNDRED IN A BOX

AIR RIFLE DARTS

No. 47—Sharp, steel points, with assorted colors, red, yellow and blue flight guides, w't per gro. ¾ lb., per gross $4.00

ONE DOZEN IN AN ENVELOPE

Hibbard
HARDWARE *for* HARD WEAR

AIR RIFLE SHOT

STEEL, BULL'S EYE

Put up in strong paper tubes, 225 pellets in a tube carries further, penetrates deeper, more uniform in size and superior to any other, with the exception of the "Daisy" Pump, it fits all air rifles.

Less Than Case Lots.

No. 13—In tubes, w't per doz. 2 lbs., per dozen tubes $1.00

Case Lots

No. T14—In case lots of 100 tubes, w't, case 22 lbs. .....per case $7.50

Five Case Lots.

No. T145—In five case lots, 100 tubes in case, w't per case 22 lbs. .....per case $7.50

LEAD, TATHAM BOY SCOUT

Fits all Air Rifles, put up in new style strong waterproof black tube with brass cap shot release, 4. oz shot in each tube or about 225 pellets, w't per doz. tubes 2½ lbs., w't per case 30 lbs.

No. 15—In tubes .....per dozen tubes $1.30

No. T16—In case lots of 100 tubes, per case $8.80

LIQUID PISTOLS

Designed after the latest automatic pistol and would readily be taken for one.

Will throw a fine stream of water a distance of 25 feet. When filled with ammonia diluted with water it makes a very effective weapon against vicious dogs.

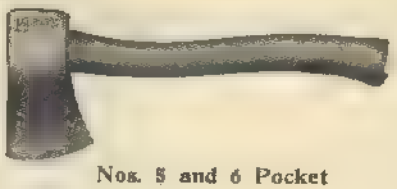
No. 8-G—Daisy, length 5½ in., steel, blued finish, simple to load and discharge, no rubber bulb to get out of order, w't per doz. 4 lbs. .....per dozen $4.00

ONE IN A CARTON

ALBANY HARDWARE & IRON CO.

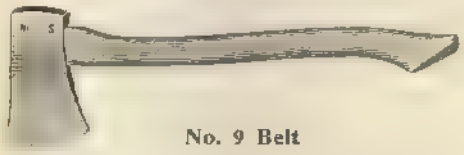
MARBLE'S HUNTER'S AXES

Nos. 2 and 3 Pocket

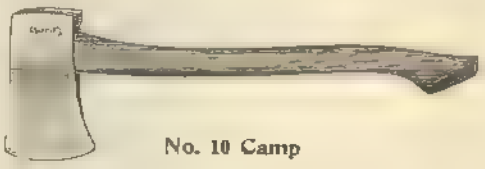


Nos. 5 and 6 Pocket

Nickel plated, spring hinged guard is lined with lead and folds into handle. Sharpened tool steel blade carefully tempered. Nickel plated drop forged steel handles with rubber side plates.



No. 9 Belt



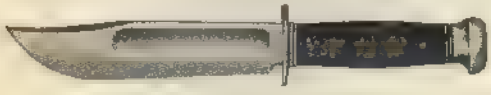
No. 10 Camp

Sharpened and tempered tool steel blade. Machined eye fitted perfectly with thoroughly seasoned selected hickory handle. No. 10 has a nail claw in the head.

No.	Blade	Length	Handle	Weight	Packed	Weight	Each
2	2⅛x4 in.	11 in.		20 oz.	2	40 oz.	$3.25
3	2½x4⅛ in.	11½ in.		27 oz.	2	54 oz.	3.50
5	2⅛x4¼ in.	10½ in.		16 oz.	2	32 oz.	2.00
6	2¾x4¾ in.	11½ in.		20 oz.	2	40 oz.	2.25
9	2⅜x4½ in.	. .	14 in.	20 oz.	2	40 oz.	1.50
10	3¼x5½ in.	. . .	20 in.	30 oz.	2	60 oz.	2.50

MARBLE'S HUNTING KNIVES

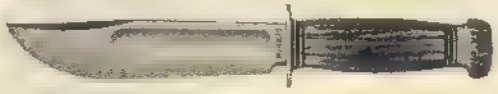
With Leather Sheaths



No. 45 Ideal Hunting

Leather handle, brass hilt, aluminum tip

No.	Blade	Weight	Packed	Weight	Each
45	5 in.	7 oz.	6	42 oz.	$2.75
45	6 in.	8 oz.	6	48 oz.	3.00
45	7 in.	10 oz.	6	60 oz.	3.25
45	8 in.	14 oz.	6	84 oz.	3.50



No. 46 Ideal Hunting

Stag handle, brass hilt, aluminum tip

No.	Blade	Weight	Packed	Weight	Each
46	5 in.	7 oz.	6	42 oz.	$3.50
46	6 in.	8 oz.	6	48 oz.	3.75
46	7 in.	10 oz.	6	60 oz.	4.00
46	8 in.	14 oz.	6	84 oz.	4.25

See pages 371, 372 for other sportsmen's knives

No. 545 Expert

Designed for professional hunters, trappers and guides. Thin keen edge for dressing furs and skins, slicing and peeling. Back of blade used for scraping skins while on the forms. Brass bolster, leather handle, aluminum tip.

No.	Blade	Weight	Packed	Weight	Each
545	5 in.	6 oz.	6	36 oz.	$2.50

No. 50 Woodcraft

Thick back, tapering bevel thin blade carries strength from handle to point.

Used for breaking bones, cleaning, skinning, slicing, sticking, etc.

No. 49, Bone handle, No. 50, Stag handle.

No.	Blade	Weight	Packed	Weight	Each
49	4½ in.	6 oz.	6	36 oz.	$2.25
50	4½ in.	6 oz.	6	36 oz.	3.00

SHEATHS

No. 39

No.	For	Packed	Weight	Each
29	No. 9 axe	1	4 oz.	$0.75
30	No. 10 axe	1	6 oz.	.75
39	5, 6 in. knife	1	4 oz.	.60
39	7 in. knife	1	4 oz.	.75

COMPASSES

No. 2915

Same in all respects as No. 2911 Maguapole Compass, except that it has a hunter style case

1 in box, 6 in carton

Packed, ½ doz., weight, ⅜ lb ....per doz., **$48.00**

No. 2916

Same in all respects as No. 2912 Flodial Compass, except that it has a hunter style case.

1 in box, 6 in carton

Packed, ½ doz., weight, ⅜ lb..... .....per doz, **$48.00**

No. 2917

Same in all respects as No 2913 Litenite Compass, except that it has a hunter style case.

1 in box, 6 in carton

Packed, ½ doz., weight, ⅜ lb per doz., **$54.00**

Nos. 082, 082L, 182

Waterproof brass case, 1⅛ inches in diam. Attaches to outside of coat. So balanced that it can be read while walking.

No.	Dial	Packed	Weight	Each
082	Revolving	1	2 oz.	**$1.50**
082L	Luminous	1	2 oz.	**2.00**
182	Stationary	1	2 oz.	**1.25**

Nos. 184, 186, 186L

Same description as Nos. 082, 082L, 182, except for pocket

No.	Dial	Packed	Weight	Each
184	Stationary	1	1 oz.	**$1.00**
186	Revolving	1	1 oz.	**1.25**
186L	Luminous	1	1 oz.	**1.75**

PEDOMETERS

Each step vibrates automatic, watch like, mechanism, thus setting the cog wheels in motion and recording the distance walked by the wearer, up to 100 miles.

Nickel plated case, 1¾ inches in diameter.

Packed, 1, weight, 2 ozs.....,each, **$2.50**

MARBLE'S HUNTING KNIVES

Marble's Hunting Knives are forged from Razor Steel, are hand tempered, tested and honed to a Keen edge. Each Knife is fully Guaranteed.

IDEAL HILT KNIVES

A combination of quality and excellent features of design and finish, that has won a world wide reputation.

The blade is adapted to sticking and skinning. It is oval ground at back of point for chopping bones and other hard substances.

Laminated Leather Handle, with colored hard fibre and brass washers. Has flush aluminum tip. Complete in leather sheath

No. 45—Blade, in.	5	6
W't per doz., lbs.	6¼	7½
Per dozen	$49 80	54.40

HALF DOZEN IN A BOX

Stag Horn Handle, with colored hard fibre, leather and brass washers. Has flush aluminum tip. Complete in leather sheath.

No. 46—Blade, in.	5	6
W't per doz., lbs.	6¼	7½
Per dozen	$63.40	68.00

HALF DOZEN IN A BOX

CANOE KNIVES

Some of the prominent canoeists of the country requested a knife for their use. Marbles Canoe Knife has won their approval as it is "short and stout."

When sailing a canoe or yacht, a short, keen sheath knife is a necessity for slashing rigging in case of sudden squall or capsizing.

Laminated Leather Handle, with colored hard fibre and brass washers. Has flush aluminum tip. Complete in leather sheath with point protector.

No. 51—4½ in. blade, w't per doz. 5 lbs., per dozen $45.30

HALF DOZEN IN A BOX

Stag Horn Handle, with colored hard fibre, leather and brass washers. Has flush aluminum tip. Complete in leather sheath with point protector.

No. 52—4½ in. blade, w't per doz. 5 lbs., per dozeen $58.80

HALF DOZEN IN A BOX

WOODCRAFT KNIVES

The desirable features of several knives embodies in one. Is adapted for sticking, skinning, cleaning, slicing, breaking bones, etc.

The thick tapering bevel blade carries the strength from handle to point. Back of blade close to handle is checkered to give a firm grip with thumb and finger. The back of point is beveled for chopping, breaking bones, etc.

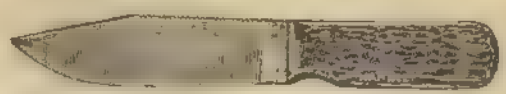
AN ALL PURPOSE WOODMAN'S KNIFE.

Laminated Leather Handle, with colored hard fibre and brass washers. Has flush aluminum tip. Complete in leather sheath.

No. 49—4½ in. blade, w't per doz. 5 lbs., per dozen $40.80

HALF DOZEN IN A BOX

DALL DE WEESE PATTERN



Designed by Dall DeWeese, for use on expedition after big game, where every item of the outfit has to be figured down to the lightest and most compact form. It has a dull saw back on which the thumb is placed when skinning or cutting hard substances. When sticking the little finger should be doubled up, letting the end of handle rest against it. This takes the place of a hilt.

Stag Horn Handle, with groove to fit finger. Complete in leather sheath with point protector.

No. 62—4 in. blade, w't per doz. 4 lbs., per dozen $36 20

HALF DOZEN IN A BOX

EXPERT KNIVES

Particularly designed to meet the requirements of the professional hunter, trapper and guide, who requires a thin, keen-edge for dressing skins and furs.

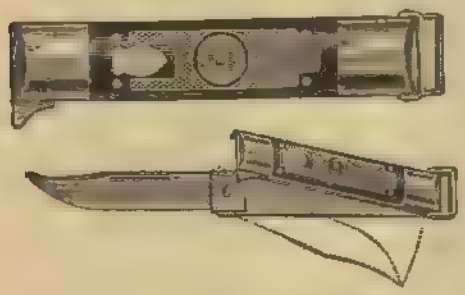
The back of the blade is designed for scraping skins while on the forms.

Laminated Leather Handle, with colored hard fibre and brass washers. Has flush aluminum tip. Complete in leather sheath with point protector.

No. 545—5 in. blade, w't per doz. 5 lbs., per dozen $45.30

HALF DOZEN IN A BOX

HUNTING KNIVES



A slight pressure on the shield opens the knife, swings blade out into cutting position, closes case or handle and you have a rigid knife that is ready for business.

No torn thumb nails or sore fingers, no projections to catch or tear clothing.

Adaptable for every outdoor use. For hunting, fishing, camping, etc., it has no superior. Blades can be easily changed. Unconditionally warranted.

No. 961—Neft safety knife, made of the highest grade crucible steel, scientifically tempered and ground to a keen and lasting edge, length of blade 4¼ in., length of knife when closed 5¼ in., scored hard rubber handle, large nickel silver bolsters with guard and toggle to attach to rope or key chain, small metal wrench for interchanging blades .....per dozen **$60.00**

HALF DOZEN IN A BOX

MARBLE TROUT KNIVES

Latest addition to Marble Line. Designed expressly for dressing speckled trout and other fish.

Always open, entirely sanitary, quickly cleaned. While designed expressly for dressing speckled trout, may be used for a variety of purposes for which any small pocket knife could be used. The little finger is inserted about one-half its length in ring while the three remaining fingers and thumb are placed just back of blade against curve of shank.

No. 79—Forged from one piece of finest cutlery steel, handle terminates in a ring 1 in. in diam., full length 5⅛ in., blade 2 in., w't each 1 oz., complete with metal bound leather sheath .....per dozen **$12.60**

ONE DOZEN IN A BOX

MARBLE HUNTING KNIVES

Made from a special grade steel similar to that of the very best razor steel. Not the regular butcher knife steel. Hand forged, swaged and polished. Ground to a very sharp razor edge. Second ebony handle. Fastened to blade with three large head brass rivets. The blade extends through the entire length of the handle.

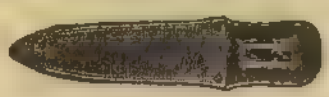
No. 745—5 in. blade, full length 9¼ in., **without sheath** w't per doz. 3 lbs. .....per dozen **$13.50**
For Leather Sheath for No. 745 hunting knife, see No. 955 sheath illustrated on this page.

HALF DOZEN IN A BOX

No. 7803—Extra finish, finest quality, scored ebony handle, metal bolster, 6 in. polished and swaged blade, **without sheath** .....per dozen **$12.00**
For Leather Sheath for No. 7803 hunting knife, see No. 955 sheath illustrated on this page.

HALF DOZEN IN A BOX

LEATHER SHEATHES FOR HUNTING KNIVES



Made of heavy Russet Leather, embossed front, strongly sewed., fitted with two copper rivets at the top thus affording the greatest strength where it is most required fitted with loops through which a belt may be slipped.

Nos.	955	956
For blades, in.	5 and 6	7 and 8
Full length, in.	9¾	11
Per dozen	$3.00	3.50

MARBLE HUNTING KNIVES

Stag handles, nickeled silver guard, hand forged crucible steel blade, clip point, crocus polished, **leather sheath.**

Nos.	7375	7376
Blades, in.	5	6
Per dozen	$35.50	41.00

HALF DOZEN IN A BOX

COMPASSES

MAGNAPOLE

White metal case. Enameled dial. Bar needle, with jeweled center.

No.	Wt. per doz.	Per doz.
2911	1 lb	$21.60

One-twelfth dozen in a container; one dozen in a counter display box.

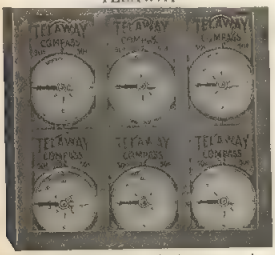
LEEDAWL

White metal case. Silvered metal dial. Jeweled needle.

No.	Wt. per doz.	Per doz.
2910	1 lb	$21 00

One-twelfth dozen in a container; one dozen in a counter display box

TELAWAY



Gun metal case. Size, 1⅛ inches. Dial of enameled card. Jeweled needle.

No.	Wt. per doz	Per doz.
2905	¾ lb	$12.50

One-twelfth dozen in a container; one dozen in a counter display box.

MARBLE

No. 184

No. 186

Made with waterproof screw case. The bracket is made like a double safety pin, and fastens to coat, vest or belt. In plain view at all times. Balances so accurately that you can keep your direction while walking. Bearings are of finest agate.

No.	Wt. each	Each
184	1 oz	$1.25
186	1 oz	1.50

One in a container, twelve in a display carton.

MARBLE

No. 082

No. 182

No		Wt. each	Each
082	Revolving dial	2 ozs	$1 75
182	Stationary dial	2 ozs	1.50

One in a box; twelve in a display carton.

PEDOMETERS

One-hundred-mile pedometer. Used to tell how far you walk. Slip the pendant attached to the pedometer over the top of your pocket or belt—must be in upright position to register. Regulate according to distance of your step from heel to heel. Spaced off in quarters, halves, three-quarters and miles. Nickel plated case.

No.	Wt. each	Each
200	5 ozs	$3.30

One in a box.

ALARM CLOCKS

SESSIONS
COLUMBIA EIGHT-DAY

Thin model case. One winding in eight days; this applies equally to the alarm for a 1-minute ring each day. The cutoff switch is conveniently arranged

	Dial	Height	Wt each	Each
Columbia	4½ in	7¼ in	2¼ lbs	$6.00

One in a carton; twenty-four in a case

ACE EIGHT-DAY

Case, seamless brass, nickel plated. Movement, eight-day, time and alarm. To adjust, shut off so clock will alarm, raise ball on stem. To stop alarm, press ball down. Bell on back

	Dial	Height	Wt each	Each
Ace	3½ in	6 in	1¾ lbs	$5 00

One in a carton; twenty-four in a case

NEW HAVEN
TATTOO

Case, seamless brass. Knurled front, with 4-inch bell metal gong on back. Finish, nickel plated. Movement, one day alarm. Rings intermittently every 20 seconds for 15 minutes. Fitted with alarm and a "Silent" switch.

	Dial	Height	Wt each	Each
Tattoo	4½ in.	6¼ in	1½ lbs	$4.50

One in a carton; twelve in a case

INGRAHAM
INDIAN

A large open-face alarm. Thirty-hour time alarm. By drawing the ball at the stem up the alarm is set and by pushing it down the alarm is shut off. Nickeled and polished.

	Dial	Height	Wt each	Each
Indian	4⅛ in.	4½ in.	1 lb	$2 50

One in a carton; fifty in a case.

WATERBURY
NO-SLEEP

A 30-hour top bell alarm clock. Full nickle case. Arabic dial

	Dial	Height	Wt each	Each
No-Sleep	4⅛ in.	4½ in.	1 lb.	$1.25

One in a carton; fifty in a case.

AUTOMATIC PISTOLS

MAUSER POCKET MODEL

Perfectly balanced, powerful, accurate and efficient. Flat shaped, has no sharp edges. Simple construction and can be dismantled and reassembled in a few seconds. Adapted to shoot 25 and 32 caliber Colt automatic cartridges.

Blued Finish

	Caliber	Capacity	Lgth. barrel	Wt. each	Each
Mauser	.25 (6.35 m/m),	9 shot	3 in.	15 ozs.	$21.00
Mauser	.32 (7.65 m/m),	8 shot	3½ in.	21 ozs.	22.00

One in a carton.

EXTRA MAGAZINES

	Each
25 caliber	$3 50
32 caliber	3.50

LUGER

Nine shot automatic pistol. Shoots American ammunition. Length over all, 9 inches. Maximum range, 1950 yards. Point blank range, 110 yards. Muzzle velocity, 1150 feet.

Blued Finish

No.	Caliber	Capacity	Lgth. barrel	Wt. each	Each
7 65	7.65 m/m	9 shots	3⅝ in.	29 ozs.	$30.00

One in a carton.

	Each
Extra Magazines	$2.50

IMPORTED LUGER HOLSTERS

Heavy sole leather with flap and buckle. Complete with extra pocket containing one 7.65 Luger magazine.

Weight	Each
¾ lb.	$7.00

AUTOMATIC PISTOLS

ASTRA

.25 caliber

.32 caliber

Imported automatic pistol, rubber stock. Action is automatic except that the trigger must be pulled to fire each shot. (Continued discharge will not result in one pull of trigger). Safety device on side of pistol.

Blued Finish

	Caliber	Capacity	Lgth. barrel	Wt. each	Each
Astra	.25	6 shot	2¼ in.	13 ozs.	$14 50
Astra	.32	9 shot	3½ in.	29 ozs.	17.00

One in a carton.

EXTRA MAGAZINES

	Each
.25 caliber	$1.50
.32 caliber	1.50

GAME GETTER GUNS

MARBLE

TWO GUNS IN ONE, FOR SHOT OR BALL

Target Rifle or Pistol—Big Game Gun—Shotgun
The only all around arm.

Upper barrel .22 caliber, lower barrel, .44 caliber. Smooth bore. Shoots .22 C. B., .22 short, long and long rifle, .44 shot, .44/40 round ball cartridges, 410 gauge shot shells. Round blued barrel. Drop forged frames, steel tubing stock. Nickel plated. With finest case leather holster. Flexible rear sight lock leaf sight and gold bead front sight.

Blued Finish

No.	Caliber	Length barrel	Wt. each	Each
M21	22 44	12 in.	2¼ lbs.	$25 50
M21	22 44	15 in.	2½ lbs.	27 00
M21	22 44	18 in.	2¾ lbs.	28 50

One in a wooden box.

PEARL REVOLVER STOCKS

FOR COLT AND S. & W. REVOLVERS

COLT

	Per pair
*Automatic, .45 caliber	$15.00
Automatic, .38 caliber	10 00
Automatic, .32 caliber	10 00
Automatic, .25 caliber	4 50
*Single Action Army	16 00
*New Service	19 00
*Army Special	8 00
*New Pocket	5 00
*Pocket Positive	6 50

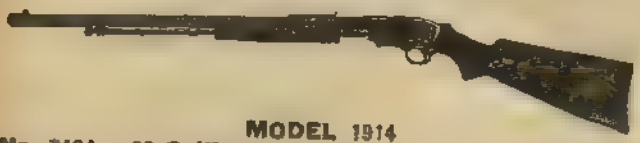
SMITH & WESSON

	Per pair
*Regulation Police	$20 00
*Hand Ejector	4 00
*Military Model 1902	6 50
*Military Model 1905	8.50
*Hammerless	3 50
*Target Model	3 50
*Single Shot	3 50

*Factory shipment only.

RIFLES

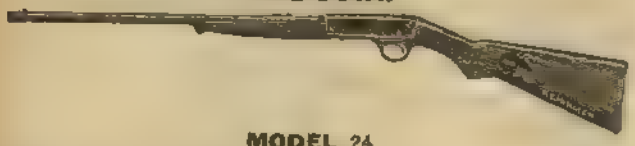
SAVAGE REPEATING



MODEL 1914

No. 7424—.22 Caliber, 24 in. octagon barrel, hammerless take-down extra full pistol grip stock, corrugated steel butt plate, solid top, side ejection, positive safety, trombone action, tube magazine handling twenty .22 short, seventeen .22 long or fifteen .22 long rifle rim fire cartridges. Fitted with metal bead front and adjustable wind gauge rear sights. Length taken down 27½ in., w't 5¾ lbs. .....each $33.50

REMINGTON AUTO LOADING HAMMERLESS TAKE-DOWN



MODEL 24

Stock—American walnut with half pistol grip and steel butt plate.
Barrel—Remington Steel, round, 19 in. length.
Sights—Adjustable straight bar rear sight and white metal bead front sight. Receiver matted as an aid for quick alignment of sight.
Loading—To load rifle draw magazine tube to rear and insert cartridges into loading hole, in the side of stock.
Action—Simple, strong and readily taken apart (for cleaning) without use of tools. Hammerless solid breech construction.
Ejection—Empty shells ejected from bottom, away from the shooter's face and out of line of sight.
Take-Down—Quick, strong and dependable, being the same interrupted-thread system used in Remington Repeating Shot Guns. Barrel may be removed quickly without use of tools, permitting cleaning from breech.
Safety—Cross bolt type, located conveniently in front portion of trigger guard for operation with trigger finger.
Portability—When taken down may be packed in space 19 in. long. A 20 in. suit case will carry the rifle nicely.
Ammunition—Rim Fire Smokeless Lubricated or Semi Smokeless, in either solid or hollow point bullet. Lubricated cartridges ALWAYS should be used. All Semi-Smokeless Ammunition is lubricated

No. 1026—.22 Caliber Short Rim Fire, length over all 37 inches., magazine capacity 15 cartridges, w't 4¾ lbs. Each $45 45

No. 1027—.22 Caliber Long Rifle Rim Fire, length over all 37 in., magazine capacity 10 cartridges, w't 4¾ lbs. Each $45.45

ONE IN A BOX, TEN IN A CASE

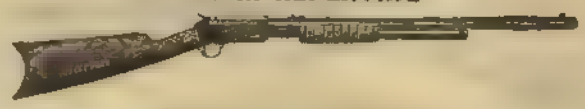
REMINGTON AUTOMATIC

"STANDARD," 16A HAMMERLESS

No. 1025—.22 caliber, .22 in. round barrel, take-down, straight grip walnut stock, steel rifle butt plate, solid breech side ejection, screw adjustin rar sight and white metal bead front sight. Adapted for sixteen .22 **Remington** automatic rim fire cartridges. Winchester automatic cartridges are not adapted to this rifle, w't 5¾ lbs. .....each $68.15

ALL ABOVE, TEN IN A CASE

MARLIN REPEATING



MODEL 27—HAMMER

Slide action, visible hammer, side ejection, solid top, closed in frame, smokeless steel barrel, ivory bead front and Rocky Mountain rear sights, barrel, receiver and butt plate blued finish, black walnut butt stock and action slide handle. The only slide action repeater made for the popular 25-20 and 32-20 High Velocity Cartridges, as well as the regular Semi-Smokeless and Low Pressure Smokeless Cartridges.

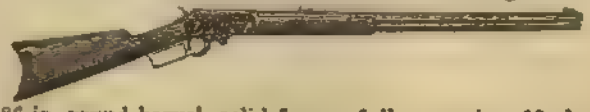
No. 2724—.25 caliber, rim fire, 24 in., round barrel, take-down, half magazine, 8 shots, w't 5¾ lbs., each $49.60

No. 2725—.25-20 caliber, center fire, 24 in. octagon barrel, take-down, half magazine, 7 shots, w't 5¾ lbs., each $52.40

No. 2732—.32-20 caliber, center fire, 24 in. octagon barrel, take-down, half magazine, 7 shots, w't 5¾ lbs., each $52.40

MODEL 93—HAMMER

Lever action, visible hammer, side ejection, solid top, closed in frame, Special Smokeless Steel barrel, Rocky Mountain front and rear sights, case hardened receiver, blued steel butt plate, black walnut butt stock and forearm. Adapted to use High Power Smokeless Cartridges.



26 in. round barrel, solid frame, full magazine, 19 shots, w't 7¼ lbs.

Nos.	9330	F9332	F9340	F9355
Caliber	.30-30	.32	.32-40	.38-55
Each	$52.00	52.00★	52.00★	52.00★

26 in. octagon barrel, solid frame, full magazine, 10 shots, w't 7¼ lbs.

Nos.	9430	F9432	F9440	F9455
		Win.Spec.		
Caliber	.30-30	.32	.32-40	.38-55
Each	$54.40	54.40★	54.40★	54 40★

MODEL 93—CARBINE

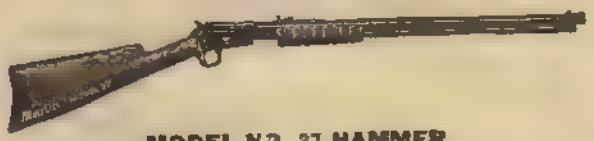
Lever action, visible hammer, side ejection, solid top, closed in frame, Special Smokeless Steel barrel, carbine front and rear sights, case hardened receiver, blued steel butt plate, black walnut butt stock and forearm. Adapted to use High Power Smokeless Cartridges.

No. 9530—.30-30 caliber, 20 in. round barrel, solid frame, full magazine, 7 shots, w't 6¼ lbs. .....each $52.00

No. F9532—.32 Win. special caliber, 20 in. round barrel, solid frame, full magazine, 7 shots, w't 6¼ lbs.★ frame, full magazine, 7 shots, w't 6¼ lbs.★ ..each $52.00

★ Items Marked Thus ★ Are Shipped from Factory Only.

MARLIN 22 CALIBER TAKE DOWN REPEATING RIFLES



MODEL NO. 37 HAMMER

The Model 37 Marlin .22 Caliber Repeating Rifle is a well balanced modern take-down side ejecting rifle, not an old style top ejector. It has the fast handling slide action with a visible hammer. Made with a standard weight, full length barrel and butt stock. A substantial looking well-made firearm. This rifle is the only slide action repeater that gives 25 shots at one loading. Magazine holds twenty-five .22 Short, twenty .22 Long or eighteen .22 Long Rifle cartridges. Equipped with Ivory Bead front sight and Rocky Mountain flat top rear sight, made especially for quick accurate shooting.

No. 3722—.22 caliber, take-down, 24 in. round tapered barrel, full magazine, rubber butt plate. W't about 5½ lbs each $34 90

ONE IN A CARTON

MODEL 39—HAMMER

Lever action, visible hammer, side ejection, solid top, closed in frame, ivory bead front and special flat top rear sights, blued barrel and case hardened receiver, hard rubber butt plate, pistol grip butt stock and forearm of black walnut. The only .22 caliber repeater with lever action.

No. 3922—.22 caliber, 24 in. octagon barrel, take-down, full magazine, adapted for twenty-five 22 short, twenty 22 long, or eighteen 22 long rifle, w't 5¾ lbs., each $42.40

MODEL 38—HAMMERLESS

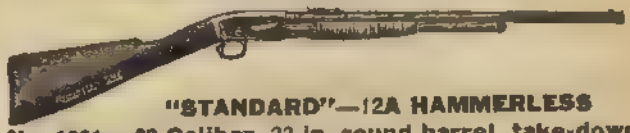
Slide action, side ejection, solid top, closed in frame, ivory bead front and Rocky Mountain flat top rear sights, barrel and receiver blued finish, hard rubber butt plate, black walnut pistol grip butt stock and action slide handle.

No. 3822—.22 caliber, 24 in. octagon barrel, take-down, half magazine, handles at one loading fifteen 22 short, twelve 22 long or ten 22 long rifle, w't 5½ lbs., each $37 60

MODEL 38—HAMMERLESS

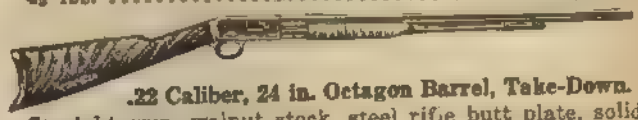
No. 3823—.22 caliber, 24 in. ROUND barrel, take-down, half magazine, handles at one loading, fifteen .22 Short, twelve .22 Long or ten .22 Long Rifle cartridges, w't 5½ lbs. ..... each $34.50

REMINGTON REPEATING RIFLES



"STANDARD"—12A HAMMERLESS

No. 1021—.22 Caliber, 22 in. round barrel, take-down, straight grip, walnut stock, rubber butt plate, solid breech, side ejection. Adapted for fifteen .22 short, twelve .22 long, or eleven .22 long rifle cartridges, w't 4½ lbs. ..... each $35.75



.22 Caliber, 24 in. Octagon Barrel, Take-Down.

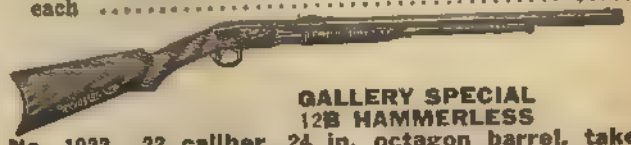
Straight grip, walnut stock, steel rifle butt plate, solid breech, side ejection, w't 5½ lbs.

"TARGET"—12C HAMMERLESS

No. 1023—Adapted for fifteen .22 short, twelve .22 long, or eleven 22 long rifle rim fire cartridges ..each $41.50

"REMINGTON SPECIAL"—12CS HAMMERLESS

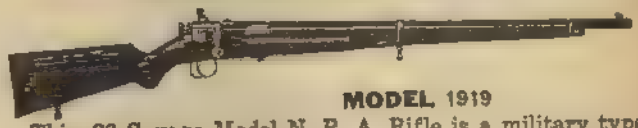
No. 1024—Adapted for nine .22 **W. R. F. Cartridges,** each $41.50



GALLERY SPECIAL 12B HAMMERLESS

No. 1022—.22 caliber, 24 in. octagon barrel, take-down, pistol grip walnut stock, steel rifle butt plate, solid breech, side ejection, adapted for fifteen .22 **short cartridges only,** w't 5½ lbs. ..... each $41.50

SAVAGE REPEATING RIFLES



MODEL 1919

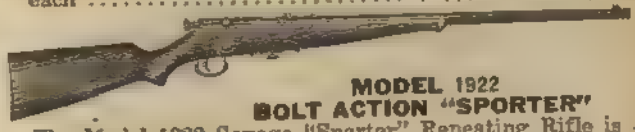
This .22 Savage Model N. R. A. Rifle is a military type repeating rifle possessing every possible detail contributing to the finest accuracy, and especially adapted to National Rifle Association competitions.

Model 1919 N. R. A., solid frame, 25 in. round barrel, full military Walnut Pistol Grip stock, varnish finish, with bands and swivels for sling, Springfield type front sight, wind-gauge aperture rear sight, five-shot detachable box magazine.

No. 7319—.22 Long Rifle Caliber, w't each 7 lbs., each $31.00

No. F7319S—.22 Short Caliber, w't each 7 lbs., each★ $31.00

Extra Magazines, for Nos. 7319 and F7319S rifles, each $1 00



MODEL 1922 BOLT ACTION "SPORTER"

The Model 1922 Savage "Sporter" Repeating Rifle is a .22 caliber sporting repeater with the accuracy and precision of the finest small bore target rifle, combined with the most modern features found in up-to-date sporting models. The barrel is rifled exactly the same as that of the Savage N. R. A. match rifle. Side ejection, thumb safety, hunting metal bead front sight and flat top hunting rear sight, detachable box magazine holds five .22 Long Rifle cartridges. A cartridge may be inserted in the chamber, making a six-shot rifle.

No. 7318—.22 long rifles caliber, 23 in. round barrel, genuine American walnut pistol grip stock, **checked full curve trigger,** w't 6 lbs. ..... each $27.50

ONE IN A BOX

Extra Magazines, for No. 7318 rifle ..... each $1.00

★ **Items Marked Thus ★ Are Shipped from Factory Only.**

FISHING REELS

MARTIN AUTOMATIC

For Fly Fishing

Per Dozen

No. MA—Capacity, 75 feet; Diameter of Spool, 3 inches; Width of Spool, ½ inch; Weight Each, 11 ozs.; Shipping Weight, 18 lbs. per Dozen.....$96 00

No. MA2—Capacity, 90 feet; Diameter of Spool, 3 inches. Width of Spool, ¾ inch; Weight Each, 12½ ozs; Shipping Weight, 18 lbs. per Dozen..... 102 00

No. MA3—Capacity, 150 feet; Diameter of Spool, 3 inches; Width of Spool, ¾ inch; Weight Each, 14 ozs.; Shipping Weight, 18 lbs. per Dozen..... 114 00

Twelfth Dozen in a Box

EQUIPPED WITH SPECIAL LINE PROTECTOR

Made of Tungsten Steel, Eliminating Any Possibility of Injury to the Line, and Insuring Better Service in Action.

Per Dozen

No. MAL1—Capacity, 75 feet; Diameter of Spool, [illegible] ½ inch; Weight, 11 ozs. Shipping Weight, [illegible]..... $114 00

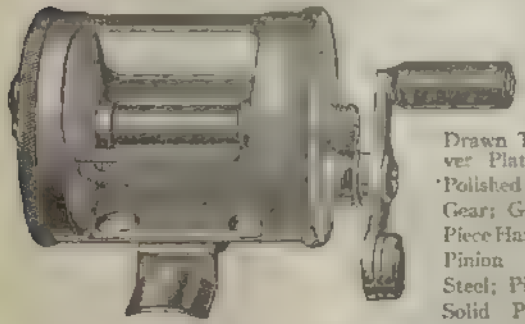
No. MAL2—Capacity, 90 feet; Diameter of Spool, 3 inches; Width, ¾ inch; Weight, 12½ ozs.; Shipping Weight, 18 lbs. per Dozen 120 00

No. MAL3—Capacity, 150 feet; Diameter of Spool, 3 inches; Width ¾ inch; Weight, 14 ozs.; Shipping Weight per Dozen, 18 lbs..... 132 00

Twelfth Dozen in a Box

HORTON
IMPROVED BLUE GRASS SIMPLEX—TAKE DOWN STLYE

With New Style Thumb Rest



Heavy Brass Nickel Plated Frame; Cut from One Piece Seamless Drawn Tubing; German Silver Plates and Spool with Polished Brass Shaft; Spiral Gear; Gear Cut From One Piece Hard Drawn Brass Rod Pinion Cut From Stubbs Steel; Pinion and Axle One Solid Piece; Pivots Tempered, Ground and Polished; Front Plate Rigidly Fixed in Frame; Rear Plate Screwed into Frame and Can Readily be Removed for Cleaning, Etc.; Fine Scroll Counterbalanced Handle with Genuine Celluloid Thumb Piece, Sliding Click Drag on Back Plate; Click and Spring of Finest Oil Tempered Steel.

Capacity, 100 yards; No. [illegible] Silk Line; Diameter of Plates, 1¾ inches; Length of Spool, 1⅜ inches.

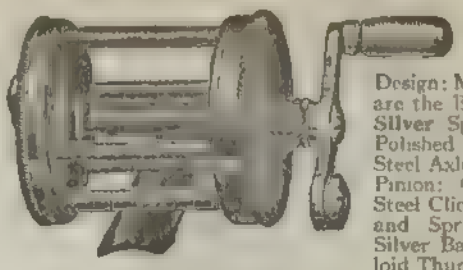
Each

No. 33—Quadruple Action; With Plain German Silver Pivot Bearings; Actual Weight Each, 8 ozs.; Shipping Weight per Dozen, 7½ lbs..... .....$16 00 12.00

Twelfth Dozen in a Box

FISHING REELS

HORTON
BLUE GRASS



This Reel is a German Silver Take-apart Reel of Improved Design: Material and Workmanship are the Best Obtainable; German Silver Spool with Hardened and Polished Brass Shaft; Hardened Steel Axles; Bronze Gear and Steel Pinion; German Silver Sliding; Steel Click with Steel Pinion, Pawl and Spring; No Drag; German Silver Balance Handle with Celluloid Thumb Piece.

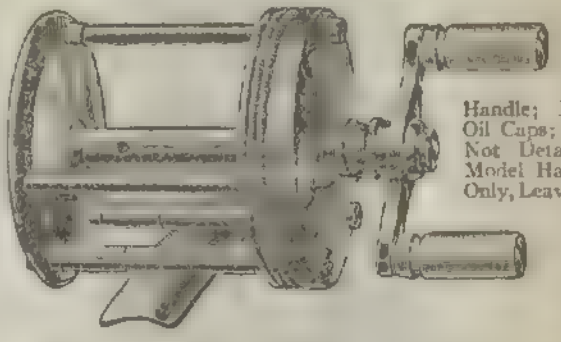
Capacity, 85 yards; Diameter of Plates, 1⅜ inches; Length of Spool, 1½ inches.

Each

No. M25—Quadruple Action; Actual Weight Each, 8 ozs. Shipping Weight per Dozen, 7½ lbs.....$20.00 15.00

One in a Box

HORTON
BLUE GRASS



Made of Nickel Silver; Click: Double Handle; New Patented Oil Caps; Adjustable but Not Detachable; This Model Has Four Bars Only, Leaving More Room for the Angler's Thumb in Casting.

Capacity, 60 yards; Diameter of End Plates, 2 inches; Diameter of Spool Head, 1⅜ inches; Length of Spool, 1⅝ inches.

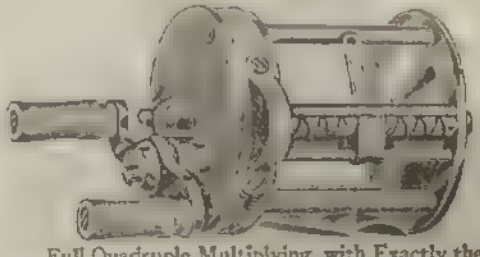
Each

No. B7—Quadruple Action; Actual Weight Each, 8 ozs.; Shipping Weight per Dozen, 8½ lbs.....$26 65 20.00

One in a Box

HEDDON LEVEL WINDING

Can be Completely Oiled Without Taking Down



Made of Best, Tested, Hard Drawn, Watch Nickel; Stud, Shaft, Pivots and Pinion Made of Stubbs Drill Rod; Hardened, Oil Tempered, Ground and Polished to Size.

Full Quadruple Multiplying, with Exactly the Correct Ratio of Speed Between the Spool and the Crank to Produce the Criss Cross or **"Kite Winding" of the Line Which so Effectually Prevents Back-Lashing.**

Spiral Gears, of a Special Hard Drawn Phosphor Bronze Are so Novelly Arranged That They are Much Stronger Than are Ordinarily Used, and Also Make it Possible to Avoid the Objectionable Construction of Placing the Spool Off the Center of the Reel. Smaller in Size, Lighter [illegible] Weight, [illegible] Spool Capacity of [illegible] Yards of Standard Test Line. Smooth Velvet Finish That is Practically Indestructible. Equipped with Heddon Designed Double Handle and Packed in a Leather Chamois Lined Case.

Capacity, 100 yards; Diameter of Spool, 1⅛ inches; Length of Pillars, 1⅝ inches, Outside Diameter, 2 inches.

Each

No. H333—Quadruple Action; Actual Weight Each, 8 ozs.; Shipping Weight per Dozen, 8½ lbs.....$40.65 35.00

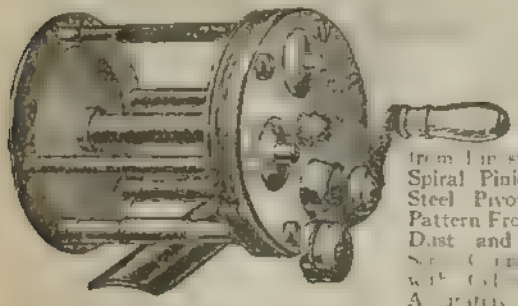
One in a Box

FISHING REELS

HORTON

Genuine Meek

The Best and Most Simple of All Free Spool Reels; Only Two Mechanical Principles Employed, the Lever and Eccentric, Giving an Instantaneous and Positive Action; Spool is Made Free Running or Tight by Operating the Lever on Front Plate



German Silver Throughout; Satin and Hand [illegible] Finish; [illegible] Spiral Pinion; Tempered Tool Steel Pivots and Studs; B[illegible] Pattern Front Head, Also Dust and Waterproof; [illegible] With [illegible] Ring; Adjustable Steel Click and Drag on Front Head; [illegible], Screw-on Oil Caps; All Parts Handsomely Milled, Knurled and [illegible]

Capacity, About 100 yards of No. 5 Silk Line; Diameter of End Plates, 2¼ inches; Length of Spool, 1⅝ inches.

Each

No. M3J—Quadruple Action; with Jeweled Pivot Bearings; Actual Weight Each, 8 ozs.; Shipping Weight per Dozen, 8¼ lbs. **$48 00** 36 00

No. M3—Quadruple Action with Plain German Silver Pivot Bearings; Actual Weight Each, 8 ozs.; Shipping Weight per Dozen, 8¼ lbs. **40 00** 30 00

One in a Box

HORTON

BLUE GRASS

Capacity, About 120 yards of No. 5 Silk Line; Diameter of End Plates, 2 inches; Length of Spool, 1⅝ inches.

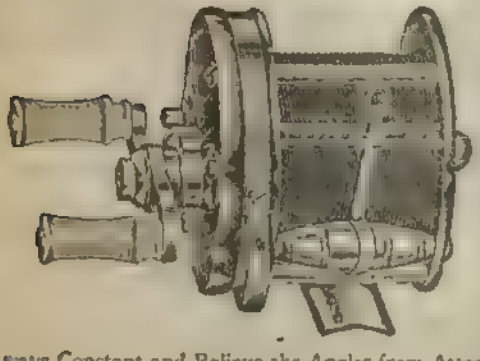
Each

No. 3JB—Quadruple Action with Jeweled Pivot Bearings; Actual Weight Each, 8 ozs.; Shipping Weight per Dozen, 9 lbs. **$33 35** 25 00

No. 3B—Quadruple Action with Plain German Silver Pivot Bearings; Actual Weight Each, 8 ozs.; Shipping Weight per Dozen, 9 lbs. **26 65** 20 00

One in a Box

"HEDDONIS AUTO-SPOOLER"



Completely Oiled Without Taking Down; Solid German Silver Frame; Phosphor Bronze Gears; Hardened Steel Pinion, Helical Spiral Gears, Quadruple Multiplying Spool Device; Steady Compression Preventing Movement of Crank, Pressure Plate Nut; It Lays a Knotted Spool Much the Same as One Would Make by Hand, But is Always Constant and Relieve the Angler from Attention to Spooling.

Capacity, 50 yards of 20 lb. Test and 75 yards of 15 lb. Test.

Each

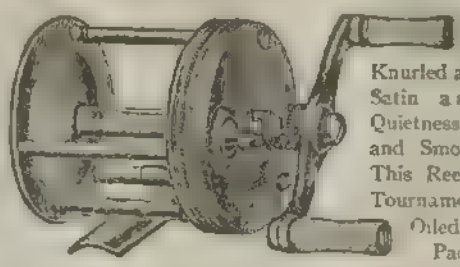
No. H318—Length of Spool, 1¾ inches; Diameter, 1⅝ inches; Actual Weight Each, 10 ozs.; Weight per Dozen, 8 lbs. .. **$24.00** 18 00

One in a Box

FISHING REELS

HEDDONS

Especially Designed For Tournament Casting; Watch Like Precision; Has [illegible] Adjustment for Different Thicknesses of Line; Hard Rock Maple Bearings; [illegible] Handles; Made of Best, Tested Hard Drawn Watch Nickel Steel Shaft; Pawls and Pinions Made of Solid Drop Forged Tempered Tool Steel; Hard Rubber Tipped Oil Tempered, [illegible] and Ground to Size; Gears Made from Special Hard Drawn Phosphor [illegible] Bronze; Hard Rubber Handle; Strength, Power and Smoothness of Action Guaranteed; Mounted with Double Handle with Inch Radius, 2 inches Long, With [illegible] Crank Knobs.



A Masterpiece of Workmanship; Beautifully Knurled and Ornamented with Soft Satin and Velvet Finish; Quietness, Freedom of Movement and Smoothness of Gears Make This Reel Especially Adapted to Tournament Work; Reel is Easily Oiled Without Taking Apart; Packed in a Chamois Bag.

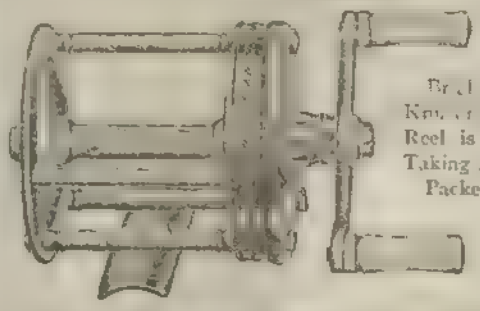
Capacity, 100 yards; Diameter of Spool Head, 1⅞ inches; Length of Spool, 1⅝ inches; Outside Diameter, 2 inches.

Each

No. H330—Quadruple Action; Actual Weight Each, 10 ozs.; Shipping Weight per Dozen, 8 lbs. **$42.65** 32.00

[illegible] Box

HEDDONS



Bright Satin Green [illegible] Knurled, Highly Polished [illegible] Reel is Easily [illegible] Without Taking Apart; Packed in a Chamois Bag

Capacity, 100 yards; Diameter of Spool Head, 1⅞ inches; Length of Spool, 1⅝ inches; Outside Diameter, 2 inches.

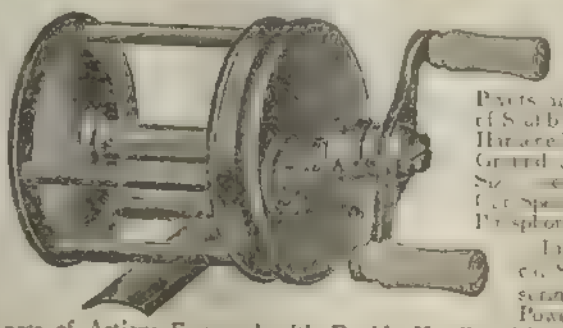
Each

No. H324—Quadruple Action; Actual Weight Each, 10 ozs.; Shipping Weight per Dozen, 8 lbs. **$36 00** 27.00

One in a Box

HEDDONS

Can be Completely Oiled Without Taking Down



Made of the **Best, Tested** Hard Drawn Watch Nickel, Stud, Shaft Pawls and Pinion Made of Solid Drop Forged Head, Barrel, Oil Tempered, Ground and Polished to Size; Gears Made from Cut Spoke, Hard Drawn Phosphor Bronze Metal.

Improved Hard to Spoil Gearing Strength, Power and Smoothness of Action; Equipped with Double Handle with One inch Radius, 2 inches Long.

Designed, Without Loss of Strength, With Front Bar Left Out, to Avoid Retaining Back-Lashes.

Finished with Ivory Oiler, Pivot and Stud; Packed in a Chamois Bag.

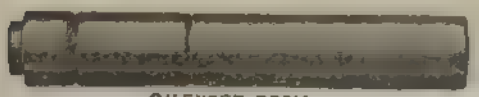
Capacity, 130 yards; No. A [illegible] Diameter of Spool Head, 1⅞ inches; Length of Spool, 1⅝ inches; Outside Diameter, 2 inches.

Each

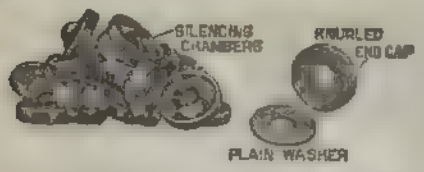
No. H315—Quadruple Action; Actual Weight Each, 10 ozs. Shipping Weight per Dozen, 9 lbs. **$20.00** 15 00

One in a Box

MAXIM SILENCERS



SILENCER BODY



BLUE STEEL

The Model 1920 Maxim Silencer Consists of: Silencer Body, Knurled End Cap, 19 Silencing Chambers, and One Plain Washer. It Can be Readily Taken Apart for Cleaning and Repairing; is Interchangeable with the Old 1912 Model, and Slightly More Efficient, Smaller and Lighter.

This Silencer is a Practical Device that Can be Fitted to Any Standard Rifle, and Will Prevent All Noise Usually Caused by the Explosion of the Cartridges; Recoil is Reduced Over 5 per cent.

The Slight Weight of the Silencer Does Not Impair the Balance of the Gun. In Fact, Experience Shows that the Small Increase in Weight at the Muzzle End Helps in Target Shooting, as Does the Reduction in Recoil, Due to the Presence of the Silencer.

Smokeless Cartridges are Especially Well Adapted for Rifles Equipped with Silencers.

Model 1920

Each

No. MS22—For .22 Caliber Rifle, Silencer Complete, with Assembling Tool, Size 6⅝x⅞ inches, Weight 5 ozs. $10.50
One in a Box

No Extra Charge for Fitting Maxim Silencers to 22 Caliber Rifles; on Larger Caliber there is an Extra Charge for Each Fitting. .....

✣ Silencers for Larger Caliber Rifles Can Be Furnished by Shipping Direct from Factory, New York, N. Y.

EXTRA COUPLINGS FOR MAXIM SILENCERS

For 22 Caliber Rifles Only

Designed in Order to Avoid Cutting Threads on Muzzle or Rifle Barrel to Which the Silencer is to be Attached; Blued Steel with Knurled Cap and Steel Springs to Make the Coupling Fit Tightly on the Barrel. Weight 1¼ ozs.

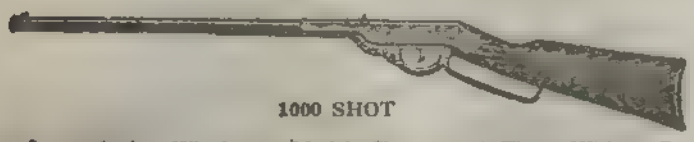
Each

No. A—For Round Barrels $2.25
No. B—For Octagon Barrels 2.25

Loose

AIR RIFLES

KING



1000 SHOT

Lever Action; Winchester Model; Shoots 1000 Times Without Reloading; Loads Automatically; All Working Parts Made of Steel and Brass; All Parts Interchangeable.

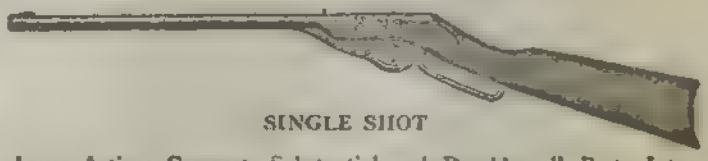
Barrel—Steel Half Octagon; Nickel Plated; Open Front and Rear Sights.

Stock—Black Walnut, Oil Finished.

Frame—Pressed Steel, Nickel Plated; Malleable Iron Lever and Trigger Nickeled.

Per Dozen

No. K1000—Shoots Air Rifle Shot Only; Length Over All 36 inches; Weight Each, 2½ lbs. $54.00
One Half Dozen in a Case



SINGLE SHOT

Lever Action; Compact, Substantial and Durable; all Parts Interchangeable.

Barrel—Steel, Nickel Plated; Length 18 inches; Knife Blade Front and Peep Rear Sights

Stock—Black Walnut; Varnished

Frame—Pressed Steel, Nickel Plated; Malleable Iron Lever and Trigger

Per Dozen

No. K21—Shoots Air Rifle Shot and Darts; Length Over All 31 inches; Weight Each, 1¾ lbs. $30 00
One Dozen in a Case

JUNIOR SINGLE SHOT

Designed Especially for the Younger Boys not Big Enough to Use the Larger or Heavier Air Rifles.

Barrel—Steel, Nickel Plated; Length 16½ inches

Stock—Hardwood, Ebony Finish.

Per Dozen

No. K0—Shoots Air Rifle Shot Only; Length Over All 29 inches; Weight Each, 1¼ lbs. $16.00
One Dozen in a Case

500 SHOT SPECIAL REPEATER

Lever Action; Shoots 500 Times Without Reloading; All Working Parts Made of Steel and Brass. All Parts Interchangable. This is a High Grade Air Rifle.

Barrel—Steel, Half Octagon, Nickel Plated, Length 20 inches, Open Front and Rear Sights.

Stock—Black Walnut, Oil Finish.

Frame—Pressed Steel, Nickel Plated, Malleable Iron Lever and Trigger Nickeled.

Per Dozen

No. K22—Shoots Air Rifle Shot Only; Weight Each, 2 lbs.; Length Over All 31½ inches $32 40
One Dozen in a Case

BREECH LOADER

Breaks About the Center of the Gun and Has Automatic Locking Device; Barrel and all Metal Parts are Finished with Gun Blue; Neatly Finished Walnut Stock.

Per Dozen

No. K17—Shoots Air Rifle Shot and Darts, Length Over All, 32 inches; Weight Each, 2 lbs. $36 00
One Dozen in a Case

AIR RIFLES

MILITARY DAISY

Lever Action—Repeater

Every Detail Designed After the Latest Military Rifle, a Repeater; Has All the Hard-hitting, Accurate Daisy Qualities—just the Gun for Drill as Well as for Target Shooting.

While this Air Rifle Shoots Strong and Accurately, it Avoids the Danger of Ordinary Fire-arms The Detachable Bayonet is Rubber Tipped so as to render it Harmless.

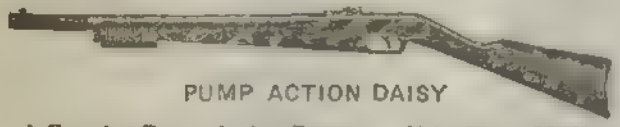
This Rifle is a [illegible] Repeater and has a Forced Feed so that it Can be Fired in any Direction Without Loading a Shot.

[illegible] Carefully Designed Made, and Handsome Man's Rifle. It has a Beautiful Walnut Finished Stock. All Metal Parts are Finished in Gun Blue. The Rear Sights are Open and Adjustable. The Front Sight is of the Knife Type. The Rifle comes Complete with Sling and Swivel.

Per Dozen

No. 40—Shoots Air Rifle Shot only; Weight 3¾ lbs.; Length Over All 45 inches..... $90 00

One in a Box; Six in a Case; Case Weighs 30 lbs.



PUMP ACTION DAISY

A Genuine Pump Action Repeater—Take Down Model

This is the Very Latest Improvement in Air Rifles and for Appearance and Efficiveness this **New Pump Action Daisy** Compares Favorably with the Finest of Small Arms on the Market.

A Simple "Take Down" System Permits the Rifle Being Taken Down and Put Together [illegible]

This [illegible] Air Rifle Use Being Very Accurate and Powerful [illegible] Suitable for Use in the House [illegible] or Target [illegible]

The [illegible] Action is Automatic and Operated by Pulling the Slide Toward the Stock [illegible] Invented; Fires Rapidly from the [illegible] Magazine Having a Forced Feed.

Barrel—Made of [illegible] Steel; Non-Rusting Gun Blue; Adjustable Front and Rear Sight

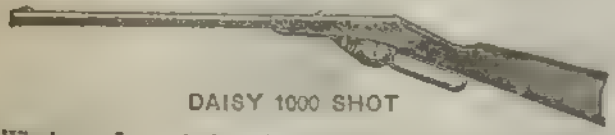
Frame—[illegible] Non-Rustable Gun Blue Finish.

Stock—Genuine Black Walnut, Hand Polished.

Per Dozen

No. 25—Shoots Air Rifle Shot Only; Length Over All 38 inches; Weight 3¼ lbs,..... $90 00

Half Dozen in a Case; Weight per Case 25 lbs.



DAISY 1000 SHOT

Winchester Lever Action, Automatic Repeater. Shoots 1000 Times without Reloading. All working Parts Made of Steel and Brass; all Parts Interchangeable. The Most Gun-Like Air Rifle on the Market. Shoots Accurately and with Great Force.

Barrel—Polished Steel, Nickel Plated, Length 23 inches.

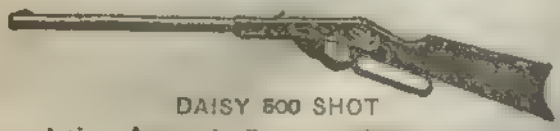
Stock—Black Walnut, Oil Finished and Polished.

Frame—Pressed Steel, Nickel Plated; Malleable Iron Lever and Trigger, Nickeled. Open Front and Rear Sights.

Per Dozen

No. 1000—Shoots Air Rifle Shot Only; Weight 3 lbs.; Length Over All 36 inches..... $54 00

Half Dozen in a Case, Weight per Case 24 lbs.



DAISY 500 SHOT

Lever Action, Automatic Repeater, Shoots 500 Times Without Reloading. All Working Parts Made of Steel and Brass; All Parts Interchangeable. A Strictly High Grade Air Rifle [illegible] Guaranteed.

Barrel—Polished Steel, Nickel Plated, Length [illegible] inches.

Stock—Black Walnut, Oil Finished and Polished

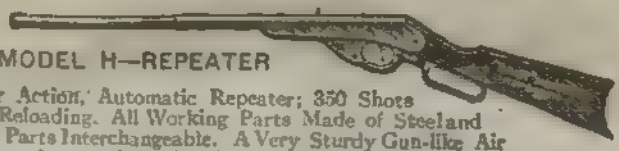
Frame—Pressed Steel, Nickel Plated; Malleable Iron Lever and Trigger, Nickeled. Open Front and Rear Sights.

No. 500—Shoots Air Rifle Shot Only [illegible]

Over All 32 inches $48 00

Half Dozen in a Case, [illegible] lbs

AIR RIFLES



DAISY MODEL H—REPEATER

Lever Action, Automatic Repeater; 350 Shots Without Reloading. All Working Parts Made of Steel and Brass; All Parts Interchangeable. A Very Sturdy Gun-like Air Rifle. Shoots Accurately and with Great Force.

Barrel—One Piece Steel, Nickel Plated, Length 21 inches.

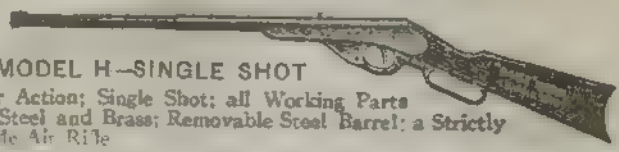
Stock—Black Walnut, Oil Finished and Polished.

Frame—Pressed Steel, Nickel Plated, Malleable Iron Lever and Trigger; Nickeled, Open Front and Peep Rear Sights.

Per Dozen

No. 11—Shoots Air Rifle Shot Only, Length Over All 31½ inches, Weight 1¾ lbs $36 00

One Dozen in a Case, Weight per Case 30 lbs.



DAISY MODEL H—SINGLE SHOT

Lever Action; Single Shot; all Working Parts made of Steel and Brass; Removable Steel Barrel; a Strictly High Grade Air Rifle

Barrel—One Piece Steel, Removable, Nickel Plated; Length 21 inches.

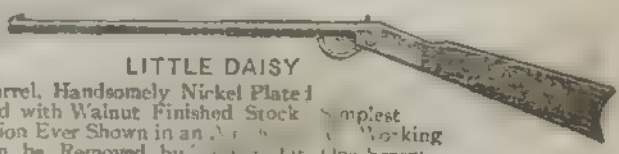
Stock—Black Walnut, Oil Finished and Polished.

Frame—Pressed Steel, Nickel Plated, Malleable Iron Lever and Trigger, Nickeled, Open Front and Rear Sights.

Per Dozen

No. 12—Shoots Air Rifle Shot or Darts; Length Over All 31½ inches; Weight 1¾ lbs $30.00

One Dozen in a Case; Weight per Case 30 lbs.



LITTLE DAISY

Steel Barrel, Handsomely Nickel Plated and Fitted with Walnut Finished Stock. Simplest Construction Ever Shown in an Air Rifle. Working Parts Can be Removed by Turning Out One Screw.

Per Dozen

No. 0—Length 29 inches; Weight 19 ozs..... $16.00

One Dozen in a Case; Weight per Case 20 lbs.

AIR RIFLE SHOT

★BULLSEYE

STEEL

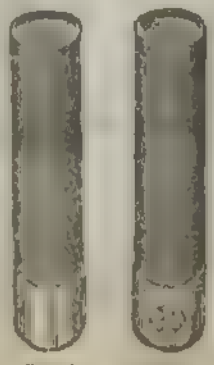
Handy Retailers Package

This Special Size Will Fit All Air Rifles; 100 Small Tubes in a Case; Size of Case 8¾x9½x4 inches

Per Case

No. TAR1—Weight per Case 20 lbs..... $9.50

NOTE—We Will Not Break Cases



SCOUT

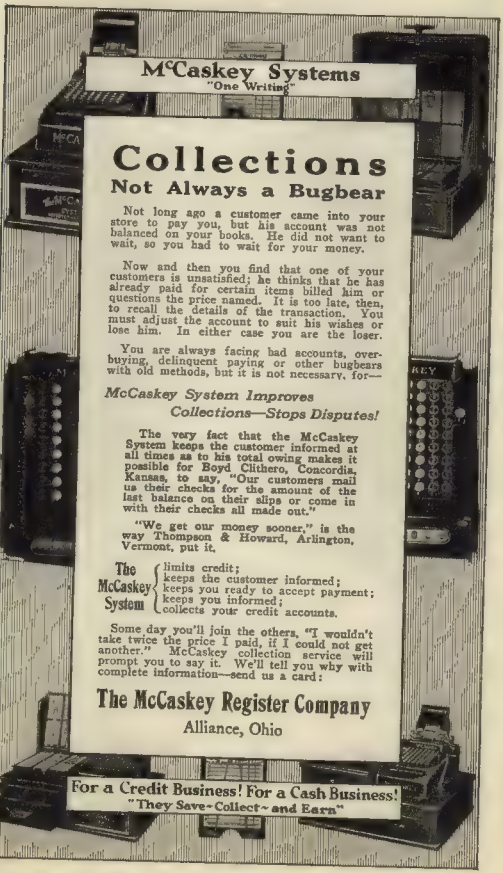
LEAD

This Shot is Made with Especial Care to Fit Most Makes of Air Rifles; the Tube is Designed for Pocket Use; by Turning the Band the Shot May be Removed as Wanted.

Per Case

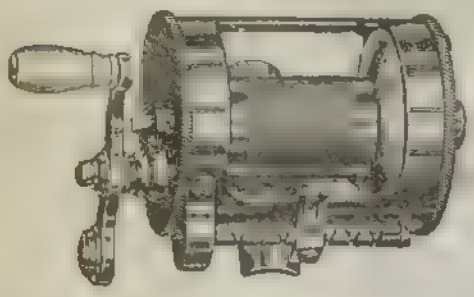
No. BSA1—Tubes are 2¾ inches Long and ¾ inch in Diameter, 100 Tubes in a Case; Weight per Case, 32 lbs.....$12.00

NOTE—We Will Not Break Cases


McCaskey Systems
"One Writing"
Collections
Not Always a Bugbear
Not long ago a customer came into your store to pay you, but his account was not balanced on your books. He did not want to wait, so you had to wait for your money.
Now and then you find that one of your customers is unsatisfied; he thinks that he has already paid for certain items billed him or questions the price named. It is too late, then, to recall the details of the transaction. You must adjust the account to suit his wishes or lose him. In either case you are the loser.
You are always facing bad accounts, overbuying, delinquent paying or other bugbears with old methods, but it is not necessary, for—
McCaskey System Improves Collections—Stops Disputes!
The very fact that the McCaskey System keeps the customer informed at all times as to his total owing makes it possible for Boyd Clithero, Concordia, Kansas, to say, "Our customers mail us their checks for the amount of the last balance on their slips or come in with their checks all made out."
"We get our money sooner," is the way Thompson & Howard, Arlington, Vermont, put it.
The McCaskey System
limits credit;
keeps the customer informed;
keeps you ready to accept payment;
keeps you informed;
collects your credit accounts.
Some day you'll join the others, "I wouldn't take twice the price I paid, if I could not get another." McCaskey collection service will prompt you to say it. We'll tell you why with complete information—send us a card:
The McCaskey Register Company
Alliance, Ohio
For a Credit Business! For a Cash Business!
"They Save-Collect-and Earn"

FISHING REELS

MEISSELBACH



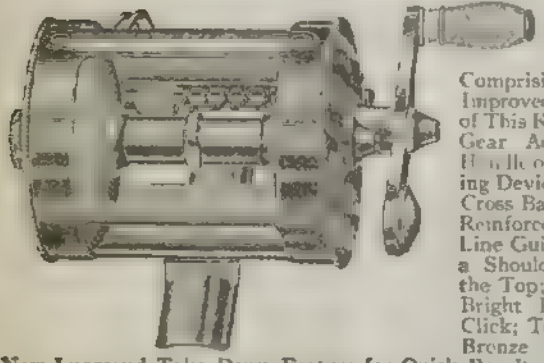
OKEH

Level Winding; Finely Balanced Single Handle with Thumb Base; **Cork Arbor** Spool; Back Sliding Steel Click with Steel Pinion.

	Per Dozen
No. MLW80—Weight Each, 8½ ozs.	**$228 00**
No. MLS80—Same as Above, Except with Line Spool, Weight Each, 8½ ozs.	**264 00**

Twelfth Dozen in a Box

SYMPLOPART



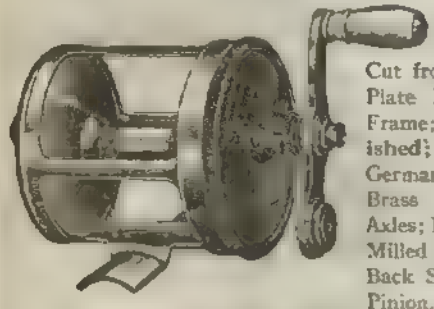
A New Level Winding Reel at a Popular Price, Comprising All of the Improved Ideas in Reels of This Kind; Direct Pilot Gear Action From the Handle of the Level Winding Device; Tool Steel and Cross Bar with Steel Rod Reinforcement; Steel Wire Line Guiding Device with a Shouldering House at the Top; Spring Tension; Bright End Cap; Good Click; Tool Steel Action, Bronze Bearing; Special New Improved Take Down Feature for Quick Results; Nicely Polished and Nickel Plated; **Capacity, 100 yards.**

	Per Dozen
No. DLW—Weight per Dozen, 7½ lbs.	**$198 00**

Twelfth Dozen in a Box

TRI PART FREE SPOOL

This Reel Has a "Free Spool" Which Acts Independently of the Handle When Casting; the Spool is Always Free to Revolve When Making a Cast, While the Handle Remains Stationary.



Tubular Brass Frames; Brass End Plates and Rings; Frame Cut from Drawn Brass Tube; End Plate Made Permanently Fast to Frame; **All Nickel Plated and Polished;** Satin Finish End Plates; German Silver Spool with Polished Brass Shaft and Hardened Steel Axles; Bronze Gear and Steel Pinion, Milled and Knurled Retaining Ring Back Sliding Steel Click with Steel Pinion, Pawl and Spring; Scroll Balance Handle with White Celluloid Thumb Piece; Milled Oil and Friction Adjusting Cap on End Plate; Easily Taken Apart by Simply Unscrewing Retaining Ring; Handle Can be Shifted to Four Different Positions

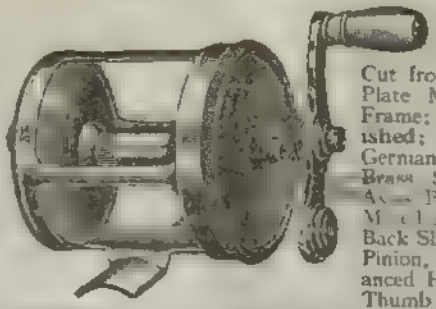
Capacity, 80 yards; Diameter of Spool, 1¾ inches; Width of Spool, 1⅜ inches.

	Per Dozen
No. TFS80—Quadruple Action; Actual Weight Each, 7 ozs.; Shipping Weight per Dozen, 7½ lbs.	**$120 00**

Twelfth Dozen in a Box

FISHING REELS

MEISSELBACH



TRI PART

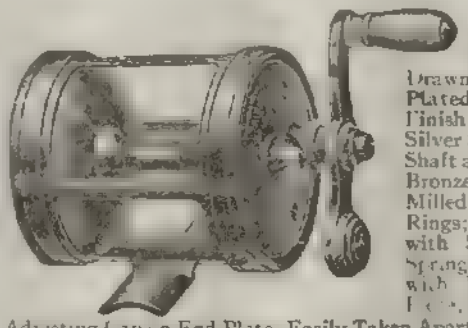
Tubular Brass Frame; Brass End Plates and Ring Frame Cut from Drawn Brass Tube; End Plate Made Permanently Fast to Frame; **All Nickel Plated and Polished;** Satin Finish End Plates; German Silver Spool with Polished Brass Shaft and Hardened Steel Axles, Bronze Gear and Steel Pinion; Milled and Knurled Retaining Rings; Back Sliding Steel Click, with Steel Pinion, Pawl and Spring, Steel Balanced Handle with White Celluloid Thumb Piece; Milled Oil and Friction Adjusting Cap on Tail Plate; Easily Taken Apart by Simply Unscrewing Retaining Rings; Handle Can be Shifted to Four Different Positions.

Capacity, 80 yards; Diameter of Plates, 2 inches Width of Spool, 1⅜ inches.

	Per Dozen
No. TP80—Quadruple Action; Actual Weight Each, 7 ozs.; Shipping Weight per Dozen, 6¾ lbs.	**$90 00**

Twelfth Dozen in a Box

TAKAPART

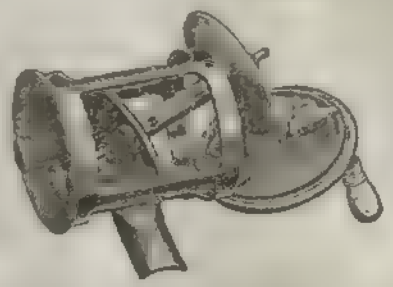


Tubular Brass Frame; Brass End Plates and Rings Frame Cut from Drawn Brass Tube; **All Nickel Plated and Polished;** Satin Finish End Plates; German Silver Spool with Polished Brass Shaft and Hardened Steel Axles, Bronze Gear and Steel Pinion Milled and Knurled Retaining Rings; Back Sliding Steel Click with Steel Pinion, Pawl and Spring; Scroll Balance Handle with White Celluloid Thumb Piece, Milled Oil and Friction Adjusting Cap on End Plate Easily Taken Apart Without Tools by Simply Unscrewing Retaining Rings Handle or Click Button Can be Lifted to Four Different Positions to Suit Taste of Operator.

Capacity, 100 Yards; Diameter of Plates, 2 inches; Width of Spool, 1⅝ inches.

	Per Dozen
No. MWS80—Quadruple Action; Actual Weight Each, 7¾ ozs.; Shipping Weight per Dozen, 7½ lbs.	**$108 00**

Twelfth Dozen in a Box



The Latest Thing in Take Down Type Reel; Satin Finish; Finely Balanced Handle with Ivory Thumb Piece; **Back** Sliding Side Click and Equipped with Brass Side Screw for Adjustment; This Reel is Finely Made and Will Give Unlimited Service.

	Per Dozen
No. 500—Capacity, 80 yards; Weight Each, 7 ozs.; Weight per Dozen, 7½ lbs.	**$96 00**

Twelfth Dozen in a Box

MANUFACTURERS EVERYWHERE RECOGNIZE OUR ENORMOUS DISTRIBUTING POWER AND QUICKLY COME TO US WITH NEW GOODS

IF WORTH WHILE THEY ARE IMMEDIATELY PLACED IN OUR STOCK. NEW THINGS ARE ADDED WEEKLY.

CONSEQUENTLY IT IS A DECIDED ADVANTAGE TO SUPPLY YOURSELF FROM US. USE THIS CATALOG AS YOUR DAILY BOOK OF REFERENCE.

SURF CASTING REELS

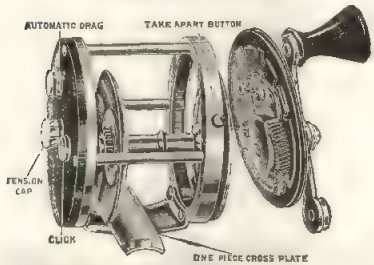
TRIPLE MULTIPLYING
MEISSELBACH

Free spool. Made of hard rubber and nickel silver of best quality. Takes apart in two seconds; no tools necessary. Fitted with simple and perfect throw-off mechanism. Automatic drag works only when fish run, but not when reeling in. Triple multiplying.

No.	Capacity	Wt. each	Each
2200	.....300 yds.....	12 ozs.	$36.00

One in a box.

MEISSELBACH NEPTUNE

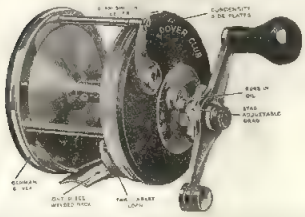


Free spool, high class triple multiplying tak-a-part reel. Hard rubber disc. Nickel silver frame. Triple multiplying

No.	Capacity	Wt. each	Each
901	.....200 yds..	11 ozs.	$22 00

One in a box

DOVER CLUB

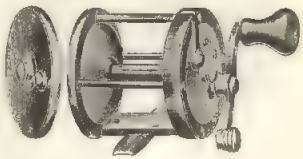


Free spool Take apart. German silver, with hard rubber end plates. Screw drag on handle adjustable from 4 ounces to 2 pounds. Removable back sliding click. Free spool throw-off on top. Hard brass main gear; bronze pinion gear. Hand rubber handle.

No	Capacity	Size spool	Size pillar	Wt. each	Each
2000	.....250 yds.....	2½ in	.1⅞ in.	1¼ lbs.	$20.00

One in a box

DOUBLE MULTIPLYING
OCEANIC



Free spool. Spiral tooth gears. Hard rubber discs, reverse metal bound. Adjustable back sliding click. Front and back fancy oil cup, steel pivots, balance crank, with rubberoid handle. Tempared crucible steel clutch. To make reel free spool turn the crank a fraction of an inch backward. The clutch automatically takes hold when winding in. Full nickel plated Double multiplying.

No.	Capacity	Wt. each	Each
2816	.....150 yds.....	¾ lb	$13.30
2817	.....200 yds.....	1 lb	14.00
2818	.....250 yds.....	1¼ lbs.	15.50
2819	.....300 yds	1¼ lbs.	17.00

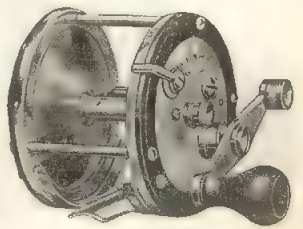
One in a box

Same as above, except satin nickel silver.

No.	Capacity	Wt. each	Each
2856	.....150 yds.....	¾ yd	$16 00
2857	..... 200 yds.....	1 lb	16.50
2858	..... 250 yds.....	1¼ lbs	18.00
2859	.....300 yds.....	1½ lbs..	19 50

One in a box.

OCEAN CITY



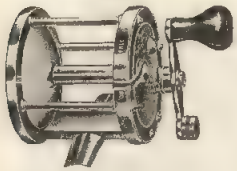
Free spool. Hard rubber discs, metal bands. Nickel silver spool, steel pivots. Adjustable click and drag. Balanced crank with black enameled handle. Solid reel seat. Double multiplying

No.	Capacity	Wt. each	Each
1000	.....250 yds.....	1¼ lbs.	$10.00
1000	....300 yds.....	1½ lbs.	13.00

One in a box.

SURF CASTING REELS

FREE SPOOL
MIAMI



Free spool. Rubber plates with metal bands on edges. Metal disc with gear bridge and pivot bearing. Adjustable click. Fancy crank with special handle. Steel pivots. Double multiplying.

No.	Capacity	Pillar	Disc	Wt. each	Each
66	150 yds	2 in.	2⅝ in.	¾ lb.	$13 00
67	200 yds	2½ in.	3 in.	⅞ lb.	13.70
68	250 yds	2½ in.	1¼ in.	1 lb.	15 00
69	300 yds	2¾ in.	3½ in.	1⅛ lbs.	16 50

One in a box.

DOUBLE MULTIPLYING
EVERLASTER

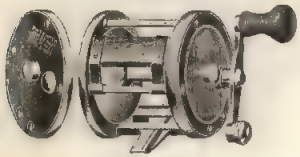
Equipped with Gem Thumb Brake. Especially adapted for salt water fishing. Hard rubber discs, reverse metal bound, spiral tooth gears, front and back oil cups. Balanced handle, rubberoid thumb piece. Patent double brace flange washer, adjustable back sliding click and drag. Double multiplying.

Steel Pivots

No.	Capacity	Wt. each	Each
X568P	150 yds.	1 lb.	$10 00
X578P	200 yds.	1 lb.	11.00
X588P	250 yds.	1¼ lbs.	11 50
X598P	300 yds.	1¼ lbs.	12.50

One in a box.

ECLIPSE



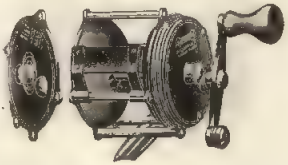
Brass Pivots

Equipped with Dazie Thumb Brake. Hard rubber discs. Metal bound, brass pivots. Adjustable sliding click and drag.

No.	Capacity	Wt. each	Each
X46	150 yds	¾ lb.	$ 9.70
X47	200 yds	¾ lb.	10.50
X48	250 yds.	1 lb.	11.00
X49	300 yds.	1 lb.	12.00

One in a box.

DOUBLE MULTIPLYING
MOHAWK

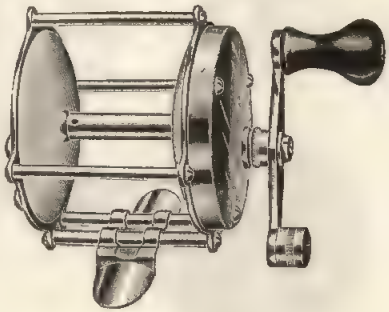


Equipped with Dazie thumb brake. For salt water fishing. Polished, nickel plated brass, screwed, raised pillars. Balanced handle with rubberoid thumbpiece. Spiral tooth gears. Patent double brace flange washer, bushed with oil cup on back plate. Back sliding click and drag.

No.	Capacity	Wt. each	Each
125SW	150 yds.	15 ozs.	$5 70
125SW	200 yds.	16 ozs.	6 00
125SW	250 yds.	18 ozs.	6.30
125SW	300 yds.	19 ozs.	7 00

One in a box.

FAVORITE



Polished nickel plated brass. Metal cap. Screwed, raised pillars. Adjustable click and drag. Special shaped black enameled handle.

No.	Capacity	Wt. each	Each
128	150 yds.	10 ozs.	$4 00
128	200 yds.	12 ozs.	4.20

One in a box.

MEN'S BATHING SUITS

We deserve your confidence because we offer you the best selling suits in America at prices that no jobber can offer who hasn't our five house buying power.

CALIFORNIA STYLE BATHING SUITS

Athletic cut, selected as the foremost selling styles, priced to produce volume, because the quality and fit will make them produce orders.

Cotton—Rib knit, medium weight and gauge, trimmed armholes, neck shirt and trunks. Special construction on neck and armholes prevents stretching. A good looking fast color full cut suit to use as a competition spanking dollar leader Sizes 36 to 46 SPECIFY SIZES ½ doz. in box

1K1200—BLACK, maroon trim. Doz. **$8.00**

Cotton—Jersey knit, medium weight, woven stripes, tailored with same detail as our higher priced worsted suits. A real stimulator at $1.50 retail. ½ doz. in box.

1K1203—OXFORD, white stripes. Sizes 36 to 46 SPECIFY SIZES. Doz. **$12.00**

1K1208—BLACK, white stripes. Sizes 36 to 46 SPECIFY SIZES

Merino—Athletic cut, jersey knit good weight, medium fine gauge, mixed yarn, large percentage pure worsted, pure worsted chest stripe. An exceptionally attractive suit. Sizes 36 to 44 SPECIFY SIZES 1 in ctn

1K1221 — GREEN HEATHER royal stripe. Each **$1.85**

Pure Worsted—Smooth jersey knit, fine gauge, best selected tasteful yarn, will give extra long service. A real swimming suit which we especially recommend as a $4.00 retail leader. Sizes 36 to 46. 1 in ctn

1K1240—BLACK Each, **$2.75**

What sizes shall we send?

Pure Worsted—Athletic cut, fine gauge smooth jersey knit, harmoniously banded chest and skirt stripes best workmanship material and finish. These suits will bring $5.00. Sizes 36 to 44 1 in box.

1K1238 - DARK OXFORD, silver corded stripes.

1K1239 - BROWN HEATHER, Kelly stripes. Each, **$2.95**

MADE IN CALIFORNIA BATHING SUITS

California made bathing suits have that look and feel only attainable from the use of best materials and workmanship.

Made in California an exceptional smooth, easy knit, fine gauge, special selection of fancy pure worsted mixture yarns, fine snappy striping effect, by skilled operators. Sizes 36 to 46. SPECIFY SIZES. 1 in ctn.

1K1217 — NAVY, Kelly stripes.

1K1219 — MAROON, Kelly stripes. Each, **$2.75**

Pure Worsted—Smooth jersey knit, medium gauge and weight, especially well finished color and trim makes a wonderful combination. Sizes 36 to 44 1 in ctn

1K1236 — BROWN HEATHER, combination color heather stripes Each, **$3.50**

CALIFORNIA STYLE BATHING SUITS

Pure Worsted

We especially recommend these 100% pure worsted suits which you can retail at $3.00 and $3.25. They will prove mighty fine trade getters

Athletic cut, guaranteed every thread pure worsted, fine gauge medium weight Jersey Knit, woven cluster chest striping reinforced knit seams, double fabric crotch 1 in ctn

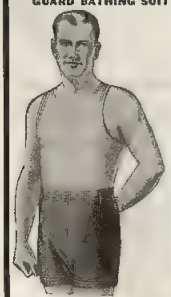
1K1205—NAVY, white stripe Sizes 36 to 44 SPECIFY SIZES Each, **$2.10**

1K1209 HAVANA BROWN, harmonious 2 color blended chest stripes. Each **2.35**

Pure Worsted Athletic cut seamless suit, jersey knit, medium weight, fine gauge, 2 tone effect oxford shirt, navy skirt and trunks with belt loops. Sizes 36 to 44 SPECIFY SIZES 1 in ctn

1K1206—OXFORD GRAY and NAVY Each, **$2.50**

MEN'S 2 PIECE LIFE GUARD BATHING SUIT



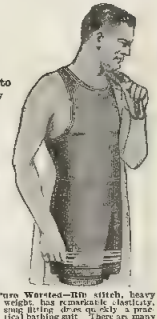
Pure Worsted -Jersey knit, fine gauge, medium weight, 4 belt loops You need a two piece suit in your line and this is by far the biggest seller Sizes 36 to 44 SPECIFY SIZES. Each in navy proof suit.

1K1214—WHITE shirt, NAVY trunks. Each, **$2.75**

Pure Worsted—Jersey knit, fine gauge, carefully tailored full double crotch, selected yarn. Sizes 36 to 44. 1 in ctn

1K1222 ROYAL BLUE, black & white skirt stripes. Each, **$3.25**

Be sure to specify sizes



Pure Worsted—Rib stitch, heavy weight, has remarkable elasticity, snug fitting dress or, richly a practical bathing suit. There are many grades of rib stitch but ours is positively the best grade and fit Sizes 36 to 46. 1 in ctn

1K1231—BLACK, Kelly stripes. Each, **$3.75**

1K1233 — BROWN HEATHER cardinal stripes Each, **$4.00**

Milwaukee Gasoline Locomotives

FOR INDUSTRIAL HAULAGE

The most economical motive power for road-building and construction work, and for haulage in and around manufacturing plants, lumber mills, brick yards, cement works, fertilizer plants, stone quarries, plantations, coal and metal mines, etc., etc.

Built in various types and sizes for all gauges of track.

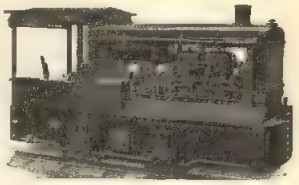
Type "W" Locomotive, Canopy Top and Curtains

TYPE "W" LOCOMOTIVES

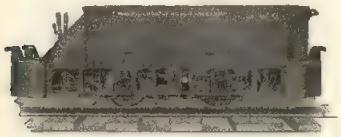
Type "W" Locomotives are built in 2 ton, 3 ton and 3½ ton sizes and for maximum governed speeds of 6 and 8 miles per hour both forward and reverse. Can be furnished with Electric Starting and Lighting Equipments and with Canopy Top and Curtains or complete Wooden Cab when specified.

TYPE "F" LOCOMOTIVES

Type "F" Locomotives are built in 4 ton size and have a governed speed of 3 to 12 miles per hour both forward and reverse. Regularly furnished with open type of Cab with curtains, but can also be furnished with complete enclosed cab. Electric Starting and Lighting Equipment can also be furnished when specified.



Type "F" Locomotive



Type "L" Locomotive

TYPE "L" LOCOMOTIVES

Types "L.30" and "L.50" Locomotives weigh 6 and 8 tons respectively and are designed especially for service, where haulage conditions demand a great abundance of power and the utmost sturdiness in design. They operate at a maximum governed speed of 8 miles per hour both forward and reverse. Regularly furnished with Electric Starting and Lighting equipment. Steel Cabs can also be furnished when specified.

TYPE "L" (STANDARD GAUGE) LOCOMOTIVES

Types "L. 40" and "L. 60" (Standard Gauge) Locomotives weigh approximately 9 and 14 tons respectively, and operate at a maximum governed speed of 8 miles per hour, both forward and reverse. Regularly furnished with Standard "M. C. B." type of couplers, steel cabs and Electric Starting and Lighting Equipment. Type "L. 60" Locomotives can be furnished with Air Brake Equipment when specified.

Type "L" (Standard Gauge) Locomotives

Note: For more complete description of Milwaukee Gasoline Locomotives ask for Catalog No. 118.

Speed, Capacity, Reliability.

There must be real selling force in advertising space that is preferred as local advertisers prefer space in The Journal. In the year just closed the Minneapolis Journal published 1,089,000 more lines of local display advertising than The Minneapolis Tribune. The Journal published also more total advertising in the year than The Minneapolis Tribune.

THE MINNEAPOLIS JOURNAL

Represented in New York, Chicago, and San Francisco by O'Mara & Ormsbee, Inc.

There must be real selling force in advertising space that is preferred as local advertisers prefer space in The Journal. In the year just closed the Minneapolis Journal published 1,089,000 more lines of local display advertising than The Minneapolis Tribune. The Journal published also more total advertising in the year than The Minneapolis Tribune.

THE MINNEAPOLIS JOURNAL

Represented in New York, Chicago, and San Francisco by O'Mara & Ormsbee, Inc.

KITCHENWARE SPECIALS

Bristol Stoneware Open Jars

A big selling sizes that will net you a good profit

E752—3 sizes, best stoneware, well shaped, brown lined, half brown outside, good butter glaze, ground edges. Asst. comprises 6 each 1 3 and 4 gal. jars in crate.
Asst (18 jars) **$6.75**

"Monarch" Black and Brown Globe Tea Pots

Fine selections which you can readily turn into extra fine profit payers

Jet Black—Extra hard baked body, best American clay, highly glazed, jet black inside and out. Sold in any quantity.

	Doz.
E395—48s. cap. 18 oz.	$4.50
E396—42s. cap. 21 oz.	4.75
E397—36s. cap. 27 oz.	5.25
E398—30s. cap. 34 oz.	5.95

Dark Brown—Extra hard baked body, best American clay highly glazed dark brown bodies. Sold in any quantity.

	Doz.
E403—42s. cap. 21 oz.	$4.25
E404—36s. cap. 27 oz.	4.95
E405—30s. cap. 34 oz.	5.75

Bristol Stoneware Covered Preserve Jars

These will make a fine display in your window with price tickets.

E788—Heavy glazed stoneware body, frost proof, non-crazing, lower half gray, upper half and inside dark brown, smooth grating edges, each with gray stone cover. Asst. comprises:

	Cap	Ht. In	Diam. In	Each	Total
4	½ gal.	7½	6¾	$0 15	$0 60
6	2 "	8¾	7¾	.25	1 50
3	2 "	11	8¾	.40	80
3	3 "	12¾	10	.65	1 20
2	4 "	14¾	10¾	.80	1 20
1	5 "	15½	11¾	1.50	1 50
1	6 "	16½	13¼	2.00	2.00

ASST. (18 jars) **$9.60**

BRISTOL STONEWARE ASSORTMENTS

Fine selections that give you the best selling items at unusually low figures

E781—Blue underglazed extra hard baked good bristol body, strictly B. K. selection Consists of 1 doz. each of the following
Tankard jug 6 qts. 8¾ in high stone covered salt box butterfly design blue lettered Salt stone covered butter jar diam. 6½ in. cauldar 7 x in.
Asstd. 4 doz. in pkg 200 lbs
(Total $11 00) Doz. **$2.75**

E935—Extra hard baked, blue glazed bristol bodies, B. K selection, Asst. comprises
1 doz. jugs 8¾ in. high, butterfly border and easter medallions.
1 doz. cuspidors 7¼ in. diam., blue mottled, banded
1 doz. raw red salt boxes 6 in. diam embossed butterflies and blue lettered "SALT" hole for hanging
Asstd 3 doz in pkg 160 lbs
(Total $8.25) Doz. **$2.75**

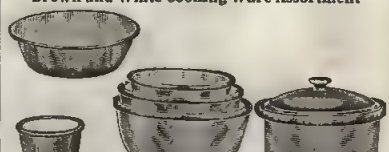
"Utility" Rockingham and Yellow Ware Kitchenware Assortment

E918—8 staple items, extra hard baked Rockingham and yellow ware bodies, highly glazed inside and out. Asst. comprises:

1 doz.	7½	"	yellow banded mixing bowls
4	7½	"	Rockingham mixing bowls
1	8½	"	yellow banded mixing bowls
1	7½	"	Rockingham nappies or pudding dishes
½	9¾	"	yellow banded mixing bowls
½	8	"	Rockingham mixing bowls
½	7½	in	Rockingham tankard jugs
½	8	"	2 lb. yellow covered butter jars

Asstd 5 doz. in crate, about 180 lbs
(Total $11 25) Doz. **$2.25**

Brown and White Cooking Ware Assortment



E928—Extra hard baked, strictly first quality stoneware body, rich brown color outside, glazed white clear lining, will not craze. Assortment consists of the following:

2	doz	casseroles, asst	8¼x2¼ in
2	"	cocottes, "	8 x2 "
2½	"	puddings, "	5½x3 "
1	"	puddings, "	6½x2¼ "
½	"	puddings, "	7½x2¼ "
½	"	puddings, "	8½x2¼ "

½	doz	deep bowls, asst	6½ in
½	"	" " "	8 "
½	"	" " "	9 "
½	"	No. 12 bean pot, brown covered	
½	"	7 in. covered casserole	

Asstd 8 doz. in pkg., 180 lbs
(Total $17 55) Doz. **$1.95**

FLOWER POTS JARDINIERES CUSPIDORS TOILET WARE

FAST SELLING JARDINIERES—Assorted Sizes

E885—3 sizes, best quality, hard baked body, highly glazed, light green and cream color. Asst. sizes as follows:

	Each	Total
Four 5 in.	$0.50	$2 00
Four 6 "	75	3 00
Four 7 "	1 00	4 00
Total retail price for asst.		$9 00

Asstd. 1 doz. in case. Asst. **$5.40**

E845 Stonecraft," 6 sizes, asstd. styles, best quality high grade hard baked body, new ware in art pottery, multi-spread glazed colors, with mat grade. Asst. contains 8 ea.

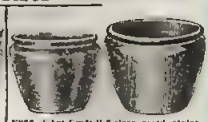
	Each	Total
Three 5½ in.	$0 75	$2 25
Three 6½ "	1 00	3 00
Two 7½ "	1 50	3 00
Two 8½ "	2 00	4 00
One 9½ "	2 50	2 50
One 10½ "	3 00	3 00
Total retail price		$20 75

Asstd. 1 doz. in case. Asst. **$9.50**

E869—4 sizes, asstd. colors, heavily embossed first quality highly glazed baked body, blue, green and dark brown.

	In set	Each	Total
Twelve 7 in.	3	$0 75	$9 00
Six 8 "	1	1 00	6 00
Four 9 "	1	1 50	6 00
Two 10 "	1	2 00	4 00
Total Retail Value			$25 00

Asstd. 2 doz. in crate. Asstd. 2 doz. **$13.75**



E888 "Art Craft," 6 sizes asstd. styles, first quality high grade hard baked body, will not crack, asstd. yellow, green, blue and brown fancy colors. Asst. comprises

Three 6 in.	$0 75
Three 6 "	1 00
Two 7 "	1 50
Two 8 "	2 00
One 9 "	2 50
One 10 "	3 00

Asstd. 1 doz. to case. Doz., **$16.25**

CLAY FLOWER POTS—Embossed and Plain

E889—5 sizes, 8 patterns, mold made and finished by hand, high grade pottery clay, very porous, asst. contains equal quantities of 5 patterns in each size. Asst. comprises

3 doz.	4 in.	asst. 4½
2 "	5 "	5½
2 "	6 "	6½
1 "	7 "	7½
1 "	8 "	8½

Asstd. 8 doz. in crate. 300 lbs. ASST. 8 doz.) **$9.25**

E891—3 sizes, asstd. patterns, mold made pots best porous clay, standard sizes. Asst. comprises

3 doz.	5 in.	asst. 5½
2½ "	6 "	6½
2½ "	7 "	7½

Asstd. 7½ doz. in pkg. 125 lbs. ASST. 7½ doz.) **$9.25**

E902—3 sizes, asstd. patterns, extra hard baked, best quality deep red clay, specially high grade throughout, new embossed designs in term cotta, standard sizes. Asst. comprises

3 doz.	5 in., asst.	5-6
2 "	6 "	6-7
1 "	7 "	7-8

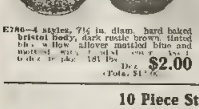
Asstd. 6 doz. in crate. 317 lbs. ASST. 6 doz. **$10.00**

E892—4 sizes, asstd. patterns, no. 1 made hand finished best pottery clay term cotta, brown, asstd. patterns. Asst. comprises

1 doz.	8 in., asst.	8-9
1 "	9 "	9½
1 "	10 "	10
½ "	12 "	12½

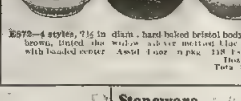
Asstd. 3½ doz. in crate. 310 lbs. ASST. 3½ doz. **$11.50**

BRISTOL CUSPIDORS—Plain and Decorated

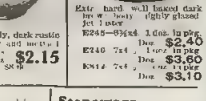


E786—4 styles, 7½ in. diam., hard baked bristol body, dark rustic brown, tinted blue, yellow all over mottled blue and mottled white, signal ware. Asst. 6 doz. in pkg. 181 lbs. Doz. **$2.00** (Total, $1 75)

E220—Ace, 7 in., American bristol white body, blue stamped decorations, lt. blue and white glazed inside and out. 1 doz. in pkg. Doz. **$2.25**



E572—4 styles, 7½ in. diam., hard baked bristol body, dark rustic brown, tinted the yellow all over mottled lilac and mottled white beaded center. Asstd. 6 doz. in pkg. 198 lbs. Doz. **$2.15** (Total, $2 00)



E47—hard well baked dark brown body, highly glazed jet black.

E245—3½x4. 1 doz. in pkg. Doz. **$2.40**

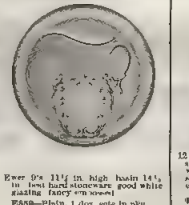
E240—7x4. 1 doz. in pkg. Doz. **$3.60**

E814—7x4. 1 doz. in pkg. Doz. **$3.10**

10 Piece Stoneware Toilet Set

E213—10 pcs., gray stoneware body well made all full size pieces, best glazed embossed bowknot design, blue medallion floral and blue tinsel border decorations, set comprises large ewer and basin, large hot water pitcher, brush holder, handled mug, covered chamber and covered soap dish. 2 sets in pkg. (Total $6 50) Set **$3.25**

Stoneware Ewer and Basin



Ewer 9½ 11½ in. high basin 14½ in. best hard stoneware good white grazing fancy embossed.

E859—Plain, 1 doz. sets in pkg. Doz. sets **$15.95**

E860—Fancy embossed, ½ doz. sets in pkg. Doz. sets, **$17.25**

Stoneware Combinet

Fancy Embossing

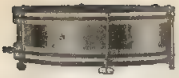
12 in. high, diam. 10, large full shape embossed, standard stoneware, white quality glazed inside and out, wire bail, enameled wood handles.

E741—1 doz. in pkg., about 180 lbs. Doz. **$8.25**

½ doz. in pkg., about 95 lbs. Doz **$9.00**

Fine Snare Drums

For Band and Orchestra work. The Best Made



Genuine calf skin heads, metal plated and polished shell, nickel plated and polished thumb screw rods, waterproof snares with thumb screw strainer, maple hoops with metal strip in center, professional model sticks, closely woven web sling

5+6641 Size 12x3 inches.....**$11.35**
5+6642 Size 14x3 inches... . **15.20**

5+6643 Size 13x13 inches. High grade maple shell with maple counter hoops, 6 professional type rods, highly nickel plated; easily working genuine calf heads **$18.15**

Professional Bass Drums

This bass drum in any size is the acme of perfection. All rods braced in center, maple hoops, natural finish. Also fitted with calf skin heads.

Maple Shell	Mahogany Shell	
5+6645	**5+6646**	Shell size 24x12, 10 rods **$48.80**
5+6647	**5+6648**	Shell size 26x12, 10 rods **$53.10**
5+6649	**5+6650**	Shell size 28x14, 12 rods **$60.65**
5+6651	**5+6652**	Shell size 30x14, 12 rods **$67.35**
5+6653	**5+6654**	Shell size 32x14 12 rods **$75.85**

"A Mighty Popular Drum with the Profession"

5+6658 Size 8x24 inches, maple or mahogany veneer shell, strongly reinforced. Fine quality heads, improved nickel plated thumb-screw rods. Designed especially for the jobbing dance drummer Price **$43.60**

5+6659 Size 10x24 inches, otherwise same description as above Price **$45.00**

Monarch Orchestra Drum

5+6655 Size 14x3 inches, solid maple shell, maple hoops, natural color, 14 thumb rods, N. P., hand polished, 12 waterproof snares two calf heads.....**$33.65**

5+6644 Size 14x14 inches, special nickel alloy, non-rusting metal shell. Rigid and well made Natural finish, maple hoops, with non-rusting metal inlaid band, highly nickel plated thumb screw rods, waterproof snares, with snare strainer, calf heads, complete with sticks and sling Each **$15.20**

BE A DRUMMER

If You Are One, Here's Good News for You

5+6657 This outfit fills a long-felt want. Ideal for dance, theatre, school band or orchestra, and particularly for home, in combination with the player piano or phonograph.

Here's What You Get!

Excellent Bass Drum, 8x24
Fine Snare Drum, 3x13.
One Ludwig Junior Pedal
Spurs and Cymbal Clamp
One Snare Drum Stand
One Pedal Cymbal.
One Crash Cymbal.
One Crash Cymbal Holder
One Two-tone Block and Holder.
One Pair Fine Drum Sticks

Price, complete.... ..... **$92.00**

5+6660 Little Wonder Drum Outfit. One 22-inch Bass Drum, finely finished The shell is ma hogany finish, and the hoops are maple, affording a splendid contrast, as clearly shown in the above illustration. Six nickel plated thumb rods. This drum is equipped with two high grade heads instead of a single head, as usually found in an outfit selling near this extremely low price

One Snare Drum, size 3x13 inches. The finish is the same as that of the bass, affording a perfect match. Fully complete with six snare strainers; six nickel plated thumb rods; two metal strips, inlaid around maple hoops Equipped with two high grade heads.
One Professional Model Drum Stand.
One 7-inch Pedal Cymbal and Holder for same.
One Drum Pedal, which performs with a precision that will satisfy a professional
One Standard Crash Cymbal and Holder.
One pair Spikes for bass drum.
One pair fine Sticks

Price, complete..... .. .. **$53.25**

Professional Metal Shell Drum

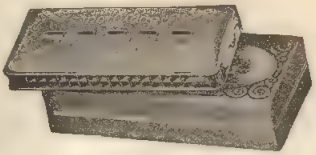
5+6656 Size 14x4 inches. The Dance Model. Corrugated brass shell, heavily nickel plated two post center tightening support, 6 pair separate tightening screws, patented combination snare strainer and muffler, and combination silk wire snares.

Price **$46.15**

Our Drums Represent the Very Best Obtainable at Their Price; They Are Chosen by the Foremost Musical Organizations of the Country for Their Exacting Work

Mellow Toned Harmonicas

Popular and Reliable. Prices Each
Imported from Europe



5+6666 "The Nestor Concert" Pattern 4¾ inches long, 10 double holes on one edge, 20 Reeds on zinc plates, Nickel Plated Reed Covers, in neat telescopic box **$0.45**

5+6667 "Rauner Richter," 10 single holes, 20 reeds, nickel plated covers, screw bolt and nut fasteners, assorted keys.... .....**$0.45**

5+6668 "Blue Ribbon," 10 single holes, 20 reeds on brass plates, length 3⅞ inches **$0.45**

5+6669 "The Globe Trotter," 10 single holes, brass reed plates, nickel covers, in hinge box **$0.45**

5+6670 Piccolo, 10 double holes, 20 reeds on brass plates, concave nickel plated covers in hinge lid box.. ..**$0.60**

5+6671 The Chicago Cub, 10 single holes, 20 superior quality reeds, brass plates, nickel covers, in hinge box .**$0.60**

5+6672 The Conqueror, 5¾ inches long, 18 double holes on one edge, 36 reeds on zinc plates, nickel plated reed covers, in neat telescopic carton.....**$0.65**

5+6673 The Hero, 16 double holes, 32 bell metal reeds, brass plates, nickel covers, tremolo tuning **$0.75**

5+6674 The Meteor, 10 double holes, 40 reeds, brass reed plates, brass covers, nickel plated, full concert, assorted keys **$0.85**

5+6675 The Musketeers, 10 double holes, 40 superior quality reeds, brass plates, heavy nickel covers, powerful tone easy blowing, assorted keys.....**$0.85**

5+6676 Happy Hours, 16 double holes on each side, 64 reeds, white metal plates, nickel plated covers, size 4¼ by 4⅞ inches, in hinge box with chromo lid **$1.30**

5+6677 Artist Gebr. Ludwig, 10 double holes, 20 reeds, on brass plates, full concert, nickel covers, in hinge lid box.**$1.15**

Music Stands and Cases

5+6678 The Hamilton Combination Stand. Nickel plated, with desk adjustable to any angle. Desk can be used separately as a table stand (see illustration). Each . . . **$5.10**

5+6679 "The Orchestra Stand." Iron standard, black japanned, gilt trimmed, hardwood desk, adjustable to different angles Each .. **$10.30**

5+6680 Same as 5+6679, but rigid desk Each . .. **$9.70**

5+6681 Music Stand. Iron, japanned, improved pattern, solid steel legs. Weight, 38 oz. Each **$1.55**

5+6682 Nickel-plated improved umbrella pattern, solid steel legs Weight 38 oz. Each **$2.30**

DRUM STAND
Automatic Gravity Ball Lock

The desk is adjustable to any angle and will accommodate any size drum. An important and valuable feature is the hook at the top of the desk. The position of this appliance may be regulated to suit the diameter of the drum and tightly fastened at the desired point by a wing nut which cannot slip

5+6683 Each . **$3.15**

Music Stand Cases

5+6684 Music Stand case, leather, for Folding Iron Stands Nos. 5+6681-5+6682. Price **$4.30**

5+6685 Music Stand Case, leather, for Folding Iron Stand No. 5+6678 Price **$3.00**

5+6686 Professional Model Music Stand Case to fit No. 5+6678....**$3.00**

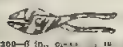
THE ABOVE PRICES ARE SUBJECT TO THE REGULAR DISCOUNT

IF ANY ARTICLE PROVES UNSATISFACTORY, RETURN AT ONCE WE WILL EXCHANGE OR REFUND MONEY

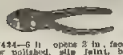
PLIERS—WRENCHES—SNIPS

HANDY PLIERS

2H1475—5 in., 16 gauge polished steel, scored jaws. 1 doz. in box Doz. **64c**



2H1300—6 in., [illegible] joint, thin steel white nickeled [illegible] Doz. **87c**



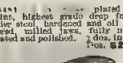
2H7434—6 in. opens 2 in., face of jaw polished, slip joint, black japanned handles 1 doz. in box Doz. **95c**

2H489 8 in., slip joint, cast iron nickeled finish 4 doz. in box Doz. **$1.08**

2H476—(Mfrs. 344), **Schollhorn Leaf,"** 6 in., 16 gauge, natural tool steel, milled jaw. 1 doz. in box. . . . . Doz. **$1.20**

2H4450—8 in. slip joint, drop forged steel, thoroughly tempered, natural finish, each in carton. 1 doz. in carton . . . . . Doz. **$1.85**

2H4481 [illegible] plated slip joint, highest grade drop forged plier steel, hardened and oil tempered, milled jaws, fully nickel plated and polished. 1 doz. in box Doz. **$2.25**



2H467—6 in., combination, highest grade drop forged plier steel, hardened and oil tempered, milled jaws, full [illegible] and big pony label, warranted, each in carton. ½ doz. in carton **$2.60**

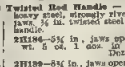
PLIER ASSORTMENT

2H463—20 gauge polished tool steel, milled jaws and [illegible] in. flat nose wire cutting and 6 in. plain flat nose pliers. Assd. 1 doz. in box . . . . Doz. **$1.08**

MONKEY WRENCHES

Twisted Rod Handle — Polished heavy steel, strongly riveted steel jaws, ⅜ in. twisted steel wire rod handle.

	Length	Jaw Opens	Each
2H1186	6 in.	½ in.	$0.48
wt. 8 oz.	1 doz. in box		Doz. **$1.08**
2H1189	8½ in.	1⅝ in.	
wt. 1 lb.	½ doz. in box		Doz. **$2.26**



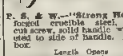
Wood Handle—Natural black finish wrought steel bar through hardwood handle, riveted end. ½ doz. in pkg

	Length	Jaw Opens	Each
2H1101	6 in.	¾ in.	$2.76
2H1102	8 "	1¼ "	4.20
2H1103	10 "	1⅝ "	6.50

P. S. & W.—"Strong Hold," bar forged crucible steel, machine cut screw, solid handle wood pocket steel to side of handle. ½ doz. in box.

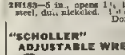
	Length	Opens	
2H4744	6 in.	¾ in.	$1.20
2H4745	8 "	1 "	1.90
2H4746	10 "	1¼ "	3.00
2H4749	12 "	1½ "	4.50

BICYCLE WRENCH



2H1183—5 in., opens 1½ in. heavy steel, [illegible] nickeled. 1 doz. in box Doz. **$1.50**

"SCHOLLER" ADJUSTABLE WRENCHES



Straight nut, steel frame, tempered milled jaws, sliding knurled screws, polished head and jaws, black enameled handle. ½ doz. in box

	Length	Opens	Doz.
2H1113	6 in.	¾ in.	$4.60
2H1112	8 "	1 "	6.75
2H1114	10 "	1⅜ "	9.75

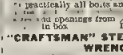
DOUBLE END WRENCHES

2H7825—Stamped from heavy steel, [illegible] practically all bolts and nuts on [illegible] openings from ⅜ to 1 in. in box Doz. **84c**

"CRAFTSMAN" STEEL WRENCH SET

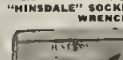
2H9378 Tool steel, milled ends, black finish, nickel openings, [illegible] sets in box. . .SET (5 pcs.) **84c**

"HINSDALE" SOCKET WRENCH SETS



2H5075—10 pieces, white nickel finish, 9 in ratchet wrench, 7 extra heavy pressed steel sockets, 8 in rolled steel extension bar, universal joint, socket openings 17-32, 20-32, 23-32, 26-32, 29-32 and 32-32, [illegible] inch set in box

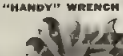
[illegible] $2.10



2H5076—23 pieces, white nickel finish, 9 in ratchet wrench, 6 extension bar, 14 hexagon pressed steel sockets, 6 square sockets. Hexagon opening sizes, 13-32, 15-32, 17-32, 19-32, 21-32, 23-32, 25-32, 27-32, 29-32 and 1-2-32, 1 [illegible] 12 [illegible] set in box

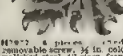
[illegible] $4.25

"HANDY" WRENCH SET

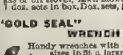


2H7977 6 pieces [illegible] removable screw, ⅜ in. cold rolled polished steel, 12 sizes, from ⅜ to ⅞ in., fits nuts on sewing machines gas or oil stoves, lawn mowers, etc. 1 doz. sets in box. Doz. sets, **$1.08**

"GOLD SEAL" WRENCH SETS



Handy wrenches with openings sizes to fit a large assortment of nuts.



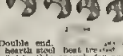
Double end, [illegible] hearth steel best [illegible] finish, thin enough for any [illegible] guaranteed against breakage, 6 in and 1 set in carton

2H9488—Straight wrenches. SET (5 pcs.) **42c**

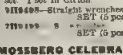
2H9489 [illegible] SET (5 pcs.) **42c**

MOSSBERG CELEBRATED WRENCH SETS

Highest grade wrench tool steel, hardened and tempered, best finish obtainable. Each guaranteed.



2H1185—"S" pattern, 5 sizes, opening from ⅜ to 1 in., 22 degree angle, hardened and tempered steel nickeled finish, 5 in set in box SET (5 pcs.) **88c**

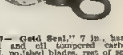


2H1190—Straight pattern, hardened and tempered nickeled finish, openings from ⅜ to 1 in., 5 in set. 1 set in box. . . . . SET (5 pcs.) **78c**

FIRESIDE

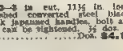
2H1447 [illegible] case hardened steel full nickeled, milled edge jaws 2 doz. to pkg Doz. **64c**

TINNERS' SNIPS

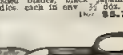


2H927—**Gold Seal,"** 7 in., hardened and oil tempered carbon steel, polished blades, rest of snip black japanned, for household use. 1 doz. in box. . . . . Doz. **$2.10**

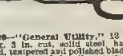
2H515—8 in cut, 1¼ in long, polished converted steel blades, black japanned handles, bolt and nut cast to tightened. ½ doz. in box. . . . . Doz. **$4.10**



2H519—**Pocket snip,** 7 in. long, 1 in cut, hardened, tempered and crimped blades, black japanned handles each in envy ½ doz. in box Doz. **$2.75**

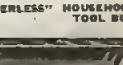


2H820—**"General Utility,"** 12 in. long, 3 in. cut, solid steel hardened, tempered and polished blades, black japanned handles, each in envy ½ doz. in box. Doz. **$3.25**



2H1374—8 in. cut, 7½ in. long, forged steel, each in envy ½ doz. in box. . . . . Doz. **$10.50**

"PEERLESS" HOUSEHOLD TOOL BOX



2H1600—27 [illegible] steel body [illegible] enameled, rounded corners lock and key, suit case snaps, carrying handle [illegible] Each **$3.10**

When You Want Goods Quick—
Order From
BUTLER BROTHERS

"MORCO" PIPE WRENCHES

The Original Stillson Pattern

Each wrench guaranteed Stillson Wrench List. The prices count a discount of 65% from the regular

Best grade high carbon steel, fitted with high quality wood handle. ½ doz. in box.

2H4598—8 in. Doz. **$9.45** | 2H9419—10 in. Doz. **$10.50** | 2H4597—14 in. Doz. **$14.70** | 2H4592—18 in. Doz. **$21.00**

Genuine Walworth "Stillson" Wrenches

Every wrench strictly guaranteed

Wood Handle—Guaranteed superior quality tool steel, bar through wood handle, all parts interchangeable. 1 in pkg

	Length	Grips	Lots of 6 Each	Each
2H155	6 in.	¼ to ⅝ in.	$0.86	$0.92
2H156	8 "	¼ " ¾ "	.89	1.05
2H157	10 "	¼ " ⅞ "	1.08	1.15
2H158	14 "	¼ " 1 "	1.62	1.62

Lens Steel Handle—Guaranteed superior quality tool steel, all parts interchangeable. 1 in pkg

	Length	Grips pipe	Lots of 6 Each	Each
2H1204	6 in.	¼ to ⅝ in.	$0.85	$0.92
2H8195	8 "	¼ " ¾ "	.95	1.05
2H928	10 "	¼ " 1 "	1.08	1.15
2H928-14	14 "	¼ " 1½ "	1.62	1.62

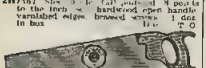
Long Steel Handle—For extra heavy work, superior quality tool steel, all parts interchangeable, 1 in pkg.

	Length	Grips pipe	Each
2H1205—18 in.		¼ to 2 in.	$2.26
2H1206—24 "		¼ " 2½ "	3.25

SAWS AND SAW BLADES

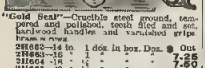
HAND SAWS

2H4767 Nine ... full polished ... pots to the inch ... hardwood open handle ... varnished edges, brazed screws ... 1 doz in box ... Doz ... Gross

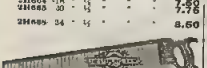


"Gold Seal"—Crucible steel ground, tempered and polished, teeth filed and set, hardwood handles and varnished grips, brass screws.

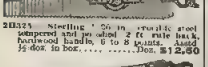
2H665—14 in.	1 doz. in box.	Doz.	9	Gross
2H663—16 "	1 " "	"	7.25	
2H664—18 "	1 " "	"	7.92	
2H665—20 "	1 " "	"	7.75	
2H668—24 "	1 " "	"	8.50	



2H3325 Sterling ... crucible steel tempered and ... 2 ft. rule back, hardwood handle, 6 to 8 points. Assid. ½ doz. in box ... Doz. $12.00



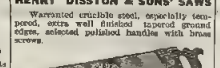
2H315 "Eureka," 26 in., ... crucible steel thin ground back, 7 to 9 points. Assid. ½ doz. in box ... Doz. $15.75



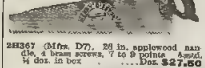
2H1349 Belmont ... steel ... polished ... handle, ... back, 4 brass screws, warranted 6 to 8 points. Assid. ½ doz. in box ... Doz. $17.50

HENRY DISSTON & SONS' SAWS

Warranted crucible steel, especially tempered, extra well finished tapered ground edges, selected polished handles with brass screws.

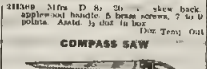


2H3267 (Mfrs. D7), 26 in. applewood sandpie, 6 brass screws, 7 to 9 points. Assid. ¼ doz. in box ... Doz. $27.50



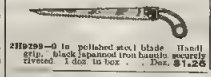
2H1369 Mfrs. D 8) 26 in. ... skew back, applewood handle 6 brass screws, 7 to 9 points. Assid. ½ doz in box ... Doz. Terms Cash

COMPASS SAW

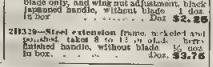


2H9299—9 in. polished steel blade. Handi grip, black japanned iron handle securely riveted. 1 doz in box ... Doz. $1.26

BUCK SAWS



2H7354—Natural finish cherry wood frame, straight shingles, 30 in. polished crucible steel blade. 1 doz in case. Doz. $7.50

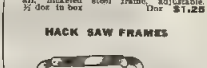


2H8376—"Master Mechanic," 30 in. clock spring blade, tempered and blued, 14 in. wide, thin back, filed and set, assid. blue and mahogany finish frames, patent ... ring, ... and ... case in box ... Doz. $10.50

ADJUSTABLE COPING SAW

2H813—6 in. tempered blade, 10 in. over all, nickeled steel frame, adjustable. ½ doz in box ... Doz. $1.25

HACK SAW FRAMES



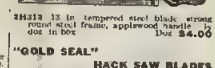
2H839—Steel frame, nickel plated, takes 8 in. blade only, and wing nut adjustment, black japanned handle, without blade. 1 doz in box ... Doz. $2.52

2H339—Steel extension frame, nickeled and polished, takes 8 to 12 in. blade, hetty finished handle, without blade. ½ doz in box ... Doz. $3.75

MEAT SAW

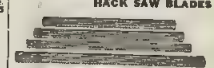
2H3313 13 in. tempered steel blade, strong round steel frame, applewood handle. 1 doz in pkg. Doz. $4.00

"GOLD SEAL" HACK SAW BLADES



8in—Special crucible steel, hardened and tempered by secret process. 1 doz in pkg.

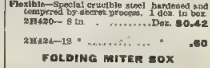
2H3387—8 in.	.....	Doz.	$0.42
2H3397—10 "	.....	"	.45
2H3401—10 "	.....	"	.49
2H3410—12 "	.....	"	.54



Flexible—Special crucible steel hardened and tempered by secret process. 1 doz in box.

2H3420—8 in.	.....	Doz.	$0.42
2H3424—12 "	.....	"	.60

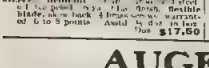
FOLDING MITER BOX



2H1626 16x5½ adaptable to any hand or back saw, takes metal saws up to 2½ in. hardened varnished frame, nickeled guides. 1 in box ... Each $2.10

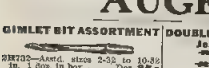
AUGER BITS—BRACES—VISES

GIMLET BIT ASSORTMENT



2H3732—Assid. sizes 2-32 to 10-32 in. 1 doz. in box ... Doz. $0c

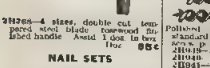
GIMLET ASSORTMENT



2H3en—4 sizes, double cut tempered steel blade, rosewood finished handle. Assid. 1 doz in box. Doz. $0c

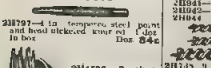
NAIL SETS

2H3797—4 in. tempered steel point and head nickeled knurled. 1 doz. in box ... Doz. $4c



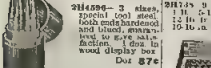
2H4596—3 sizes, special tool steel, both ends hardened and blued, enameled ... to give satisfaction, packed in wood display box. Doz. $7c

"CLEVELAND" BIT AND DRILL SETS



Straight Shank Drill—9 sizes, blanket grade crucible steel, for 3 jewel chuck; drills and braces fit all hand and breast drills. 1 each 1-16, 5-64, 3-32, 7-64, 1-8, 9-64, 5-32, 11-64 and 3-16. 9 in set.

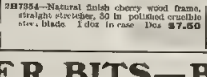
2H3561—1 set in pkg. SET (9 pcs.) 74c



Stock Drill—9 sizes, tempered carbon steel, for metal or wood, 1 each 3-32, 7-64, 1-8, 9-32, 5-32, 7-32, 9-32, 5-16, 11-32 and 3-8. 9 in set.

2H3576—Each in ... hardened box. SET (9 pcs.) $2.10

DOUBLE CUT AUGER BITS Jennings' Pattern



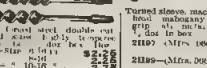
Polished, ... steel, double cut standard screw ... to prevent screw ... in ... doz. in box. Doz.

2H3618—Size 4 (or 11)	$2.25
2H3619— " 5 " 12	2.50
2H3941— " 10-16 "	2.75
2H3942— " 12-16 "	3.00
2H3944— " 16-16 "	4.10

2H7349 9 sizes, polished, 1 each 10, 5-16, 7-16, 9-16, 11-16 and 12-16. 1 each 6-16, 8-16 and 10-16 in. Assid. 1 doz. in box. Doz. $2.25

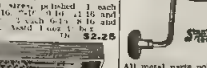
2H7741 11 sizes, polished, 1 each 4 to 14 in. Jennings' pattern in varnished ... box. Set (11 pcs.) $4.75

DOUBLE CUT AUGER BIT ASSORTMENT



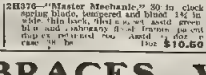
2H7472 ... sizes, Jennings pattern, highly tempered, royal ... finish, 1 each 4-16 to 16 and 8-16 to 16. 1 doz. in box. ... Doz. $2.10

"YANKEE" DRILLS



2H8888—(Mfrs. 42) Spiral ratchet, metal parts, rosewood ... handle. 8 ... drills. 1 in box. Each $1.86

STANLEY "VICTOR" SLEEVE BIT BRACES



Turned sleeve, ... jaws, quilted bend, mahogany finish ... and grip, nickel ... parts polished. 1 doz in box.

2H197—(Mfrs. 100) 8 in. sweep. Doz.	$8.25
2H198—(Mfrs. 900) 10 in. sweep. Doz.	10.50

STANLEY "VICTOR" OPEN RATCHET BIT BRACES

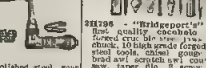
All metal parts polished steel ... securely pinned, hardened steel ... gator ... jaws fitted to ... ... ring ratchets, turned sleeves, quilted bend, head and grip cherry finish. 6 in. ...

2H95-8—(Mfrs. 965) 8 in. sweep. Each	$1.65
2H96-10—(Mfrs. ... 10 in. sweep. Each.	1.85

"STANLEY" BREAST DRILL

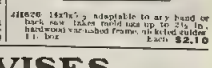
2H733—3 piece strong malleable iron frame, ... inch weight, 2 speed design, ... nickeled frame, brush pad, ... to ... shell fitted with ... ... chuck, ... and ... chuck. 1 in box. 6 ... Each. $4.50

"YANKEE" DRILLS



2H8570—Ratchet, single speed, 3 jaw tool steel chuck, heavy malleable frame, dull black finish, gears right and left hand, ... ratchet movement, easily adjusted. 1 in box. ... Each. $4.15

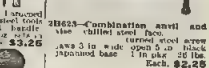
TOOL SETS



2H192 "Gold Seal" ... nickeled steel ... 11 varnished ... handle, ... box. ... $3.25

2H196 "Bridgeport" ... selected fine quality cocobolo handles, forged cruc ... steel, ... nickeled chuck, 10 blade forged crucible steel tools, ... gouge, ... bradawl, ... scratch awl, ... saw, taper file, 3 screw drivers. 1 set in pkg. Set (10 pcs.) $2.10

GLASS CUTTERS

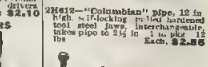


2H803 Specs ... steel cutter guaranteed to cut 5 miles of glass, ... handle, ... 1 doz. in box. ... Doz. 78c

2H807 "Ruby," highly tempered cutter ... frame, ... handle. Made by Fletcher ... Co. 1 doz. in box. ... Doz. $1.26

(Terms, 2-10)

2H804—6 in 1," nickeled steel head, set with revolving turret, 6 ... steel cutting wheels, ... rubberoid handle. 1 doz. in box. ... Doz. $2.10



2H810—"Gold Seal," 6¼ in., full ... head, ... handle, ... finish handle, each with 3 hand, ... steel ... cutting wheels. 1 doz. in box. ... Doz. Out

MEAT SAW

2H3313 13 in. tempered steel blade, strong round steel frame, applewood handle. 1 doz in pkg. Doz. $4.00

"GOLD SEAL" HACK SAW BLADES

8in—Special crucible steel, hardened and tempered by secret process. 1 doz in pkg.

2H3387—8 in.	.....	Doz.	$0.42
2H3397—10 "	.....	"	.45
2H3401—10 "	.....	"	.49
2H3410—12 "	.....	"	.54

Flexible—Special crucible steel hardened and tempered by secret process. 1 doz in box.

2H3420—8 in.	.....	Doz.	$0.42
2H3424—12 "	.....	"	.60

FOLDING MITER BOX

2H1626 16x5½ adaptable to any hand or back saw, takes metal saws up to 2½ in. hardened varnished frame, nickeled guides. 1 in box ... Each $2.10

VISES

2H623—Combination anvil and vise, chilled steel face, ... turned steel screw, jaws 3 in wide open 5 in, black japanned base. 1 in pkg. 26 lbs. Each. $2.25

2H612—"Columbian" pipe, 12 in high, self-locking pulled hardened tool steel jaws, interchangeable, takes pipe or 2½ in. ... in pkg. 15 lbs. Each. $2.86

Oval Sliding Pattern—Chilled steel face, polished jaws, cut screw, black japanned finish. 1 in pkg.

2H6616—2½ in. jaws, wt. 8 lbs. Each.	$2.25
2H6617—3 in. jaws, wt. 14 lbs. Each.	$2.85
2H6618—3½ in. jaws, wt. 22 lbs. Each.	$3.10

GIANT CLAMP

2H4455—Opens 2 in. 1¾ in. throat, malleable frame, steel screw, steel swivel washer, ... box to break. 1 doz. in pkg. Doz. $2.25

FORD CAR WRENCHES

MOSSBERG

FORD WRENCH
DISPLAY BOARD ASSORTMENT

The Most Desirable Selection of Wrenches for Ford Cars, Mounted on an Attractive Display Board Made of Second Growth Chestnut, Easel Back and Finished with Three Coats of Varnish.

Hooks are Nickel Plated and Each Pair Holds Two Wrenches.

All Wrenches Made from Heavy ⅜ inch Steel Bar, Satin Nickel Finish.

Contents:

3—[illegible] Rim Wrench.
[illegible]—608 Valve Grinders.
5—[illegible]1 Speed Brace Wrench.
3—[illegible]2 Speed Brace Wrench.
5—[illegible]3 Speed Brace Wrench.
3—[illegible] Main Bearing Wrench.
5—623 Connecting Rod Wrench.
2—[illegible]2 Rachet Connecting Rod Wrench.
5—[illegible] Offset Wrench.
5—[illegible] Carburetor and Generator Wrench.
5—[illegible] Cylinder Head Wrench.
3—634 Spring Perch Nut Wrench.
4—635 Spark Plug and Cylinder Head Wrench.
3—636 Fly Wheel Cap Screw Wrench.
2—638 Wrist Pin Wrench.
6—645 Ratchet Transmission Wrench.
5—650 Hub Cap Wrench.
3—652 Universal Joint Assembly Wrench
3—654 Valve Spring Lifters.
4—676A Double End Offset Wrench.
2—676B Triple End Offset Wrench.
4—2337 12 inch Toe Solid Socket Wrench.

Per Assortment

No. M600—Assortment of 81 Wrenches; Display Board, 20x66 inches..... ...**$94 50** 63.00

One in a Box, Shipping Weight, 120 lbs.

KEEP YOUR STOCK OF AUTO ACCESSORIES UNBROKEN, AND THE TRADE OF THE GOOD MECHANICS WILL COME YOUR WAY.

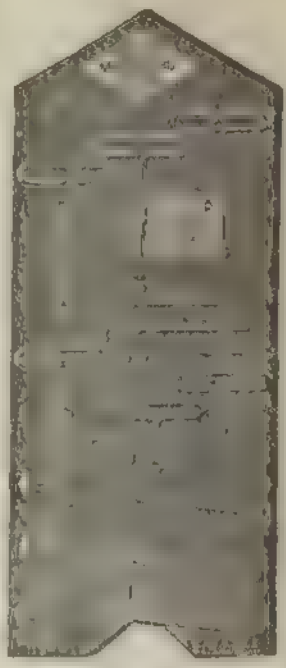
THE SHAPLEIGH LINE EMBRACES ALL THE BEST SELLING AUTO ACCESSORIES.

IT IS DANGEROUS TO ADVERTISE A "COMPLETE" STOCK OF AUTO ACCESSORIES AND THEN RUN SHORT BECAUSE OF NEGLECT TO SEND A MAIL ORDER.

IF YOU HAVE A COMPLETE STOCK THE CUSTOMER AT ONCE GAINS A GOOD OPINION OF YOUR STORE AND FIRST IMPRESSIONS ARE OFTEN VITAL.

SOCKET WRENCHES

MOSSBERG



This Group of Wrenches Represents the Three Most Frequently Used Sizes of Sockets in the Four Types of Handles.

Made of ⅜ inch Steel Bar Sockets of Heavy Special Steel, Round Shape for Clearance.

Finish: Burnished Nickel.

Board of Selected Chestnut, 1 inch.

Steel Hooks, Nickeled.

Contents:

18—[illegible]01 Series.
18—[illegible]00 Series.
18—2300 Series.
18—2400 Series.

In Three Sizes, Six of Each ⅜, ½ and ⅝ inches

Per Assortment

No. M2500—Assortment of 72 Wrenches with Display Board 20x30 inches, Easel Back; Weight per Assortment, 113 lbs.. **$66 00** 44.00

One in a Box

MOSSBERG

Tee and Offset Socket Wrench Display Boards.

Forty Seven 6 inch "T" Solid Socket Wrenches, 8 Each ⅝; 6 Each ½, ⅞, ⅜, ⅛, ¾, ⅝; 3 Each ⅞, ⅜ and ⅛.

Fifty Seven 12 inch "T" Solid Socket Wrenches, 9 Each ⅝; 6 Each ½, ⅞, ⅜, ⅛, ¾ and ⅝ 4 Each ⅞, ⅜ and ⅛

Thirty Six 10 inch Offset Socket Wrenches, [illegible] ⅝, ⅞, ⅜, ⅛, ¾ and ⅝, 2 Each ⅞, ⅛ and ⅛.

Each Wrench Satin Nickel Finish; Each Pair of Hooks Holds Two Wrenches; Board is Natural Finish with 3 Coats of Varnish.

Size: 20 inches Wide, 66 inches High.

Per Assortment Display

No. ML—Assortment of 140 Wrenches with Boards..... **$118.60** 77.75

One in a Box, Weight per Assortment 148 lbs

SOLID SOCKET WRENCHES

MOSSBERG

6 inch "T" Handle Socket Wrench

Made from ⅛ inch Steel Bar. Sockets of Special Steel, Round Shape, Allowing Minimum Clearance. Properly Hardened.

Length 7½ inches; Finished in Burnished Nickel.

	Socket Opening Size Hex. inches	U. S. Standard Nuts and Bolt Heads. Bolt Size inches	S. A. E. Standard Nuts and Screw Heads. Screw Size inches	Hex. Head Cap Screws. Screw Size inches	Each
No. M2229	[illegible]	..	¼	¼	$0.85 .56
No. M2233	[illegible]	¼	[illegible]	[illegible]	.85 .56
No. M2237	[illegible]	..	⅜	⅜	.85 .56
No. M2239	[illegible]	[illegible]	..	..	.85 .56
No. M2241	[illegible]	..	[illegible]	[illegible]	.85 .56
No. M2245	[illegible]	⅜	..	..	.85 .56
No. M2249	[illegible]	..	½	½	.85 .56
No. M2251	[illegible]	[illegible]	..	..	.85 .56
No. M2253	[illegible]	..	..	[illegible]	.85 .56
No. M2257	[illegible]	..	[illegible]	⅜	.85 .56

Six in a Carton. Weight 8 lbs.

12 inch "T" Handle Socket Wrench

Made from ½ inch Steel Bar, Length Over All, 12 inches Satin Nickel Finish

	Socket Opening Size Hex. inches	U. S. Standard Nuts and Bolt Heads. Bolt Size inches	S. A. E. Standard Nuts and Screw Heads. Screw Size inches	Hex. Head Cap Screws. Screw Size inches	Each
No. M2329	[illegible]	..	¼	¼	$0 90 .60
No. M2333	[illegible]	¼	[illegible]	[illegible]	90 .60
No. M2337	[illegible]	..	[illegible]	[illegible]	90 .60
No. M2339	[illegible]	[illegible]	..	..	90 .60
No. M2341	[illegible]	..	[illegible]	[illegible]	90 .60
No. M2345	[illegible]	⅜	..	..	90 .60
No. M2349	[illegible]	..	½	½	90 .60
No. M2351	[illegible]	[illegible]	..	..	90 .60
No. M2353	[illegible]	..	..	[illegible]	90 .60
No. M2357	[illegible]	⅜	[illegible]	[illegible]	90 .60

Six in a Carton, Weight Each, 10 lbs.

Speed Brace Socket Wrench

Made from ⅛ inch Steel Bar, Length 19¼ inches Over All. Satin Nickel Finish.

	Socket Opening Size Hex. inches	U. S. Standard Nuts and Bolt Heads. Bolt Size inches	S. A. E. Standard Nuts and Screw Heads Screw Size inches	Hex. Head Cap Screws. Screw Size inches	Each
No. M2420	[illegible]	..	¼	¼	.. $1 20 .80
No. M2433	[illegible]	¼	[illegible]	[illegible]	.... 1 20 .80
No. M2437	[illegible]	..	⅜	⅜	.... 1.20 .80
No. M2439	[illegible]	[illegible]	..	..	.... 1.20 .80
No. M2441	[illegible]	..	[illegible]	[illegible]	.... 1 20 .80
No. M2445	[illegible]	⅜	..	..	.... 1 20 .80
No. M2449	[illegible]	..	½	½	.... 1.20 .80
No. M2451	[illegible]	[illegible]	..	..	.... 1 20 .80
No. M2453	[illegible]	..	..	[illegible]	.... 1.20 .80
No. M2457	[illegible]	½	[illegible]	⅜	....1.20 .80

Six in a Carton Weight 11¾ lbs.

SWIVEL JOINT WRENCHES

MOSSBERG

12 inch "T" Handle Swivel Joint Wrench

Made from ½ inch Heavy Steel Bar; Sockets of Special Steel.

[illegible] is New Style Wrench Makes Adjustments Possible that Otherwise Would Require Disassembling of Interfering Parts.

	Socket Opening Size Hex. inches	U. S. Standard Nuts and Bolt Heads. Bolt Size inches	S. A. E. Standard Nuts and Screw Heads. Screw Size inches	Hex. Head Cap Screws. Screw Size inches	Each
No. M2929	[illegible]	..	¼	¼	$2 25 [illegible]
No. M2933	[illegible]	¼	[illegible]	[illegible]	.... 2 25 [illegible]
No. M2837	[illegible]	..	[illegible]	[illegible]	.....2 25 [illegible]
No. M2839	[illegible]	[illegible]	..	..	.. 2 25 [illegible]
No. M2841	[illegible]	..	[illegible]	[illegible]	.... 2 25 [illegible]
No. M2845	[illegible]	⅜	..	..	.... 2 25 [illegible]
No. M2849	[illegible]	..	½	½	.... 2 25 [illegible]
No. M2851	[illegible]	[illegible]	..	..	.... 2 25 [illegible]
No. M2853	[illegible]	..	..	[illegible]	.... 2 25 [illegible]
No. M2857	[illegible]	½	[illegible]	⅜	.... 2 25 [illegible]

Six in a Carton Weight, [illegible] lbs.

EXTRA SOCKETS

For Mossberg Wrench Sets

Construction—Drawn by Pressure from Cold Rolled Steel, Thereby Retaining the Necessary Long Grain in Structure.

Finish—Mottled and Lacquered.

Height—1¾ inches.

Hexagon Sizes
Each, [illegible] Fitting

	Opening Size Hex. inches	U. S. Standard Nuts and Bolts Bolt Size inches	S.A.E. Standard Screws Screw Size inches	Hex. Head Cap [illegible] Screw Size inches	Each
No. M115	[illegible]	..	¼	¼	....$0 40 [illegible]
No. M117	[illegible]	¼	[illegible]	[illegible]	.... .40 [illegible]
No. M119	[illegible]	..	[illegible]	[illegible]	.... .40 [illegible]
No. M120	[illegible]	[illegible]	..	..	.... .40 [illegible]
No. M121	[illegible]	..	[illegible]	[illegible]	.... .40 [illegible]
No. M123	[illegible]	[illegible]	..	..	.... .40 [illegible]
No. M125	[illegible]	..	½	½	.... .40 [illegible]
No. M127	[illegible]	..	[illegible]	[illegible]	.... .40 [illegible]
No. M129	[illegible]	[illegible]	[illegible]	[illegible]	.... .40 [illegible]
No. M131	[illegible]	..	[illegible]	..	.... .40 [illegible]
No. M133	[illegible]	..	[illegible]	[illegible]	.... .40 [illegible]
No. M135	[illegible]	[illegible]	[illegible]	..	.... .40 [illegible]
No. M137	[illegible]	..	..	[illegible]	.... .40 [illegible]
No. M141	[illegible]	[illegible]	[illegible]	[illegible]	.... .40 [illegible]

Square Sizes
Each, All Sizes Fitting

	Socket Opening Size Square inches	U.S. Standard Nuts and Bolts Bolt Size inches	Square Head Set Screw inches	Square Head Coach Screw inches	Each
No. M163	[illegible]	..	[illegible]	[illegible]	....$0.40 [illegible]
No. M165	[illegible]	..	[illegible]	..	.... .40 [illegible]
No. M167	[illegible]	[illegible]	[illegible]	[illegible]	.... .40 [illegible]
No. M169	[illegible]	..	[illegible]	[illegible]	.... .40 [illegible]
No. M171	[illegible]	[illegible]	[illegible]	..	.... .40 [illegible]
No. M173	[illegible]	[illegible]	..	[illegible]	.... .40 [illegible]
No. M175	[illegible]	.	[illegible]	[illegible]	.... .40 [illegible]
No. M179	[illegible]	[illegible]	[illegible]	[illegible]	.... .40 [illegible]

FORD CAR WRENCHES
MOSSBERG

Main Bearing Bolt Wrench. Made For One Particular Job of One Piece of Heavy Forged Steel to do that Job. The Adjustments of Main Bearing Bolts. Opening: 9/16 inch Square.

Each

No. M622—Length Over All 10¼ inches, Satin Nickel Finish. ..... $1 35 .90

Six in a Carton; Weight 9 lbs.

Drive Shaft Castle Nut Wrench. Made of [illegible] Extra Heavy Steel Bar, Socket Dome Top with Short Clearance.

Opening: 15/16 inch Hex.

Fits:

Crank Case Drain Cup Plug.
Differential Housing Oil Plug
Drive Shaft Castle Nut.
Front Spring Perch Nut.
Rear Hub Lock Nut.

Each

No. M632—Length Over All 10¼ inches, Satin Nickel Finish. ..... $1.10 .75

Six in a Carton; Weight 7½ lbs.

⅜ inch Cap Screw Wrench; Made of ½ inch Heavy Steel Bar, Socket of Indestructible Type. Opening: 9/16 inch Hex.

Fits:

Ball and Socket Bolt and Nut.
Battery Bracket-to-frame Bolts and Nuts.
Brake and Reverse Support Bolts and Nuts.
Cam Shaft Bearing Set Screws.
Carburetor Flange Nut.
Carburetor Nuts (Holley Model N. H.)
Clutch Lever Screw and Nut.
Clutch Release Fork Clamp Screw.
Commutator Case Support Bolt (1919 and Previous).
Crank Case and Cylinder Cover Cap Screws.
Crank Case Arm Bolts and Nuts (Side and Bottom).
Crank Case Bolts and Nuts.
Cylinder Cover Bolts and Nuts.
Cylinder Front Cover Cap Screws.
Cylinder Front Cover Cap Screw (Starter Type).
Cylinder Valve Cover Nuts.
Engine Base Bolts and Nuts.
Fan Adjusting Screw.
Front Fender Iron Bolt and Nut (Side and Bottom).
Inlet and Exhaust Clamp Stud and Nut.
Magnet Bolts.
Muffler Head-to-frame Bolts and Nuts.
Radiator Stud and Nut.
Radius Rod Ball Cap and Nut.
Steering Post Bracket Bolts and Nuts
Steering Yoke Clamp Bolt and Nut.
Transmission Cover Bolts
Universal Ball Cap Bolts.
Windshield Hinge Bolt Nuts.

Each

No. M625—Satin Nickel Finish. Length Over All 7¼ inches; Crank Case Arm Bolts and Nuts Only. ..... $0 70 .48

One in a Carton; Weight ½ lb.

Cylinder Head Screw and Rear Axle Housing Nut Wrench; Especially Designed for All Cylinder Head Cap Screws (Including Those Hard to Get At Under the Dash) and Rear Axle Housing Bolts and Nuts. Made of ⅜ inch Heavy Steel Bar.

Fits:

1/2 inch Opening

Coil Box Nuts.
Controller Shaft Bracket Bolt and Nut.
Crank Case Lower Cover Cap Screws.
Dash Bracket-to-dash Bolt and Nut
Differential Drive Gear Screw.
Front and Rear Spring Retaining Clip Bolt.
Horn Bolts and Nuts.
Muffler Rod Nut.
Rear Axle Housing Bolts and Nuts.
Running Board Bolts and Nuts.
Steering Tubing Flange Screw and Nut.
Tire Holder Bracket-to-body Bolt and Nut.

5/8 inch Opening

Commutator Case Support Bolt (Starter Type).
Connecting Rod Cap Bolts and Nuts (Except No. 4).
Cylinder Front Cover Cap Screw (Starter Type).
Cylinder Head Cap Screws.
Cylinder Water Inlet and Outlet Connecting Screws.
Demountable Rim Lug Nut.
Drive Shaft Roller Bearing Housing Set Screw (1920 and Previous).
Drive Shaft Roller Bearing Stud and Nut.
Time Gear Cover (Starter Type).

Each

No. M630—Length 9¼ inches; Satin Nickel Finish..... $1.00 .67

Twelve in a Carton; Weight 8¼ lbs.

FORD CAR WRENCHES
MOSSBERG

Double End Utility Wrench

The Two Sizes of Sockets on this Wrench Show the Largest Number of Adjustments Possible of Any Wrench Combinations.
Made of ⅜ inch Heavy Steel Bar. Sockets Round for Clearance.

Fits:

9/16 inch Hex.

Ball and Socket Bolt and Nut.
Battery Bracket-to-frame Bolts and Nuts.
Brake and Reverse Support Bolts and Nuts.
Cam Shaft Bearing Set Screws.
Carburetor Flange Bolt Nut.
Carburetor Nuts (Holley Model N. H.)
Clutch Lever Screw and Nut.
Commutator Case Support Bolt (1919 and Previous).
Crank Case and Cylinder Cover Cap Screws.
Crank Case Arm Bolts and Nuts (Side and Bottom).
Crank Case Bolts and Nuts.
Cylinder Cover Bolts and Nuts.
Cylinder Front Cover Cap Screws.
Cylinder Front Cover Cap Screw (Starter Type)
Cylinder Valve Cover Nuts.
Engine Base Bolts and Nuts.
Fan Adjusting Screw.

9/16 inch Hex.

Front Fender Iron Bolts and Nuts (Side and Bottom).
Inlet and Exhaust Clamp Stud and Nut.
Magnet Bolts.
Muffler Head-to-frame Bolts and Nuts.
Radiator Stud and Nut.
Steering Post Bracket Bolts and Nuts.
Steering Yoke Clamp Bolt and Nut.
Transmission Cover Bolts
Universal Ball Cap Bolts

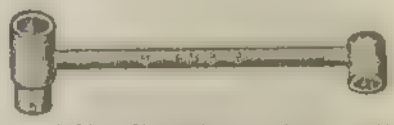
3/4 inch Hex.

Brake Shoe Support Nut.
Crank Shaft Bearing Nuts (Front and Rear)
Fan Bracket Bolt
Front Spring Clip Bolt (1920 and Previous).
Lamp Bracket Nuts.
Radius Rod Bolt and Nut.
Spindle Bolt Nut.
Steering Gear Post Castle Nut.

Each

No. M676A—Length 9⅝ inches; Burnished Nickel Finish. $1 10 .75

Six in a Carton; Weight 7¼ lbs.



Triple End Utility Wrench

A Most Useful Wrench for Some Very Difficult adjustments and is a Supplementary Tool in Larger Sizes for Unusual Work.
Openings: 11/16, ⅞, 15/16 inches Hex.
Made of ⅜ inch Heavy Steel Bar; Sockets Specially Drawn.

Fits:

11/16 inch Hex.

Battery Cable Terminal Nut on Floor Board
Battery Clamp Bolt Nut.
Body Bracket Connecting Bolts and Nuts.
Brake Shoe Support Bolt
Fender Eye Bolt Nut.
Front and Rear Spring Hanger Nut.
Hub Flange Bolt Nuts.
Spindle Body Bolt with Oiler.
Spindle Connecting Rod Bolt Nuts
Spindle Connecting Rod Bolt with Oiler.

7/8 inch Hex.

Front Spring Clip Nut (1921).
Rear Spring Clip Nut.
Spindle Arm Nut.

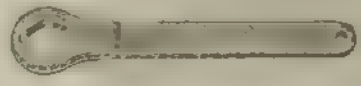
15/16 inch Hex.

Crank Case Drain Cup Plug.
Differential Housing Oil Plug.
Drive Shaft Castle Nut.
Front Spring Perch Nut.
Rear Hub Lock Nut.
Spark Plug (Champion X).

Each

No. M676B—Length 10¾ inches; Burnished Nickel Finish..... $1 80 1 20

Six in a Carton; Weight 9½ lbs



Reverse and Brake Pedal Wrench

Made of Heavy Steel with Properly Hardened Ratchet and Spring
Opening: 11/16 inch.

Each

No. M645—Length 6⅛ inches; Burnished Nickel Finish.. $0.75 .50

Twelve in a Carton; Weight 8½ lbs.

FORD CAR WRENCHES
MOSSBERG

Hub Cap Wrench

Made of Heavy Steel.

Openings: 1⅝, 1⅜ and ½ inches.

		Each
No. M650—Length 8½ inches; Burnished Nickel Finish..	$0 90	.18

Twelve in a Carton; Weight 6 lbs.

Connecting Rod Wrenches

Made of ½ inch Steel Bar; Ratchet Parts Properly Hardened; Socket of Chrome Steel Alloy.

Opening: ⅝ inch Hex.

Fits:

Body Bracket Connecting Bolt.
Commutator Case Support Bolt (Starter Model).
Connecting Rod Cap Screws (all).
Crank Case Front Bearing Screw.
Cylinder Front Cover Screw.
Cylinder Inlet and Outlet Connecting Screws.
Cylinder Head Screws.
Demountable Rim Lug Nut.
Drive Shaft Roller Bearing Housing Set Screw (1920 and Previous).
Drive Shaft Roller Bearing Stud and Nut.
Timing Gear Cover.

		Each
No. M624—Length Over All, 10¼ inches; Satin Nickel Finish..	$3 75	2 50

Six in a Carton; Weight 7 lbs.

Connecting Rod Wrench

Made of ⅛ inch Heavy Steel. Socket of Special Analysis

Opening: ⅝ inch Hex.

Fits:

Body Bracket Connecting Bolt.
Commutator Case Support Bolt (Starter Model).
Connecting Rod Cap Screw (all).
Crank Case Front Bearing Screw.
Cylinder Front Cover Screw
Cylinder Inlet and Outlet Connecting Screws.
Demountable Rim Lug Nut.
Drive Shaft Roller Bearing Housing Set Screw (1920 and Previous).
Drive Shaft Roller Bearing Stud and Nut
Timing Gear Cover

		Each
No. M623—Length Over All, 10¼ inches; Satin Nickel Finish	$0 80	55

Six in a Carton; Weight 5¼ lbs.

Wrist Pin Wrench

Made of ¾ inch Forged Steel, Special Heat Treatment.

Opening: ⅞ inch.

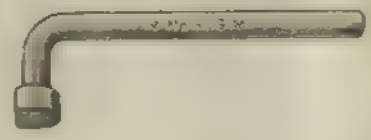
Fits:

Battery Bracket-to-Frame Bolts and Nuts.
Brake and Reverse Support Bolts and Nuts
Cam Shaft Bearing Set Screws.
Carburetor Nuts (Holley Model N, H.)
Clutch Lever Screw and Nut.
Clutch Release Fork Clamp Screw.
Commutator Case Support Bolt (1919 and previous).
Connecting Rod Clamp Screws.
Crank Case and Cylinder Cover Cap Screws
Crank Case Arm Bolts and Nuts, (Side and Top).
Crank Case Bolts and Nuts.
Cylinder Cover Bolts and Nuts.
Cylinder Front Cover Cap Screws.
Cylinder Valve Cover Nuts.
Fan Adjusting Screw
Front Fender Iron Bolts and Nuts (Side and Bottom).
Inlet and Exhaust Clamp Stud and Nut.
Magnet Bolts.
Muffler Head-to-Frame Bolts and Nuts
Radius Rod Ball Cap Stud and Nut.
Steering Post Bracket Bolts and Nuts.
Transmission Cover Bolts.
Universal Ball Cap Bolts.

		Each
No. M638—Length Over All, 11¾ inches; Burnished Nickel Finish	$1 90	1 25

Six in a Carton; Weight 9¼ lbs.

FORD CAR WRENCHES
MOSSBERG



Fly Wheel Cap Screw Wrench

Made of ¾ inch Forged Steel with Heat Treatment to Assure Maximum Strength.

Opening: ½ inch.

Fits:

Fly Wheel Cap Screws.
Battery Cable Terminal Nut on Floor Board.
Battery Clamp Bolt Nut.
Body Bracket Connecting Bolts and Nuts.
Hub Flange Bolt Nuts.

		Each
No. M638—Length Over All, 11¾ inches; Burnished Nickel Finish	$1 90	1.25

Six in a Carton; Weight 10½ lbs.

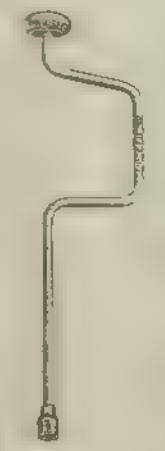
All Steel Speed Brace Socket Wrench; Sockets of Heavy Wall, Properly Tapered for Clearance. Opening ½ inch Hex. or ⅞ inch Cap Screw.

Fits:

Coil Box Nuts.
Controller Shaft Bracket Bolt and Nut.
Crank Case Lower Cover Cap Screws.
Dash Bracket-to-Dash Bolt and Nut.
Differential Drive Gear Screw.
Front and Rear Spring Retaining Clip Bolt.
Horn Bolts and Nuts.
Muffler Rod Nut.
Rear Axle Housing Bolts and Nuts.
Running Board Bolts and Nuts.
Steering Tubing Flange Screw and Nut.
Tire Holder Bracket-to-Body Bolt and Nut.

		Each
No. M613—Length Over All, 13½ inches; Satin Nickel Finish	$1 10	75

Six in a Carton; Weight 9¾ lbs.



All Steel Speed Brace Socket Wrench; Sockets of Heavy Wall, Properly Tapered for Clearance. Opening: ⅝ inch Hex. or ⅞ inch Cap Screw.

Fits:

Commutator Case Support Bolt (Starter Type).
Connecting Rod Cap Bolts and Nuts (Except No. 4).
Cylinder Front Cover Cap Screw (Starter Type).
Cylinder Head Cap Screws.
Cylinder Water Inlet and Outlet Connecting Screws.
Demountable Rim Lug Nut.
Drive Shaft Roller Bearing Stud and Nut.
Drive Shaft Roller Bearing Housing Set Screw (1920 and previous).

		Each
No. M612—Length Over All, 19¾ inches; Satin Nickel Finish	$1 20	.80

Six in a Carton, Weight 11½ lbs.

All Steel Brace Socket Wrench; Sockets of Heavy Wall Properly Tapered for Clearance. Opening: ⅞ inch Hex. or ⅝ inch Cap Screw.

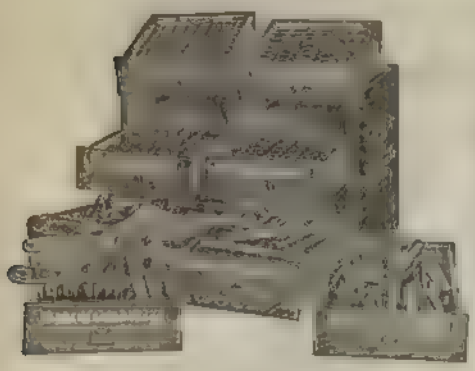
Fits:

Ball and Socket Bolt and Nut.
Battery Bracket-to-Frame Bolts and Nuts.
Cam Shaft Bearing Set Screws.
Crank Case Bolts and Nuts.
Clutch Lever Screw and Nut.
Clutch Release Fork Clamp Screw.
Cylinder Front Cover Cap Screw (Starter Type).
Cylinder Valve Cover Nuts.
Engine Base Bolts and Nuts.
Fan Adjusting Screw.
Front Fender Iron Bolt and Nut (Side and Bottom).
Inlet and Exhaust Clamp Stud and Nut.
Muffler Head-to-Frame Bolts and Nuts.
Radiator Stud and Nut.

		Each
No. M611 Length Over All 19¼ inches, Satin Nickel Finish	$1 20	.80

Six in a Carton; Weight 11 lbs.

SOCKET WRENCHES
MOSSBERG



An Assortment of Sockets and Handles Most Popular Year's Record of Sales, and the Quantity of Each Unit is in Different Proportions to its Demand; Empty Kits are Included for Containers of Special Sets Made Up From This Stock.

Chest is a Beautifully Finished Store Fixture, Made of Selected Chestnut, with Eight Drawers; Size 17 inches Long, 24 inches Wide, 16½ inches Deep.

CONTENTS

300—Pressed Steel Sockets, Assorted Sizes.
21—Pressed Steel Spark Plug Sockets, Assorted Sizes.
4—No. 360 Reverse Ratchet Socket Handles.
4—No. 355 Ratchet Handles.
4—No. 320 Double End Offset and Vertical Handles.
4—No. 340 Take-Down T Handles.
4—No. 330 Universal Joints.
4—No. 351 Extension Tubes.
5—Canvas Rolls.
Circulars for Advertising Purposes.

Per Set

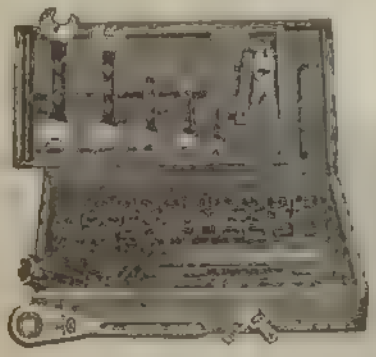
No. M300—Complete, with Full Assortment, All Rust Proof Black Finish, and Chest; Weight per Set, 139 lbs **$148.50** 99.00
One Set in a Wooden Case

AUTO CLE LARGE SIZE

The Large Auto Cle Set Consists of the Following: 1 Take Down Reversible Ratchet Handle, Nickel Plated; 1 Swivel or Universal Joint; 1 Extension Bar; 1 9½ inch Extension Bar; 1 13¾ inch Extension Bar; 1 Offset Screw Driver.

Per Set

No. LAC—In a Wooden Case with 31 Sizes of Pressed Steel Sockets; Weight per Set, 9 lbs..... **$17.50** 11.50
One Set in a Wooden Case



This is the Latest and Most Complete Socket Wrench Set on the Market.

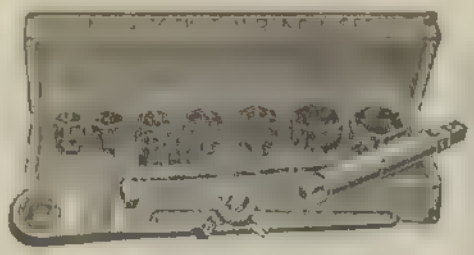
Handles for Every Kind of Difficult Approach. Sockets to Fit Every Possible Size Between ⅛ and 1⅛.

The Set Consists of: 1 Ratchet Wrench No. 350; 1 No. 330 Take-Down Handle; 1 No. 320 Offset Socket Wrench; 1 Extension Bar No. 351, 1 [illegible] Plier, U. S. A. [illegible] Set Double End Wrenches, 1 [illegible] Universal Joint, 3 Special Spark Sockets, Sizes [illegible] inch, 1 Double End Offset Screw Driver, Ten Pressed Extra Deep 23 Sizes, Pressed Steel HEX Sockets; 11 Sizes, Pressed Steel Square Sockets.

Per Set

No. M16—In a Wooden Case with 37 Sizes of Pressed Steel Sockets; Weight per Set, 17½ lbs **$23.50** 15.00
One Set in a Wooden Case

SOCKET WRENCHES
MOSSBERG



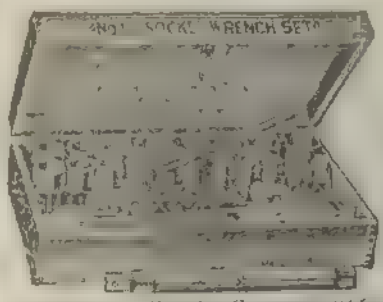
Almost Invaluable for Motor Truck and All Heavy Work. All Tools Rust Proof Black Finish.

CONTENTS

1 Reversible Ratchet Handle, 18 inches Long.
1 Offset Handle, 15 inches Long.
1 Extension Tube, 10 inches Long.
1 Universal Joint.
1 Connection Bushing (For Use with Small Series Sockets.)
9 Heavy Duty Pressed Steel, Hexagon Sockets.

Per Set

No. M18—Weight per Set, 20¼ lbs **$28.50** 19.00
One Set in a Wooden Case

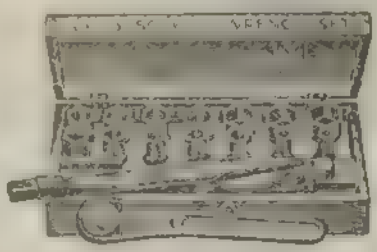


The Set has the Special Quick Action Mossberg Handle and is a Very Efficient Set for Garage or Individual Equipment.

Mossberg Ratchet Handle No. 350; 1 Extension Bar; 1 Universal Joint; 1 Double-End Offset Screw Driver; 19 Properly Hardened, Pressed Steel Sockets; 2 Special Hexagon Spark Plug Sockets; 4 inch Long; 29-32 inch 1⅛ inch Opening Fitting Standard Spark Plugs.

Per Set

No. M10—In a Wooden Case with 21 Sizes of Pressed Steel Sockets; Weight per Set, 7¾ lbs **$12.40** 8.25
One Set in a Wooden Case



For Hexagon Nuts Only; Contains All the Important Hexagon Sockets, Including Spark Plug Sockets, Extension Bar and the No. 355 Mossberg Ratchet Handle; 15 Rust Proof Black Finish, Thoroughly Hardened, Pressed Steel Sockets.

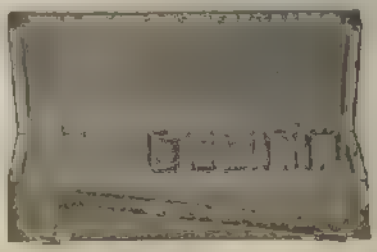
Per Set

No. M13—Weight per Set, 5 lbs **$8.00** 5.30
One Set in a Wooden Case

Made Exclusively for Ford Cars and Completely Covers All Adjustments that are to be Found on These Machines, Set Contains: Mossberg No. 355 Ratchet Socket Wrench; Tubular Extension Tube; Universal Joint; Double End Offset Screw Driver, Ten Pressed Steel Sockets, Fitting Standard Size of Screws, Nuts and Bolts.

Per Set

No. M30—Weight per Set, 4¾ lbs..... **$7.90** 5.25
One Set in a Wooden Case



FIVE SOCKET SET

Five Sizes of Sockets that Fit Nuts Which Need Most Adjustment on Ford Cars, Complete with Quick Action Double End Handle; Recommended for a Compact Set for General Use. Finish: Burnished Nickel.

Per Set

No. M33K—Weight per Set, 2¼ lbs..... **$2.10** 1.35
One Set in a Wooden Case

TOOL KITS

KENNEDY

Shaped Like Leather Bag; Made Throughout of Prepared Steel, but are no Heavier than Ordinary Grips or Tool Kits. Solid Brass Corners; Side Catches; Yale Notch Lock; Genuine Leather-Covered Handles, with Steel Core; Light Weight Steel Trays, 1¾ inches Deep, Divided into Small Partitions; Finished with Three Coats of Baked Enamel.

	Each
No. 116—Brown Enamel Finish; Size, 16x9x11 inches; Weight 6¾ lbs.	$9 00
No. 118—Brown Enamel Finish; Size, 18x11x13 inches; Weight 7 lbs.	9 50
No. 122—Brown Enamel Finish; Size 22x11x13 inches; Weight 15 lbs.	10.50

Six in a Carton

KENNEDY

This Style has a Divided Spacing at One End for Blow Torch and Ledge Rests at Top of Grip for Tray to Carry Drills, Bits, Small Parts, etc., if Desired

They Have Ample Space at Bottom for Heavy Tools, Material, etc. In Addition to Leather Handle, they are Fitted with Loops at Each end for Straps to Pass Under the Case and Over the Shoulder for Carrying Heavy Loads. Tray Fits Flush on Top.

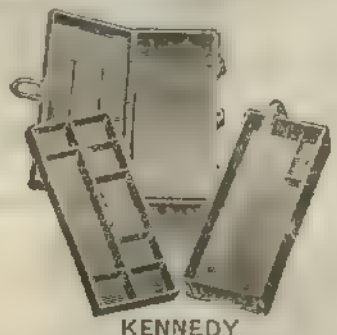
BROWN ENAMEL FINISH

	Each
No. 319—Size 19x8x9 inches, Weight 10 lbs	$9 00
No. 321—Size 21x9x11 inches, Weight 11 lbs	9 50

Six in a Carton

No. 324—Size 24½x6x9 inches; Weight 22 lbs.	$10.50

One in a Crate



KENNEDY

COMBINATION CASE

Brown Enamel Finish

This Style has Two Trays, One to Carry Drills, Bits, Small Parts, etc., and one for Brace, Hammer Hatchet or Such Tools as Needed on Special Jobs Has Handle to Carry Tray Only while Working on Small Jobs and where it is inconvenient to Carry the Entire Kit.

	Each
No. 716—Size 16x7x9 inches; Weight 7 lbs.	$11.00

One in a Carton

TOOL KITS

Made of Pressed Steel, Accurately Assembled; One of the Most Serviceable Tool Boxes Manufactured; Finished in Two Coats of Black Enamel. Complete, with Partitioned Wood Tray.

	Each
No. P22K—22 inches Long, 9 inches Wide, 6¾ inches Deep, Weight 12 lbs.	$5 50

One in a Carton

MACHINISTS CASES

KENNEDY

The Material and Construction of This Case is such that it will not Swell, Warp, Crack, Split, or go to Pieces. Re-enforced at all points of Strain. Drawers run on Seperate Tracking, are Rigid and Slide Easily into Place. Front, Drops and Slides Under Lower Drawer when open. Fastens at Bottom and Securely Locks to Upper Lid when Closed. Electric Welding and Inner Corrugation in Lid Prevents Changing Shape or Buckling. Extra Till Under Lid and all Drawers Lined with Best Quality Felt and Fitted with Solid Brass Pulls.

	Each
No. 515—Weight 17 Lbs.	$27.00

One in a Carton

INSIDE DIMENSIONS

Till under Lid	15⅜x6¾x2⅜ Inches
Large Deep Drawer	14⅜x6½x2¾ Inches
Large Shallow Drawer	14⅜x6½x1¾ Inches
Short Deep Drawer	6⅞x6½x1⅞ Inches
Short Shallow Drawer	6⅞x6½x ¾ Inches

15⅜ inches Long x 7 inches Wide x 12½ inches High

	Each
No. 518—Weight 20 Lbs	$28 00

INSIDE DIMENSIONS

Till under Lid	17⅜x7¾x2⅜ Inches
Long Deep Drawer	17⅜x7½x2¾ Inches
Long Shallow Drawer	17⅜x7½x1¾ Inches
Short Deep Drawer	8⅛x7½x1⅞ Inches
Short Shallow Drawer	8⅛x7½x ¾ Inches

18 inches Long x 8 inches Wide x 12½ inches High

SPOKES AND NIPPLES

MOTORCYCLE

DIAMOND-E

Very Fine Grade of Wire. Nickel Plated and Polished Swaged, Headed, Bent and Threaded. Complete with Nipples

Per Hundred

No. DEM—120/100 Gauge—$\frac{1}{4}$-inch Nipples. $11\frac{1}{4}$ inches long..... **$7.50** --- ---

One hundred in a box. Weight, per box, about $3\frac{3}{4}$ pounds.

HANDLE BAR GRIPS

REGULAR

FOR MOTORCYCLE

These Grips Have a Woven Steel Reinforcement in the Center or Relief Part of Grip, which Strengthens the Grip at its Weakest Point. This Woven Steel Reinforcement is Pliable, and Does Not Take Away from the Grip Any of its Resiliency. Grips Have an Extra Heavy Lining of Fabric Throughout, and the End of the Grip is Heavily Reinforced with Fabric, thus Preventing Breakage at this Point.

Per Pair

No. 100—$7\frac{1}{2}$ inches long..... **$1.25** -- --

One pair in a box.

PEDAL AXLES

EMERGENCY

FOR MOTORCYCLE

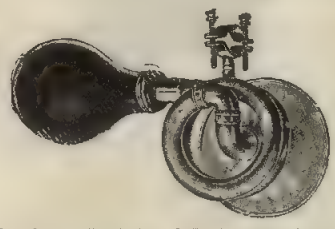
Made of Hardened Steel. Can be Used on Either Side, as they Have Both Right and Left Threads. Knurled Bar, which Insures a Firm Foothold. Diameter, $\frac{5}{16}$ inch. Length over all, $5\frac{1}{2}$ inches.

Per Dozen

No. 1—Nickel Plated..... **$5.00** --- ---

Loose. Weight, per dozen, about 4 pounds.

MOTORCYCLE AND AUTOMOBILE HORNS



Made of Heavy Spun Brass. Length over all, 6 inches Bell, $3\frac{1}{2}$ inches in diameter. Best Quality Rubber Bulb.

Each

No. 1—Nickel Plated..... **$3.75** --- ---

One in a box Weight, per dozen, about 9 pounds

Bell, size $3\frac{5}{16}$ inches. Very Compact. Made of Heavy Spun Brass. Length over all, $8\frac{1}{4}$ inches. Best Quality Rubber Bulb, $8\frac{1}{4}$ inches.

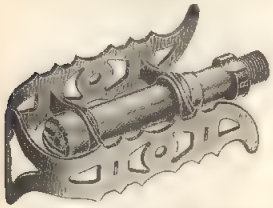
Each

No. 8—Nickel Plated..... **$2.50** --- ---

One in a box. Weight, per dozen, about 6 pounds.

BICYCLE PEDALS

PIRATE



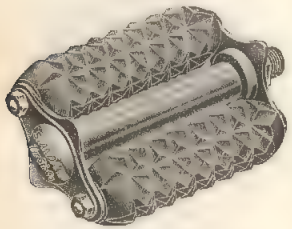
Nickel plated steel frame. Top of sides corrugated. Hardened steel pin. Ball bearings at both ends. Slotted dustproof caps. Hardened cones and cups. ⅛-inch pin. Right and left hand.

No.	Thread	Wt per pair	Per pair
201	20	15 ozs.	$1.40

One pair in a carton.

MOTORCYCLE PEDALS

STANDARD

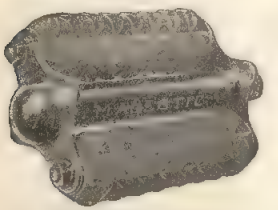


With heavy rubber

No.	Thread	Wt per pair	Per pair
3	20	2⅜ lbs	$2 20

One pair in a carton

MAJESTIC

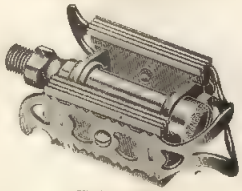


A wide tread pedal, combining comfort, utility and reliability. Drop forged pins. Ball cups turned from bar steel. Gray rubber. For either bicycle or motorcycle.

No.	Thread	Wt per pair	Per pair
5	20	21 lbs	$1.90

One pair in a carton.

LADIES COMBINATION



With rubbers.

No.	Thread	Wt per pair	Per pair
200	.30	1 lb	$1.80

One pair in a carton.

MOTORCYCLE PEDAL RUBBERS

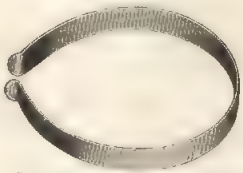
Best grade rubber compound. Extra heavy.

	Wt. per pair	Per pair
Extra Heavy Rubbers	¼ lb	$0.26

Five pair in a carton

TROUSER GUARDS

PERFECTION



Tempered spring steel. Wide pattern

Japanned

No.	Wt. per doz. pair	Per doz. pair
IJ	¾ lb	$0.90

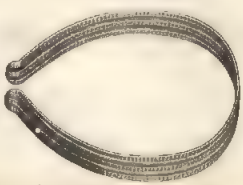
Three dozen pair in a box.

Nickel Plated

No.	Wt. per doz. pair	Per doz. pair
INP	¾ lb	1 20

Three dozen pair in a box.

CORRUGATED



Tempered steel spring. Japanned. Will not slip

No.	Wt. per doz. pair	Per doz. pair
IC	¾ lb	$0.90

Three dozen pair in a box.

OAR LOCKS

Socket, malleable iron.

PLAIN

Nos.	11	11½
Opening, in.	2	2½
Center, in.	2½	3
W't per doz. prs., lbs.	17	19
Per dozen pairs	$4.70	5.40

GALVANIZED

Nos.	0	1	1½
Opening, in.	1½	2	2½
Center, in.	2½	2½	3
W't, doz. prs., lbs.	12	17	19
Per dozen pairs	$4.50	5.60	6.60

No. 7.

No. 8.

Galvanized, malleable iron.

No. 7—North River, with plate and pin, 2 in. opening, w't per doz. prs. 17 lbs. .....per dozen pairs $5.90

No. 8—Round socket, with plate, 2½ in. hole, w't per doz. prs. 17 lbs., per dozen pairs $6 30

Malleable Iron.

No. 21—Moline, plain, with side plate, 1½ in. opening, 2½ in. center, w't per doz. prs. 30 lbs., per dozen pairs $7.40

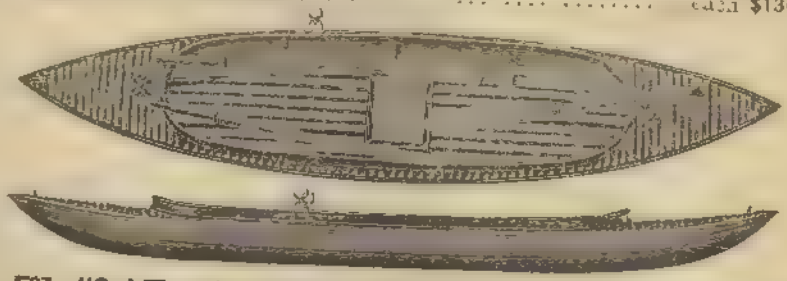
GALVANIZED

No. 22—Moline, side plate with North River horn and pin, 2 in. opening, w't per doz. prs. 27 lbs., per dozen pairs $8.70

MULLIN'S STEEL BOATS

Finished in aluminum outside, light blue inside, natural wood trimmings large air chambers under decks like a life boat.

No. F316—"Sultan," length 16 ft., beam 50 in., height bow 25 in., stern 23½ in., amidships 15 in., w't about 225 lbs., crated 260 lbs., with one pair 7½ ft. straight notched ash oars★ . . . . . each $134 70



No. F27—"Get There" length 14 ft., beam 46 in., 12 in. high to top of coaming at ends, 10 in. high amidships, cock pit 9 ft. long, 30 in. wide regular fittings and air chambers on sides, w't each 120 lbs., packed for shipment 140 lbs. each★ $90.00

PLAIN OARS

White ash, selected straight grain, reinforced blade.

TT55—Full bundle five pairs.

Length, ft.	6	6½	7	7½	8
Per pair	$3.35	3.65	3 90	4 20	4 50

No. T55—Less than bundle.

Length, ft.	6	6½	7	7½	8
Per pair	$3.35	3.65	3 90	4.20	4.50

COPPER TIPPED OARS

WHITE ASH, SELECTED STRAIGHT GRAIN, REINFORCED BLADE

No. TT75—Full bundle five pairs.

Length, ft.	6	6½	7	7½	8
Per pair	$3 85	4.15	4 50	4 80	5 10

No. T75—Less than bundle.

Length, ft.	6	6½	7	7½	8
Per pair	$3 85	4 15	4 50	4.80	5.10

SPRUCE, SELECTED STOCK, STRAIGHT BLADE

No. TT89—Full bundle five pairs.

Length, ft.	6½	7	7½
Per pair	$5.45	5.90	8.70

No. T89—Less than bundle.

Length, ft.	6½	7	7½
Per pair	$5.45	5.90	8.70

AVERAGE WEIGHT PER PAIR 6 LBS.

CANOE PADDLES

Spruce, plain tip, selected material, finished in oil.

No. T80—Length, ft. . . . 5 5½

Per dozen $37 50 37 50

AVERAGE WEIGHT PER DOZEN 18 LBS.

Northern fir, plain tip, finished in oil.

No. T81—Length, ft. . . 5 5½

Per dozen $26 50 26 50

AVERAGE WEIGHT PER DOZEN 27 LBS.

★ **Items Marked Thus ★ Are Shipped From Factory Only.**

WATER WINGS

Easily adjusted; a good pocket life preserver, great sport in the water. Can be brought instantly into use, with them any one can swim or float. Supports from 50 to 250 pounds. Weighs three ounces and takes no more than a pocket handkerchief. A great help for those who wish to learn to swim, and fun for all competent swimmers. 15,000,000 people have learned how to swim with these wings.

No. 1—Ayvad's plain, per dozen $7 00

No. 2—Ayvad's, variegated colors, better quality and finer than No 1 ..... per dozen $9 00

BATHING CAPS

FOR MEN

Cap fits well down over back of head—completely covers ears, fits snugly and remains so until removed. Reinforced by strip around opening. 1 in. wide, 1/64 in. thick.

No. 8—Made of pure gum stock, size 8⅝ in. across opening, 10¾ in. at extreme width, 8¼ in. full depth, per dozen $8.00

TEN IN A BOX

FOR WOMEN

Attractive and snappy head dress for women, durable and practical, wide chin band keeps cap strictly in place. Reinforced by strip around opening. 1 in. wide, 1/64 in. thick.

No. 9—Made of pure gum stock, size when laid flat measures 9 in. across opening, 9½ in. at extreme width, 9 in. full depth, chin strap 1 in. wide, 8 in. long, adjustable, two holes in each end, two bone buttons, per dozen $12.00

ONE DOZEN IN A BOX

STEEL ROW BOATS

Flat bottom boat, designed for fishing, cottagers and summer resorts. Note the long lines and deep body. Rides high, handles easy, roomy.

EQUIPMENT

One pair copper tipped oars painted or varnished, false bottom of light cedar, anchor pulleys and wood rail inside boat, furnished with each boat.

Made of 20 gauge galvanized sheet steel. Wood seats over the air chambers, seams are double locked, can't leak, large air chambers in boat give the maximum of safety.

OUT BOARD MOTOR

Each boat fitted for attaching an out board motor. Stern of boat is especially reinforced for this purpose. The design of the boat makes its use with an out board motor very satisfactory.

Boats are painted battleship gray and trimmed in green.

Nos.	F12	F13	F14	F15	F16	F17
Length, ft.	12	13	14	15	16	17
Depth, in.	15	15	15	15	15	15
Width, beam, in.	44	45	46	46	47	48
Width, stern, in.	24	25	25	26	27	28
No. of seats	3	3	3	4	4	4
Shipping w't each, lbs.	180	185	195	220	240	260
Each	$75.00★	75 00★	78 80★	81.00★	86 30★	91.60★

LIVE BOXES AND FISH WELLS

One of the most convenient accessories for a fisherman is a live box in a boat. This is placed under one of the seats, can be divided into two compartments where desired, one for live bait and one for fish. Holes in the bottom of the boat are so arranged that the motion of the boat causes a continuous flow of fresh water in the boxes. No dead minnows, fish always fresh when you reach your cottage ..... each $15.50

GUARANTEE

All of these boats are guaranteed both as to material and workmanship. Any defects will cheerfully be made right.

★ Items Marked Thus ★ Are Shipped from Factory Only.

CANOE GLUE

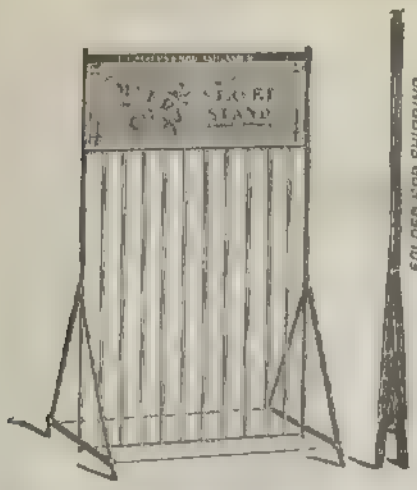
Its particular properties are those of flexibility and durability, clean and insoluble in water.

Invaluable for quick repairs on either canvas or cedar canoes.

Any puncture or leak in boat or canoe can be repaired in five minutes.

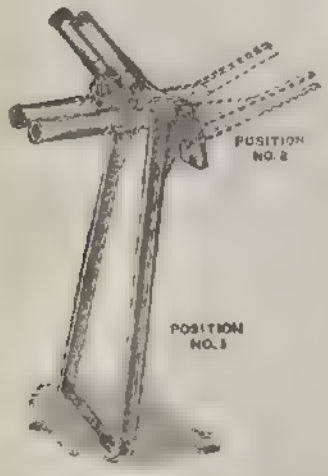
No. 1G—Jeffery's, special marine canoe, guaranteed to be waterproof, in friction top cans, w't per doz. cans 8 lbs. 15 oz. .....per dozen cans $6.00

BICYCLE STANDS



Galvanized Steel Sidewalk Racks. Floor Space Required, 20x22 inches; Blank Space for Dealer's Sign, 7½x21 inches; Accommodates Eleven Wheels.

	Each
✣No. 10—Weight Each, 10 lbs. Loose	$9 50



Position No. 1—Shows Stand as it May be Locked When in Use.

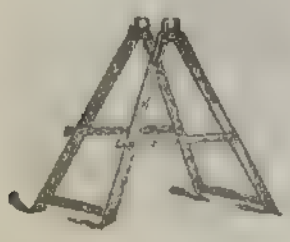
Position No. 2—Shows Stand as it May be Locked When Suspended or Out of Use.

CLIMAX

Supports the Bicycle Without Any Forward Braces to Come in Contact With the Chain or the Enameled Portion of the Frame. Cannot Mar the Enamel; Swings on Rivets Immediately in Rear of the Axle, the Main Supporting Legs Swinging Directly Under the Axle and Thus Supporting the Axle in its Elevated Position Allowing the Wheel to Run Full; it Requires No Exchange of Axle Nuts, Obviating the Inconvenience of Matching Thread for the Various Axles of Coaster Brakes, so the Purchaser Can be Assured in Advance it Will Fit to Any Bicycle Made Without Extras of Any Sort.

Made of Drop Forged Channel Steel; Black Japanned; Height, 15 inches; Width of Bottom, 9 inches; Complete, with Bolts and Nuts.

	Per Dozen
No. 16—Weight Each, 1¾ lbs.	$6 70
No. 16J—For 26 inch Juvenile Bicycles; Weight, 1½ lbs. Loose	5.50



MEYERS

Galvanized Steel Stands, Thoroughly Well Made from Stock ⅛ inch Thick and ¾ inch Wide; Adjustable by Means of Notched Bar, Reaching from One Frame to the Opposite One, from 12 to 15 inches. Stands 16 inches High; Measurement at Top, 4½ inches; at Bottom, 11 inches; Can be Used With Any Size or Style of Bicycle.

	Per Dozen
No. 11—Weight Each, 7 lbs. Loose	$39 80

MOTORCYCLE WATCHES

NEBO

Fasten to Handle Bars of Motorcycle or Bicycle.

Polished Solid Brass Case, Holding a Complete Watch; 1 Day Time; Stem Wind and Set; 1½ inch Dial; Height, 2¾ inches; Width 2⅝ inches.

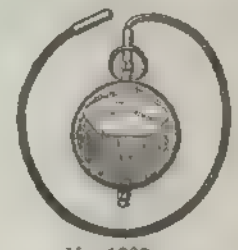
	Each
No. NB—Weight Each, ¾ lb. One in a Box	$5 00

FIAT

Polished Solid Brass Case, Holding a Complete One Day Movement Watch; Stem Wind and Set; 1½ inch White Dial, Size of Case 2⅛ inches in Diameter.

	Each
No. FB—Weight Each, 8 ozs. One in a Box	$8.00

BATTERY TESTERS



No. 1002

No. 1003

For Gauging the Strength of a Cell or Battery. When Connected in Series One Dead Cell Will Kill the Circuit. The Ammeter Detects the Inactive Cell.

The Readings are Controlled by a Fine Phosphor Bronze Spring, Which is Very Accurate; Indispensable to Merchants in Enabling Them to Test Shipments to Protect Themselves Against Exhausted Batteries.

Nickel Plated Brass Case; White Dial; Glass Face; 2 inch Diameter; 12 inch Braided Cord.

For Testing the Amperage	Each
No. 1002—0 to 30 Amperes	$1 50
For Testing Amperage and Voltage	
No. 1003—0 to 30 Amperes; 0 to 8 Volts. One in a Box; Weight 3 ozs.	1.80

MOTORCYCLE TIRE CHAINS

WEED

Size Tire, inches	28x3
Weight Each, lbs.	3½
Each	$3 80

One in a Box

Items Marked ✣ Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory, Utica, N. Y.

BOYS STEEL WAGONS

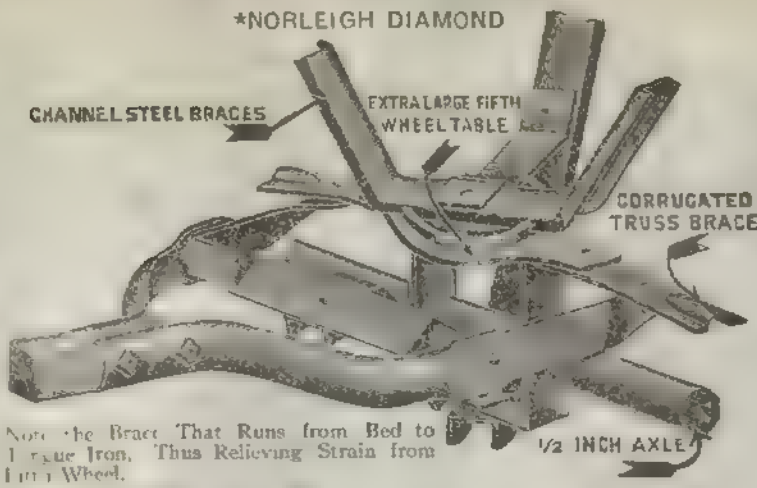
*NORLEIGH DIAMOND

TRADE MARK REGISTERED IN THE U. S. PATENT OFFICE

Illustration Shows Norleigh Diamond Fifth Wheel and Gear, Which is the Strongest and Most Practical.

It is Different From All Others. Made From Extra Heavy 10 Gauge Channel Steel. Others Use Light 12 or 14 Gauge Steel.

We Use ⅝ inch Steel Axles. Ordinary Wagons Have ½ inch.



Note the Brace That Runs from Bed to Tongue Iron, Thus Relieving Strain from Fifth Wheel.

TRADE MARK REGISTERED IN THE U. S. PATENT OFFICE

The Top Part of the Fifth Wheel is Turned or Welded (Not Riveted, Y[illegible] and the Lower Part.

Has Three Reinforcing Channel Steel Braces; One Runs From Bed to Extreme Bottom Part of Fifth Wheel, One From Top of Fifth Wheel to Rear Brace, and the Other From Bottom of Fifth Wheel to Handle Iron.

This Construction Makes it Possible for the Norleigh Diamond Fifth Wheel and Gear to Support a Weight of More Than 200 pounds While Others Crush Down Under 100 pounds.

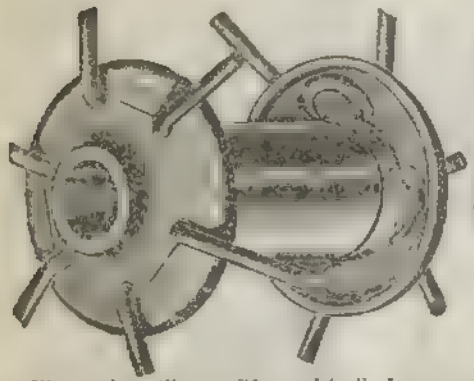


Illustration Shows "New Idea" Large Barrel Anti-Friction Outer Bearing Hub, Used on Norleigh Diamond Wagons.

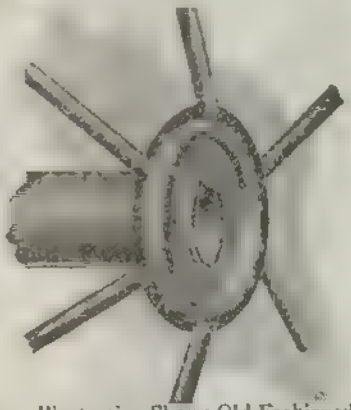


Illustration Shows Old-Fashioned Small Spindle Hub Used on All Other [illegible] Wagons.

Illustration Shows Width and Thickness of Norleigh Diamond Tires.

Illustration Shows Tires Used on Other Wagons

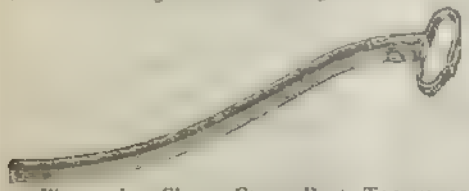


Illustration Shows Steam-Bent Tongue as Used on All Norleigh Diamond Wagons. These Tongues Will Always Stand Back Against Bed of Wagon and Will Not Fall Down to be Tripped Over, Stands Back Far Enough to Enable Child to Sit in Rear of Wagon and Steer With Tongue While Coasting.

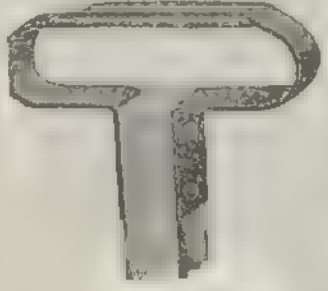


Illustration Shows Tongue and "New Idea" Steel Loop Used on Norleigh Diamond Wagons.

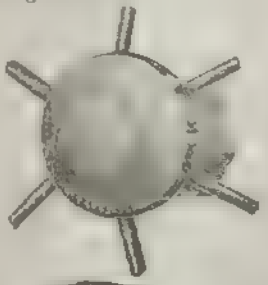


Illustration Shows Hub Cap Furnished on Norleigh Diamond Wagons.

Illustration Shows Common Iron Axle Nut Furnished on Other Wagons.

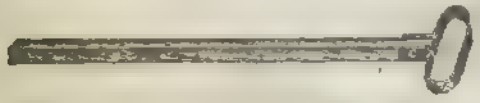


Illustration Shows Straight Tongue Used on Ordinary Wagons. Will Seldom Stand Back Against Bed of Wagon; a Source of Danger to Children Tripping Over the Tongue When Down on the Ground.

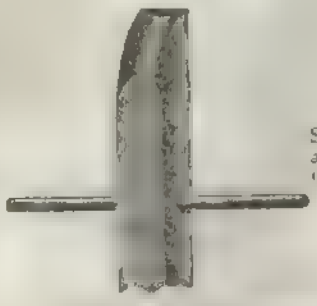
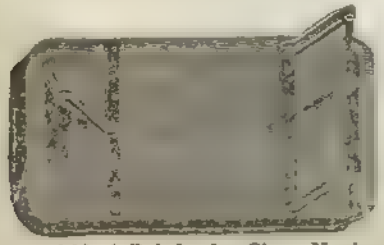
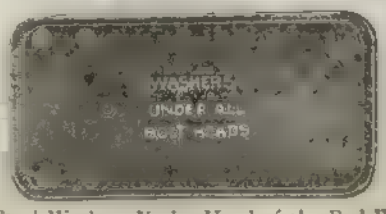


Illustration Shows Tongue and Pin Used on Other Wagons.

Illustration Shows Lock Washer Used on Norleigh Diamond Wagons.



Four 1½ inch Reinforcing Cleats Used on All of the Six Largest Sizes of Norleigh Diamond Wagons.



Steel Washers Under Head of the Bed Bolts Prevent the Bolts From Being Forced Through the Bed Bottom.

Norleigh Diamond "New Idea" Packing Steel Tired Wagons. Sixth Dozen in Fiber Carton, All Carefully Wrapped in Extra Heavy Paper to Preserve Enamel. Cartons are Made of Heavy Fiber and Thoroughly Protect Wagons in Transit.

NOTE: Hohner publicity in national publications will reach ten million readers a month during March, April and May

Let the "Jolly Pals" Tune Up Your Sales

$3.30 PROFIT

At Each and Every Performance

PROGRAM

Time: Any Day
Place: Any Hohner Dealer's

Cast of Characters in the Order of Their Appearance

First Hohner Purchaser (7:30 a.m.) A Boy
Second Hohner Purchaser (7:50 a.m.) A Man
Third Hohner Purchaser (8:01 a.m.) A Musician
Fourth Hohner Purchaser (8.09 a.m.) A Banker
Fifth Hohner Purchaser (8.14 a.m.) Another Boy
Sixth Hohner Purchaser (8.22 a.m.) A Glee Club Member

—and so on during every hour of the day

Here's a musical act that draws real crowds and starts profits humming. Just give the Jolly Pals outfit a place in the sun and watch your customers Stop, Look and Listen! All Hohner outfits are **safe** investments from the profit standpoint—but "Jolly Pals" is the liveliest we have ever sent out. Have you noticed the **wave** of popularity on Hohner Harmonicas? Do you know that harmonica music is the most popular radio number and the biggest hit of the season in New York Motion Picture Palaces? Capitalize this popularity. Let Jolly Pals meet the Hohner Harmonica demand in *your* store.

DESCRIPTION "JOLLY PALS" ASSORTMENT

Description—No. 200—"Jolly Pals" Hohner Harmonica Assortment. A beautifully lithographed display in four colors picturing six Jolly American boys in action with Hohner Harmonicas. The display is made up of heavy cardboard in a three-panel design, and measures 18⅜ inches in height and 24⅜ inches in width. The Assortment consists of twelve different styles genuine Hohner Harmonicas, all cracker-jack sellers, in various keys, retailing at from 50c. to $2.00 each, making a total retail value of $9.05. Price, complete, $5.75.

Every Wesley Barry Picture Boosts Your Sales

Wesley Barry, the Warner Bros. star, is known to be a Hohner Harmonica fan. Our ads in boys' papers will soon feature him. Consequently, when any of Wesley Barry's films reach your town, harmonica sales will jump. Have the Jolly Pals on hand to take care of the demand.

Ask Your Jobber

M. HOHNER

114-116 East 16th Street **New York City**

Hohner Products Awarded First Prize at the Panama-Pacific International Exposition, San Francisco, 1915

Eveready Doubles Space and Money

This is what The National Carbon Company told their dealers:

"NOW comes still another big addition to Eveready advertising. In 1923 Eveready will double the money spent and the space used in 1922 in the 12 magazines of the All-Fiction Field, using a color schedule as heretofore.

"Last year's advertising brought Eveready dealers everywhere a record business in Flashlights, with a tremendous volume of repeat orders for Batteries. Figure for yourself what this big new addition to Eveready advertising should mean to *your* sales.

"Full-page advertisements in color appearing every month in the 12 most popular fiction magazines in the country. Nine million readers. The best market in the United States."

Over 2,000,000 Circulation for $2700 a Page

All-Fiction Field

The Field of Greatest Yield

"NEW CONGRESSIONAL" "Homer Laughlin" trademarked.

Light wt. white semi-porcelain, lustrous "Rose" shape, with 18k. gold border half coin gold handles, base of upright pieces coin gold traced. Open stock, sold in any quantity. No Package Charge.

DINNER SETS

£13890—42 piece set.
Shipping wt. about 40 lbs. SET. **$10.15**

£13896—50 piece set.
Shipping wt. about 50 lbs. SET. **$14.10**

£13893—100 piece set.
Shipping wt. about 90 lbs. SET. **$29.25**

For composition of sets see bottom of page.

OPEN STOCK

CUPS AND SAUCERS—
£13908 Tea [illegible] in., saucer 6¼ ..... Doz. **$4.50**
£13898—Oxide tea 3½x2¾, saucer 5½ ..... Doz. **$4.50**
£13896—Coffee 3½x2¾, saucer 5½ ..... Doz. **$5.40**

PLATES—
£13810—6 in., act. 6 ..... Doz. **$2.05**
£13811—7 " " 7 ..... " **2.40**
£13812—8 " " 8 ..... " **2.95**
£13813 " " 9 ..... " **3.60**
£13824—8 " " 9¼ ..... " **4.50**
£13847—Coupe soup, 7 in., act. 8½ ..... Doz **$3.60**

BAKER
£13824—7 in. act. 8¼ ..... Doz **$6.25**

BOWL—
£13831—30's ..... Doz. **$5.25**

PLATTERS—
£13843—8 in., act. 11½ ..... Doz. **$ 5.75**
£13845—10 " " 13½ ..... " **9.50**
£13847—12 " " 15½ ..... " **16.75**

SALAD—
£13852—7 in., act. 8½ ..... Doz. **$6.25**

FRUIT—
£13860—4 in., act. 5½ ..... Doz **$1.60**

OATMEAL—
£13805—30's ..... Doz. **$3.25**

CREAMER
£13826—30's ..... Doz. **$6.25**

COVERED SUGAR—
£13827—30's ..... Doz. **$13.50**

COVERED BUTTER—
£13878—7½ ..... Doz. **$15.95**

INDIVIDUAL BUTTER—
£13879—3½ in. ..... Doz **$1.05**

COVERED DISH Oval
£13880—7 in. ..... Doz. **$21.95**

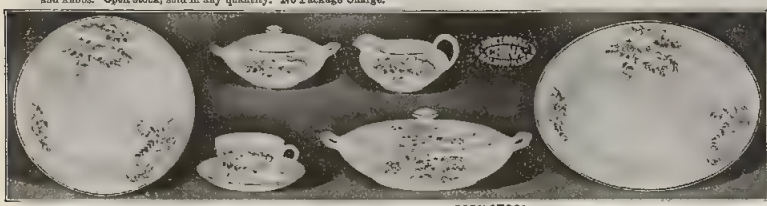
CASSEROLE Round
£13883—7 in., act. 8½ ..... Doz. **$25.00**

SAUCE BOAT—Attached stand
£13884 6¾x3¾ in. ..... Doz. **$13.95**

PICKLE DISH
£13886 8½x3½ in. ..... Doz **$6.25**

"GENOA" National china trademarked.

High grade light wt. white semi-porcelain, richly tinted blue, pink and green with [illegible] color flying birds, wide gold edges and ornaments, fancy handles and knobs. Open stock, sold in any quantity. No Package Charge.



OPEN STOCK

CUPS AND SAUCERS—
£23400—Tea 3½x2 in., saucer 5 ..... Doz.
£23405—Coffee, 3½x2¼ in., saucer 5½ ..... Doz.

PLATES
£23410 6 in. act 6 ..... Doz.
£23411 " " 7 ..... "
£23412 " " 8 ..... "
£23413 " " 9 ..... "
£23414 " " 9½ ..... "
£23417—Coupe soup, 7 in., act. 8½ ..... Doz

BAKER—
£23424 7 in act 8¼ ..... Doz

BOWL—
£23431—30's ..... Doz.

PLATTERS—
£23443—8 in., act. 11 ..... Doz.
£23451 " " 13 ..... "
£23447—12 " " 15 ..... "

SALAD
£23452—7 in., act. 9 ..... Doz.

FRUIT
£23460—4 in., act. 5½ ..... Doz

OATMEAL—
£23405—30's ..... Doz.

CREAMER
£23426 30's ..... Doz.

COVERED SUGAR—
£23477 ..... Doz.

COVERED BUTTER—With drainer
£23478 ..... Doz.

COVERED BUTTER—With drainer and cover
£23479 ..... Doz.

COVERED DISH—Oval
£23480—7 in ..... Doz.

CASSEROLE—Round
£23481 7 in. ..... Doz.

SAUCE BOAT—Attached stand
£23484—6½x3¾ in. ..... Doz.

PICKLE DISH
£23488 [illegible] ..... Doz

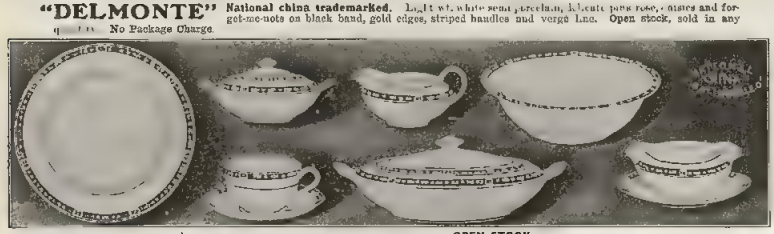
NOTICE

The Potteries are recovering rapidly from the effect of the recent strike. Although assured by the manufacturer this number will probably be in our stock by March 1st, we are marking it T. O., meaning Temporarily Out, fearing there might be some unforeseen delay. The price range is about the same as the "Dresden" pattern.

Temp. Out

"DELMONTE" National china trademarked.

Light wt. white semi-porcelain, delicate pomegranate rose, grapes and forget-me-nots on black band, gold edges, striped handles and verge line. Open stock, sold in any quantity. No Package Charge.



OPEN STOCK

CUPS AND SAUCERS—
F23905 Cup 3¼x2¼ in. saucer 5 ..... Doz
F23905—Coffee 3¼x2¼, saucer 5½ ..... Doz.

PLATES—
E23810—6 in., act. 6 ..... Doz.
E23811 " " 7 ..... "
E23812—8 " " 8 ..... "
E23813—9 " " 9½ ..... "
F23813—Coupe soup, 9 in., act. 7 ..... Doz.

BAKER—
E23824 7 in act. 9½ ..... Doz

BOWL—
E23431—30's ..... Doz.

PLATTERS—
E23843—8 in., act. 11 ..... Doz.
E23847—12 " " 15 ..... "

SALAD
E23852—7 in., act. 9 ..... Doz.

FRUIT—
E23860—4 in., act. 5½ ..... Doz.

CREAMER—
E23826 30's ..... Doz.

COVERED SUGAR—
E23877 ..... Doz.

COVERED BUTTER—With drainer
E23878—..... Doz.

INDIVIDUAL BUTTER—
E23879 3½ in. ..... Doz

COVERED DISH—Oval.
E23880—7 in. ..... Doz.

CASSEROLE—Round.
E23883 7 in. ..... Doz.

SAUCE BOAT—Attached stand.
E23884 7 in. ..... Doz.

PICKLE DISH—
E23886 6¼ in. ..... Doz

NOTICE

The Potteries are recovering rapidly from the effect of the recent strike. Although assured by the manufacturer this number will probably be in our stock by March 1st, we are marking it T. O., meaning Temporarily Out, fearing there might be some unforeseen delay. The price range is about the same as the "Tuscarora" pattern.

Temp. Out

Composition of Our Dinner Sets

42 Piece Set

6 tea cups, 6 saucers, 6 plates, 6 in., 6 plates, 6 in., 6 plates, 7 in., 1 baker, 7 in., 1 bowl, 8½ in., 1 platter, 8 in., 6 fruits, 4 in., 1 covd. sugar (2 pcs.), 1 creamer

50 Piece Set

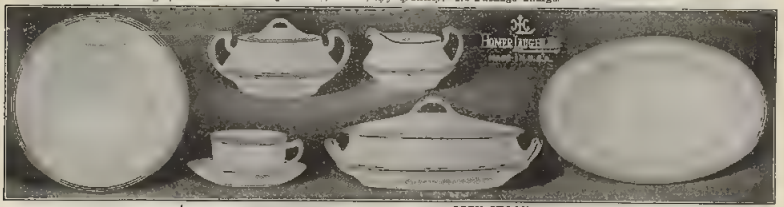
6 tea cups, 6 saucers, 6 plates, 6 in., 6 plates, 7 in., 6 coupe soups, 6 fruits, 4 in., 1 sauce, 7 in., 1 bowl, 8½ in., 1 dish, 10 in., 1 creamer, 1 covd. sugar (2 pcs., 1 covd. dish (2 pcs.,

100 Piece Set

12 tea cups, 12 saucers, 12 plates, 6 in., 12 plates, 8 in., 12 plates, 7 in., 12 coupe soups, 1 baker, 7 in., 1 platter, 8 in., 1 platter, 12 in., 12 fruits, 4 in., 1 covd. sugar (2 pcs.), 1 creamer, 1 butter dish (3 pcs.), 1 casserole (3 pcs.), 1 covd. dish, 7 in. (3 pcs.), 1 sauce boat (2 pcs.), 1 pickle dish

"YALE"

"Homer" Laughlin trademarked. Light wt white semi-porcelain, new shape, blue band, inner gold line and edges, traced handles. Open stock, sold in any quantity. No Package Charge.



DINNER SETS

E12790—42 piece set. SET
Shipping wt about 40 lbs. **$6.50**

E12796—50 piece set. SET
Shipping wt about 50 lbs. **$9.25**

E12793—100 piece set. SET
Shipping wt. about 90 lbs. **$19.10**

For composition of sets see bottom of page.

OPEN STOCK

CUP AND SAUCER—
E12790—Tea 3⅝x2¾ in., saucer 5½. Doz. **$3.15**
E12705—Coffee, 3¼x2¼, saucer 5½. Doz. **$3.75**

PLATES—
E12710—6 in. set 6 Doz **$1.40**
E12711—6 " " 7 " **1.65**
E12712—6 " " 8.. " **1.95**
E12713—7 " " 9..... " **2.45**
E12717 Coupe soup, 7 in., set 6½. Doz. **2.45**

BAKER—
E12724—7 in., set 6⅝x3½...Doz. **$4.20**

BOWL—
E12731—30's.....Doz. **$3.50**

PLATTERS—
E12743—8 in. set 11½ Doz **$3.75**
E12746—10 " " 13½.... " **5.75**
E12747—12 " " 15⅝.... " **10.75**

SALAD—
E12732—7 in. set 8½ Doz **$4.20**

FRUIT—
E12780—4 in., set 5.....Doz. **$1.05**

OATMEAL—
E12765—36's.....Doz. **$2.20**

CREAMER—
E12776—30's.....Doz. **$4.20**

COVERED SUGAR—
E12737 30's ..... Doz **$8.40**

COVERED BUTTER—With drainer
E12738 Doz **$12.60**

INDIVIDUAL BUTTER—
E12770—3½ in ..... Doz **$0.70**

COVERED DISH—Oval
E12780—7 in Doz **$14.70**

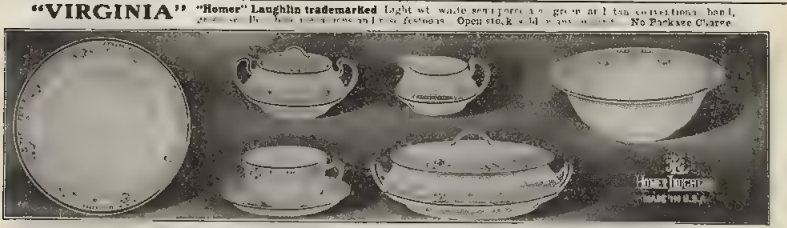
CASSEROLE—Round.
E12783—7 in.....Doz. **$16.80**

SAUCE BOAT—Attached stand
E12784—6½x2½ in.... " Doz. **$5.60**

PICKLE DISH—
E12786—8½x5½ in.....Doz. **$4.20**

"VIRGINIA"

"Homer" Laughlin trademarked Light wt white semi-porcelain, new shape, green and tan conventional band, [illegible] Open stock, sold in any quantity. No Package Charge



DINNER SETS

E12890—42 piece set.
Shipping wt about 40 lbs SET. **$7.95**

E12896—50 piece set.
Shipping wt about 50 lbs SET. **$11.15**

E12893—100 piece set. Temp. Out
Shipping wt about 90 lbs SET. [illegible]

For composition of sets see bottom of page

OPEN STOCK

CUPS AND SAUCERS—
E12800—Tea 3½x2¾ in., saucer 5½. Doz. **$3.60**
E12802—Oxide 3½x2 ¾ in., saucer 5½. Doz. **$3.60**
E12805—Coffee, 3¼x2¼, saucer 5½. Doz. **$4.20**

PLATES—
E12810 6 in., set 6 Doz **$1.85**
E12811 6 " " 7..... " **1.85**
E12812 6 " " 8..... " **2.25**
E12813 7 " " 9..... " **2.85**
E12816 6 " " 10..... " **3.50**
E12817 Coupe soup 7 in set 6. Doz **$2.88**

BAKER—
E12824—7 in., set 6⅝x3½ Doz **$4.95**

BOWL—
E12831 30's. .....Doz. **$4.15**

PLATTERS—
E12843 8 in set 11½ Doz **$4.25**
E12845—10 " " 13½ " **7.75**
E12847—12 " " 15⅝ .. " **12.85**

SALAD—
E12832 7 in., set 8½ Doz **$4.95**

FRUIT—
E12886—4 in., set 5½.....Doz. **$1.25**

OATMEAL—
E12865 36's Doz **$2.65**

CREAMER—
E12876 30's Doz **$4.95**

COVERED SUGAR—
E12878 ...Doz **$10.00**

COVERED BUTTER—With drainer
E12879 Doz **$15.00**

INDIVIDUAL BUTTER—
E12870—3½ in. .Doz **$0.82**

COVERED DISH Oval
E12880 ..... Doz. **$17.50**

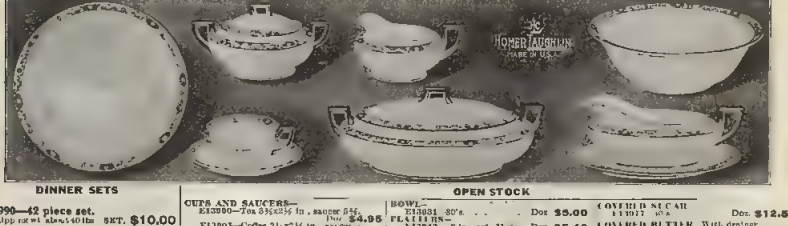
CASSEROLE—Round.
E12883—7 in ..... Doz. **$20.00**

SAUCE BOAT—Without stand
E12884 ..... Doz **$6.75**

PICKLE DISH—
E12886 Width ... in Doz **$4.75**

"VANDERBILT"

"Homer" Laughlin trademarked. Light wt white semi-porcelain New "Kwaker" shape, tinted [illegible] base & green foliage border, black and orange [illegible] inner gold line and edges and bases of upright pieces, half matte com gold handles and knobs. Open stock, sold in any quantity. No Package Charge.



DINNER SETS

E13990—42 piece set.
Shipping wt about 40 lbs SET. **$10.00**

E13996—50 piece set.
Shipping wt about 50 lbs SET. **$13.85**

E13993—100 piece set. Temp. Out
Shipping wt about 90 lbs SET. [illegible]

For composition of sets see bottom of page

OPEN STOCK

CUPS AND SAUCERS—
E13980—Tea 3⅝x2¾ in., saucer 5½. Doz. **$4.95**
E13903—Coffee 3¼x2¼ in., saucer 5½. Doz. **$5.75**

PLATES—
E13910—6 in., set 6 ... Doz. **$2.00**
E13911—6 " " 7..... " **2.25**
E13912—6 " " 8½..... " **2.75**
E13913—7 " " 9..... " **3.60**
E13914—6 " " 10..... " **4.25**
E13917 Coupe soup 7 in set 6½ Doz. **$3.50**

BAKER—
E13924—7 in., set 6½..... Doz. **$6.10**

BOWL—
E13931 30's. . . . Doz **$5.00**

PLATTERS—
E13943—8 in set 11½ Doz **$5.40**
E13945—10 " " 13½ " **9.00**
E13947—12 " " 15⅝ " **15.25**

SALAD—
E13932—7 in., set 8½ Doz **$6.10**

FRUIT—
E13980—4 in., set 5½.. Doz. **$1.80**

OATMEAL—
E13965—36's..... Doz. **$3.15**

CREAMER—
E13976—30's..... Doz. **$6.10**

COVERED SUGAR
E13937 30's ..... Doz. **$12.50**

COVERED BUTTER With drainer
E13938 Doz **$18.50**

COVERED DISH Oval
E13980 ..... Doz. **$21.00**

CASSEROLE—Round.
E13983—7 in ..... Doz. **$24.00**

SAUCE BOAT—Attached stand
E13984 Doz **$18.60**

PICKLE DISH—
E13986—8x5¼ in Doz **$8.00**

Composition of Our Dinner Sets

42 Piece Set

6 tea cups, 1 bowl, 30's,
6 saucers, 1 platter, 8 in
6 plates, 6 in, 6 fruits, 4 in,
6 plates, 8 in, 1 covd. sugars (3 pcs.),
6 plates, 7 in, 1 creamer,
1 baker, 7 in.

50 Piece Set

6 tea cups, 1 bappy, 7 in,
6 saucers, 1 bowl, 30 s,
6 plates, 6 in, 1 cd 11 in
6 plates, 8 in, 1 creamer,
6 plates, 7 in, 1 covd sugar (2 pcs.),
6 coupe soups, 1 covd, dish (3 pcs.),
6 fruits, 4 in

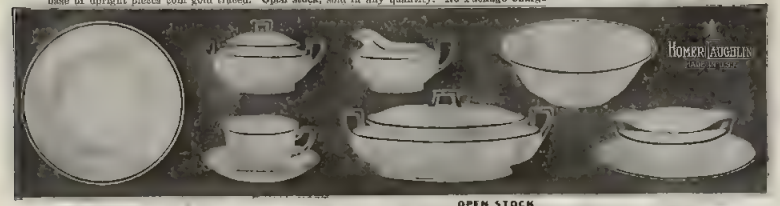
100 Piece Set

12 tea cups, 1 covd sugar (2 pcs.)
12 saucers, 1 creamer
12 plates, 4 in 1 butter dish (3 pcs.)
12 plates, 6 in, 1 casserole (3 pcs.),
12 plates, 7 in, 12 coupe soups,
12 fruits, 4 in 1 baker, 7 in

1 platter, 8 in,
1 platter, 12 in
1 covd dish 7 in. (2 pcs.)
sauce boat (3 pcs.)
1 pickle dish

"NEW CONGRESSIONAL" "Homer Laughlin" trademarked

base of upright pieces coin gold traced. Open stock, sold in any quantity. No Package Charge



DINNER SETS

E13840—42 piece set.
Shipping wt. about 50 lbs. SET $10.15

E13856—50 piece set.
Shipping wt. about 50 lbs. SET $14.10

E13893—100 piece set
Shipping wt. about 90 lbs. SET $29.25

For composition of sets see bottom of page.

OPEN STOCK

CUPS AND SAUCERS—
E13800—Tea [illegible] in. saucer [illegible] Doz. $4.60
E13807—Coffee [illegible] Doz. $4.80
E13905—Coffee 3¼x2¾, saucer 6¼ Doz. $5.40

PLATES— Doz. $2.05
E13810—4 in., act. 6 .....Doz. $2.05
E13811 " 5 " " 2.40
E13812 " 6 " " 2.85
E13813 " 7 " " 3.60
E13814 " 8 " " 4.50
E13817 Soup bowl 9 in. act. 8½ Doz. $3.60

BAKER—
E13824—7 in., act. 8½.....Doz. $6.25

BOWL—
E13841 [illegible] Doz. $6.25

PLATTERS—
E13811 [illegible] Doz. $6.75
E13845 [illegible] 9.50
E13847 [illegible] 16.75

SALAD—
E13852—7 in., act. 8½ ....Doz. $6.25

RELISH—
E13860—4 in., act. 8½ .....Doz. $1.60

OATMEAL—
E13865—9½ [illegible] .....Doz. $3.25

CREAMER—
E13870 [illegible] .....Doz. $6.25

COVERED SUGAR—
E13877—3½ [illegible] .....Doz. $13.50

COVERED BUTTER—
E13880 [illegible] Doz. $18.00

INDIVIDUAL BUTTER—
E13885 [illegible] 9.50
E13886 [illegible] Doz. $1.05

COVERED BUTTER—Oval
E13888—7 in. .....Doz. $21.25

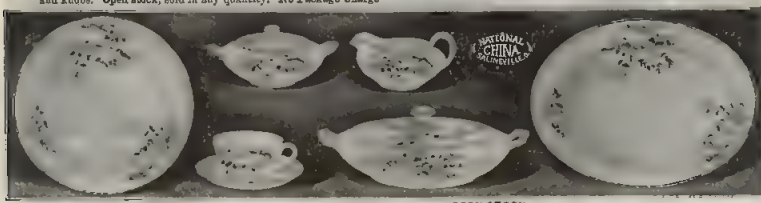
CASSEROLE—Round
E13890—7 in. Fluted [illegible] Doz. $26.00

SAUCE BOAT—Attached stand
E13886—6¼x3½ in. Doz. $18.95

PICKLE DISH
E13886—8½x5½ in.....Doz. $6.25

"GENOA" National china trademarked.

wild flowers and trailing foliage with vari-color flying birds, wide gold edges, gold ornamented fancy handles and knobs. Open stock, sold in any quantity. No Package Charge



DINNER SETS

E23490—42 piece set
Shipping weight about 50 lbs. SET $6.25

E23496—50 piece set.
Shipping weight about 50 lbs. SET $8.85

E23493—100 piece set.
Shipping weight about 90 lbs. SET $16.50

OPEN STOCK

CUPS AND SAUCERS—
E23400—Tea 2¾x2 in., saucer 5. Doz. $2.95
E23403 Coffee, 2¾x2¾, saucer 6 Doz. $3.50

PLATES— Doz. 1.20
E23410—4 in. act. 6 1.20
E23411—5 " " 1.45
E23412—6 " " 1.80
E23413 " 7 " " 2.20
E23414 " 8 " " 2.75
E23415 Soup bowl 9 in. act. 8½ Doz. $2.25

BAKER—
E23424—7 in., act. 8½ ....Doz. $3.90

BOWL—
E23431—9½ in. Doz. $3.25

PLATTERS—
E23434 [illegible] Doz. $3.60
E23435—10 " " 4.25
E23447 15 " " 10.25

BUTTER Doz. $3.90

PRUIT 4 in. act. 5½ Doz. $0.96

MUSTARD [illegible] 1.75

CREAMER E23476—9½ in. ..... Doz. $3.90

COVERED BUTTER Doz. $7.80

COVERED BUTTER With drainer Doz. $12.00

COVERED DISH Oval E23480 [illegible] Doz. $14.50

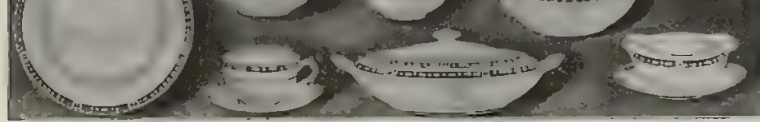
CASSEROLE—Round E23490 [illegible] Doz. $16.95

SAUCE BOAT—Attached stand Doz. $12.00

PICKLE DISH E23486—8½x5½ in. ..... Doz. $3.90

"DELMONTE" National china trademarked.

get-me-nots on black band, gold edges, striped handles and verge line. Open stock, sold in any qty. No Package Charge.



DINNER SETS

E23890—42 piece set.
Shipping weight about 50 lbs. SET $9.55

E23896—50 piece set.
Shipping weight about 50 lbs. SET $13.00

E23893—100 piece set.
Shipping weight about 90 lbs. SET $27.50

OPEN STOCK

CUPS AND SAUCERS—
E23800—Coffee 3½x3¾, saucer 6¼ Doz. $5.25

PLATES— Doz. $1.90
E23810—4 in., act. 6
E23811 " 5 " " 2.15
E23812 " 6 " " 2.65
E23813 " 7 " " 3.50
E23814 " 8 " " 4.10
E23815 Soup bowl 9 in. act. 8½ Doz. $3.25

BAKER—
E23824 [illegible] Doz. $5.75

BOWL—
E23831 [illegible] Doz. $4.75

PLATTERS—
E23844 [illegible] Doz. $4.95
E23847—12 " " 14.50

SALAD—
E23852—7 in., act. 8½ ....Doz. $5.75

FRUIT [illegible] Doz. $1.60

CREAMER [illegible] Doz. $5.75

COVERED SUGAR [illegible] Doz. $11.50

COVERED BUTTER—With drainer
E23870 [illegible] Doz. $18.00

INDIVIDUAL BUTTER—
E23875 [illegible] Doz. $0.95

COVERED DISH—Oval
E23880 [illegible] Doz. $20.50

CASSEROLE—Round
E23890 [illegible] Doz. $24.00

SAUCE BOAT—Attached stand
E23886 [illegible] Doz. $16.00

PICKLE DISH
E23886 [illegible] Doz. $5.75

Composition of Our Dinner Sets

42 Piece Set

6 tea cups, 6 bowls, 6 saucers, 6 plates 6 in., 6 plates 7 in., 6 plates 8 in., 6 cups & saucers 2 pcs., 6 bakers 7 in.

50 Piece Set

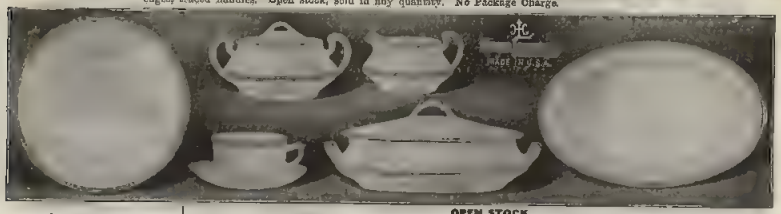
6 tea cups, 6 bowls, 6 saucers, 6 plates 6 in., 6 plates 7 in., 6 plates 8 in., 6 cups & saucers 2 pcs., 6 bakers 7 in., 6 fruits 6 in., 6 cups & saucers 2 pcs., 6 cereals 6 in., 1 cream, 1 sugar, 1 cover, 1 platter 12 in., 1 platter 15 in.

100 Piece Set

12 tea cups, 12 soups, 12 saucers, 12 plates 6 in., 12 plates 7 in., 12 plates 8 in., 12 soups, 1 butter, 1 platter 12 in., 1 platter 15 in., 1 covered dish 7 pcs., 1 covered dish 9 pcs., 1 sauce boat 3 pcs., 1 pickle dish

"YALE"

"Homer" Laughlin trademarked [illegible] edges, traced handles. Open stock, sold in any quantity. No Package Charge.



DINNER SETS

E12790—42 piece set. SET
Shipping wt about 60 lbs. **$6.50**

E12796—50 piece set. SET
Shipping wt about 80 lbs **$9.25**

E12793—100 piece set. SET
Shipping wt. about 90 lbs **$19.10**

For composition of sets see bottom of page.

OPEN STOCK

CUP AND SAUCER—
E12706—Tea 3¾x2¾ in., saucer 5½ ... Doz **$3.15**
P12764 Coffee 3¼x2¼ in., saucer 5½ ... Doz **$3.75**

PLATES—
E12716—6 in. sct 5 ... Doz **$1.40**
E12741 7 " 7 ... " **1.65**
E12712—8 " " 8 ... " **1.95**
P12718 " " 9 " **2.45**
E12717—Coupe soup, 7 in., sct. 8¼ ... Doz. **2.45**

BAKER—
E12724—7 in., sct. 8½x6¾ ... Doz. **$4.20**

BOWL—
E12731—80½ ... Doz. **$2.50**

PLATTERS—
E12743—11 in. sct 11½ ... Doz **$2.75**
E12745—13 " " 13½ ... " **6.75**
E12747—15 " " 16½ ... " **10.75**

SALAD—
E12753—7 in. sct 8½ ... Doz **$4.20**
E12756 sct 5 ... Doz **$1.08**

FRUIT—

OATMEAL—
E12765—36's ... Doz. **$2.20**

CREAMER—
E12778—80's ... Doz. **$4.20**

COVERED SUGAR—
E12777—30's ... Doz. **$6.40**

COVERED BUTTER—With drainer
E12779— ... Doz **$12.60**

INDIVIDUAL BUTTER
E12779—3½ in. ... Doz. **$6.70**

COVERED DISH—Oval
P12800 ... Doz **$14.70**

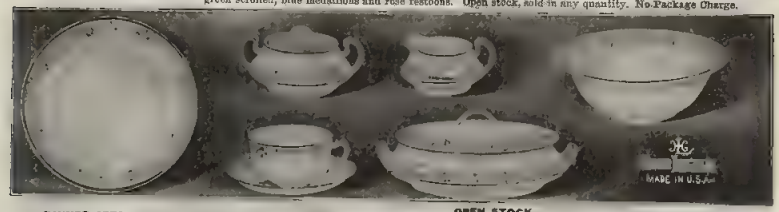
CASSEROLE—Round
E12801 ... Doz **$16.80**

SALAD BOWL—Attached stand
E12784 ... Doz **$5.60**

PICKLE DISH—
E12786—8½x5½ in. ... Doz **$4.20**

"VIRGINIA"

"Homer" Laughlin trademarked. Light wt, white semi-porcelain, green and tan conventional band, green scrolled, blue medallions and rose festoons. Open stock, sold in any quantity. No Package Charge.



DINNER SETS

E12898—42 piece set.
Shipping wt about 60 lbs SET. **$7.95**

E12896—50 piece set.
Shipping wt about 80 lbs SET **$11.16**

E12893—100 piece set. Term
Shipping wt about 90 lbs SET [illegible]

For composition of sets see bottom of page.

OPEN STOCK

CUPS AND SAUCERS—
E12806—Tea 3¾x2¾ in., saucer 5½ ... Doz **$3.60**
P12808 Coffee 3¼x2¼ in., saucer 5½ ... Doz **$3.60**
E12805—Coffee, 3¼x2¼, saucer 5½ ... Doz **$4.20**

PLATES—
E12810—6 in. sct 5 ... Doz **$1.68**
E12811—7 " " 7 ... " **1.92**
E12812—8 " " 8 ... " **2.40**
P12813 " " 9 " **3.60**
E12814 " " 10 " **5.60**
E12815—Coupe soup, 7 in. sct 8¼ ... Doz. **2.88**
BAKER— Doz. **$2.88**
E12824—7 in. sct 8½x6¾ ... Doz. **$4.95**

BOWL—
E12831—80's ... Doz. **$4.15**

PLATTERS—
E12843—11 in. sct 11½ ... Doz **$4.25**
E12845—13 " " 13½ ... " **7.75**
E12847—15 " " 16½ ... " **12.75**

SALAD—
E12852—7 in. sct 8½ ... Doz **$4.95**

FRUIT—
P12866 sct 5½ ... Doz **$1.25**

OATMEAL—
E12865 ... Doz **$2.65**

CREAMER—
E12878 ... Doz **$4.95**

COVERED SUGAR—
E12877—30 ... Doz **$10.00**

COVERED BUTTER—With drainer
P12879 ... Doz **$18.00**

INDIVIDUAL BUTTER
E12879—3½ in. ... Doz. **$6.52**

COVERED DISH—Oval
E12880—7 in. ... Doz **$17.50**

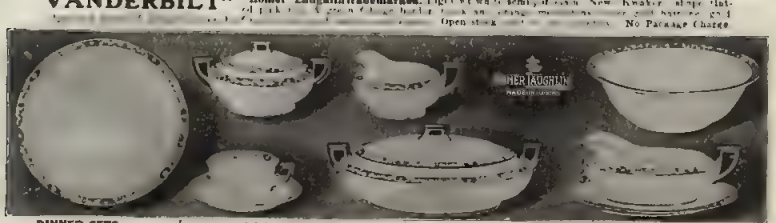
CASSEROLE—Round
P12881 ... Doz **$20.00**

SALAD BOWL—Without stand
E12884—8½ in. ... Doz **$6.75**

PICKLE DISH—
E12886—8½x5½ in. ... Doz **$4.78**

"VANDERBILT"

"Homer" Laughlin trademarked. Light wt white semi-[illegible] New Knaker shape dinnerware [illegible] Open stock [illegible] No Package Charge.



DINNER SETS

E13990—42 piece set.
Shipping wt about 60 lbs SET **$10.00**

E13996—50 piece set.
Shipping wt about 80 lbs SET **$13.85**

E13993—100 piece set. Term
Shipping wt about 90 lbs SET [illegible]

For composition of sets see bottom of page.

OPEN STOCK

CUPS AND SAUCERS—
E13906—Tea 3¾x2¾ in., saucer 5½ ... Doz **$4.98**
P13905 Coffee 3¼x2¾ in., saucer 5½ ... Doz **$4.98**

PLATES—
E13910 6 in. sct 6 ... Doz **$2.00**
E13911 7 " " 7 ... " **2.40**
E13912 8 " " 8 ... " **2.90**
E13913 9 " " 9 ... " **3.60**
E13914 " " 10 " **4.25**
E13917 Coupe soup 7 in. sct 8 ... Doz. **3.60**
BAKER— Doz. **$3.60**
E13874 7 in. sct 8½ ... Doz **$6.10**

BOWL—
P13931 80's ... Doz **$5.00**

PLATTERS—
E13943 11 in. sct 11½ ... Doz **$6.40**
E13945 13 " " 13½ ... " **9.60**
E13947 15 " " 16½ ... " **16.25**

SALAD—
E13952 7 in. sct 8½ ... Doz **$6.10**

FRUIT—
P13966 6 in. sct 5½ ... Doz **$1.80**

OATMEAL—
E13965 36 ... Doz. **$3.15**

CREAMER—
P13978 80's ... Doz **$6.10**

COVERED SUGAR—
P13977 30's ... Doz **$12.50**

COVERED BUTTER—With drainer
P13979 ... Doz **$18.80**

COVERED DISH—Oval
P13980 ... Doz **$21.00**

CASSEROLE—Round
P13981 ... Doz **$24.00**

SALAD BOWL—Attached stand
E13984—8½ in. ... Doz **$12.60**

PICKLE DISH—
E13986—8½x5½ in. ... Doz **$8.00**

Composition of Our Dinner Sets

42 Piece Set

6 tea cups, 1 bowl, 80's,
6 saucers, 1 platter 9 in.
6 plates 6 in. 6 fruits 4 in.
6 plates 7 in. 1 cover sugar 2 pcs
6 plates 9 in. 1 creamer
1 baker, 7 in.

50 Piece Set

6 tea cups, 1 nappy, 7 in.
6 saucers 1 bowl 80's
6 plates 6 in. 1 dish 10 in.
6 plates 7 in. 1 cover sugar 2 pcs
6 plates 9 in. 1 cover butter 2 pcs
6 soup bowls 1 cover dish 2 pcs.,
6 fruits 4 in.

100 Piece Set

12 tea cups, 1 cover sugar (2 pcs.)
12 saucers 1 creamer
12 plates 6 in. 1 cover dish 2 pcs.)
12 plates 7 in. 1 casserole 2 pcs
12 plates 9 in. 12 soup bowls,
12 fruits 4 in. 1 baker, 9 in.
1 platter, 8½ in.
1 platter 12 in
1 cover dish 7 in
2 pcs
sauce boat (2 pcs.)
1 pickle dish.

FEDERAL MAZDA LIGHT BULBS

500% More Candle Power Than Old Style Carbon Filament Bulbs.

FLAT TYPE

For Flashlights

	Each	
No. 1—2.2 Volt; For Flashlight No. 21	**$0**	**30 15**
No. 2—3.3 Volt; For Flashlight No. 22	**30**	**15**

ROUND TYPE

	Each	
No. 11—2.3 Volt; For Flashlights Nos. 212		
No. 16—2.5 Volt; For Flashlights Nos. 2-5	**$0**	**30 15**
No. 17—3.8 Volt; For Flashlights Nos. 230,		**30 15**
No. 17—3.8 Volt; For Flashlights Nos. 230, 240, 250, 330, 340, 350, 250, 260, 120		**.30 15**
No. 13—3.8 Volt; For Focusing Type Flash Lights		**.40 .20**

ROUND TYPE

For Dry Battery Lamps

	Each	
No. 10—1.25 Volt; For Bicycle Lighting Outfits No. 270 or All Lamps Taking One Dry Cell Battery	**$0**	**30 15**
No. 35—2.4 Volt; For Flashlights Nos. 1D, 10D, and Bicycle Outfits No. 280 or All Lamps Taking Two Dry Cell Batteries		**.30 15**
No. 31—6.2 Volt; For 5 Cell Tubular Type Battery		**30 .15**

IN ASSORTMENTS

In Handsome Display Carton, 15x7¼x 1¾ inches; On the Cover of Which is an Illustration and Reference Guide for Every Style of Flashlight and Battery Lantern Made; Dealer Can Refer to This Guide When Customer Submits Flashlight and Immediately Select the Proper Bulb.

Per Assortment

No. BA100 Consisting of 10 Mazda No. 1, 20 Mazda No. 11, 30 Mazda No. 17, 10 Mazda No. 2, 30 Mazda No. 16 **..$20.00 15.00**

COMPASSES

FLODIAL

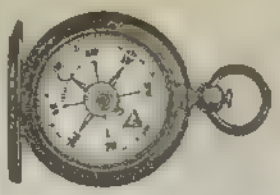
1¾ inch Polished Metal Dial; Copper Lined; Nickel Plated Polished Brass Open Case Flodial Dial.

Per Dozen

No. F—Weight per Dozen, About 1½ lbs.....$33.00

One in a Paper Box

COMPASSES



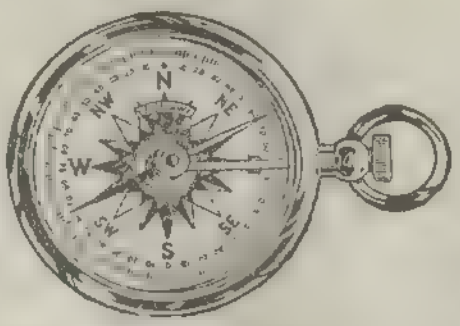
U. S. A.

"N" and "S" Points of This Compass are Prepared with Radio Active Compounds, Which Enables Them to Be Seen at Night.

Per Dozen

No. USA—1¾ inch Polished Metal Dial; Copper Lined; Nickel Plated Polished Brass Hunting Case; Weight per Dozen, About 1¾ lbs.....$84.00

One in a Cloth Bag



LEEDAWL

This Compass is Thoroughly Reliable, Accurate and Durable, and with a Little Care will Last a Very Long Time; The Screw in the Center of the Ring is Arranged to Lift a "Stop" and Check the Action of the Needle When Not in Use.

Per Dozen

No. L—1¾ inch Silvered Metal Dial; Nickel Plated Brass Open Case with Ring; with Stop and Jeweled Needle; Weight per Dozen, 1¾ lbs.....$27.00

One in a Box

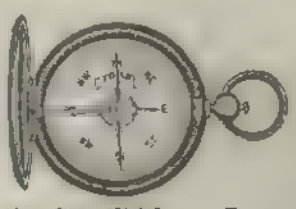
ECLIPSE

1¾ inch Aluminum Dial with Black Graduations; Polished German Silver Watch Case; Open Face; Beveled, Convex Glass Lens; Extra Fine Quality and Accurate.

Per Dozen

No. EC—Weight per Dozen, 1½ lbs.....$48.00

One in a Box



CYDAWL

1¾ inch Polished Metal Dial; Copper Lined; Nickel Plated Polished Brass Hunting Case; Graduated Into 360°.

Per Dozen

No. GY—Weight per Dozen, About 1¾ lbs.....$72.00

Half Dozen in a Box

TELAWAY

1¾ inch White Dial; Gun Metal Case; Graduated to 360°

Per Dozen

No. T—Weight per Dozen, 1 lb.....$16.80

One in a Box

OVD. HUNTING KNIVES

Made from a special grade steel similar to that of the very best razor steel. Not the regular butcher knife steel. Hand forged, swaged and polished. Ground to a very sharp razor edge. Scored ebony handle. Fastened to blade with three large head brass rivets. The blade extends through the entire length of the handle.

No. 745 OVD—5 in. blade, full length 9¼ in., **without sheath,** w't per doz. 3 lbs. .....per dozen **$13.50**

For Leather Sheath for No. 745 hunting knife, see No. 955 sheath illustrated on this page.

HALF DOZEN IN A BOX

No. 7803 OVD—**Extra finish, finest quality, scored** ebony handle, metal bolster, 6 in. polished and swaged blade, **without sheath** .....per dozen **$12.00**

For Leather Sheath for No. 7803 hunting knife, see No. 955 sheath illustrated on this page.

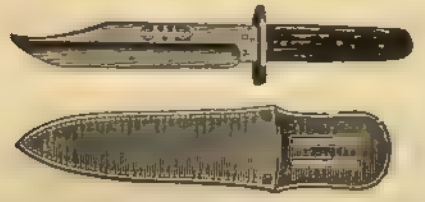
HALF DOZEN IN A BOX

LEATHER SHEATHS FOR HUNTING KNIVES

Made of heavy Russet Leather, embossed front., strongly sewed, fitted with 3 copper rivets at the top, thus affording the greatest strength where it is most required fitted with loops through which a belt may be slipped.

Nos.	955	956
For blades, in.	5 and 6	7 and 8
Full length, in.	9¾	11
Per dozen	$3.00	3.50

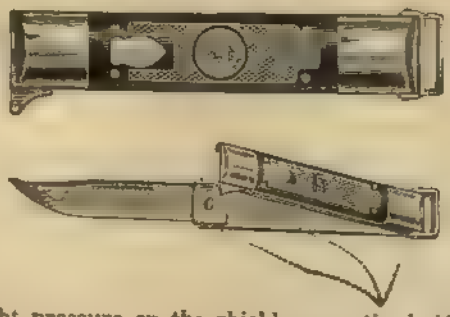
OVD. HUNTING KNIVES



Stag handles, nickeled silver guard, hand forged crucible steel blade, clip point, crocus polished, **leather sheath.**

Nos.	7375	7376
Blades, in.	5	6
Per dozen	$35.50	41.00

HALF DOZEN IN A BOX



A slight pressure on the shield opens the knife, swing blade out into cutting position, close case or handle and you have a rigid knife that is ready for business.

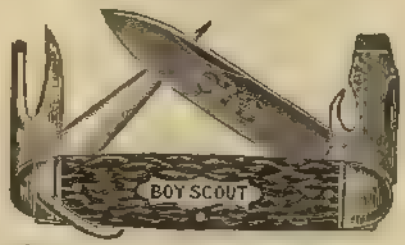
No torn thumb nails or sore fingers, no projections to catch or tear clothing.

Adaptable for every outdoor use. For hunting, fishing, camping, etc., it has no superior. Blades can be easily changed. Unconditionally warranted.

No. 961—Neft Safety Knife, made of the highest grade crucible steel, scientifically tempered and ground to a keen and lasting edge, length of blade 4¼ in., length of knife when closed 5¼ in., scored hard rubber handle, large nickel silver bolsters with guard and toggle to attach to rope or key chain, small metal wrench for interchanging blades .....per dozen **$60.00**

HALF DOZEN IN A BOX

BOY SCOUT KNIVES



Brass lined, nickel silver shield large nickel silver shackle for attaching to belt.

No. 21 OVD—1 large blade, 1 Harrison punch, 1 can opener, 1 combination screw driver and bottle opener, polished stag handle, 3⅜ in. closed ....per dozen **$24.00**

No. 22 OVD—2 blades, polished ebony handle, 3¼ in. closed .....per dozen **$14.50**

No. 2705P Hibbard—1 large blade, 1 leather punch, 1 can opener, 1 combination screw driver and bottle opener, stag handle, nickel silver bolster, 3⅜ in. closed, per dozen **$24 00**

OVD ARMY KNIVES

No. 25 OVD—**Army,** 1 large spear point blade, 1 Harrison patent leather punch, 1 can opener blade, 1 combination screw driver and crown cap bottle opener blade, stag handle, brass lined with heavy steel center lining, nickel silver bolsters and nickel silver shield, stamped **Army Knife.** Nickel silver shackle for attaching to key chain or rope halyard, 3⅜ in. when closed, per doz. **$24.00**

HALF DOZEN IN A BOX

MARBLE'S HUNTING KNIVES

Marble's Hunting Knives are forged from Razor Steel, are hand tempered, tested and honed to a Keen edge. Each Knife is fully Guaranteed.

IDEAL HILT KNIVES

A combination of quality and excellent features of design and finish, that has won a world wide reputation.

The blade is adapted to sticking and skinning. It is oval ground at back of point for chopping bones and other hard substances.

Laminated Leather Handle, with colored hard fibre and brass washers. Has flush Aluminum tip. Complete in leather sheath.

No. 45—		
Blade ins.	5	6
W't per dozen lbs.	6½	7½
Per dozen	$49.80	54 40

HALF DOZEN IN A BOX

Stag Horn Handle, with colored hard fibre, leather and brass washers. Has flush Aluminum tip. Complete in leather sheath.

No. 46—		
Blade ins.	5	6
W't per dozen lbs.	6½	7½
Per dozen	$63.40	68.00

HALF DOZEN IN A BOX

CANOE KNIVES

Some of the prominent canoeists of the Country requested a knife for their use. Marbles Canoe Knife has won their approval as it is "short and stout."

When sailing a Canoe or yacht, a short, keen sheath knife is a necessity for slashing rigging in case of sudden squall or Capsizing.

Laminated Leather Handle, with colored hadr fibre and brass washers. Has flush Aluminum tip. Complete in leather sheath with point protector.

No. 51—4¾ in. blade, weight per dozen 5 lbs., per dozen $45.30

HALF DOZEN IN A BOX

Stag Horn Handle, with colored hard fibre, leather and brass washers. Has flush Aluminum tip. Complete in leather sheath with point protector.

No. 52—4¼ in. blade, w't per doz. 5 lbs., per dozen $58.80

HALF DOZEN IN A BOX

WOODCRAFT KNIVES

The desirable features of several knives embodied in one. Is adapted for Sticking, Skinning, Cleaning, Slicing, Breaking bones etc.

The thick tapering bevel blade carries the strength from handle to point. Back of blade close to handle is checkered to give a firm grip with thumb and finger. The back of point is beveled for chopping, breaking bones, etc.

AN ALL PURPOSE WOODMANS KNIFE.

Laminated Leather Handle, with colored hard fibre and brass washers. Has flush Aluminum tip. Complete in leather sheath.

No. 49—4½ in. blade, weight per doz. 5 lbs., per dozen $40.80

HALF DOZEN IN A BOX

DALL DE WEESE PATTERN

Designed by Dall DeWeese, for use on expedition after big game, where every item of the outfit has to be figured down to the lightest and most compact form. It has a dull saw back on which the thumb is placed when skinning or cutting hard substances. When sticking the little finger should be doubled up, letting the end of handle rest against it. This takes the place of a hilt.

Stag Horn Handle, with groove to fit finger. Complete in leather sheath with point protector.

No. 62—4 in. blade, weight per dozen 4 lbs., per dozen $36.20

HALF DOZEN IN A BOX

EXPERT KNIVES

Particularly designed to meet the requirements of the professional hunter, trapper and guide, who requires a thin, keen edge for dressing skins and furs.

The back of the blade is designed for scraping skins while on the forms.

Laminated Leather Handle, with colored hard fibre and brass washers. Has flush Aluminum tip. Complete in leather sheath with point protector.

No. 545—5 in. blade, weight per dozen 5 lbs., per dozen $45.30

HALF DOZEN IN A BOX

SAND TOYS AND SPRINKLERS

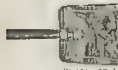
IMPORTED SAND TOY SET

F4899—7 pcs., 6 tin moulds in bright colors, 4½ in. high, 8¼ in. bright metal sand shovel with wood handle each set in display carton with hang hole. ½ doz sets in pkg. Doz sets **$1.25**

SAND BOAT AND SHOVEL

F2887—9x2½ in., canoe shape red body, 1¼ in. brassed disc wheels, steel axles, 6 in. red shovel. 1 doz in box Doz **89c**

KIDDIES' SAND SHOVEL



STAR VALUE

F2680—27 in. overall, black, 6½x7½ in. pressed steel Litho design in red and wax finish handle. Assd 1 doz in box Doz **96c**

TOY SPRINKLER CANS

F2858—4½x9 in., 4½ in. spout handles with turned edges, bright color, enamel finished bodies, all the other parts lacquered, spout and handles strongly soldered. Assd. 1 doz. in box ... Doz. Gus

F2859—6x4 in., 6¼ in. braced spout handles with turned edges, assd. bright color litho design bodies, other parts lacquered, spout and handles strongly soldered. Assd. ½ doz. in box .Doz. Gus

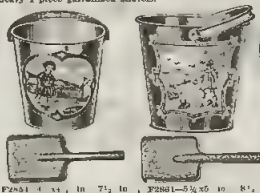
SAND MOTOR PAILS AND SHOVELS

½ in. riveted, turned edge, enamel handles. Assd. red, blue and green.

F2885 7 x 9 in high 4x4 in. pail with step sides, lacquered inside, 7 in. handle, 4 x 4½ base stand with rivets and 3 cup sand motor. 8 in. curved shovel. Assd. colors. 1 doz in box Doz **$2.15**

LITHO SAND PAILS AND SHOVELS

Extra heavy materials, exceptionally fine workmanship. 7 color litho juvenile designs, heavy 1 piece galvanized shovels.



F2851—4 x 4 in., 7½ in. riveted handle, ½ in. wide with turned edges, 8 in. shovel. Assd. 1 doz in box Doz **88c**

F2861—5½x5 in., 8½ in. riveted handle, ½ in. wide with turned edges, 8½ in. shovel. Assd. 1 doz in box Doz **95c**

F2858—6½x6¼ in., 11¼ in. riveted handle, ½ in. wide with turned edges, 11¼ in. shovel. Assd. 1 doz in box Doz **$2.25**

F2889 6½ in. high, 6½x6 in. pail with step sides, lacquered inside, 7 in. handle, 4½x4½ base stand with rivets and 3 cup sand motor. 8 in. curved shovel. Assd. colors. ½ doz in box Doz **$3.95**

DOLLS AND DOLL CARRIAGES

NOVELTY DOLLS

F1900 13 in. high, sprayed flesh color body, painted features, hair and black shoes, jointed arms, features will not rub off. 1 doz in pkg Doz **$4.50**

F1901 17 in. high, sprayed flesh color body, painted features and black shoes, jointed arms, mohair wig, can comb hair and face, re-paints eyes, each in box. ½ doz in pkg Doz **$6.00**

NOVELTY DRESSED DOLLS

Modeled composition flesh sprayed bodies, painted features, roguish expression, jointed arms, mohair wigs not wefi, painted shoes. Wig stand

F2910—16 in. high colored sateen pantalettes and wired full skirt with fancy tinsel edge, braid straps and head band. ½ doz in box Doz **$8.50**

Tinted Metal Cloth Pantalettes—Wired full skirt, lace and tinsel trimmings, marabou edged skirt and armlets, tinsel straps and head band with fancy marabou. ½ doz in box

F1911—18 in. high, Doz **$14.00**

F1912—21 in. high with pill head, necklace Doz **$22.00**

UNBREAKABLE DOLLS

Excellently modeled composition heads, painted features, well stuffed bodies, kid and shoulder joints.

F7200—2 styles, 12 in. high, with brush, plain painted hair, rompers and dresses of assd. checked percale trimmed with braid and lace. Assd. 1 doz. in box. Doz **$2.25**

F7220—"Big Sis" asst., 2 styles, 14½ in. high, modeling composition heads, painted hair, full composition arms, lawn, chambray & gingham plaid dresses. Assd. ½ doz. in box. ... Doz. **$4.50**

IMPORTED CELLULOID DOLLS

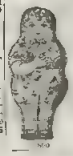
Standing position, jointed arms, flirting eyes, open mouths and fine assorted head

F9430	5 in.	Doz. **$0.46**
F9431	6 in.	**.60**
F9432	7½ in.	**.72**
F9433	9 in.	**.85**
F9434	11 in.	**1.50**

"NELKE" SOFT DOLL ASSORTMENT

F7585—8½ in., solid color girl with contrasting collar, 2 color clown with ruche neck. No pins or buttons, soft and cuddly, unbreakable, waterproof head painted features and hair, 1 pc patented stockinette bodies. Assd. 1 doz. in box Doz **$4.25**

"LITTLE TOTS" SOFT BODY DOLLS

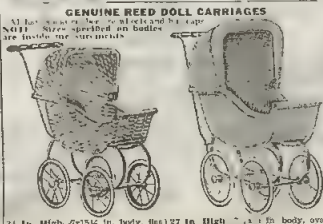


F7890—9 in. stuffed blue serge body 1 doz in box Doz **84c**

F7891 Girl and boy asst., 11½ in. painted and tinted character features, lawn and checked percale waists, blue linene overalls hat and bonnets to match. Assd 1 doz in box. Doz. **$2.25**

GENUINE REED DOLL CARRIAGES

All have wicker hoods and backs. NOTE Sizes specified on bodies are inside measurements



24 In High—27x15½ in. body, fine reed imitation corduroy covered seat and back, 7 in. wheels. 1 in carton. Each **$4.50**

Total 5 lbs.

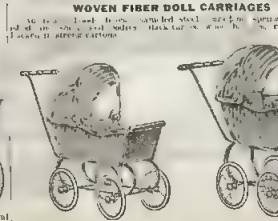
27 In High—30x16½ in. body, oval reed round fiber roll, imitation cord reed upholstered padded seat and back, new hood, 8 in. wheels. 1 in carton. Each **$3.95**

F1326 Natural
F1327 Gray

27 In High—30x16½ in. body, oval reed round fiber roll, imitation cord reed upholstered padded seat and back, new hood, 8 in. wheels. 1 in carton. Each **$8.50**

F1328 Natural
F1329 Gray

WOVEN FIBER DOLL CARRIAGES



22 In High—26½x14½ in. body, 6 in. double spoke wheels. 2 in carton. Each **$2.50**

Total 35 lbs

F314 Natural

22 In High—26½x14½ in. body, 6 in. double spoke wheels, hot caps, 1 in carton. Each **$3.00**

Total 35 lbs

F422 Natural
F423 Gray

STEEL FRAME DOLL GO-CARTS

Semi-Collapsible

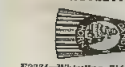
F248 9 in. high, top 9½ in. deep, 1 in. carton. 1 lb. Each **$4.50**

Total 5 lbs.

F281 With steel auto top 9½ in. deep, 1 in carton 11 lbs. Each **$5.25**

HORNS AND OTHER NOISY TOYS

NOVELTY HORNS

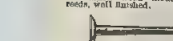


F2334—Whistling, 7¾ in. long, extra heavy cardboard, red, white and blue glazed paper covering, wood mouthpiece, very loud whistle. 2 doz. in box. Doz. 32c
Gro $3.60

F2359—Jazz band, 7¾ in. long, bright metal, turned wood mouthpiece, loud brass reed, imitates musical instruments and birds, etc. 2 doz. in box. Doz. 77c
(Total $1.04)

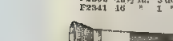
BELL BOTTOM TIN HORNS

Turned wood mouthpieces, loud brass reeds, well finished.



Colored—Brilliant red and blue.

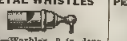
	Doz.
F2306—10½ in. 3 doz. in box	$0.38
F2341 16 " 1 " 4 "	.57



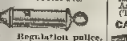
Red, White and Blue—Finished in bright colors.

F2278—16 in. 1 doz. in box. Doz. 89c
F2343 23 in., extra large bell, patent mouthpiece, ½ doz. in box.
Doz. $2.10

METAL WHISTLES

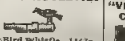


F2274—Warbler, 3 in. long, extra loud, cork warbler, nickel plated brass body. 2 doz. in box. Doz. 32c
(Total 64c)

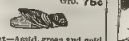


F2360 Regulation police, 3½ in. long, large barrel, nickel plated brass body. ½ doz. in box. Doz. $2.10

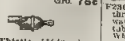
FAST SELLING PENNY NOVELTIES



Pewter Bird Whistle—1¼ in., extra loud notes, pewter bird perched on top.
F2381—1 gro. in box. Gro. 75c



Cricket—Assid. green and gold embossed tin, imitates cricket or telegraph.
F2091—Assid. 1 gro. in box. Gro. 75c

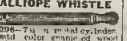


Police Whistle—1¾ in., shaped mouthpiece, heavy metal, shrill call.
F2352—1 gro. in box. Gro. 95c

PEWTER WARBLING WHISTLE

F2304—3 in. singing bird, natural brilliant colors. Assid. 3 doz. in box. (Total $1.08) Doz. 55c

CALLIOPE WHISTLE

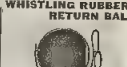


F2296—7½ in. metal cylinder, assid. color stamped wood bill and mouthpiece, notes like calliope. 2 doz. in box. Gro. $8.25 Doz. 72c

"VICTORY" CANARY SONGSTER

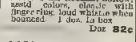
F2385—4½ in. high, brass throughout, 3 in. canary whose bowl is in rubber tube with metal mouthpiece. Use a brown canary, warbler, natural, no sweet tail and bill each in box with instructions. 1 doz. in pkg.
Doz $2.00

WHISTLING RUBBER RETURN BALL



F2640—6 in. circum., hollow, assid. colors, elastic with finger ring, loud whistle when bounced. 1 doz. in box.
Doz 32c

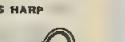
CARNIVAL RATTLES



F2348 — Crickets, 6½ in., hardwood, turned wood handle, enamel ratchet, strong clappers. 1 doz. in box.
Doz. 42c

F2347 — Carnival rooster, heavy IX polished stamped tin, loud crank, rack in action. 1 doz. in box.
Doz. 75c

ENGLISH JEWS HARP



F2802 — 2¾ in. heavy bright iron frames, steel tongues. 1 doz. in pkg.
Doz. $1.15

IMPROVED "BABY JEANETTE" TOY PHONOGRAPH

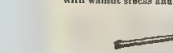
A tremendous seller and will be even greater with its new improvements.

F2238 7x7 in. 1 pc heavy steel, mahogany enamel finish, 1 pc aluminum tone arm and sound box, extra strong long running gilt motor guaranteed to play two 10 in records without rewinding; steel regulator 6½ in. green felt covered turntable rubber pegs on feet. Produces loud clear tone. Gearmore with each machine. 1 in shipping carton.
Each $2.00
Doz. $22.80

TOY PISTOLS & AIR RIFLES

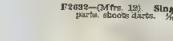
THE FAMOUS "DAISY" AIR RIFLES

The following numbers represent the best sellers from the well known "Daisy" line. All with walnut stocks and accurately sighted

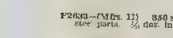


F2681 (Mfrs. 30) "Little Daisy," single shot, 20 in. long, 1 lb. 4 oz., break action, blued finish steel parts. ½ doz. in pkg.
Doz. $7.20

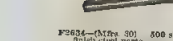
F2682—(Mfrs. 12) Single shot, 31½ in. long, 1 lb. 8 oz. lever action, blued finish steel parts, shoots darts. ½ doz. in pkg.
Doz. $12.00



F2683—(Mfrs. 11) 350 shot, repeater, 31½ in. long, 1 lb. 11 oz., lever action, nickeled finish steel parts. ½ doz. in pkg.
Doz. $16.00



F2684—(Mfrs. 20) 500 shot, automatic repeater, 33 in. long, 2 lbs. 7 oz., lever action, blued finish steel parts. ½ doz. in pkg.
Doz. $20.00



F2685—(Mfrs. 8) 1,000 shot, automatic repeater, 36 in. long, 2 lbs. 6 oz., lever action, nickeled finish steel parts. 1 in box.
Each. $2.00

F2687—(Mfrs. 25) New pump action, 50 shot, automatic repeater, 37 in. long, 3¼ lbs., adjustable rear sight, blued finish steel parts. 1 in box.
Each $3.30

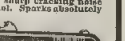
"UPTON" 1,000 SHOT REPEATING AIR RIFLE

STAR VALUE

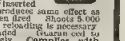
F2629—(Mfrs. 40) 1,000 shot, automatic repeater, 35½ in. long, lever action, accurately sighted, walnut stocks, all metal parts blued steel, guaranteed perfect merchandise. Each wrapped in box. ½ doz. in pkg.
Doz. $16.00

"Ronson" Automatic Repeating Pistol and Reloads

Exact miniature of large automatic. Will shoot as fast as trigger can be pulled, shooting sparks and making sharp cracking noise like cap pistol. Sparks absolutely harmless.

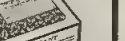


F2655 14½ in. back stamped brass barrel and corrugated grip, shoots quick pulling trigger. Red glazed paper inserted in muzzle produces same effect as revolver when fired. Shoots 5,000 shots before reloading is necessary. Easily reloaded. Starter coil to work properly. Complies with laws of every state. Each in box with full instructions. 1 doz. in display cabinet.
Doz. $2.00



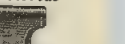
F2656—Reloads for F2655 pistol 1,000 shots for 1c. Each reload in genuine capsule in glazed paper envy. 12 doz. in display box.
(Total $4.56) Doz. 38c

"KING" RIFLE POP GUN

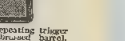


F2666—(Mfrs. 15) 17 in. long, lever action, harmless shoots corks, highly polished metal parts, walnut stocks, each with cork and string in carton. 1 doz. in pkg.
Doz. $2.10

AUTOMATIC WATER PISTOLS

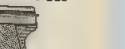


F1690—"Zip," 5 in. long repeating trigger set-up, concealed bulb brassed barrel, blued body and corrugated grip, looks like an automatic pistol. 1 doz. in box.
Doz 85c



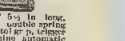
F1682—"Baby Automatic," 5½ in. long, gun metal finish steel body, double spring action barrel corrugated pistol grip, trigger action, operates like genuine automatic pistol, shoots small repeating or large continuous stream, each in carton with directions. ½ doz. in box.
Doz. $2.00

BIG VALUE POP PISTOL



F2647—5½ in. long, extra heavy nickel coated steel, strong spring action cock and firing, each wrapped. 1 doz. in box.
Doz 89c

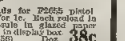
AIR RIFLE SHOT



Boy Scout Rifle Shot—1 x 9 in shell tube with perforated side and shooting band to permit shot to be taken out contents 1 oz. of shot.
F2611 ½ doz. shells in box.
Doz 65c
CASE (100 shells) $5.00

Drop Shot—
F2650—5 lbs. in canvas bag.
BAG (5 lbs.) 65c

"LITTLE DAISY" RIFLE POP GUN



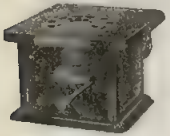
F2643—(Mfrs. 10) 17 in. long, harmless, shoots corks, etc. single shot, break action, all metal parts blued steel, walnut stock, each with cork and string. ½ doz. in carton.
Doz. $3.20

OIL STOVES

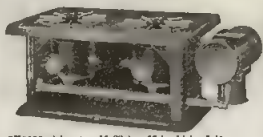
How can we push oil stove prices so low? By uniting the wants of our 5 big houses in orders that bring costs down to bed rock.

"CAPITOL" TESTED WICKLESS OIL STOVES

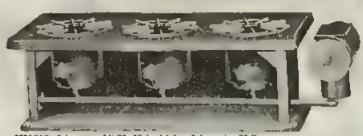
Guaranteed blue flame, efficient and serviceable. We challenge you to find the equal of these stove values anywhere else in the world. **Wickless,** full cabinet frame, 1 piece steel, hard baked black japanned, decorated, leaded steel burners, leaded steel tank, ½ gal. positive shutoff perfect combustion. Each stove has instruction card with each.



2H8504—1 burner, 14x14 top 10 in. high. 1 in crate, 10 lbs. Each **$3.95**



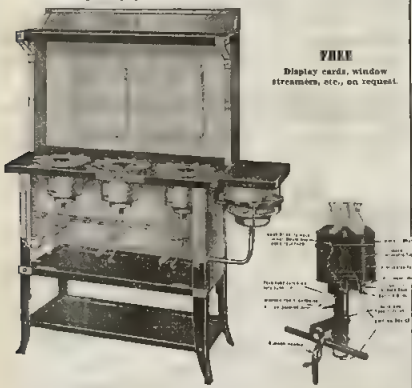
2H8505—1 burner, 14x22 top, 10 in high. 1 in crate, 27 lbs. Each, **$4.95**



2H8506—3 burners, 14x33, 30 in high. 1 in crate, 35 lbs. Each, **$6.95**

"NESCO PERFECT" WICK OIL COOK STOVES—Blue Flame

Noted for their great efficiency and economy. One of the most widely advertised and biggest selling lines of stoves on the markets. The demand is created and you get the benefit when you display these stoves.



FREE
Display cards, window streamers, etc., on request.

34 in. high to cooking top, highly finished cold rolled steel, black japanned top and ares, blue japanned burners, all other parts Nesco" gray japanned, nickel ed trimmings, 1 gal heavy glass tank fitted into self-feeding valve. "Nesco" blue flame burners, no soldered joints. Rockwool asbestos and copper wire woven wicks, last much longer than ordinary wicks, also heat quicker. Parts can be replaced at any time.

Without High Shelf Back

2H2287—2 burners,	25x17½	top.	1 in crate,	60 lbs	Each, **$12.50**
2H2708 -3	"	33x17½	"	1 "	" 70 " 15.65
2H2709 —4	"	53x17½	"	1 "	" 90 " 19.85

With Plain High Shelf Back

2H2328 2 burners,	33x17½	top	1 in crate,	80 lbs	Each, **$15.85**
2H2329—3	"	43x17½	"	1 "	" 105 " 19.85
2H2330 —4	"	53x17½	"	1 "	" 115 " 26.60
2H2465—WICKS for above stoves					Doz 2.25

GIANT "STRATFORD" WICK OIL COOK STOVES

These stoves have the famous "KEROGAS" BURNERS, powerful quick heat, no soot, no odor, no smoke, no waste. One new "Giant" burner on each stove. More cooking at less cost. **OPERATE LIKE A GAS RANGE.**

National advertising in leading magazines is creating a big demand for these stoves. The merchants who display them will get the business and profits.

FREE
Display cards, window streamers, etc., on request

"Kerogas" Burner

30½ in high to cooking top, heavy steel, full cabinet style body, baked japan finish "Kerogas" burners, made of genuine brass drawn out of one solid piece, fireproof and rustproof fitted with one extra large or "Giant" burner for larger ovens with porcelain enameled efficient wick raiser and regulator 4 gal tank.

Without High Shelf Back

2H7887—2 burners,	25½x17½	top.	1 in crate,	58 lbs	Each **$14.50**
2H7883 3	"	33 x17½	"	1 "	" 72 " 16.50
2H7884 4	"	43½x17½	"	1 "	" 84 " 22.50

With Plain High Shelf Back

2H4584—2 burners,	25½x17½	top.	1 in crate,	58 lbs	Each, **$18.35**
2H4585—3	"	35 x17½	"	1 "	" 72 " 23.25
2H4586—4	"	45½x17½	"	1 "	" 84 " 28.25

With White Enameled High Shelf Back

2H4587 2 burners,	25½x17½	top.	1 in crate,	58 lbs	Each, **$20.35**
2H4588—3	"	35 x17½	"	1 "	" 72 " 26.00
2H4589—4	"	45½x17½	"	1 "	" 84 " 31.50

"AUTO FEED" WICKLESS OIL COOK STOVES

Burn like a gas range, not like a lamp. "Auto - Feed" stoves are noted all over the world for their satisfactory-lasting qualities. FREE display cards, window streamers, etc. on request.

30½ in. high to cooking top, wickless, full cabinet style, heavy steel body, finished in baked black enamel, striped with gold and glass solid brass burners, rust and leakproof burner grates finished in gray vitreous enamel, glass oil tank.

Without High Shelf Back

2H8529—2	burner,	25½x17½	top	1 in crate, 67 lbs.	Each, **$13.50**
2H8531—3	burner,	35x17½	top.	1 in crate, 90 lbs.	Each, **$17.85**
2H8532—4	burner,	45½x17½	top.	1 in crate, 98 lbs.	Each, **$21.50**

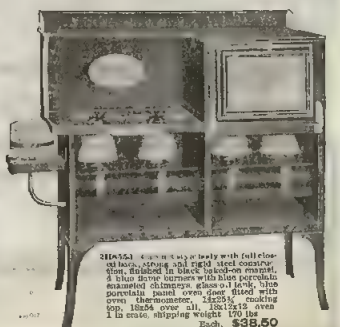
With Plain High Shelf Back

2H3034	2 burners	25½x17½	top	1 in crate, 95 lbs.	Each, **$17.50**
2H3035—3	burners,	35x17½	top.	1 in crate, 115 lbs.	Each, **$22.50**
2H3036—4	burners,	45½x17½	top.	1 in crate, 136 lbs.	Each **$27.25**

With White Enameled High Shelf Back

2H3637—2	burners,	25½x17½	top.	1 in crate, 84 lbs.	Each, **$19.50**
2H3638—3	burners,	35x17½	top.	1 in crate, 115 lbs.	Each, **$26.50**
2H3640—4	burners,	45½x17½	top.	1 in crate, 138 lbs.	Each, **$29.85**

WICKLESS OIL RANGE—Built-on Oven

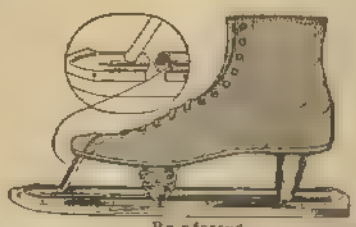


2H4551 [illegible] body with full closed back, strong and rigid steel construction, finished in black baked-on enamel, 4 blue flame burners with blue porcelain enameled chimneys, glass oil tank, blue porcelain panel oven door fitted with oven thermometer, 14x25½ cooking top, 18x24 oven all, 18x12x13 oven 1 in crate, shipping weight 170 lbs Each, **$38.50**

NESTOR JOHNSON NORTH STAR SKATES

Scientific principles of construction make Nestor Johnson skates the peer among tubular skates. Not only does the patent rib, on each side of the runner housing tube, add a feature of strength, but adds to the rigidity of the skate as well. A very superior feature is the one-piece drawn steel heel cup, which is an exclusive feature of all our skates. Nestor Jonhson blades are to well known to need any added praise. Shoes for all outfits are made with correctly molded counters and only with inside counter pockets, same as all high grade shoes. All Nestor Johnson skates are made to place the foot in correct scientific position and cups are heel compensating. Reliability and long wear are built into every pair of our skates and shoes.

NORTH STAR RACER



Reinforced Corrugated Steel Rib

For Shoe Sizes 5, 6, 7, 8, 9, 10, 11.

No. 300—Men's, aluminum finish,
per outfit .....$.....

For Shoe Sizes 6, 7, 8, 9, 10, 11.

No. 301 Men's, full nickel plated,
per outfit .....$.....

NORTH STAR HOCKEY

For Shoe Sizes 4, 5, 6, 7, 8, 9, 10, 11.

No. 200—Men's aluminum finish,
per outfit .....$.....

For Shoe Sizes 6, 7, 8, 9, 10.

No. 201—Men's, full nickel plated,
per outfit .....$.....

Ritter Strap Carrier permits the use of a strap of good weight and the use of the long instep re-enforcing counter used on racing shoes, for hockey outfits, a great advantage to the skater in permitting an adjustment heretofore impossible

For Shoe Sizes 5, 6, 7.

No. 302—Women's, aluminum finish,
per outfit .....$.....

No. 303—Women's, full nickel plated,
per outfit .....$.....

For Shoe Sizes 3, 4, 5, 6, 7, 8.

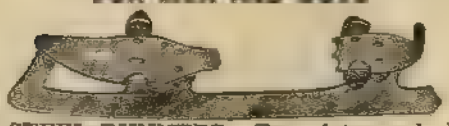
No. 202—Women's, aluminum finish,
per outfit .....$.....

No. 203—Women's, full nickel plated,
per outfit .....$.....

Prices on Application.

UNION HARDWARE ICE SKATES

KEY CLAMP—ROCKER
FOR MEN AND BOYS



BEST STEEL RUNNERS. Top plates and clamps of best quality cold rolled steel. Polished.

No. 1624—Bright finish .....per pair $.....
No. 1624½—Nickel plated .....per pair $.....

Size, in	8	8½	9	9½	10	10½	11	11½	12
W't pr., oz.	34	35	36	36	39	40	41	42	43

KEY CLAMP—ROCKER
FOR MEN AND WOMEN

Top plates of best quality cold rolled homogeneous steel, with beveled edges, narrow foot plates.

No. 1724½—Polished cast steel runners, all parts nickel plated .....per pair $.....

Sizes	8½	9	9½	10	10½	11	11½	12
W't per pair, oz.	35	36	36	39	40	41	42	43

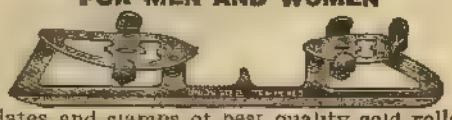
KEY CLAMP—HOCKEY
FOR MEN AND BOYS

Top plates and clamps of best quality cold rolled homogeneous steel.

No. 524½—Polished cast steel runners, all parts nickel plated .....per pair $.....
No. 424½—High percentage of **carbon** runners, hardened and polished, all parts nickel plated.....per pair $.....

Size, in.	9	9½	10	10½	11	11½
W't per pair, oz.	19	20	21	22	23	25

KEY CLAMP—HOCKEY
FOR MEN AND WOMEN



Top plates and clamps of best quality cold rolled homogeneous steel.

No. 924½—Flanged runners made of union steel, tempered, top plates with beveled edges, all parts full polished and nickel plated .....per pair $.....

Size, in.	9	9½	10	10½	11	11½
W't per pair, oz.	24	25	26	27	29	32

CHILDREN'S EXTENSION BOB

No. 1—Cold rolled steel, polished, adjustable, from 6½ to 8 in., russet leather straps, w't per pair 24 oz., per pair .....$.....
Extension allows it to be fitted to the foot of any small child.

HALF KEY CLAMP—ROCKER
FOR WOMEN AND GIRLS

Plates and clamps of best quality cold rolled homogeneous steel, russet leather backs and straps.

No. 5624—Cast steel polished runners, per pair $.....

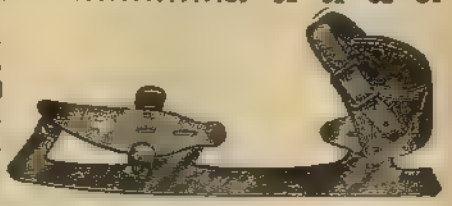
Sizes, in.	8	8½	9	9½	10	10½	11
W't per pair, oz.	30	31	31	32	34	36	38

Top plates and clamps of best quality cold rolled **steel.**

No. 5124—Cast steel polished runners, per pair ....

Sizes, in.	8½	9	9½	10	10½
W't per pair, oz.	30	31	31	32	34

Plates and clamps of best quality cold rolled homogeneous steel, russet leather backs and straps.



No. 5624½—Polished cast steel runners, all parts nickel plated .....per pair $.....
No. 5724½—High percentage of **carbon** runners, hardened and polished, all parts nickel plated.....per pair $.....

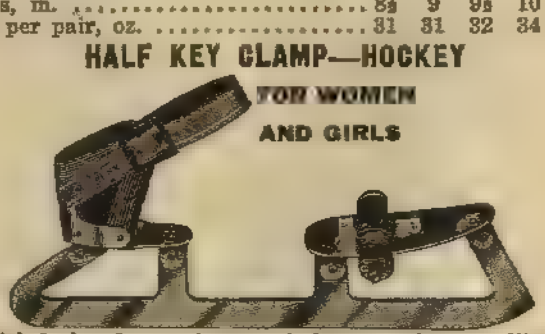
Sizes, in.	8	8½	9	9½	10	10½	11
W't per pair, oz.	30	31	31	32	34	36	38

Plates and clamps of best quality cold rolled homogeneous steel, russet leather backs and straps.

No. 424½L—High percentage of **carbon** runners, hardened polished, all parts nickel plated, polished edges, per pair .....$.....

Sizes, in.	8½	9	9½	10	10½
W't per pair, oz.	31	31	32	34	36

HALF KEY CLAMP—HOCKEY
FOR WOMEN AND GIRLS



Nickel plated, top plates and clamps of best quality cold rolled homogeneous steel, russet leather backs and strips.

No. 524½L—Best steel runners.....per pair $.....

Sizes, in.	8½	9	9½	10	10½	11
W't per pair, oz.	34	35	36	37	38	39

GAS GENERATOR

ACETYLENE

The Neverout

MOTORCYCLE LAMP

Made on the Most Approved Lines of Acetylene Gas Generation. Burning Capacity, Six Hours. Full Nickel Finish. Height, 8½ inches; Diameter, 3¼ inches. Bracket Especially Designed for Securely Fastening to Front Fork; Contains Adjustable Clamp for Holding Generator Perpendicular.

	Each		
No. 3.....	**$15.00**	---	---

One in a box.

OIL LAMP

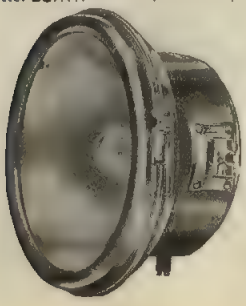
The Neverout

MOTORCYCLE

A Combination Headlight and Tail Light in One Lamp. Makes More Light than Most Gas Lamps by Means of a Patent Glass Covered German Silver Reflector. Positively Will Not Rattle Apart. Note Double Clamp Bracket and Red Rear Signal, which Prevents Accidents. Made in Nickel, Brass or Gun-metal Finish. Positively Stay Lit.

	Each		
No. 66.....	**$5.50**	---	---

One in a box



HEADLIGHTS

AUTOMOBILE

The Neverout

ELECTRIC

Correct in Construction and Very Attractive. Parabolic Reflector. Made in Full Brass, Highly Polished. Supplied with 20 Candle-power 6 Volt Tungsten Bulb. Unless Otherwise Specified.

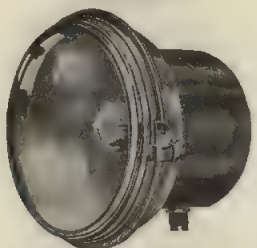
	Each		
No. 2E—Length, 6¼ inches. Extreme height, 10⅜ inches. Diameter of face, 10¼ inches. Diameter of body, 7¼ inches	**$25.00**	----	----

One in a box.

SIDE LAMPS

AUTOMOBILE

The Neverout



REGULAR ELECTRIC

Made in Full Brass, Highly Polished. Supplied with 4 Candle-power 6 Volt Tungsten Bulb, Unless Otherwise Specified.

No. 94—Extreme height, 6 inches Length, 5¾ inches Diameter of body, 4½ inches... Each $12.50 --- ---

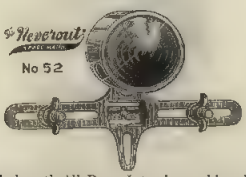
One in a box.

ELECTRIC TAIL LAMPS

AUTOMOBILE

The Neverout

ELECTRIC



The New Neverout Telescopic Tail Lamps are Made with All Parts Interchangeable In Case of Breakage by Accident Parts Can be Instantly Supplied and Replaced by the Motorist without the Necessity of Sending to a Lamp Repairer There is No Solder in the Entire Construction and the Lamp is Practically Indestructible Dust and Weather Proof The License Plate Holder is Constructed on the Well known Neverout Principle. Holds License Plate Securely, Cannot Rattle or Mar the Body of the Car Will Take Any Size License Plate. Lamp is Fitted with Tungsten Wire Drawn Bulb, Provided with Ediswan Base and Electrical Socket, with "On and Off" Switch. The Rear Red Light is of Semaphoric Configuration and can be Seen at a Great Distance The Whole Lamp can be Taken Apart by Merely Removing the Spring Run Around the Rear Glass The Device has a Combination Socket that Fits any Lamp Bracket Drilling Holes in Car Unnecessary. Lamp is Finished in Gun Metal or Nickel Plate, with Black Enamel License Holder Height, 6½ inches, Width, 10½ inches; Red Lens, 3 inches in Diameter. Handsome, Sturdy and Simple in Construction—It Stands in a Class by Itself.

Each

No. 52. . . . . $4.25 --- ---

One in a box

Each

No. 70—Same as No. 52. Without Licence Tag Holder.. . . . . $3.25 --- ---

One in a box.

TAIL LAMPS

AUTOMOBILE

The Neverout

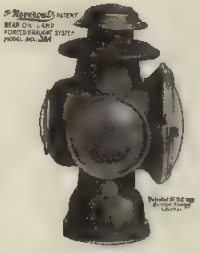
FORCED DRAUGHT

Full Brass. Highly Polished. Equipped with Red, Green and White Lenses. Burns Kerosene. Lights the License Number and Throws a Strong Red Rear Danger Signal Burns Kerosene Thirty Hours. Absolutely Oil-tight. No Rattling. Handsome in Design. Extreme Height, 10¾ inches; Diameter of Face, 4 inches; Diameter of Rear Danger Signal, 3 inches; Diameter of Green Side Light, 3 inches; Width of Lamp, 6½ inches; Depth of Lamp, 5 inches.

Each

No. 84—Medium..... **$11.50** --- ---

One in a box.



FORCED DRAUGHT

Full Brass. Highly Polished. Equipped with Red, Green and White Lenses. Burns Kerosene. This Lamp Corresponds with the Neverout Patent Side Oil Lamp No. 356, and is Sold Under the Neverout Guarantee. Lights the License Number, and Shows a Strong Red Rear Signal. Burns Kerosene Twenty Hours with One Filling. Absolutely Oil-tight. No Rattling. Handsome in Design. Extreme Height, 9 inches; Diameter of Face, 4 inches; Diameter of Rear Danger Signal, 3 inches, Diameter of Green Side Light, 3 inches; Width of Lamp, 5½ inches; Depth of Lamp, 5 inches. Also Furnished in Black Enamel with Brass or Nickel Trimmings at Slight Additional Cost.

Each

No. 384—Small Size..... **$10.00** --- ---

One in a box.

GAS LAMPS

The Neverout

MOTORCYCLE

Has a Special Mirror Lens Reflector and a Forward Aluminum Reflecting Flange, with a Specially Constructed Hood for Throwing the Light on the Road, which Incidentally Protects the Eyes of the Rider Equipped with Two Brackets to Impart Rigidity. Also Furnished with Standard Size Rear Prop. Made of Brass, Nickel Plated, Fully Riveted Throughout, and Cannot Shake Apart. Concavoconvex Glass Placed in the Door Frame with a Removable Spring Wire—Readily Replaced in Case of Accident. The Most Powerful Motorcycle Lamp on the Market. Diameter of Face, 6 inches; Length, 6 inches, Extreme Height, 7¼ inches. Brackets with Purchase of Complete Outfit, Without Extra Charge. Brackets can be Furnished at a Nominal Cost to Attach this Headlight to All Standard Motorcycles. Please State for Which Motorcycle the Headlight is Intended

Each

No. 4..... **$10.00** --- ---

One in a box.

SEARCHLIGHTS

AUTOMOBILE

The Neverout

[SINGLE FOCUS MANGIN MIRROR LENS

Made in Full Brass, Highly Polished. Also in Black Enamel, Nickel Plated, Gun Metal Plated or Combination Finishes at an Additional Cost. Four Sizes. For Rigid Brackets. Burns Acetylene Gas. Equipped with Special Non-breakable Mangin Mirror Lens Reflectors. Easily Cleaned—Always Retain Original Brilliancy. Optically Correct. With the Exception of the "Neverout" Patent Double Focus Searchlights, these are the Most Powerful Acetylene Headlights Made. A Beautiful Lamp Inside and Outside. It is Easily Cleaned and will Retain its Original Brilliancy During its Entire Life of Service. Full Brass, Highly Polished

	Each		
No. 107—Length, 8⅝ inches. Extreme height, 9¾ inches. Diameter of face, 8½ inches. Diameter of body, 6¾ inches	$20.00	----	----
No. 108—Length, 10¼ inches. Extreme height, 10¾ inches. Diameter of face, 10 inches. Diameter of body, 7¾ inches	28.00	----	----
No. 109—Length, 11¾ inches. Extreme height, 11¾ inches. Diameter of face, 10½ inches. Diameter of body, 8¾ inches	35.00	----	----
No. 110—Length, 11¾ inches. Extreme height, 13 inches. Diameter of face, 12½ inches. Diameter of body, 10 inches	55.00	----	----

One in a box.

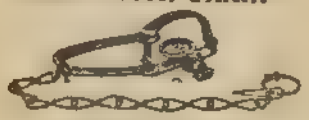
DASH TYPE D

The Searchlight Projector is an Innovation, as it Contains our Famous Patent Double Focus System. The Double Focus System is so Powerful that One Light Makes as Much Light as Two Ordinary Searchlights. This Swivel Searchlight is Particularly Valuable on Delivery Cars and Trucks. Auto Dash Type D is Made in Full Brass, Highly Polished. Made in Three Sizes. Double Focus Searchlight Projector, with Swinging Swivel Bracket. Burns Acetylene Gas. For Delivery Cars and Trucks

	Each		
No. 79D Small	$32.00	----	----
No. 88D—Medium	40.00	----	----
No. 90D—Large	47.00	----	----

One in a box.

VICTOR GAME TRAPS
STEEL WITH CHAIN



SINGLE SPRING

No. 0V—Rat, 3¼ in., w't per doz. 5 lbs., per dozen $3.05

No. 1V—Muskrat, 4 in., w't per doz. 7⅛ lbs. .....per dozen $3.65

No. 1½V—Mink, 4⅝ in., w't per doz. 11⅛ lbs. .....per dozen $5.50

DOUBLE SPRING

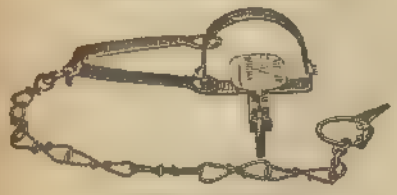
No. 2V—Fox, 4⅝ in., w't per doz. 13⅞ lbs .....per dozen $7.20

No. 3V—Otter, 5¼ in., w't per doz. 21⅛ lbs. .....per dozen $12.20

No. 4V—Beaver, 5⅞ in., w't per doz. 24¾ lbs. .....per dozen $14.65

PACKED IN BARRELS, NO. 0V, FIFTY-FIVE DOZEN; NO 1V, FORTY; NO. 1½V, TWENTY-FIVE; NO. 2V, SIXTEEN; NO. 3V, TEN; NO. 4V, SIXTEEN

VICTOR GIANT TRAPS



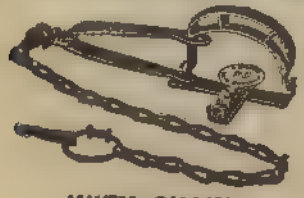
WITH CHAIN

The height of jaw is such that it catches high on animals' leg, jaws have great holding power.

No. 1VG—Muskrat, Skunk and Mink, spread of jaws 4⅞ in., w't per doz. 8⅛ lbs. .....per dozen $4 50

THIRTY-THREE DOZEN IN A BARREL

VICTOR DOUBLE GRIP TRAPS



WITH CHAIN

The double jaw has a double grip, thus making it practically impossible for the animal to twist or gnaw out.

No. 91V—Skunk, Muskrat and **Mink,** spread of jaws 4⅞ in., w't per doz. 8⅛ lbs.....per dozen $5.50

THIRTY-FOUR DOZEN IN A BARREL

ONEIDA JUMP TRAPS

Single Spring with Chain.

Light, compact, quality guaranteed.

No. 1J—Muskrat, 4⅛ in., **single spring,** w't per doz. 8 lbs., per dozen $4.40

No. 1½J—Mink, 5¼ in., **single spring,** w't per doz. 9⅜ lbs., per dozen. $6 35

No. 2J—Fox, 5⅞ in., **single spring,** w't per doz. 14 lbs., per dozen $9.75

NOS. 0J, 1J AND 1½J, TWELVE DOZEN IN A CASE; NO. 2J, TWENTY; NO. 3J,

TWELVE IN A BARREL

KOMPAKT TRAPS

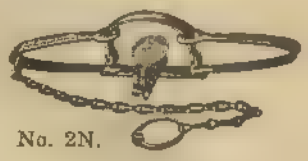
A quick, high-catching trap, easily set and guaranteed. Adapted to trapping all small animals.

No. 1—Single spring, plain jaw, spread of jaws 4⅛ in., w't per doz. 6⅘₀ lbs. .....per dozen $3.00

FORTY DOZEN IN A BARREL

Hibbard HARDWARE FOR HARD~WEAR

NEWHOUSE TRAPS



No. 2N.

No. 1N—Muskrat, 4 in., **single spring,** w't per doz. 10 lbs., per dozen $9.75

No. 1½N—Mink, 4⅛ in., **single spring,** w't per doz. 14 lbs., per dozen $14.65

No. 2N—Fox, 4⅛ in., **double spring,** w't per doz. 18 bs., per dozen $21.95

No. 3N—Otter, 5¼ in., **double spring,** w't per doz. 28⅛ lbs., per dozen★ $29.30

No. 4N—Beaver, 6⅛ in., **double spring,** w't per doz. 38 lbs., per dozen $34.15

No. F5N—Bear, 11⅛ in., double spring with teeth, w't per doz. 234 lbs., per dozen★ $370.85

No. F6N—Grizzly Bear, 16 in., double spring with teeth, w't per dozen 522 lbs.★ .....per dozen $585.60

These traps are most carefully made in every detail, of the finest materials and are all thoroughly tested, guaranteed in every way.

NO. 1N TWELVE DOZEN IN A CASE; NO. 1½N, TWENTY-FIVE; NO 2N, FIFTEEN; NO 3N, TEN DOZEN IN A BARREL; NO. 4N, SEVEN DOZEN IN A BARREL

Our Very Best is the Very Best.

★ Items Marked Thus ★ are Shipped from Factory Only.

QUALITY GAME TRAPS

Every Trap Guaranteed.

"TRIUMPH"

SINGLE SPRING STEEL JAWS WITH CHAIN

Tested Springs.

Springs may be turned either to the right or left and both jaws will still lie flat.

No. 100—Size 0—Squirrels and **Barn-Rats**, spread of jaw 3½ in., w't per doz. 5 lbs., per dozen...$3.05

No. 101—Size 1—Muskrat, Skunk and **Mink**, spread of jaw 4 in., w't per doz. 7½ lbs., per dozen...$3.65

No. 101½—Size 1½—Rat, Chuck and **Skunk**, spread of jaw 4⅝ in., w't per doz. 11 lbs., per dozen...$5 50

NO. 100, SIXTY; NO. 101, FORTY NO. 101½, THIRTY DOZEN IN A BBL.

DOUBLE SPRING WITH CHAIN, STEEL JAWS

No. 102—Size 2—Fox, Coon and **Possum**, spread of jaw 4¾ in., w't per doz. 13½ lbs.....per dozen $7.20

SEVENTEEN DOZEN IN A BARREL

TRIUMPH RANGER

DOUBLE SPRINGS, MALLEABLE JAWS WITH CHAIN

No. 42—Wolf, Coyotte, Wild Cat, etc., spread of jaw 6½ in., w't per doz. 30 lbs..... per dozen $20.75

SEVEN DOZEN IN A BARREL.

TRIUMPH TRAP PLACERS

Works equally well on traps of any make and regardless of style.

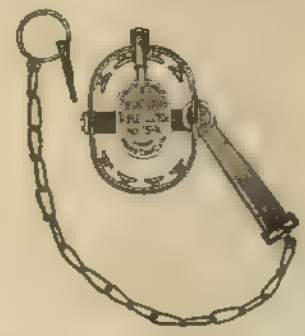
Can be hung in the belt or carried in the hand. Made entirely of metal. May also be used as a scrap or killer.

No. 5000—Length 16 inches. Wt. per dozen 14 lbs., per dozen $8.00

TRIPLE CLUTCH

Pull, twist and gnaw-proof. Not a chance to pull or or twist out. The flesh quickly swells into the groove between the two jaw faces. No bone breakage.

MALLEABLE JAWS



"HIGH GRIP" PATTERN—The Trap that Holds. Single Spring.

No. 115X—Muskrat, Skunk and **Mink,** spread of jaw 4⅜ in., w't per doz. 8¾ lbs.....per dozen $5.50

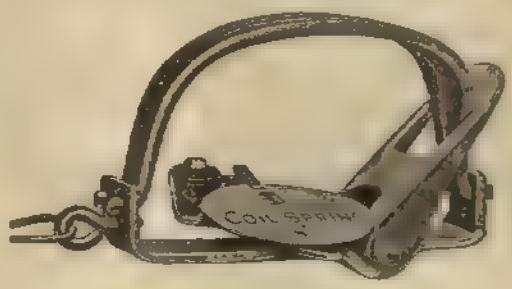
No. 215X—Fox, Coon, Possum, etc., spread of jaw 6½ in., w't per doz. 6½ lbs.....per dozen $9.75

NO. 115X THIRTY-FOUR; NO. 215X TWENTY DOZEN IN A BBL.

COIL SPRING

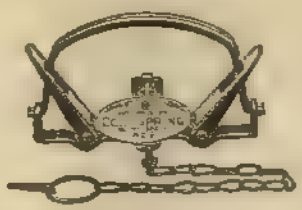
Coil wound wire springs, rust-proofed. Each wedge plate has two separate springs. High grip, easily set and concealed. Wire chain, ring and staple.

For Muskrat, Barn Rats and Skunks.



No. 1C—Spread of jaws 4 in., w't per doz 6½ lbs., per dozen $3.00

FIFTY DOZEN IN A BARREL



No. 2C—Spread of jaws 4⅝ in., w't per doz. 11 lbs., per dozen $6.00

TWENTY NINE DOZEN IN A BARREL

—and in 1922

The Second Peak

During 1921 The Boston Herald carried more national advertising in its daily editions than any other American newspaper. During 1922 it has not only continued that leadership, but has, we believe, also carried more national advertising in its daily and Sunday editions than any other seven-day American newspaper.

Its unquestioned twofold leadership among Boston newspapers is demonstrated by the following report of lineage, from figures furnished by the Boston Newspapers' Statistical Bureau:

First in National Advertising
Daily Newspapers

Herald	3,200,680 lines
Post	2,736,963 lines
Transcript	2,188,803 lines
Globe	1,729,758 lines
American	1,420,795 lines

First in National Advertising
Daily and Sunday Newspapers

Herald	4,114,174 lines
Post	4,064,214 lines
Globe	2,340,476 lines
Advertiser	1,414,840 lines

The Boston Herald

Now First in National Advertising

Both Daily and Daily and Sunday

The Herald Is First or Second in Practically Every Classification of Display Advertising

We operate America's most versatile and effective sales service department If you have merchandising problems in Boston, probably we can help you

THREE years before the Declaration of Independence was signed, the Maryland Journal and Advertiser was established in Baltimore. Some years later it became known as The BALTIMORE AMERICAN.

This year The AMERICAN celebrates its 150th Anniversary. In glancing back over a career that has seen the development of Baltimore from a "mere village" to a city of more than three-quarters of a million, its chief pride is not in its historic past, but in the tremendously vital responsibility of its future.

It is a glorious bit of history to have "grown up" with Baltimore—to have had such close relationship with the molding of the city's life during the past century and a half; but it will be a privilege still more glorious to continue to hold that same relationship to the Baltimore of the future.

The AMERICAN knows no worthier cause than that of serving Baltimore and Maryland. It is its one reason for being. And the loyalty of its readers in and near Baltimore and throughout the State of Maryland is evidence of the supreme faith and confidence they place in this great paper.

It is to a following like that of The AMERICAN that the national advertiser finds it so profitable to address his message.

Sold in combination with the BALTIMORE NEWS; combination rate 30c per line on contract for 1000 lines or more, 35c Sunday. Sunday AMERICAN Rotogravure rate 35c per line flat.

THE BALTIMORE NEWS
Evening, Daily And Sunday.

The Baltimore American
Morning, Daily And Sunday.

DAN A. CARROLL
Eastern Representative
150 Nassau Street
New York

Howard A. Webb
Advertising Manager

J. E. LUTZ
Western Representative
Tower Bldg.
Chicago

Mrs. Blatch gives her picture of a better way of government.

Samuel Ranck sees a vision of the ideal city, in which all will be happy.

And Collier's platform for industrial peace is made complete.

Every week in more than a million homes, Collier's is read by alert, intelligent men and women whose substantial progress is measured by the thinking they do. They provide a vast, open market for products that can be sold by advertising.

Collier's

THE NATIONAL WEEKLY

in more than a million homes

The Crowell Publishing Company
381 Fourth Avenue, New York, N. Y.

Will you exhibit in Baltimore's 17th Auto Show?

BACK in the days when "twenty-five miles an hour" was a big selling point for motor vehicles and doors on pleasure cars were a luxury, Baltimore's first Automobile Show was staged. The touring car shown in the inset, "built on lines of beauty," as its maker describes it, was a part of the exhibition. In all, there were thirty exhibitors, and many of these were accessory dealers.

Today, all Baltimore and Maryland motorists are eagerly looking forward to *the event of the year* —the Seventeenth Annual Show which will open January 20 with more than seventy-five exhibitors.

And all Baltimore and Maryland are awaiting just as eagerly the big Auto Show Numbers of the NEWS of January 20 and of the Sunday AMERICAN of January 21 —two great issues that will not only index the whole exhibition for the thousands of readers of these two papers, but will cover the entire automotive industry with such informational news matter as to make these Show Numbers the most valuable sources of reference that can be put into our readers' hands.

Maybe you were one of those thirty exhibitors in that first show. Surely if you are one of the seventy-five exhibitors in the 1923 Show, you will want to run your advertising in these Show Numbers. Will you wire or write at once for space reservation? The rate of 35c per line covers insertion in both papers.

THE BALTIMORE NEWS
Evening. Daily And Sunday.

The Baltimore American
Morning. Daily And Sunday.

DAN A. CARROLL
Eastern Representative
150 Nassau Street
New York

Harold A. Wolf
Advertising Manager

J. E. LUTZ
Western Representative
Tower Bldg.
Chicago

Collier's ideal is the utterance of truth, its hope that the building up of moral ideas may in time do away with the exercise of force in all human affairs.

(October 14.)

Collier's, for one, never wavers in its faith that this generation can, if it will, so work and plan that its children and grandchildren may live a life serene and more abundant. If this be idealism, make the most of it.

(October 21.)

This editorial program is so thoroughly ingrained in Collier's own organization, and has been so cordially received by its readers, that it stands above the horizon like a fixed star, by which we shall continue to make our onward course.

It is a program which engages the attention and holds the interest of forward-looking people in more than a million homes—people who are alert to read and act upon what they read in Collier's—whether in its editorial or in its advertising columns.

Collier's

THE NATIONAL WEEKLY

in more than a million homes

The Crowell Publishing Company
381 Fourth Avenue, New York, N. Y.

"Interested Readers" Buy the Cars

Car owners, prospective purchasers, dealers and traders and mechanics—practically every financially competent motorist and is-to-be motorist in Chicago and its suburbs—read The Chicago Daily News. Moreover, they read its daily automobile column for technical, trade and advertising information and for the sheer pleasure of its entertaining gossip. It commands reader-interest and reader-confidence to an unapproachable degree in Chicago's motor world, which is thoroughly covered by The Daily News' circulation of approximately 400,000—about 1,200,000 daily readers.

It is the interested reader who buys—as every experienced advertiser knows. This accounts for the leadership of The Chicago Daily News among Chicago daily newspapers, in the amount of automobile advertising carried. In the first eleven months of 1922 The Daily News printed 542,670 lines of automobile advertising, as against 492,578 lines printed by the daily newspaper, The Daily Tribune, making the next highest score.

THE

CHICAGO DAILY NEWS

First in Chicago

a good year in Oklahoma

80 cents and oats at 50 and 60 cents are swelling bank accounts.

What a different condition than existed a year ago! The farmer feels happy over the outlook. He has held his own or made money during 1922 with the break in prices against him.

Now, with farm prices steadily creeping up, he is digging in. With adequate moisture in the soil, good crop prospects and higher prices for farm products, the farmers of Oklahoma are going to help bring back national prosperity in 1923.

This active farm market is best covered by The Oklahoma Farmer-Stockman, not only Oklahoma's dominant farm paper, but one of the leadership sectional farm journals the country over.

Greatest Circulation—Lowest Rate

The OKLAHOMA FARMER-STOCKMAN

PUBLISHED BY THE OKLAHOMA PUBLISHING CO. PUBLISHERS OF THE DAILY OKLAHOMAN AND OKLAHOMA CITY TIMES

CARL WILLIAMS
Editor

Edgar T. Bell, Adv. Mgr. Oklahoma City, Okla.

E KATZ SPECIAL ADVERTISING AGENCY
New York Chicago Kansas City Atlanta San Francisco

Another Record

The Chicago Evening American again broke all records in 1922.

Complete details of a wonderful year will be told in an early issue.

CHICAGO EVENING AMERICAN

A dominating State; a dominating Paper!

OHIO is a dominating State; practically no undeveloped land; a State evenly balanced between mining, manufacturing and farming. The most perfectly balanced State in the Union! Try out your new products, or your old products with new features, in Ohio.

And in Cincinnati, the most typically Ohian of all the cities, you have a dominating newspaper, the TIMES-STAR. It offers you a reader supremacy that has been increasing for the past fifteen years. The TIMES-STAR goes into four out of every five Cincinnati homes.

The TIMES-STAR offers the most economical and most effective medium through which the full purchasing power of this market can be reached. Local and national advertisers have testified to this fact by using more display space in the TIMES-STAR for over fifteen years than in any other Cincinnati paper, including those with Sunday editions.

CINCINNATI TIMES-STAR

CHARLES P. TAFT, *Publisher* C. H. REMBOLD, *Manager*

Member of Audit Bureau of Circulations

During 1922
The PLAIN DEALER
published

17,182,536

lines of PAID ADVERTISING, being the only Cleveland newspaper to show an INCREASE over the previous year's similar record

TOTAL PAID ADVERTISING IN OTHER CLEVELAND NEWSPAPERS FOR 1922

PRESS	NEWS and Sunday News-Leader
12,785,808 lines. A LOSS of 1,057,784 lines from 1921.	12,290,460 lines. A LOSS of 958,958 lines from 1921.

Cleveland merchants again have united with National and Classified advertisers in a MASS DEMONSTRATION that

The Plain Dealer

is Cleveland's Greatest Salesman of ANY Priced Merchandise

J. B. WOODWARD
Times Bldg., New York

WOODWARD & KELLY
Security Building, Chicago
Fine Arts Bldg., Detroit

The Cleveland Newspaper Situation—d

The PRESS

Leads All Cleveland Daily Newspapers

THE PRESS is First in Cleveland. Not only is The Press first in local advertising, but in total paid advertising as well.

The following 1922 figures pertaining to the Cleveland Newspaper situation reveal the clear-cut and outstanding supremacy of The Press as the dominant medium of Cleveland. Below are six day figures.

Daily	Local Advertising Lines	Total Advertising Lines
The PRESS	**8,579,032**	**12,800,354**
Plain Dealer	**5,490,240**	**11,154,402**
The News	**6,815,200**	**9,327,094**

These statistics indicate that The Press carried 1,645,952 more lines of advertising than The Plain Dealer and 3,473,260 more than The News during 1922.

In local advertising alone, The Press carried 3,088,792 and 1,763,832 more lines than The Plain Dealer and The News respectively.

These figures point unmistakably to the fact that most advertisers prefer The Press.

ALLIED NEWSPAPERS, INC.
Publishers' Direct Representatives
New York Chicago Cincinnati San Francisco
St. Louis Atlanta Cleveland
Member Audit Bureau of Circulations

The Scripps-Howard Newspapers
Including the Scripps-McRae League

The CLEVELAND PRESS
DOMINATES GREATER CLEVELAND

1922
Repeats the Long-Time Advertising Leadership of The Chicago Daily News

1922 maintained The Daily News' traditional leadership among the daily newspapers of Chicago in both Display and Classified Advertising. Here are the figures:

Display Advertising

	Agate Lines	*Comparison*
The Daily News . . .	13,779,579	13,779,579
The Daily Tribune .	10,528,983	10,528,983
The American	8,065,866	
The Post	4,444,476	
The Journal	4,272,900	
The Daily Herald-Examiner	4,233,426	
The Daily News' excess over the next highest score, that of The Daily Tribune, is		3,250,596

The Daily News' year-in and year-out advertising leadership among the daily newspapers of Chicago bears convincing testimony to its pre-eminent power of service in every line of business in which general publicity is essential to success, whether it be a matter of personal service, general merchandising or investment.

The advertising record of 1922 confirms

THE DAILY NEWS
First in Chicago

has been increased by from promoters

of the total, for in numerous cases a claim is settled with the member direct, after Protective Association pressure is brought into play.

These, briefly, are a few of the functions of The Oklahoma Farmer-Stockman Protective Association.

The Association is a very real personal and active influence in financial and business circles in Oklahoma. It is a symbol of the sincerity of the publishers of The Oklahoma Farmer-Stockman; unquestionable evidence of the confidence existing between reader and editor.

The Oklahoma Farmer-Stockman is the *trusted* farm paper of Oklahoma.

Greatest Circulation—Lowest Rate

The OKLAHOMA FARMER-STOCKMAN

CARL WILLIAMS
Editor

Edgar T. Bell, Adv. Mgr. Oklahoma City, Okla.

THE OKLAHOMA PUBLISHING CO.
THE OKLAHOMAN & TIMES—RETAIL SELLING

E. KATZ SPECIAL ADVERTISING AGENCY
New York Chicago Kansas City Atlanta San Francisco

Tested—

and found worth while

REPEAT ORDERS IN ANY LINE OF BUSINESS TELL THE STORY

WITHIN its life, The Detroit Free Press has come to number among its friends a long line of advertisers whose campaigns find first place within its pages time and time again. In no classification is this more true than in automotive advertising.

For years the Free Press has universally been known as a permanently effective medium for advertising of this nature—effectiveness that is built upon the natural appeal of this newspaper to those who are and who always will be AUTOMOBILE BUYERS.

SHOW NUMBER JAN. 21st

An issue which will be replete with everything pertaining to the show and to automobiles. Too good an opportunity for the automotive advertiser to pass up.

Closing Date Jan. 18th

The Detroit Free Press

"Advertised by its Achievements"

VERREE & CONKLIN, Inc.
Foreign Representatives
New York Chicago Detroit San Francisco

Automotive Industries reaches weekly practically all of these men. In every active worthwhile plant engaged in producing automotive apparatus, from 1 to 5 copies of *Automotive Industries* is subscribed for regularly and routed through the plant among the various department executives. In most of the plants from 1 to 25 extra copies are subscribed for personally by these executives themselves—President, Engineers, Production Managers, Plant Superintendents, etc.

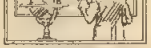
And the remarkable prestige of *Automotive Industries*, both at home and abroad, as the recognized authority of the Industry, lends considerable additional force to the value of its advertising pages.

THE CLASS JOURNAL COMPANY

New York, 1 Park Place; Chicago, Mallers Bldg.; Boston, 185 Devonshire St.; Philadelphia, Widener Bldg.; Cleveland, Guardian Bldg.; Detroit, 317 Fort St., West; Indianapolis, 1213 Merchants Bank Bldg.

Publishers of AUTOMOTIVE INDUSTRIES, MOTOR WORLD, MOTOR AGE, COMMERCIAL VEHICLE, EL AUTOMOVIL AMERICANO, MOTOR BOAT, DISTRIBUTION & WAREHOUSING, THE TIRE RATE BOOK

PRODUCTION



MARKETING

chandising, or Analysis of Markets and Methods of Marketing; Administration, or Industrial Economics, the Financial Aspects of Design, Production, and Sale.

News Is Detroit's Leader In Automotive Advertising

TO reach Detroit, the heart of the automotive industry, automotive advertisers have chosen The Detroit News first and foremost. Local automotive advertisers in particular, because they know the field best, have shown a marked preference for The News. As a result The Detroit News in 1922 published a grand total Daily and Sunday of 1,049,314 lines, a lead exceeding

60,000

Agate Lines

over its nearest competitor. The choice of The News as the automotive medium of the world's automotive center shows that Automotive advertisers realize that thorough coverage is as essential a sales force in their business as in any other.

Show Number, January 21

Practically every automobile owner reads The Detroit News. Its Automobile Show Number of Sunday, Jan. 21, will be Detroit's guide to the exhibits. With its great circulation of more than 240,000—greatest Sunday circulation in Michigan—it enables you to direct practically everyone interested to your exhibit. Reserve space in The Detroit News Show Number Now.

The Detroit News

Greatest Circulation Daily and Sunday in Michigan

"Always in the Lead"

News Is Detroit's Leader In Automotive Advertising

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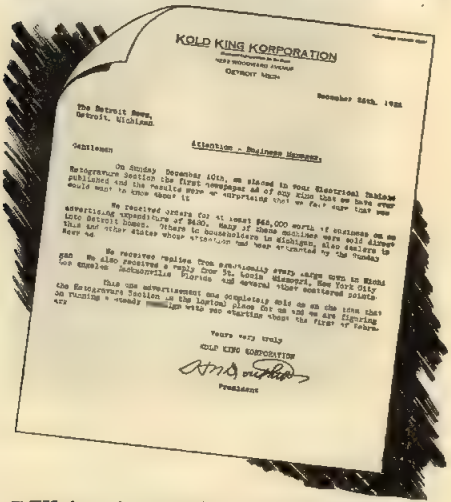
The Detroit News

Greatest Circulation Daily and Sunday in Michigan

"Always in the Lead"

Detroit News Roto Ad Pulls $45,000 Business



KOLD KING KORPORATION

DETROIT, MICH.

December 26th, 1922

The Detroit News,
Detroit, Michigan.

Attention - Business Manager.

Gentlemen:

On Sunday December 10th, we placed in your Electrical Edition Rotogravure Section the first newspaper ad of any kind that we have ever published and the results were so surprising that we feel sure that you would want to know about it.

We received orders for at least $45,000 worth of business on an investment expenditure of $430. Many of these machines were sold direct into Detroit homes. Others to householders in Michigan, also dealers in this and other states whose attention had been attracted by the Sunday News ad.

We received replies from substantially every large town in Michigan and we also received a reply from St. Louis Missouri, New York City and Jacksonville, Florida and several other scattered points.

This one advertisement and completely sold up on the item that the Rotogravure Section is the logical place for us and we are figuring on running a steady campaign with you starting about the first of February.

Yours very truly

KOLD KING KORPORATION

President

THIS letter is noteworthy because it emphasizes the superior attention-getting value of NEWS Rotogravure. Not only were scores of Detroit householders sold by this advertisement, but also dealers and private individuals in practically every large town in Michigan and some in other states.

THE NEWS was the first paper in Michigan to print a Rotogravure and since its inception has led in Rotogravure advertising. The Sunday News reaches at least 65,000 more Detroit homes than its nearest competitor. It has the greatest Sunday circulation in Detroit and Michigan.

The Detroit News

"Always in the Lead"

THE INCOMPARABLE GENIUS,
LEONARDO DA VINCI

EVERYONE knows Leonardo, the painter of "Mona Lisa" and "The Last Supper." The Mentor for January tells of Leonardo, the greatest genius in history, Master of Arts, Science, Philosophy, Mathematics, Literature, Music, and original invention. We think of the flying machine as a present-day example of inventive genius in America. Leonardo planned a flying machine in 1490—two years before America was discovered.

There are 100,000 students attending 46 Educational Institutions here

The Editor and Publisher says—"No other city enjoys the abundant resources from an educational standpoint that Washington offers."

The National Capital is a model American City—its citizenry is alive to the value of education—and spends liberally to give its juniors every possible advantage of elementary, scientific and technical learning of the highest type.

Washington will repay any effort made to introduce a product of merit. The Star is the ONE and ONLY medium necessary.

The Evening Star.

WITH SUNDAY MORNING EDITION

WASHINGTON, D. C.

Write us direct or through our

New York Office
Dan A. Carroll
150 Nassau Street

Paris Office
5 rue Lamartine

Chicago Office
J. E. Lutz
Tower Building

24 Million Lines of Advertising

DURING the year 1922 The Kansas City Star—morning, evening and Sunday—carried a total of more than 24 million agate lines of paid advertising—***a gain of nearly two million lines as compared with 1921.***

Analysis of the figures indicates that increases occurred in each of the three divisions—Local, Foreign and Classified.

The following table shows the volume of advertising carried in 1922 and 1921 expressed in agate lines:

	LOCAL	FOREIGN	CLASSIFIED	TOTAL
1922	13,073,670	3,972,691	7,274,388	24,320,749
1921	12,710,289	3,293,001	6,411,574	22,414,864
Gain	363,381	679,690	862,814	1,905,885

Circulation has also shown healthy increases. A gain of 18,000 copies daily as compared with a year ago brings the total daily output (morning and evening combined) to more than 460,000 copies each day.

The Kansas City Star

Circulation Morning and Evening Combined 460,000 COPIES

New York Office
15 East 40th St.

Chicago Office
1418 Century Bldg.

The Sun Leads All New York Evening Newspapers in Advertising Gains

DURING 1922 The Sun published 9,620,816 agate lines of advertising (32,069 columns)—an increase of 1,420,092 lines (4,734 columns) over the preceding year.

The Sun's gain was greater than the combined gain of the three other evening newspapers that increased in advertising.

The Sun's gain was 516,412 lines greater than that of the next evening newspaper.

For 10 consecutive months The Sun's gain has been larger than the gain of the next evening newspaper.

This record reflects the confidence of advertisers in The Sun—a confidence drawn from a consistently large and increasing volume of sales directly traceable to advertising in this newspaper.

The Sun

280 Broadway **New York City**

MYSTIC DIGITS

One, nine and three were sacred figures thousands of years ago. For our purpose we have added a bunch of characters represented by 0. For instance take this combination

1 9 0 0 0 0 0 0

sacred to the temple of lineage and truth in advertising—our volume for 1922 (some sacred 1 and 9).

But the mystic digit three holds attention here for the gain was

3 0 0 0 0 0 0

lines, an inspiring figure surely.

No doubt the gods favored us in 1922 because the Sunday circulation increased to

3 0 0 0 0 0 0

which on the average of three readers in each family gives

1 0 0 0 0 0 0

Customers—each with wants and the money to pay for them

Los Angeles Examiner

Broadway at Eleventh Street, Los Angeles.

OFFICES:

1819 Broadway, New York
Telephone, Col. 8343

915 Hearst Building, Chicago
Telephone, Main 5000

560 Monadnock Building, San Francisco
Telephone, Garfield 3858

Try It Out in Representative Milwaukee

Millions for Motorcars

Millions of dollars will be spent in the Milwaukee-Wisconsin Market for automobiles in 1923. It is estimated that next year's sales will reach 50,000 cars in this territory.

Most of these millions will be spent by readers of The Milwaukee Journal. The motoring public in Wisconsin have been sold by The Journal's progressive editorial policy during the years of growth in the automotive industry.

The Journal is not only read daily in 4 out of every 5 English-reading homes in Milwaukee, but it is read by more Milwaukee and Wisconsin people than any other publication in the world.

The Journal—"The Motorist's Newspaper"

Leads In Automotive Advertising

For the first 11 months of 1922 the score is as follows:

The Milwaukee Journal	971,006 Lines
The other three Milwaukee papers combined	886,447 Lines

The figures tell the story—merit wins!

Make your reservations for The Journal's Annual Auto Show Edition, Sunday, January 21. The biggest and best edition of its kind!

The Milwaukee Journal

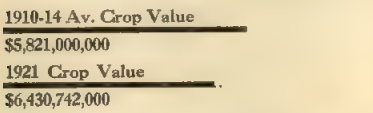
FIRST—by Merit

"As Milwaukee Buys—The Nation Buys!"

The 1923 Farmer

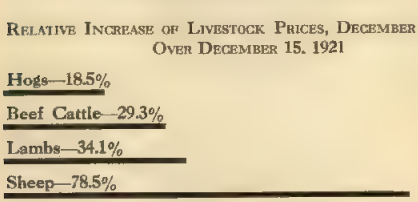
HERE is a Graph of real significance. It indicates the increased buying power of rural America.

VALUE 1922 CROPS COMPARED WITH 1921 AND FIVE-YEAR PRE-WAR AVERAGE



1922 Crop Production exceeded 1921 in value by 32.1% and the five-year pre-war average by 45.8%.

RELATIVE INCREASE OF LIVESTOCK PRICES, DECEMBER 15, 1922, OVER DECEMBER 15, 1921



The farmer's total buying power today is at least 40% greater than in 1921.

Circulation 1,593,160

Arthur Capper PUBLISHER
TOPEKA, KANSAS

THE CAPPER
Sections—Capper's Farmer - Oklahoma Farmer
Kansas Farmer and Mail and Breeze

MANY western men still wear Buffalo skin great coats, but where Bison once freely roamed there now browse great herds of thoroughbred cattle.

And Portland with its population of more than 300,000 people has come to be the Far West's largest livestock market and packing center.

Share in the millions of dollars this industry alone pours each year into trade channels. Write today for data — and advertise in the

Oregon Journal

PORTLAND, OREGON.

Eastern and Coast Representatives

BENJAMIN & KENTNOR
900 Mallers Bldg., Chicago
220 Fifth Ave., New York

M. C. MOGENSEN & CO.
Examiner Bldg., San Francisco
Title Insurance Bldg., Los Angeles
Securities Bldg., Seattle, Wash.

OREGON'S
Largest Afternoon Newspaper

Another Gain in 1922

THE PITTSBURGH PRESS

Carried a Total Volume of Advertising Last Year of Nearly

22 MILLION AGATE LINES

(Exact Measurement 21,995,638 Lines)

A Substantial Gain Over 1921

During 1922 THE PRESS Carried

1,042,398 Agate Lines **Automotive Advertising**

Being nearly 50 per cent greater than the automotive advertising carried by the next highest competitor and almost equal to next two highest combined—

During the year THE PITTSBURGH SUNDAY PRESS carried a greater total volume of advertising than the next two highest Pittsburgh Sunday papers combined—

FIRST

In Advertising Volume
In Every Department of Advertising
In Classified Advertising
In Volume of Color Advertising
IN EVERYTHING

GREATEST CIRCULATION

Daily Now More Than	Sunday Now More Than
160,000	210,000

THE PITTSBURGH PRESS

Pittsburgh's Greatest Daily and Sunday Newspaper

OLIVER S. HERSHMAN, President-Editor H. C. MILHOLLAND, V. Pres.-Adv. Mgr.

New York—I. A. Klein, 50 E. 42nd St. Chicago—I. A. Klein, 76 W. Monroe St.
San Francisco—A. J. Norris Hill, Hearst Bldg.

How "Bo" McMillin

Awoke Shreveport's Football Fighting Spirit

When "Bo" McMillin, famous all-American quarter of the "Praying Colonels," came to Shreveport last fall as coach at Centenary College, at a five-figure salary, he found:

A student enrollment of some five hundred that had never produced a winning eleven.

A complete lack of football spirit among the people of the city.

Maximum attendance of 500 at games played in the city the previous year.

From out of the material the college afforded, McMillin moulded a team that finished the season as Collegiate Champions of the State; that lost but one game during the season; and that, through its brilliant and successful playing, converted Shreveport from a lukewarm 500-fan city into a fighting, behind-the-team-every-inch-of-the-way mass of rooters that clicked the turnstiles for a total of 7,200 on Thanksgiving Day.

Shreveport is a sport-loving city. It has long been known for its large baseball attendances in the Texas League; it is prominent in golf; enthusiastic about hunting; fond of competitive events of every kind. Football was the only sport it treated with indifference. McMillin changed that.

As a market for all goods sold to sportsmen, Shreveport stands high in point of buyer-responsiveness. Through the sporting pages of The Shreveport Times, the followers of every branch of play are thoroughly covered.

The Shreveport Times

Published Every Morning in the Year

ROBT. EWING, Publisher JOHN D. EWING, Asso. Publisher

S. C. BECKWITH SPECIAL AGENCY, *New York Representatives*

JOHN N. BRANHAM COMPANY, *Chicago Representatives*

Buying Power

THE following members of the office of Rouse & Goldstone are readers of the text and of the advertisements in ARCHITECTURE. They are the men who have the "yes" or the "no" to say to a building product.

Name	*Do you read the text?*	*Do you read the advertisements?*
L. A. GOLDSTONE	Yes	Yes
W. L. ROUSE	"	"
RICHARD LAMB, Outside Supt.	"	"
H. LAU, Specification Writer	"	"
H. J. KERRIGAN, Draftsman	"	"
S. T. VOLK,	"	"
JOHN DEROCCO,	"	"
W. E. HADLER,	"	"
PAUL LUBROTH,	"	"
GEORGE L. SCHEFFLER,	"	"
W. M. SCHWAB,	"	"
S. BAUM, Junior draftsman	"	"

Published by CHARLES SCRIBNER'S SONS
597 Fifth Avenue, New York *320 East 21st Street, Chicago*
447 Tremont Building, Boston

AGAIN
SIOUX CITY
IS

First in Iowa

138% Increase in Bank Transactions

Bank Transactions in Sioux City for the week ending December 20 were 138% larger than the corresponding period in 1921.

Week ending Dec. 21, 1921..$6,806,000
Week ending Dec. 20, 1922..16,230,000

Increase.....$9,424,000

Figures released by the Federal Reserve Board show the remarkable recovery in Sioux City's Trade Territory and also that such recovery has been more marked here than in any other Iowa or Middle Western City.

Sioux City Is Your BEST Iowa Market

Ask our Merchandising Department for further information and co-operation

The Sioux City Tribune

"68 Per Cent More Evening Circulation"

WILLIAMS, LAWRENCE & CRESMER COMPANY
Representatives
NEW YORK CHICAGO SAN FRANCISCO LOS ANGELES

In Sioux City—It's the Territory

Chieftain Bond

Around the world in ninety days! The output of the CHIEFTAIN BOND grade, if made in a strip of letterhead width, would circle the globe four times a year.

CHIEFTAIN wins by pleasing everyone. It satisfies those who buy on price as thoroughly as those who demand looks, printability, service.

CHIEFTAIN BOND offers an exceptional opportunity to paper users in its unusually large selection of colors, with fourteen different tints in addition to white.

Whatever color is right for the appeal you wish to make may be found in CHIEFTAIN BOND. The economy and versatility of this paper enables widest possible application of this correct color to the sales appeal.

Note the Tear and Wear as Well as the Test

NEENAH QUALITY 1872 1915

NEENAH
PAPER COMPANY
Neenah, Wisconsin

Makers of OLD COUNCIL TREE BOND, SUCCESS BOND, CHIEFTAIN BOND, NEENAH BOND, WISDOM BOND, GLACIER BOND, STONEWALL LINEN LEDGER, RESOLUTE LEDGER, PRENTICE LEDGER

Write for complete free sample outfit, including full sheets of Neenah bonds and ledgers for testing purposes

The Globe.

TORONTO

Member Audit Bureau of Circulations

announces
the appointment of

Lorenzen & Thompson, Inc.

New York, Chicago, Detroit,
St. Louis, San Francisco
Los Angeles

as Special Representatives
in U.S.A.
as from January 1st
1923

Net paid Circulation over 100,000 Daily

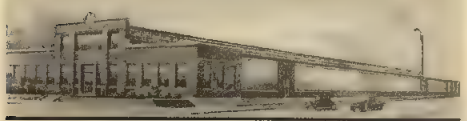
Haddon Press
INCORPORATED
Where Federal crosses Nineteenth Street
CAMDEN NEW JERSEY

OUR Daylight Plant equipped with all modern facilities, including Web and Perfecting Presses, complete Pamphlet and Case Binding Machines, a large battery of Linotype and Monotype Machines, with Unexcelled Shipping Facilities, make us a logical consideration when you are in the market. We maintain no selling organization but a competent and practical representative will call at your request.

It will pay you to get in touch with us before closing any large contracts for Printing, Binding or Bronzing.

The most completely equipped Daylight plant for large edition printing and binding.

MUSIC TYPOGRAPHY IN ALL ITS BRANCHES



The Radio Medium in Canada is The Toronto Daily Star

THE STAR was the first newspaper in Canada to erect a 2 kilowatt station---as powerful a wireless apparatus as the Government sanctions.

Every day, including Sunday, The Star broadcasts a consistently high-class programme, and has an orchestra exclusively for radio. The Station Call is C. F. C. A., operating on a wave length of 400 metres.

These concerts are enthusiastically listened to as far north as the outposts of civilization; as far west as Alberta and Montana; as far south as the Gulf of Mexico, and as far east as the Atlantic seaboard. They are heard in 32 States and 8 out of 9 Provinces in the Dominion.

The Star is now also using radio in special cases for the gathering of news.

In the city of Toronto alone over 6,000 families have receiving sets. There are many thousands more throughout Ontario, the field covered by The Star. In Eastern Canada when one thinks of Radio one instinctively thinks of The Star---Radio Headquarters.

The Star is unquestionably the best advertising medium for radio dealers. Every day a feature page is devoted to Radio News.

The Daily Star's circulation averaged over 120,000 copies per day during December, and The Star Weekly (Sunday edition) over 146,000---each the largest newspaper circulation in its field.

UNITED STATES REPRESENTATIVES: CHAS. H. EDDY CO.

New York Fifth Avenue Building | Boston Old South Building | Chicago People's Gas Building

MONTREAL Representative---J. B. Rathbone, Transportation Building

Resolved

THAT *we shall go on striving to make each Client pensively wish that his wares were quite on a parity with our own Typographic Idealization of them*

PHILLIPS & WIENES
INCORPORATED
Typographers Who Prove It With Proofs
314 East Twenty-third Street
New York

"TYPE FACES WITH EXPRESSION"—A broadside, 24x38", showing a comprehensive list of type faces now in use by the *Typographers Who Prove It With Proofs*. A request on your letter-head will bring your copy

Prices on Application

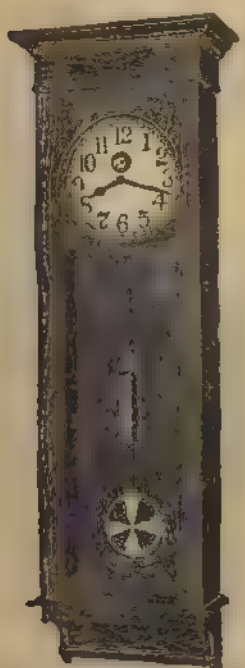
NEW HAVEN REGULATOR CLOCKS

REGULATOR, height 32¾ in., width 17⅞ in., dial 12 in., oak or mahogany case.

No. P1360—8 day timepiece, each $18.85

No. P1361—8 day strike, each $21.00

ONE IN A CASE. W'T 35 LBS



No. P1389—Stanton, height 64 in., width 21 in., dial 12 in., solid oak or mahogany case, 8 day time piece, weight movement with retaining power, w't 100 lbs., each $110.00

ONE IN A CASE

No. P1407—Welton, height 23½ in., width 7⅞ in., 5 in. porcelain dial, solid mahogany case, 8-day time pendulum movement ..each $34.80

ONE IN A CASE. W'T 25 LBS

WILLIS, height 17⅞ in., width 5 in., solid mahogany case with cast metal side ornaments and decorated glass panels, dial 3½ in., porcelain with beveled glass.

No. P1367—8 day lever timepiece, each $21.75

ONE IN A CASE. W'T 15 LBS.

SATURN, height 34¾ in., width 15½ in., dial 12 in., solid antique oak case.

No. P1368—30 day time, each $32.60

No. P1369—8 day time weight, each $41.25

ONE IN A CASE. W'T 40 LBS.

MIRADA, height 28¾ in., width 12 in., silver finish, 8 in. dial, mahogany finish.

No. P1370—8 day strike, cathedral gong .....each $29.00

ONE IN A CASE. W'T 20 LBS

Prices on Application

NEW HAVEN CLOCKS

WOOD LEVER, 8 day, time only, solid oak or mahogany finish case.

No. P1334— 6 in. dial, w't 9 lbs., each $10.90

No. P1335—8 in. dial, w't 12 lbs., each $12.65

No. P1336—10 in. dial, w't 14 lbs., each $13.75

ONE IN A CASE

BALCONY, 12 in. dial, height 15 in., width 15 in., 8 day time, oak or mahogany finish, w't 16 lbs.

No. P1396—Each $16.75

BALCONY, 14 in. dial, height 19 in., width 19 in., 14 in. dial, 8 day time, oak or mahogany finish, w't 31 lbs.

No. P1397—Each $19.60

ONE IN A CASE

DROP OCTAGON, height 23¾ in., width 16½ in., 12 in. dial, solid oak case.

No. P1351—8 day timepiece, each $13.15

No. P1352—8 day strike, each $14.55

ONE IN A CASE. W'T 21 LBS.

ERIE, height 33½ in., width 18½ in., 12 in. dial, solid oak case, antique finish.

No. P1354—8 day timepiece, each $16.00

No. P1355—8 day strike, cathedral each $18.20

ONE IN A CASE. W'T 34 LBS.

GALLERY, diameter of case 21½ in., dial 14 in., solid oak or walnut case.

No. P1341—8 day time, each $32.00

ONE IN A CASE, W'T 36 LBS.

GALLERY, 12 in., height 16 in., width 16 in., 12 in. dial, 8 day time, oak mahogany finish, w't 16 lbs.,

No. P1393—Each $16.75

ONE IN A CASE

OUR VERY BEST

Our Very Best
Is
The Very Best

New Haven Nickel Watches, Pedometers and Games

The Motor
Plain Dial
No. 1735 Price each.....$1.90

THE MOTOR

Open Face 16 Size
Stem Wind and Stem Set

An all-round serviceable Watch that will stand considerable hard usage

The case is finished in Nickel Gilt or Gun Metal and can be furnished with plain or fancy back

Has sunk second dial and heavy beveled glass Snap back and bezel

The Motor
With Radium Dial
No. 1736 Price each.....$2.20

The demand for "Radium Dial" Watches is constantly increasing, and considering the extra service they give they are easily worth the slight additional cost over the plain dial watch

ONE HUNDRED MILE PEDOMETER

Exact Size

The case is nickel finished and highly polished, and in general appearance resembles a gentleman's small sized watch. The dial is very similar to that of a watch the figures 1, 2, 3, 4, 5, etc., represent miles, the space between each number being divided into ¼, ½ or ¾ of a mile

The movement too is like a watch the pendulum within swings to the rhythm of the stride, ticking off the steps as a watch ticks off the seconds, and the hand points out the miles walked. The hand can be set backward or forward as desired by simply removing back of case, and turning set screw

No. 1741 Price each..... $3.10

GUARANTEED WATCHES FOR EVERYBODY

The New Haven
Plain Dial
No. 1737 Price each..... $2.02

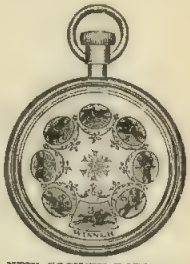
THE NEW HAVEN

New model, non-jeweled watch. It has a "pull-out" stem set The entire movement with dial and hands can be removed from case by taking out three screws under the bezel. The main spring can be removed without disturbing the balance of the movement.

16 Size. Thin Model

Has sunk second dial and heavy beveled glass. Snap back and bezel

The New Haven
Radium Dial
No. 1738 Price each..... $3.30



THE NEW SOCIETY PARLOR GAME

Interesting, Fascinating

You can spend an enjoyable evening at home and entertain your friends

No. 1742 Price each..... $3.72

The Elite
Plain Dial
No. 1738 Price each..... $4.04

THE ELITH

Open Face 12 Size
Stem Wind and Stem Set

A watch any one should be proud to wear

The case is an extra thin model of handsome design and is made of Nickel Silver, nicely finished in Nickel Gilt or Gun Metal, and can be furnished with either plain or fancy back

Has antique pendant with gilt crown, sunk second dial and heavy beveled glass. Snap back and bezel

The Elite
With Radium Dial
No. 1740 Price each..... $5.00

POCKET ROULETTE

New society game, polished nickel plated case, with watch crown and bow, made in same style as 16 size watch open face, dial depressed around the center, with dents opposite each figure or number to mixers run from 0 upwards and are printed on colored panels, small steel pin stops in dent opposite the winner dial is set spinning by pressure of crown revolves very rapidly A fine pocket roulette

No. 1743 Price each..... $3.72

NEW HAVEN CLOCKS

Prices on Application

No. P1402—Julian, height 21 in., width 7½ in., 6 in. silver dial, 8-day hour and half hour cathedral gong strike, mahogany finished case, w't 25 lbs. .....each *$26.10*

ONE IN A CASE

WARING, height 38 in., width 11½ in., 8 in. silver finish dial, decorated glass panels, mahogany finished case, w't 26 lbs.

No. P1390—8 day time, each *$27.50*

No. P1391—8 day gong strike, each *$29.70*

ONE IN A CASE

No. P1403—Marino, height 26 in., width 11 in., 8 in. silver dial, beveled plate glass, 8 day hour and half hour cathedral gong strike, mahogany finished case, w't 29 lbs., each *$26.85*

ONE IN A CASE

REFEREE, height 35½ in., width 16 in., 12 in. dial, solid oak case.

No. P1357—8 day timepiece, each *$15.00*

No. P1358—8 day strike, gong, each *$18.20*

ONE IN A CASE. W'T 40 LBS.

Height 42 in., width 16½ in., 12 in. dial, mahogany finish or oak case, w't 44 lbs.

No. P3043—8 day time, each *$21.00*

No. P3043½—8 day, gong strike, each *$23.20*

ONE IN A CASE

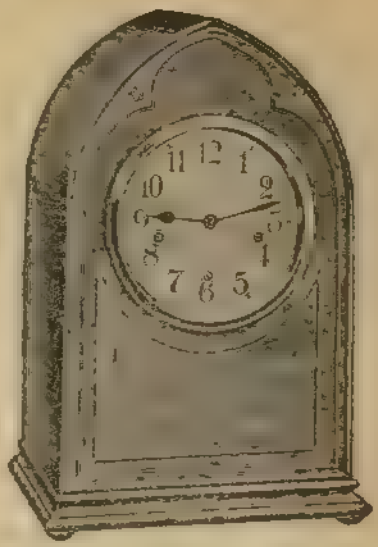
Hibbard
HARDWARE for HARD WEAR

Prices on Application

CHIME MANTEL CLOCKS

No. P1405—Ingomar chime, height 10 in., width 20½ in., 7 in. silver dial, cast sash, beveled glass, solid mahogany case, chimes the hour, quarter, half and three-quarter hour on rod chimes, w't 35 lbs. ....each $90.00

ONE IN A CASE



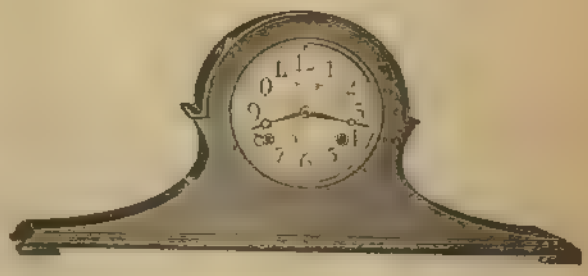
No. P1406—Inglewood chime, height 12½ in., width 9½ in., 7 in. silver dial, cast sash, beveled glass, solid mahogany case, chimes the hour, quarter, half and three-quarter hour on rod chimes, w't 35 lbs., each $72.00

ONE IN A CASE

NEW HAVEN SOLID MAHOGANY MANTEL CLOCKS

No. P20—Tambour, height 9¼ in., width 20½ in., 6 in. silver dial, beveled glass cast sash, solid mahogany case, 8 day, hour and half hour cathedral gong strike, w't 27 lbs. .....each $36.25

ONE IN A CASE



No. P19—Tambour, height 8¼ in., width 19¼ in., 6 in. silver dial, beveled glass cast sash, solid mahogany case, 8 day, hour and half hour cathedral gong strike, w't 27 lbs. ....each $36.25

ONE IN A CASE

SCROLL SAWS

NEW ROGERS, japanned iron frame, striped in red and gold, japanned tilting-table, selected ash arms and Pitman, steel arbors, carefully fitted to bearings, 4½ in. iron balance wheel, with drilling attachment, improved saw clamps, height of table 32 in. The swing around the table under the arms is 34 in., complete with 1 dozen 5-in. bracket saw blades, wrench, sheet of designs and drill points, w't 25 lbs., boxed for shipment 42 lbs.

No. T390—With Emery flywheel, each $20.00

ONE IN A BOX, SHIPPED KNOCKED DOWN

For carpenters and builders, cabinet makers and other wood workers. Will saw pine 2 in. thick, 1 ft. per minute; 1 in. thick, 4 ft. per minute.

The swing around the blade under the arm is 24 in.

No. F7—Cast iron frame, hard maple table and arms, balance wheel runs on steel arbor, 7 in. blade, complete with 1 dozen saw blades, w't 55 lbs., boxed for shipment 80 lbs., each★ $66.50

ONE IN A BOX, SHIPPED KNOCKED DOWN

VELOCIPEDE SCROLL SAWS

Cast iron frame, hard maple table and arms, balance and drive wheels run on steel arbors, 7 in. blade, with one dozen blades, w't 90 lbs., boxed for shipment 130 lbs.

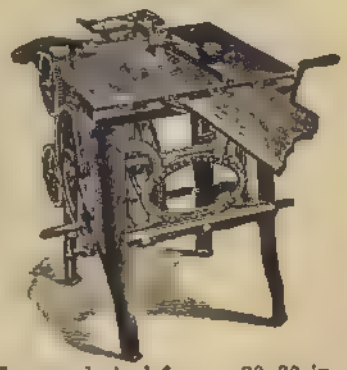
No. F2—Without boring attachment, each★ $76.00

No. F2B—With boring attachment, including one 3/16 in. bit, each★ $85.50

Swing around blade under arm is 24 in. Boring attachment can be furnished at any time. We furnish extra bits at following prices, each: 1/16, 15c.; 3/32, 15c.; 1/8, 20c.; 5/32, 20c.; 3/16, 25c.; 7/32, 30c.; 1/4, 35c.

ONE IN A BOX, SHIPPED KNOCKED DOWN

CIRCULAR SAWS



Iron and steel frame, 30x30 in. iron table, complete with self-feed, two 10 in. circular saws—1 each rip and cross-cut, w't 400 lbs., crated 480 lbs.

Hand and foot power for hard or soft, thick or thin lumber. Can be used as a cross-cut saw. Self-feed mechanism can be instantly thrown back to rear of machine, also rip gauge, leaving table perfectly clear for cut-off work. Can be used for rabbeting and grooving. The self-feed can be used for grooving and rabbeting as well as when the machine is used for ripping. Cutter heads are also used for graining and dadoing and with knives of suitable width for joining

No. F4—For Foot Power, each★ $285.00

No. F5—With countershafts, for steam instead of foot power, each★ $285.00

LATHE AND SCROLL SAW

This lathe and scroll saw is intended for amateur work and is an efficient machine for this purpose.

Lathe has 5 in. swing, 14 in. between centers, two grooves drive wheel cone pulley permit change of speed.

Head has 2 in. face plate and spur center and screw center for turning cups. Tail stock has screw feed and can be clamped at any point.

Equipped with drill spindle with 3 jaws chuck, capacity 0-½ in. round shank drills. Short tool rests, emery wheel 4x2 in., fine turning tools wrench and drill points.

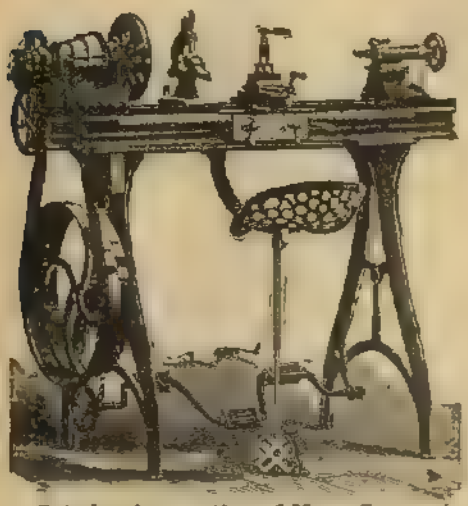
No. T317—Lathe only, w't 71 lbs., each $26.50

No. T321—Lathe with feet and circular saw attachment, w't 81 lbs., each $34.00

ONE IN A BOX, SHIPPED KNOCKED DOWN

★ Items Marked Thus ★ Are Shipped From Factory Only.

LATHES



Cut showing portion of No. 6 Screw Cutting Engine Lathe.

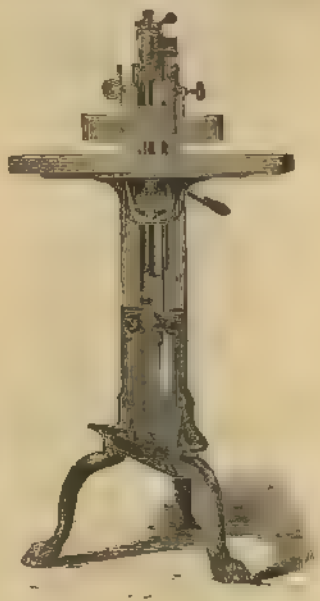
Barnes all iron and steel, velocipede foot power.

Swings 11 in. on the face plate, 6½ in. over the tool carriage, and is 34 in. between centers. Back-gearing and cone pulleys give great range of speed. Head stock has a steel spindle with 1 5/32 in. hole through its entire length. Tail stock can be readily set at any desired point, and can be taken off altogether, leaving it free for face plate or chuck work. It can also be set over for turning tapers. Spindles of both head and tail stocks are of steel, with positively true taper holes for the reception of the centers. Tail stock center is self-discharging. Tool carriage is gibbed to the bed. The tool can be set to the work at any position or angle desired; also to bore a taper hole. All the works are securely protected from chips and dirt. As a right or left screw cutting lathe it is simply perfect. All the gearing is cut from solid metal in the best machinery known for gear cutting, and is as true and noiseless as it is possible for metal gearing to be. Weight 385 lbs., boxed ready for shipment, 500 lbs.

No. F5—Lathe, complete, each★ $313 50

ONE IN A CRATE

FOOT POWER MORTISERS



Has great range for work, power on the chisel, accuracy in its action, and has all the required adjustments, which are easily and quickly made. Has abundant strength, is durable, and occupies but little space. Except for the supplementary table and treadle, the machine is made entirely of iron and steel.

No. F9—Foot power mortisers, without chisels, w't 135 lbs.; boxed 170 lbs.★ .....each $95.00

No. F10—Self-cleaning mortising chisel, sizes ¼, 5/16, ⅜, 7/16, ½, 9/16, ⅝, ¾, ⅞ and 1 in.★ .....each $4.50

ONE IN A CRATE

GRINDER WHEEL DRESSERS

No. 15—Huntington, for truing, shaping and removing glaze from solid emery wheels while running at full speed, w't per doz. 22 lbs., per dozen $9.80

No. 25—Extra Cutters, w't per doz. sets 1 lb. .....per dozen $0.09

ONE IN A BOX

HIBBARD GRAIN EMERY

Fine. Medium. Coarse.

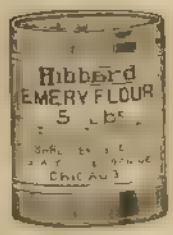
Made from the highest quality ores, throughly washed and evenly graded. Sizes 36, 46, 60, 80, 90, 100, 120 and 150.

Per Lb.

5 lb. Cans .....per pound **$0.10**

WE DO NOT BREAK PACKAGES

HIBBARD EMERY FLOUR



Highest quality, smooth and long-lived.

5 lb. Cans .....per pound **$0.10**

WE DO NOT BREAK PACKAGES

Carry a line of goods upon which you can rely.

The dealer who carries H. S. B. & Co. Brands marks his store as a place where the better goods are sold.

A house with over sixty-eight years' experience stands back of our brands.

★ Items Marked Thus ★ Are Shipped From Factory Only.

AUTOMOBILE WRENCHES

STERLING

Has Curved End for Use as Tire Lever. Length, 9½ inches; opens 1⅞ inch; thickness of jaws, 1⅛ inch.

Per Dozen

No. 114—Mottled ..... $15.00 --- ---

Weight, per dozen, about 13¾ pounds

"NATIONAL"

Special Forged Main Jaw and Solid Movable Jaw, Both of Highest Grade Material and Workmanship. Curved End Adapted for Use as a Tire Lever. Length over all, 11½ inches; opens 2⅜ inches; thickness of jaws, $\frac{7}{16}$ inch; depth of jaws, $1\frac{7}{8}$ inch

Per Dozen

No. 186—Mottled ..... $22.00 --- ---

Weight, each, about 26 ounces.

MOTORCYCLE SADDLE

NEW TROXEL

Without Nose Coil and with the New "No Bump Spring Action" that Will Not Hit Bottom. Supplied as Regular Equipment on All Motorcycles.

Each

No. 1 ..... $10.00 --- ---

Loose

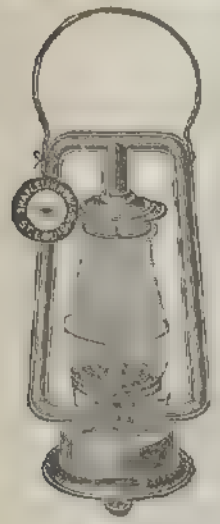
LANTERNS

*NORLEIGH DIAMOND

TRADE MARK REGISTERED IN THE U.S. PAT. OFFICE

HOT BLAST

Heavy IX AA Quality Redipped Tin; Handsome Design; Best Workmanship; No Raw Edges; New Idea Finishes; Plain Bail Handle, New Idea Big Mouth Oil Hole; New Idea Standing Bail; New Idea Side Lift, Simple and Effective; Double Seamed Bottom, Spun on; Will Not Leak; Fitted with Selected Globes.



CONTRACTORS

Provided With Two Thief Proof Lugs Which Allow Lanterns to Be Securely Nailed, Chained or Locked Down.

Heavy Reinforced Steel Burner; Tinned and Retinned and Lacquered; No. 0 with ⅝ inch Wick Inserted; Tubular Gedes No. 0 Large Mouth Oil Hole, Standing Plain Wire Bails.

Bodies Made of Heavy IX AA Quality Redipped Tin; Red Enameled.

With Red Globe

Per Dozen

No. 75CR—Oil Capacity Sufficient for 22 Hours Use. Height with Bail Down, 13 inches; Diameter of Base, 5¾ inches Weight per Dozen, 36 lbs. **$23 50**

One Dozen in a Case

RAILROAD LANTERNS

*NORLEIGH DIAMOND

TRADE MARK REGISTERED IN THE U.S. PAT. OFFICE

Burn Signal Oil

These Lanterns Are Made for Extreme Severe Usage. They Are the Best Railroad Lanterns Made.

Cut Shows Top of Dome of the Norleigh Diamond Railroad Lanterns.

Double Up and Down Wires

Heavy IX AA Quality Redipped Charcoal Tin Ventilated Hinged Top, Double Guard With Double Up and Down Wires, Bayonet Catch; Brass Burner With ⅝ inch Wick Inserted; Wick Raiser Inside of Globe; No. 39 Clear Glass Railroad Globe; Oil Capacity Sufficient for 21 Hours Use; Height With Bail Down, 10½ inches; Diameter of Base, 6¾ inches; 8 inch Bail Attached to Wire Guard.

Per Dozen

No. 39—With Flanged Tin Base; Weight per Dozen 45 lbs **$33 60**

One Dozen in a Case

Double Up and Down Wires

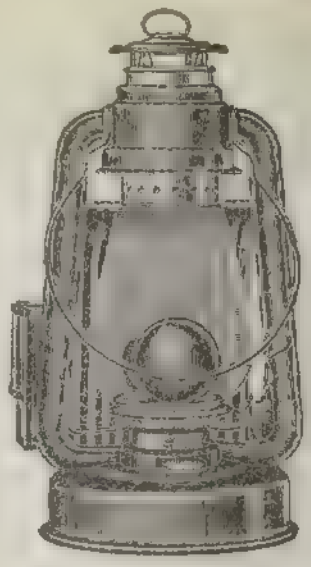
Heavy IX AA Quality Redipped Charcoal Tin, Ventilated Hinged Top; Double Guard With Double Up and Down Wires; Bayonet Catch; Brass Burner With ⅝ inch Wick Inserted; Wick Raiser Inside of Globe; No. 39 Clear Glass Railroad Globe; Oil Capacity Sufficient for 24 Hours Use; Height With Bail Down, 10½ inches; Diameter of Base, 6¾ inches; 8 inch Bail Attached to Wire Guard.

Per Dozen

No. 99—With Open Wire Base; Weight per Dozen, 45 lbs. **$33.60**

One Dozen in a Case

VEHICLE LANTERNS



*NORLEIGH DIAMOND

TRADE MARK REGISTERED IN THE U.S. PAT. OFFICE

SIGNALITE COLD BLAST

Designed Especially for Business Vehicles; Shows a Clear White Light in Front and a Red Warning in the Rear to Fulfill the Legal Requirements of All States Pertaining to the Carrying of Lights on Horse-Drawn Vehicles at Night, Lantern 12 inches High, Made of IX AA Tin Plate; Black Enameled; Fitted With No. 1 Cold Blast Burner for ⅝ inch "A" Wick Cold Blast Globe. Fount Holds Oil to Burn 14 to 16 Hours; Produces 10 Candle Power Light Which is Magnified to an Extreme Degree by the Powerful Bulls Eye Lens and Globe; Highly Polished Corrugated Reflector With a 2 inch Ruby Lens Framed in its Center.

Each Lamp Furnished Complete With Strong Metal Brackets; Weight per Dozen, 60 lbs.

Per Dozen

No. SL—Left Side **$37.50**

One in a Box

CAR INSPECTORS LANTERNS

*NORLEIGH DIAMOND

TRADE MARK REGISTERED IN THE U.S. PAT. OFFICE

With Coal Oil Burner, But Will Burn Signal Oil.

Heavy IX AA Quality Redipped Charcoal Tin, No. 1 Long Cone Brass Burner With ⅝ inch Wick Inserted; Bright **Tin Hood;** 9 inches Diameter, 6 inches Deep With 5 inch **Silvered Glass Reflector;** No. 0 Clear Glass Globe.

Per Dozen

No. C—Height 15 inches; Diameter of Base, 7 inches, Heavy Wire Bail, 5 inches High, Heavy Tin Bossed Handle; Oil Capacity Sufficient for 20 Hours Use; Weight per Dozen, 64 lbs. **$48 00**

Half Dozen in a Case

No. R—Extra Silvered Glass Reflectors: 5 inches For No. C Lanterns; Weight per Dozen, 5 lbs. **$9 50**

Half Dozen in a Box

LANTERNS

DIETZ

WAGON

Long Globe; Cold Blast

Black Enamel Finish, Fitted With Junior Globe; Lantern is Made for Both Right and Left Hand and Are Generally Sold in Pairs; It Shows a 2½ inch Danger Signal to the Rear and Complies with All Night Driving Laws. Packed With Style E Flat Brackets and Magnifying Bull's Eye Lens; 201 Burners; ⅝ inch Wick.

Per Dozen

No. Junior Wagon — Oil Capacity Sufficient for 13 Hours Use; Height Over All, 12 inches; Weight per Dozen, 60 lbs.; Specify for Right or Left Hand **$44 00**

Half Dozen in a Case

GASOLINE LANTERNS

COLEMAN

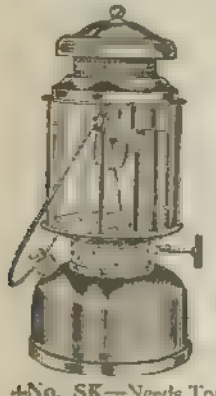
These Lanterns Make Their Own Gas from Gasoline; Use Two Mantles and Give 300 Candle Power of Bright, White Light at a Cost of 1 Cent per Night

They are Safe in Any Position. No Danger if Upset. Tested to 200 lbs.; Operate at 15 lbs. Pressure. They Are Clean, No Greasy Wick, No Dirty Chimney. Made of Brass Heavily Nickel Plated.

Lights With a Match Through a Door in the Reflector, Which Forms a Part of the Chimney. It Will Burn 12 Hours on One Filling, and it Will Burn in Any Wind. Register Made

Each

No. QL327—Height, 14 inches; Complete with Mantles, Extra Wrench, Cleaning Pick and Extra Generator; Weight [illegible] lbs $11 50
One in a Carton



NU-LITE
"STORM KING"

This is a High Grade Gasoline Lantern; Costs One Quarter of a Cent per Hour to Operate; Burns Fifteen Hours on One Filling; it Can Be Used as a Lantern or a Lamp. It is Made to Burn in Any Wind; It Will Not Explode if Upset in Any Way; It Is Storm, Rain, Wind and Bug Proof. It Will Burn Just as Well in Winter as in Summer. 500 Candle Power; Packed Complete.

Each

+No. SK—Needs Torch to Light; Height 13 inches, Weight, 5 lbs $11 50
One in a Carton

This Lantern is the Best Made. It Is Unaffected by High Wind and Can be Carried Through the Severest Storm; Has a Match Lighting Burner; 400 Candle Power; Capacity, 1 quart Gasoline; Burns 12 to 14 Hours on One Filling.

Each

+No. 2M—Height, 15 inches; Complete with Wrench, Pump, Tip Cleaner, Rubber Washer and Instructions, Weight Each, 3½ lbs. $11 50
One in a Carton

ACETYLENE LANTERNS

JUSTRITE
AUTOMATIC GENERATOR

Gives a 20 Candle Power Light, Burns 5 to 6 Hours With 4 ounces of Carbide. Lenses Can be Had in Various Colors. Can be Turned Higher Than Lower Than as Desired. Made of Brass Throughout, Nickel Plated and Highly Polished. No Complicated Parts to Get Out of Order and Very Easy to Operate.

Suitable for Mine Superintendents, Inspectors, Mining Engineers, Watchmen, Timekeepers, Sportsmen Camplight and for the Automobile.

Per Dozen

+No. 2—Height, 12 inches; Weight per Dozen, 18 lbs. $105 60
One in a Box

Items Marked + Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory, Chicago, Ill.,

FLASH LANTERNS

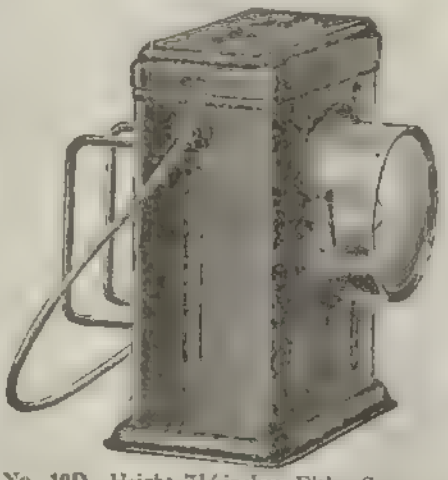
DELTA

Designed for Use as a Hand Lamp or Carrying Lantern. Battery Case is Made of Stamped Steel; Black Japanned Nickel Plated Trimmings; Folding Wire Handles on Back; Removable Wire Bail for Top; Sliding Contact; Button on Back; Case Opens on Top; Extra Fine Silvered Reflector 3 inches in Diameter with Heavy Convex Polished Lens.

Batteries Required: Two No. ND10 or Two No. HD600 (Page 758) or Two No. 6 Standard Dry Cells of Any Make.

Per Dozen

No. 1D—Sizes, 7¼ inches High, 3½ inches Wide, 2¾ inches Deep; Takes Bulb No. 3; Weight per Dozen, 24 lbs..... $54 00
One in a Box



DELTA UTILITY

Designed Especially for Use of Farmers, Automobilists, Sportsmen, Watchmen, Deliverymen, Soldiers, Oil Workers, Etc.

Throws An Intense Beam for 500 feet and in Turning Gives Wide Field of Light for Use in Close Quarters

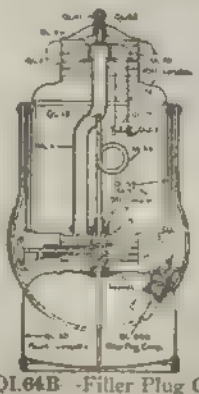
Batteries Required: Two No. ND10 or Two No. HD600 (Page 758) or Two No. 6 Standard Dry Cells of Any Make

Per Dozen

No. 10D—Height, 7½ inches; Either Square or Round Type; Steel Body Ribbed; Body Finished in Bright Red Enamel, All Trimmings Nickel Plated; 3½ inch Silvered Reflector, Extra Heavy Glass Lens; Takes Bulb No. 35; Shipping Weight per Dozen, 25 lbs. $60 00
One in a Carton

+EXTRA PARTS FOR COLEMAN LANTERN

+No. QL327

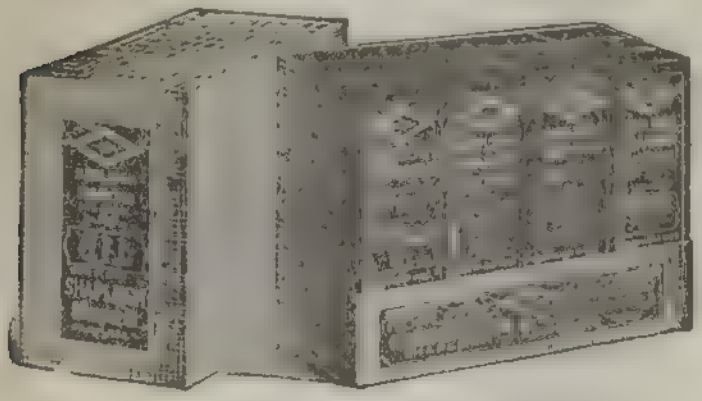


Nos.		Each
QL11	Air Intake Tube	$0 70
QL17	Burner Support Casting	.25
QL18	Gas Tips	.15
QL19	Burner Frame Washer	.15
QL23	Burner Cap Complete	.35
QL24	Burner Tube	.25
QL25	Burner Cap Screen	.15
QL26	Mixing Chamber	.90
QL32	Air Stem	.35
QL36	Rubber Gaskets	.15
QL40	Ventilator Rod	.15
QL41	Ventilator Rod Nut	.15
QL55	Valve Stem and Nut	.50
QL57	Valve Complete	1 10
QL64B	Filler Plug Complete	90
QL65	Fount with Filler Plug	6 60
QL85	Ventilator	2 70
QL98	Frame Complete	1 80
QL99	Generator Complete	.55
CO	Wrench	.35

Items Marked + Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory, Wichita, Kans.,

LUBRICATING OILS

For Guns, Revolvers, Bicycles, Sewing Machines, Scientific Instruments, Fine Machinery, Etc.



*NORLEIGH DIAMOND

TRADE MARK REGISTERED IN THE U.S. PAT. OFFICE.

Guaranteed To Contain No Acids And Not To Gum
Guaranteed To Thoroughly Lubricate And Not To Corrode

Strictly Pure Imported Italian Mineral Compound Chemically Perfect; Very Efficient and Will Stand a High Fire Test. For This Reason It Is An Exceedingly Valuable Lubricant on High Speed Complicated Machinery as Well as Bicycles, Sewing Machines, Etc.

Per Dozen

No. DMO—3 oz. Bottles; Each Bottle Packed in An Attractive Four-Color Lithographed Carton; One Dozen Cartons and One Handsome New Idea Display Cabinet; Twelve Dozen in a Case; Weight per Dozen, 6 lbs.; Average Weight per Case, 80 lbs. $2.80

No. DMOP—Half pint Cans with Patent Spout Top; Weight per Dozen, 6 lbs. 4.40

No. DMOH—Half gallon Cans with Screw Top; Weight per Dozen, 45 lbs. 14 00

No. DMOG—One gallon Cans with Screw Top; Weight per Dozen, 90 lbs. 25 50

*RUGBY

A High Grade Refined Oil for Bicycles, Guns, Tools, Cutlery, Sewing Machines, Etc.

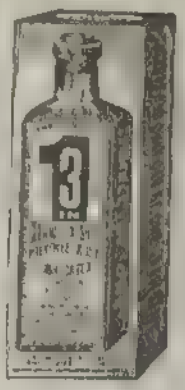
Per Dozen

No. 20R—2 oz. Bottles; Weight per Dozen, 3½ lbs. $1.50
One Dozen in a Box

THIS COMPLETE SHAPLEIGH CATALOG FURNISHES FULL DESCRIPTIONS AND ILLUSTRATIONS, WHILE THERE IS ABSOLUTELY NO DIFFERENCE IN PRICES FROM THOSE WHICH OUR SALESMAN WOULD QUOTE. SEND IN YOUR ORDERS BY MAIL FOR SUPPLIES AS NEEDED. THEY WILL BE FILLED CORRECTLY, SHIPPED QUICKLY, AND BILLED AT LOWEST PRICES.

LUBRICATING OILS

For Guns, Revolvers, Bicycles, Sewing Machines, Scientific Instruments, Fine Machinery, Etc.



THREE-IN-ONE
IN BOTTLES

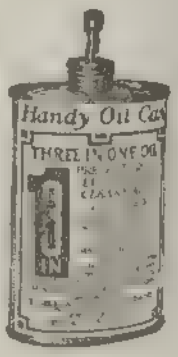
Lubricates, Prevents Rust, Cleans

Per Dozen

No. 35—1 oz. Bottles; Weight per Dozen, 4 lbs.; Weight per Case, 80 lbs. $2 70
Two Dozen in a Box; Twenty-Four Dozen in a Case

No. 36—3 oz. Bottles; Weight per Dozen, 7 lbs. Weight per Case, 94 lbs. 5 50
One Dozen in a Box; Two Dozen in a Case

No. 37—8 oz. Bottles; Weight per Dozen, 12 lbs.; Weight per Case, 75 lbs. 10 80
One Dozen in a Box; Six Dozen in a Case

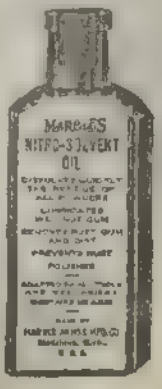


THREE-IN-ONE
IN CANS

Flat Can 3½x2½x¾ inch, with Detachable Self-Sealing Spout; This Can Slides Easily Into the Hip Pocket and is Convenient for the Use of Hunters, Sportsmen, Shavers, Autoists, Mechanics, Carpenters and Machinists.

Per Dozen

No. 38—Contains 3½ oz. Oil. Weight per Dozen, 8 lbs. $5 50
One Dozen in a Box, Twenty-Four Dozen in a Case



MARBLES NITRO-SOLVENT OIL

Quickly Dissolves the Residue of All Black and Smokeless Powders, Including Cordite, Neutralizing the Acids Before, or Even After They Penetrate the Steel; Contains No Acid and Will Not Congeal; If Applied Soon After Shooting, the Arm Can Be Left Several Days Without Wiping and Still Be in Perfect Condition When Cleaned.

Best Rust Remover Made; Cleans and Polishes Rapidly; A Perfect Lubricant.

Per Dozen

No. NS—2 oz. Bottles; Weight per Dozen, 7 lbs. $7 20
One Dozen in a Carton

METAL POLISH

BLACK SILK

An Excellent Polish for All Metals; Absolutely Will Not Scratch or Injure the Softest of Metals. For the Home, Office or Garage; Gives a Quick and Brilliant Lustre.

Per Dozen

No. 60—6 oz. Screw Top Cans; Weight per Dozen, 6 lbs $3.30
One Dozen in a Case

No. 70—1 pint Screw Top Cans; Weight per Dozen, 15 lbs 6.60
One Dozen in a Case

No. 80—1 quart Screw Top Cans; Weight per Dozen, 27 lbs..... 11.00
One Dozen in a Case

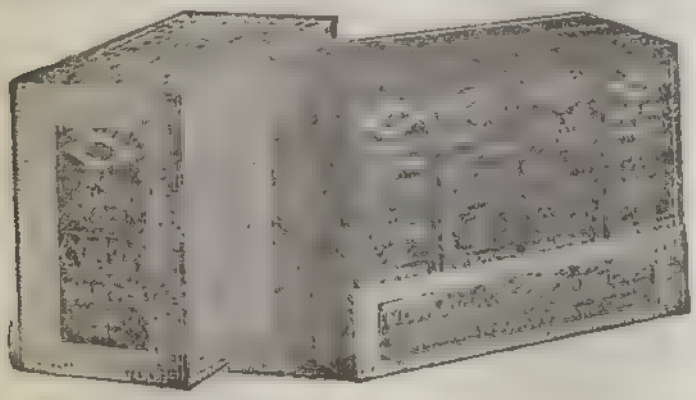
No. 90—1 Gallon Screw Top Cans; Weight per Dozen 108 lbs. 26.40
One Half Dozen in a Case

LUBRICATING OILS

★NORLEIGH DIAMOND

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE

For Guns, Revolvers, Bicycles, Sewing Machines, Scientific Instruments, Fine Machinery, Etc.; May be Used with Equal Success for Polishing



Strictly Pure Imported Italian Mineral Compound Chemically Perfect: Very Efficient and Will Stand a High Fire Test; For this Reason it is An Exceedingly Valuable Lubricant on High Speed Complicated Machinery as Well as Bicycles, Sewing Machines, Etc.

Per Dozen

No. DMO—3 oz. Bottles; Weight per Dozen, 6 lbs.; Average Weight per Case, 80 lbs. $2.80
Each Bottle Packed in an Attractive Four Color Lithographed Carton; One Dozen Cartons and One Handsome New Idea Display Cabinet; Twelve Dozen in a Case.

Per Dozen

No. DMOP—Half-pint Cans with Patent Spout Top; Weight per Dozen, 6 lbs..... $4.40

No. DMOH—Half gallon Cans with Screw Top; Weight per Dozen, 45 lbs..... 14.00

No. DMOG—One gallon Cans with Screw Top; Weight per Dozen, 90 lbs..... 25.50

SPECIAL ASSORTMENT

Per Assortment

No. 1 Assortment—Contains 7 Dozen 3 oz. Bottles Regular Number D. M. O. Oil; Packed in Wooden Box, Weight 46 lbs.; Each Bottle Packed in an Attractive Four-Color Lithographed Carton; 6 Dozen of These Bottles in Individual Cartons Only; The Other Dozen Put Up in a Handsome New Idea Display Cabinet..... $16.30
Seven Dozen Bottles of Oil for the Price of Six Dozen

BICYCLE OILS

For Guns, Revolvers, Bicycles, Sewing Machines, Scientific Instruments, Fine Machinery, Etc.; May be Used With Equal Success for Polishing.

★RUGBY

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE.

A High Grade Refined Oil for Bicycles, Guns, Tools, Cutlery, Sewing Machines, Etc.

Per Dozen

No. 20R—2 oz. Bottles; Weight per Dozen, 3¾ lbs..... $1.50
One Dozen in a Box

THREE-IN-ONE
In Bottles

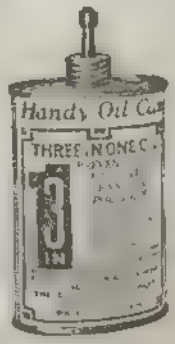
Lubricates—Prevents Rust—Cleans

Per Dozen

No. 35—1 oz. Bottles; Weight per Dozen, 4 lbs... $2.70
Two Dozen in a Box, 24 Dozen in a Case
Weight per Case, [illegible] lbs.

No. 36 [illegible] oz. Bottles; Weight per Dozen 7 lbs. . 5.60
One Dozen in a Box; 12 Dozen in a Case
Weight per Case, 94 lbs.

No. 37—8 oz. Bottles; Weight per Dozen, 12 lbs.. 10.80
One Dozen in a Box; 6 Dozen in a Case
Weight per Case, 75 lbs.



THREE-IN-ONE
In Cans

Flat Can, 3½x2½x¾ inch, with Detachable Self Sealing Spout; Slips Easily into the Hip Pocket, Convenient for Use of Hunters, Sportsmen, Shavers, Autoists, Mechanics, Carpenters and Machinists.

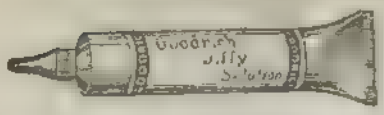
Per Dozen

No. 38—Contains 3½ ozs., Oil; Weight Per Dozen, 8 lbs..... $5.50
One Dozen in a Box; 24 Dozen in a Case

IF THE MARKET IS LOWER AT THE TIME YOUR ORDER IS RECEIVED YOU GET THE BENEFIT OF THE LOWER PRICE. YOU ARE ASSURED AT ALL TIMES OF THE LOWEST MARKET PRICES—WE GUARANTEE THAT. YOU CAN ALWAYS DEPEND ON HAVING GOODS ORDERED BY MAIL BILLED AT THE LOWEST PREVAILING MARKET PRICE.

TIRE FLUID

JIFFY SOLUTION



This is the Well Known Solution that Repairs a Puncture in a Few Seconds and Should be in Every Bicycle Kit; Has Needle Point on Tube

Per Gross

No. 106J—¾x4 inch Tubes; Weight per Dozen, 1¾ lbs.....**$17.60**
One Dozen in a Box
Sold Only in Full Packages; We Do Not Break Packages

TIRE FLUID INJECTORS

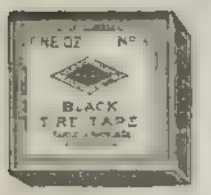
NEVERLEAK

Used in Connection with a Foot Pump; Insert Tire Fluids into a Tire; Height, 13½ inches; 9 inch Connecting Tube; Sold Without Pump.

Each

No. 11NL—Japanned; Without Pump; Weight 3 lbs **$3 30**
Loose

BICYCLE TIRE TAPE



★RUGBY

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE

High Grade Tape, Covered with Best Rubber Solution; The Best and Most Satisfactory Line of Tapes on the Market.
Black, ¾ inch Wide.

Per Pound

No. 3R—1 oz. Rolls.. .. ..**$0 90**
No. 2R—2 oz. Rolls **90**
One Pound in a Box
Sold Only in Full Packages; We Do Not Break Packages

No. 10R—Friction Tape; ¼ lb. Rolls.....**$0 85**
One Fourth Pound in a Box

No. 4R—Half Pound Rolls..... ..... .**85**
Half Pound in a Box

ELECTRICAL

High Grade Tape, Covered with Best Rubber Solution; the Best and Most Satisfactory Line of Tapes on the Market
Black; ¾ inch Wide

Per Pound

No. 6R—Half Pound Rolls.....**$0 85**
Half Pound in a Box

MASON'S

High Grade Tape, Covered with Best Rubber Solution; the Best and Most Satisfactory Line of Tapes on the Market.

Per Pound

No. 8R—4 Rolls to the Pound; White; 1¼ inches Wide **$1 40**
Quarter Pound in a Box

AUTO

This is the High Grade Black Tape, Made Especially for Motorcycle Use; Has Strong Friction and Will Be Found Extremely Satisfactory.

Per Pound

No. 5R—1½ inches Wide; Box Size, 3" x 1⅞ inches **$0 90**
Half Pound in a Red Enameled Metal Box

BICYCLE HUB CLEANERS

BOLTON'S

"SHINE-M-UP"

Black Leather Strap, ⅝ inches Wide; Made With Notches and Metal Button to Adjust to Different Size Hubs; Metal Button Acts Also as a Weight and Prevents Strap from Revolving, Thereby Continually Polishing the Hub While Bicycle is in Motion.

Per 100

No. HC12—Weight per Dozen, 1 lb... **$5 40**
Twenty on a Display Card; Ten for Front Hubs and Ten for Coaster Brake Hubs

METAL POLISH

★NORLEIGH DIAMOND

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE

CREAM

This is a Perfect Non-Settling Emulsion Polish; Requires no Shaking and as a Result is Always Ready for Use; it Gives a Quick, Brilliant Lustre Which has Been so Hard to Produce. Recommended for Automobiles, Brass and Copper Signs, Soda Fountains and Metal Fixtures; Nickel Plating, Gold, Silver, Copper and Brass.

Per Dozen

No. ND25—¼ pint Screw Top Cans; 3 Dozen in a Carton; Weight per Carton 12½ lbs **$2 70**

No. ND100—1 pint Screw Top Cans; 3 Dozen in a Carton; Weight per Carton, 44½ lbs..... **5.80**

No. ND200—1 quart Screw Top Cans; 2 Dozen in a Carton; Weight per Carton, 52 lbs..... **9.40**

No. ND800—1 Gallon Square Varnish Cans; ⅓ Dozen in a Carton; Weight per Carton, 49¼ lbs..... **39.40**

BLUE RIBBON

A Metal Polish of Merit; Speedy and Clean to Handle, Leaves No Powder or White Deposits.

Nos	BR9	BR10	BR10½	BR11	BR12	BR13
Capacity of Can	2½ oz.	½ pt.	½ pt.	1 pt.	1 qt.	1 gal
Dozen in a Case	3	6	3	2	2	½
Weight per Dozen, lbs.	2¼	4½	4½	16½	30	116
Per Dozen	$2.00	3.30	5.30	7.90	13.20	33.00

UNITED STATES

A Paste Polish of Extra Quality, for [illegible] Gold, Brass, [illegible] Does Not Shrink or Deteriorate with Age.

Per Dozen

No. 1US—3 oz., Tin Boxes; Weight per Dozen, 2¼ lbs.....**$2 00**

No. 3US—1 lb. Tin Boxes; Weight per Dozen, 12 lbs..... **8.00**
One Dozen in a Box

TRADE MARK REGISTERED IN THE U. S. PATENT OFFICE

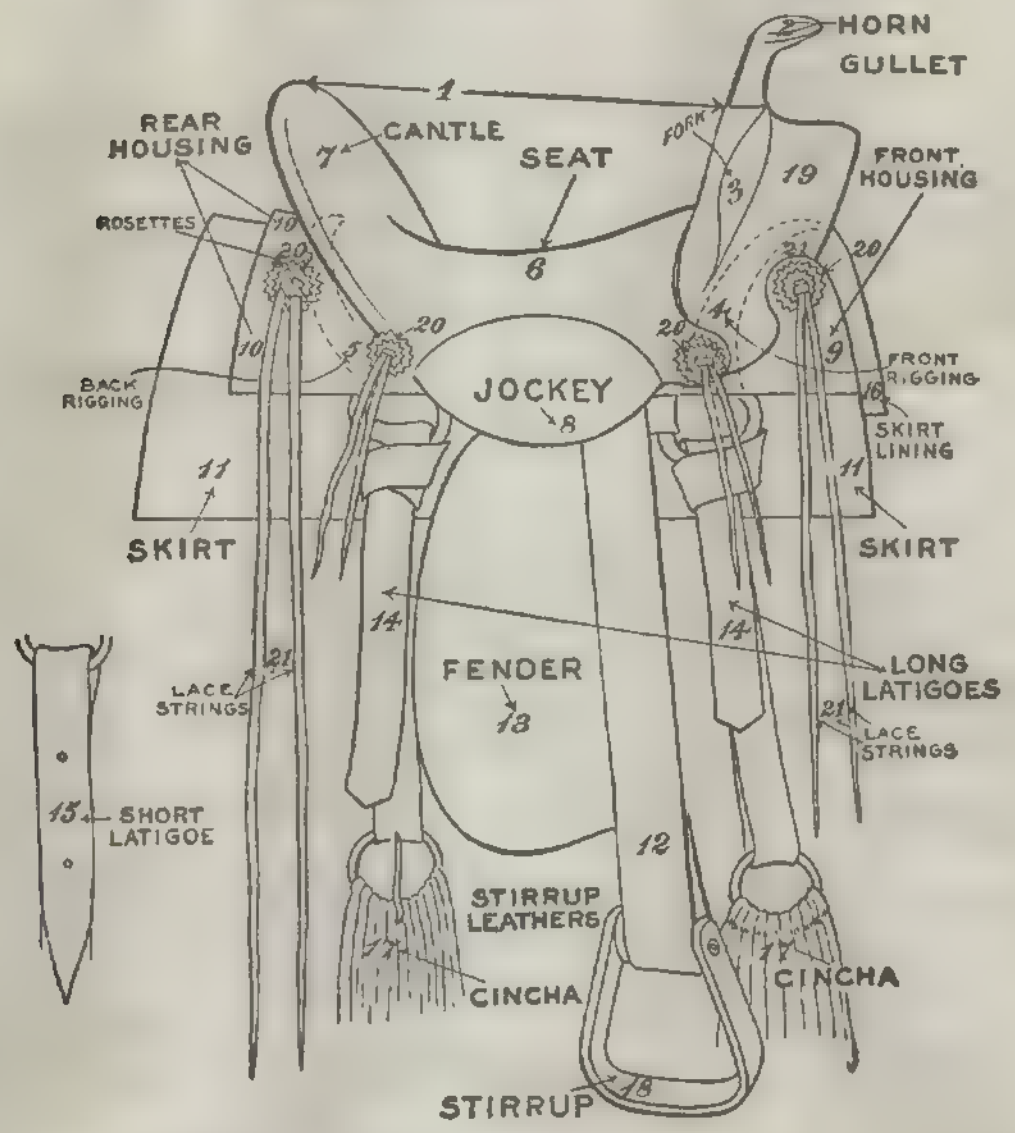
SADDLES

★NORLEIGH DIAMOND

TRADE MARK REGISTERED IN THE U. S. PATENT OFFICE

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE

DIAGRAM AND NAMES OF THE DIFFERENT PARTS OF A FULL RIGGED STOCK SADDLE



1—Proper Method of Measuring a Saddle.
2—Horn.
3—Fork.
4—Front Rigging.
5—Back Rigging.
6—Seat.
7—Cantle.
8—Jockey.
9—Front Housing.
10—Rear Housing.
11—Skirt.
12—Stirrup Leather.
13—Fender.
14—Long Latigoe.
15—Short Latigoe or Off Billet.
16—Skirt Lining.
17—Cinchas or Girths.
18—Stirrups.
19—Gullet.
20—Rosettes or Conchas.
21—Lace Strings.

BOYS STEEL WAGONS

★NORLEIGH DIAMOND

"Norleigh Diamond" High Grade Boys Wagons are Original in Construction and Distinctive in Appearance. They are Better Ironed, Better Finished and Much Stronger Than Any Other.

The NORLEIGH DIAMOND Boys Wagon is **Better Ironed, Better Finished** and **Much Stronger** Than Any Other Wagon On the Market Just Compare Our Gear With Any Other and Verify This Statement; Where Other Front Gears are Riveted Once or Twice the **Norleigh Diamond is Riveted, Welded** and **Reinforced at Nine Different Places.**

Note the Practical and Powerful Fifth Wheel and Gear: Note That the Tongue is Ironed—this Obviates All Tongue Trouble—Tongue Remains Where You Leave It—Does Not Fall to the Ground; Examine the **New Idea Steel Hand Loop,** Which is the Best and Most Practical Ever Used.

The NORLEIGH DIAMOND Gear and Heavy Iron Work, Together with the "New Idea" Large Barrel, Anti-Friction Outer Bearing Hubs and Extraordinary Heavy Spokes and Wide Tires, Enables the NORLEIGH DIAMOND to Withstand Heavy Loads and Rough Usage Where Other Wagons Break Down.

Body—24 Gauge Steel (Others Made of 29 Gauge). Double Beaded or Swedged. Top Edge Reinforced With Heavy Steel Wire; Bed Substantially Fastened to Gear by Eight Steel, Copper Plated Bolts and Nuts, With Washers Under Heads to Keep Them From Pulling Through.

Finish—Enameled, Varnished and Decorated by Hand in **Four Different Color Combinations, as Follows:** Red Outside, Green Inside, Green Gear and Wheels, Green Outside, Red Inside, Red Gear and Wheels; Blue Outside, Red Inside, Red Gear and Wheels; Red Outside, Green Inside, Black Gear and Wheels; Gold Letters and Decorations.

Washers—Lock Washers Used on All NORLEIGH DIAMOND Wagons.

Wheels—Steel, Highly Finished to Match Gear, **Fitted with Extra Heavy Spokes and Wide Tires; "New Idea"** Large Barrel Outer Bearings; Anti-Friction Hubs and Brass Plated Hub Caps.

Gear—Extra Heavy 10 Gauge Channel Steel (Others Made from 14 Gauge, Which is Much Lighter), Enameled to Match Wheels; "V" Shaped Channel Steel Braces; Improved Style Reinforcing Brace on Rear Axles, Extra Large and Strong Fifth Wheel Braces.

Tongue—Made of Select Closely Grained Bent Hard Wood and Will Reach Bows Far Enough to Allow Coasting, Finished in Oil; Fitted With **"New Idea" Steel Hand Loop.**

Packing—All NORLEIGH DIAMOND **Gears, Wheels and Tongues are Packed in the Wagon Bed; this Eliminates Battered or Broken Wheels and Lost Tongues; This Also Means a Lower Freight Rate.**

With Steel Tires

Nos	100/40	150/20	200/1
Body, inches	8x18	10x22	12x26
Wheels, inches	6&6	8&8	10&10
Weight per Dozen, lbs.	93	120	204
Per Dozen	$34 90	38.00	56.00

Nos		250/3	300/4
Body, inches		14x30	15x32
Wheels, inches		11&11	11&11
Weight per Dozen, lbs.		252	276
Per Dozen		$63 50	76 00

Sixth Dozen in a Filler Shipping Carton

BOYS STEEL WAGONS

★SHAPLEIGH DIAMOND

Body—Steel, Corrugated or Swedged Top Edge Reinforced with Steel Wire Cable, Substantially Fastened to Gearing With 8 Steel Bolts; No Rivets.
Gear—All Steel; "V" Shaped Braces.
Tongue—Made of Select Closely Grained Hardwood.
Wheels—Steel, Finished in Green Enamel; Pressed Hubs.
Fifth Wheel—Has Large Circle, Giving an Equal Bearing on Rough Surfaces and Preventing Strain on Body.
Finish—Enameled, Varnished and Striped; Colors: Outside Bed, Red; With Two Gold Stripes, Gold Letters and Gold Decorations; Inside Bed, Green; Gear, Green; Wheels, Green

Nos.	6/0	4/0	2/0
Body, inches	6x12	8x18	10x22
Wheels, inches	6 & 6	6 & 6	8 & 8
Dozen in a Crate	1	1/3	1/6
Weight per Dozen, lbs.	40	75	90
Per Dozen	$16.00	23.50	28.50

Nos.	1	3	4
Body, inches	12x26	14x30	15x32
Wheels, inches	10 & 10	11 & 11	11 & 11
Dozen in a Crate	1/6	1/6	1/6
Weight per Dozen, lbs.	180	228	276
Per Dozen	$41.50	50.50	60.00

★MOUND CITY

Body—Steel, Beaded Top Edge Reinforced with Steel Wire; Substantially Fastened to Gearing with Steel Bolts and Screws.
Gear—All Steel; No 0 and Larger, Extra Braced.
Wheels—Steel; Finished in Black Enamel, Pressed Hubs.
Fifth Wheel—Has Large Circle; Giving an Equal Bearing on Rough Surfaces and Preventing Strain on Body.
Finish—Enameled Colors: Outside Bed, Red, Gold Letters and Gold Decorations; Inside Bed, Green; Gears, Black; Wheels Black.

No Broken Crate Lots

Nos.	M0000	M00	M1
Body, inches	8x18	10x22	12x26
Wheels, inches	6 & 6	10&10	10&10
Weight per Dozen, lbs.	74	88	88
Per Dozen	$22 40	27.50	40.00

Nos.		M3	M4
Body, inches		14x30	15x32
Wheels, in.		11&11	11&11
Weight per Dozen, lbs.		200	224
Per Dozen		$48.50	56.70

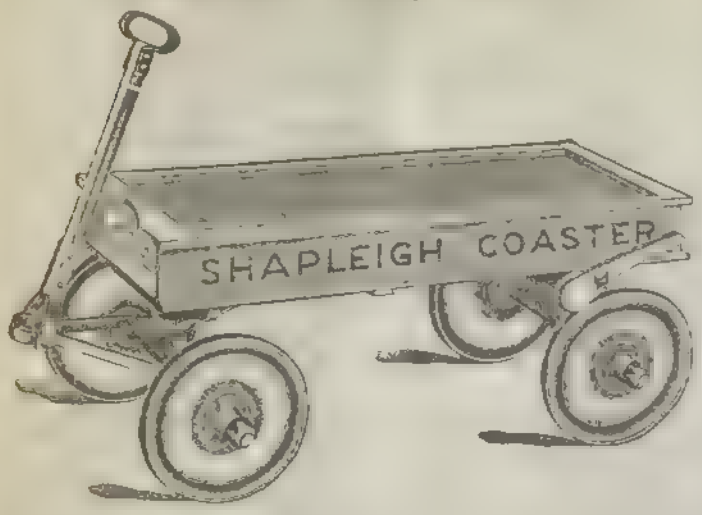
All Above Except Dia. 6/0, ½ Doz. in a Crate; Dia. 6/0, ⅓ Doz. in a Crate

NOTE Weights Given are Approximate, But They Will Not Vary More Than 3 lbs., More or Less

COASTER WAGONS

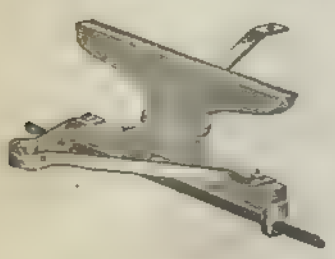
SHAPLEIGH ROLLER BEARING

Combining Strength, Durability and Attractiveness



Constructed So As to Withstand Hard Usage; Exceptionally Well Built. The Attractive Finish of Red with Green Trimming is Different. Fitted with Roller Bearing Disc Wheels, Finished in Green, Which are Practical and Attractive, Making the Shapleigh Coaster One of the Swiftest and Most Easy Running on the Market.

Bottom View of Coaster Showing How Well the Shapleigh Coaster is Braced Throughout; Boards are Matched and Held Together with Heavy Cleats. Axles of One-Half inch Cold Rolled Steel; Wood Bolsters of Thoroughly Seasoned Hickory.



Front and Rear Bolsters, Made of the Finest Grade Selected Hard Wood, With Heavy Kingbolt Which Passes Clear Through, Thus Eliminating All Checks and Splits. This Construction Enhances the Life of Coaster, by Resistance of Jarring and Hard Knocks.

SPECIFICATIONS

Box—Selected Western White Ash, Reversible, No Sharp Edges, Iron Ends Mortised Into Sides.

Bed—Southern White Ash; Boards Matched and Held Together with Heavy Cleats.

Bolsters—Selected Hickory; Kingbolts Pass Clear Through.

Wheels—Steel Tire Disc; Roller Bearing.

Axles—Cold Rolled Steel.

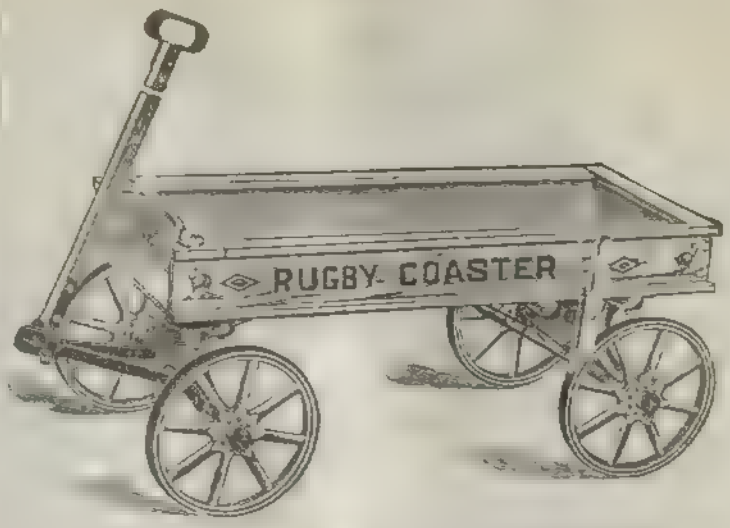
Nos.	DSC1	DSC2	DSC3
Body, inches	14x32	14x34	16x38
Diameter of Wheels, inches	10	10	10
Weight per Dozen, lbs.	360	390	450
Per Dozen	**$124 00**	**135 50**	**148 50**
Packed Dozen, per Crate	1/6	1/12	1/12

SHAPLEIGH SPECIAL RUBBER TIRE COASTER WAGONS

Nos.	RDSC1	RDSC2
Body, inches	14x32	14x34
Diameter of Wheels, inches	8	11
Rubber Tire, inches	⅝	¾
Weight per Dozen, lbs.	360	390
Per Dozen	**$131 00**	**161 50**
Packed Dozen, per Crate	1/6	1/12

COASTER WAGONS

*RUGBY



A Real Coaster Wagon; One Which Will Appeal to Every Child. Strongly Constructed of Only the Very Best Materials, Finished in Attractive Colors.

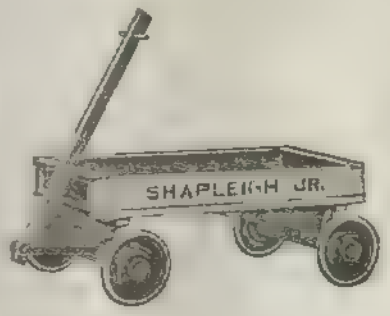
Body—Detachable; Bottom Boards Joined with Tongue and Groove; Only Best Quality Hardwood Used; Lock Washers on Bolts to Prevent Loss of Nuts.

Bolster—Hardwood, Steel Braced; High Class Finish and Construction.

Wheels—Roller Bearing; Have Shaped Hardwood Spoke, Mortised in Felloe; Nickel Plated Hub Caps.

Tongue—Hardwood, with Steel Loop Handle.

Nos.	RC1	RC2	RC3
Body, inches	14x32	14x34	16x38
Wheel, inches	10	10	10
Weight, lbs.	310	360	430
Dozen in Carton	1/6	⅓	½
Per Dozen	**$124 00**	**135 50**	**148 50**



SHAPLEIGH JUNIOR

Rubber Tired, Disc Wheels; All Numbers are Finished in Natural Grain Wood, Artistically Lettered and Decorated in Red and Black; Body is Made of Selected Well-Seasoned Hardwood, Reinforced with Strong Cleats; Beautiful Red Enameled Disc, Automobile Type Steel Wheels; Retained Roller Bearings.

Per Dozen

No. 38DR—10x20x4½ inches; ⅜ inch Tire; Weight per Dozen, 45 lbs. **$54 20**

No. 39DR—11x24x5½ inches; ½ inch Tire; Weight per Dozen, 55 lbs. **66 90**

No. 40DR—12x28x7 inches; ⅝ inch Tire; Weight per Dozen, 67 lbs. **80 80**

Sixth Dozen in Dust Proof Container

RECEPTACLES AND SWITCHES

Switch Plate—4½x3½, brush brass, single gang, fits all standard flush switches.

IH9314—Lots of 50, Each, **6c**

Switch Plate 4½x3½, brush brass double gang, fits all standard flush switches

IH7016—1 in pkg Each **$0.15**
Lots of 10, " **.10**

Switch Box — 2½ in deep, black Japanned sheet steel reversible clamp cam, bolting case for installation in new work

IH9316 1 in pkg Each, **$0.15**
Lots of 10 " **.10**

"Edison" Plug Cut-out—Double pole 6-20 amp 125 volts, porcelain base.

IH7019—Single branch Each, **$0.20**
Lots of 10, " **.16**

"Edison" Plug Cut-out—Double pole 6-20 amp 125 volts, porcelain base.

IH7020 —Double branch Each, **$0.28**
Lots of 10, " **.24**

Push Button Flush Switch—2¼x1¾x1½, shallow type porcelain base perfect operating on and off mechanism 1 in box.

IH9315 Single pole. Each, **$0.28**
Lots of 10, " **.22**

Push Button Flush Switch—2¼ x1¾x1½ shallow type porcelain base perfect operating on and off mechanism 1 in box

IH9147—3 points. Each **$0.35**
Lots of 10, " **.30**

Entrance Switch—Porcelain base, double pole single throw entrance switch and combination

IH9316—1 in pkg Each **$0.40**
Lots of 10 " **.36**

Screw Plug Flush Receptacle 2¾x2¾, brush brass, single plate 2dison base.

IH9343—1 in box Each, **$0.30**
Lots of 10, " **.23**

Slotted Flush Receptacle Brush brass, 2¾x4¼x1¾, rectangle, 4¾x2¾, cover plate, takes standard forms of straight blade caps, complete with screws.

IH9344—1 in box Each, **$0.45**
Lots of 10, " **.39**

"LEVOLIER" FLUSH PULL SWITCHES

A new type "Levolier" wall switch constructed so that no matter which way lever is pushed pulls lights or unlights

IH7375 — (Mfrs. 41) Switch Plate for 1½x2¾ and 1¾x4¾ brushed brass finish beveled edge, 4¾x2¾, 060 brass. Each, **12c**

IH7573 — (Mfrs. 20) Flush pull switch, saddle pole with pull, leather fits standard box. Each, **40c**

IH7574 — (Mfrs. 30) Flush pull switch 3-way with plain leather Each **66c**

ELECTRICAL SUPPLIES

PUSH BUTTON

IH7614—2½ in brass finish steel base, steel spring, black button. 1 in pkg., Each, **$0.15**
Lots of 10, " **.10**

BUZZER AND BELL

Buzzer—3½ in iron box. nickeled gong

IH7891—1 in box Each **$0.55**
Lots of 10, " **.49**

Bell—2½ in iron box, nickeled gong

IH7902—1 in box Each **$0.67**
Lots of 10, " **.60**

BELL RINGING TRANSFORMER

IH7646 — 60 cycle, 110 volts, for alternating current, separate primary and secondary coils, carefully insulated and mounted in different positions on glazed iron type laminated core. Encased in black enameled steel case, 3½x3½x3½ white glazed porcelain cover, 1½ lbs 1 in box. Each. **95c**

"RED SEAL" DRY BATTERY

IH7889 2 4x6, voltage 1½, amperage 20 to 30 ordinary uses, presents short circuit 1 in carton Each **$0.40**
50 in pkg " **.30**

BELL OUTFIT

IH7650—Iron base bell 2½ in gong, 6½ inches, 50 ft. insulated wire, push button and staples. 1 set in pkg Set, **$1.30**

ELECTRIC LIGHT SHADE HOLDERS

Screw Holder—2¼ in fitter, old brass finish For brass shell sockets

IH7014—Lots of 25 (Total $1 50) Each. **6c**

Clamp Holder—2¼ in fitter old brass finish For brass shell sockets

IH7015—Lots of 25 (Total $1.00) Each, **4c**

"ANYLITE" REGULATOR

A device designed to obtain any degree of light from any incandescent lamp consuming not more than 40 watts

IH5117 Brass finish can be equipped with name holder, saves current, fully guaranteed 1 in pkg Each, **$0.84**
10 on display card Each, **.77**

"RED SEAL" SPARKER DRY BATTERY

IH7021—(Mfrs. 341), 10¼x2¼x 4 cells arranged in single row moisture proof, 2 large binding posts for connections, extra wide, webbing cord for carrying, especially designed for ignition work on auto, tractor stationary engine motor boat 1 in pkg 15 lbs Each, **$1.20**
Lots of 3 " **1.06**

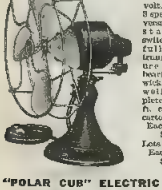
ROBBINS' & MYERS' ¼ H. P. ELECTRIC MOTOR

IH7310 ¼ H. P., 60 cycle, 110 to 115 volt alternating current motor. Phosphor bronze bearings, lubricators, to grease cups and valve oil pots with screwed pulley, 10ft weather proof cord and separable plug, designed to operate washing machines, churns, grinders, lathes, etc 1 in box 36 lbs Each, **$17.75**

ELECTRIC FANS

You can't be SURE you are buying electric fans at the bottom until you are posted on our prices

"NORTHWIND" ELECTRIC FAN



IH8314 — Oscillating type, 4 blades, 110 volt, 10 in. 3 speeds, universal motor, starting switch has full swivel trunnion feature bronze bearings with wick filled oil wells, complete with 8 ft. cord. 1 in carton Each, **$14.34**
Lots of 12, Each **$13.88**

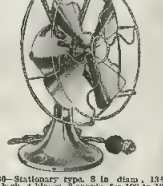
"POLAR CUB" ELECTRIC FANS

Model "G," stationary type, for 110 volts, 25 to 60 cycle alternating or direct current 4 highly polished and lacquered solid brass blades, drawn steel motor shell with patented bronze bearings, cast iron base motor shell, base and guard finished in baked black enamel, adjustable to any angle, 6 ft. of cord and plug.

IH8501—6 in diam., 8 in. high Retails at $5.00. 1 in box, 3 lbs. Each, **$3.75**
Lots of 12, " **3.50**

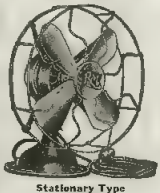
IH8502 8 in diam., 10 in. high Retails at $7 50. 1 in box, 4 lbs. Each, **$5.50**
Lots of 12, " **5.25**

"STAR" MOTOR ELECTRIC FAN



IH7680—Stationary type, 8 in diam., 13½ in high, 4 blade 3 speeds, for 100 to 125 volts, alternating or direct current, nickel plated and polished throughout, heavy cast base with 4 rubber bushings prevents creeping, grease cups with spring operating felt wicks at either end of axle housing for lube rotam, heavy fan guard, thumb screw adjusts to any angle, 6½ ft. covered wire with 2 piece plug Guaranteed for 1 year. 1 in box, 7 lbs. Retails at $10.00 Each, **$7.00**
Lots of 6, " **6.25**

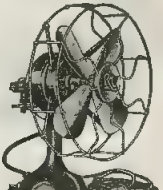
"R & M" STANDARD DESIGN ELECTRIC FANS
Made by Robbins & Myers



Stationary Type

4 Polished brass blades, drawn steel frame, light weight wire base, black japanned, striped in gold. 8 ft. cord and plug. 1 in box.

110 VOLT, Alternating or Direct Current—
IH4322 9 in Each, **$14.00**
110 VOLT, Alternating Current—
IH3415—12 in Each, **$18.50**
IH3414—16 " Each, **21.60**

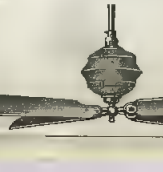


Oscillating Type

Light weight drawn steel frame, black japanned, gold striped, brass blades, mechanical gear oscillator, base with felt pad, brass hook for attaching to wall, wide flaring base which prevents fan from tipping, 8 ft. cord and plug. 1 in box

32 VOLT, Direct Current—
IH4190—12 in., 4 blades Each **$24.00**
110 VOLT, Alternating or Direct Current—
IH4194 9 in 4 blades Each. **$17.80**
110 VOLT, Direct Current—
IH3403—16 in., 4 blades. Each **$28.00**
110 VOLT, Alternating Current—
IH3404 12 in 4 blades. Each, **$24.00**
IH3323—18 " 4 " " **24.00**
IH3405—16 " 4 " " **28.00**

"OUR DRUMMER" TAKES THE RISK OUT OF BUYING



ROBBINS' & MYERS' WOOD BLADE CEILING FANS

56 in., 4 blades, 3 speeds, plain type, black enamel finish, 110 volts, with ceiling canopy, insulated hanger and hook, without hanger rod, ordinary ¾ in standard pipe can be used for hanger rod. 1 in carton,

IH4223—For direct current, 100 lbs. Each, **$40.00**
IH4235 For alternating current, 105 lbs " **41.60**

SAND TOYS AND SPRINKLERS

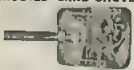
IMPORTED SAND TOY SET

F6389—7 pcs., 6 in moulds in bright colors, over all ht. 6¼ in. bright metal sand shovel. Wood handle, each set on 9x7¼ in. card in lace trim box. ½ doz. sets in pkg. Doz. sets **$1.25**

SAND BOAT AND SHOVEL

F2807 9x2½ in., canoe shape red body 1½ in. brass disc wheels. Steel axles. 7 in. red shovel with wood handle. Doz. **89c**

KIDDIES' SAND SHOVEL



F7900—[illegible] 11 in. [illegible] with fancy design [illegible] Each **96c**

STAR VALUE

TOY SPRINKLER CANS

F2858—4½x3 in., 4½ in. spout, handles with turned edge, bright color, enamel finished bodies, all the other parts lacquered, spout and handles strongly soldered. Asstd. 1 doz. in box ..Doz. Tmp. Out

F2855—6x4 in., 6¾ in. braced spout, handles with turned edges, asstd. bright color Ribbo design bodies, other parts lacquered. spout and handles strongly soldered. Asstd. ½ doz. in box. ..Doz Tmp. Out

SAND MOTOR PAILS AND SHOVELS

1½ in. riveted, turned edge, enamel handles. Asstd. red, blue and green.

F2888 [illegible] high [illegible] pail with [illegible] 7 in. [illegible] wood shovel. [illegible] Doz **$2.15**

F2889—[illegible] in high [illegible] with [illegible] 7 in. [illegible] wood shovel. [illegible] ½ doz. in box Doz **$3.95**

LITHO SAND PAILS AND SHOVELS

Extra heavy materials exceptionally fine workmanship. 7 color litho juvenile designs, heavy 1 piece galvanized shovels.

F2884 [illegible] in. [illegible] with [illegible] wire handle. Asstd. 1 doz in box Doz **88c**

F2881 -5½x6 in., 8½ in. wire bail handle. 8½ in. shovel. Asstd. 1 doz in box Doz **95c**

F2885—6½x8½ in., 11½ in. riveted handle 4½ in. wide with turned edges, 11½ in. shovel Asstd. 1 doz. in box Doz **$2.25**

DOLLS AND DOLL CARRIAGES

NOVELTY DOLLS

F7901—14 in. high sprayed flesh color [illegible] painted [illegible] Doz **$6.00**

F7900—14 in. high sprayed flesh color body painted features, hair and black shoes, jointed arms, rag doll eyes, each box. ½ doz in pkg. Doz **$4.50**

NOVELTY DRESSED DOLLS

Modeled composition flesh sprayed bodies, painted features, regular expressions, jointed arms, mohair wigs, net veil, painted shoes. With stand.

F7910—16 in. high, colored sateen pantalettes and wired full skirt with fancy tinsel edging, braid straps and head band. ½ doz. in box Doz **$8.50**

Tinted Metal Cloth Pantalettes

Wired full skirt, lace and tinsel trimmings, marabou edged skirt and sunbonnet, tinsel straps and head band with fancy marabou ½ doz in box.

F7911—18 in. high Doz. **$14.00**

F7912—24 in. high, with gilt head [illegible] Doz **$22.00**

UNBREAKABLE DOLLS

Kid [illegible] [illegible] [illegible]

SUNDRY PLAYTHINGS

"LITTLE HOUSEKEEPER" TOY SPECIALTIES

Coal Hod and Shovel—Coal hod 3¾x2½ in., metal pail, blue, green and black enameled, wire bail, 6 in. shovel. F2811 -1 doz. sets in box. Doz. sets, **84c**

Egg Beater — "Junior"—6½ in., all in drawing wheel, wood handle, double beaters, each 1 inch size of the large size F2816—1 doz. in box Doz. **80c**

TOY FLAT AND SAD IRONS

F2042 -3¾ in., bright gilt sides, polished face, black painted wood handle with nickel ends. 1 doz. in box. Doz. **89c**

F2044—4 in., polished nickel face, edges and removable hood, black enameled handle, ½ doz. in pkg. Doz. **$2.10**

BISSELL'S TOY CARPET SWEEPER

F2953 "Little Daisy"—6 in. bright red case with wood frame, red stained pusher, wood wheels, red bristle brush, 30 in. bamboo handle attached to copper frame. ½ doz. in pkg. Doz. **$2.25**

"Our Drummer" takes the risk out of buying

REVERSE ACTION PIN WHEEL

F2824—Three 6½ in. red white and blue propeller shape blades, each to be inserted in slit in stick and to revolve in opposite directions. 1 doz. in pkg. Doz. **87c**

WOOD PERFORMING FIGURES

F3678—Boxers, 3½ in. painted figures on 4½x2 in. green platform, moving arms by working buttons men box naturally. 1 doz. in box Doz. **89c**

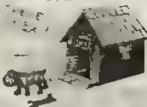
F1819 - Punching bag 4½ in. painted clown head, green wood body, green wood bag suspended on wire uprights, nickeled punching bag when button is pressed. 1 doz. in box Doz. **89c**

"TOM TINKER"

F2837 - Tom Tinker "hand-some baby flesh color head and body, red suit, yellow cap, black and green & yellow legs. ½ doz. in box . . . Doz. **$4.00**

THE FAMOUS "RADIO REX" DOG AND HOUSE

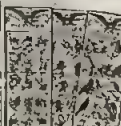
This is a novelty that's going like wild fire and note our low price.



F2830—6½x7½x9¾ in. red and green dog house, 4½ in. celluloid dog, battery, microtic bar and spring, one wire in house, other in finger of dog, command moves out ½ doz. in box Doz. **$16.50**

UP-TO-DATE TRANSFER PICTURES

Excellent colorings, guaranteed to transfer. 15 pictures on 4½x6½ in. sheet, 12 sheets on display card.



F3506—6 styles, fruits, birds, animals, autos, trains, soldiers and boys' buttons. Assrd 1 gro. pkg. Gro **89c**

F3001—6 styles, movie characters, zimmie, clear, kiddie car and boy, wagon, bumper, dumpster and circus. Assrd 1 gro. in pkg. Gro **89c**

"THE WONDER BUILDER" TINKER TOY

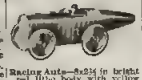
F3625—"The Wonder Builder" tinker toy, consisting of wood rods, various lengths, grooved ends, 35 in. regular hard wood blocks, instruction sheets showing different models, numerous other pieces, etc., one set may be added to another to make more elaborate outfits. Each set packed in individual box, with automatic lift cover, each set in pkg. Doz. sets **$6.00**

FOALTING ZYLONITE TOYS

Natural colors, floating, for baby's bath, aquariums, etc.

F4300 6 styles ave. 3½x2½ in. swan, duck fish, turtle frog and lobster. Assrd 1 doz. in box. Doz. **84c**

MECHANICAL TOYS



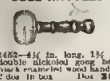
Racing Auto—8x3¼ in. bright red litho body with yellow stripes, yellow disc wheels, chauffeur, long spring action, each in box

F3285—½ doz. in pkg. Doz **$2.05**

Climbing Monkey—Fit 10½ in. red litho trunk with white stripe and sheet iron base with automatic lift, climbs each in box

F3283—½ doz. in pkg. Doz **$2.25**

BELL RATTLES

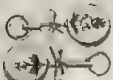


F3482—4½ in. long, 1¾ in. double nickeled gong bell, black enameled wood handle 2 doz in box Doz **38c**

F3449—6 in. long, three 1¼ in. double slot nickeled bells attached to white celluloid band, black enameled wood handle. 1 doz. in box Doz. **89c**

ZYLONITE RATTLE ASSORTMENTS

F4486—3 styles, aver. 6½ in. long, large size fancy rattle, bell, oval and octagon shape, extra heavy polished stock pink & white, blue & white, yellow & white, medium and heavy twisted cord & tassel. Assrd 1 doz. in box. Doz **89c**



F4470—Aver. 7 in. long extra heavy polished stock, large fancy rattle ball top, pink & white and blue & white combination, hand painted floral design, extra heavy pink, blue & white ribbon ring and blue silk ribbon bows. Assrd. 1 doz. in box. Doz. **$2.25**

TOY TELEPHONE

F2581 11 in. metal black enameled metallic mouthpiece 9½ in. receiver long nickeled 1 doz. in pkg. Doz **82c**

RED PAINTED WOOD CHAIRS & ROCKERS

Painted, striped, varnished and stenciled. Packed in heavy shipping carton which prevents breakage and insures safe delivery.

F848—Chair 12 in. high, seat 6x6 in. square back. 1 doz. in carton. 10 lbs. Doz. **$2.25**

14½ in. high, seat 7½x7½ in. square back, ½ doz. in carton, aver. 10 lbs

F835—Chair Doz. **$4.50**
F839—Rocker . **4.85**

19 in. high, seat 9x9 in., bow back, 1 doz. in carton aver. 15 lbs

F837—Chair Doz. **$6.50**
F835—Rocker, " **7.20**

CHILDREN'S NURSERY CHAIR

F819 Unpainted natural wood, 21½ in. high, 10x11 in. seat, strong wood tray, 1 doz. in bdl Doz. **$6.75**

REVERSE ACTION PIN WHEEL

Substantially made and at a price you would pay elsewhere for a cheaper quality.

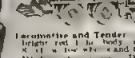
F2824—Three 6½ in. red white & blue propeller shape blades, each to be inserted in slit in stick, to be worn in opposite directions. 1 doz. in pkg. Doz. **87c**

CINNAMON PLUSH TEDDY BEARS

With stuffed head, swivel jointed arms and legs, fully jointed limbs, with stitched nose and mouth, all with ribbon bow around neck

F3010 -10 in.	Doz	$ 7.20
F3031 -14 "	"	8.75
F3072 -16 "	"	10.50
F3073 -18 "	"	12.00
F3074 -20 "	"	13.50
F3075 -22 "	"	16.80

MECHANICAL TOY BOAT



F3787—... red ... black trim, heavy metal steersman ... for in box Doz. **$2.20**

STEEL TOYS

Locomotive and Tender 10½ in. bright red litho body, engineer & fireman, yellow wheels and trim

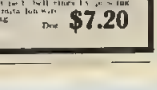
F3... Doz **92c**

"Mother Goose" Wagon—13x8½ in. red, black sides with litho nursery pictures, green wheels, 2½ in. red gum wood wheels, steering front axle, 1 in. red turned wood handle.

F3538—1 dz. in box Dz **$1.80**

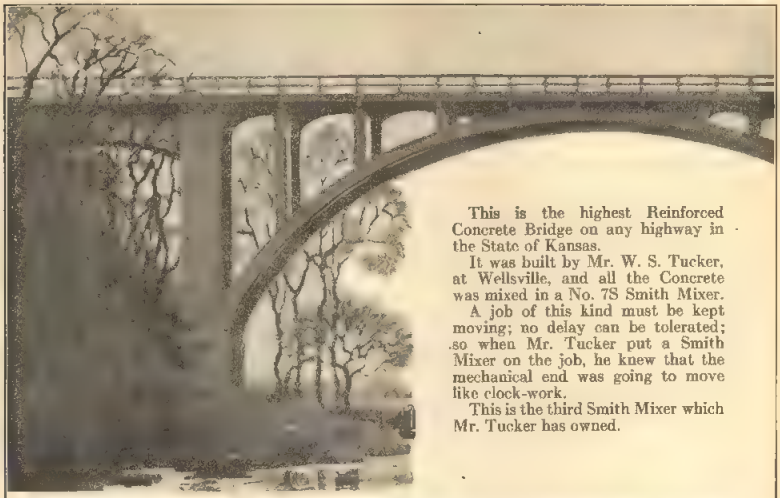
TOY TELEPHONE

With improved mechanism—one of the most popular selling toys on the market and at a price that will permit you to feature it



F3564—Ht. 9 in., 3½ in. nickel plated base with green felt bottom, dark enameled tube receiver and adjustable mouthpiece, 4 ft. 1 strand twisted cord, 2 in. long brass gong-lever knobs both ends

½ doz. in pkg Doz **$7.20**



This is the highest Reinforced Concrete Bridge on any highway in the State of Kansas.

It was built by Mr. W. S. Tucker, at Wellsville, and all the Concrete was mixed in a No. 7S Smith Mixer.

A job of this kind must be kept moving; no delay can be tolerated; so when Mr. Tucker put a Smith Mixer on the job, he knew that the mechanical end was going to move like clock-work.

This is the third Smith Mixer which Mr. Tucker has owned.

The Casteel Engineering Company of St. Joseph, Missouri, has laid a lot of paving since beginning business. They find that to get a job done in time, they must have Mixers that can be speeded up, and still stay on the job.

The above illustration shows their Smith Paver in action. They like its work extremely well.

GASOLINE GAS LAMPS

NU-LITE

Has Durable White Embossed Shade Decorated, Match Lighting Burner; No Alcohol Torch Required; 400 Candle Power, Nickeled Plated Base; Has Two Mantels; Fount, 8 inch Base; Capacity, 3 pints; Uses Gasoline as Fuel.

Each
†No. 110M—Weight Each, 11 lbs. $13.70
One in a Carton

Has Durable White Embossed Shade; Torch Lighting Burner, 400 Candle Power; Fount, 8 inch Nickel Plated Base; Capacity, 3 pints; Uses Gasoline as Fuel.

Each
†No. 110—Weight Each 11 lbs..... $13.70
One in a Carton

KEROSENE GAS LAMPS

COLEMAN KER-O-LITE

Ker-O-Lite is a Pressure Lamp Making its Gas from Kerosene Instead of Gasoline. It Operates on the Same Principle as the Air-O-Lite. Uses Two Small Rag Mantles and Gives Just as Bright a Light. It Requires More Frequent Cleaning Because Kerosene is a Heavier Oil, but to Make This Easy the Ker-O-Lite is Constructed With a Quick Detachable Generator.

Equipment Furnished With Each Lamp: 2 Mantels, Lighter, Pump, Wrench, Hanger, Extra Generator and Set of Cleaning Tools for Removing Old and Inserting New Filter.

10 inch Ribbed Opal Shade; 8 inch Nickel Plated Brass Fount; Fount Capacity, 4 pints; Height, 22 inches. Produces a Light Equal to 300 Candles.

Each
No. K307—Weight Each, 10 lbs.....$14.50
One in a Carton
No. 307—Extra Shades for Above..... 8.00

Per Dozen
In Quantity of 1 Dozen or More.....$27.50
Six in a Carton

COLEMAN QUICK-LITE SUPPLY CASE

This Quick-Lite Supply Case is Made of Strong 26 Gauge Metal. It is Finished in Olive Green, Inside and Out, and the Walls of the Compartments are All Spot-Welded Together. The Case Itself Measures 13⅜ inches Long by 7⅞ inches Wide by 2⅝ inches Deep. This Case Contains the Following Parts:

4–Q57 Valves	12–Q18 Gas Tips	1–LQ55 Stem and Nut
3–Q Pumps	2–Q41 Shade Screws	1–C45 Handle Fiber
1–Q11 Air Intake	3–Q Wrenches	3–C69 Lamp Hanger
4–Q25 Screens	1–Q17 Casting	6–Q Pump Leathers
1–Q26 Mixing Chamber	2–Q Tip Wrenches	1–Q63 Shade Holder
1–Q56B Valve Stem	4–Q84B Filler Plug	2–LQ41 Ball Nuts
2–C46 Handle Caps	4–Q23 Caps and Screen	3–LQ Wrenches
2–C47 Handle Nuts	4–Q24 Burner Tubes	12–007 Tip Cleaners
6–Q36 Gaskets	2–LQ57 Lantern Valves	12–Q99 Generators

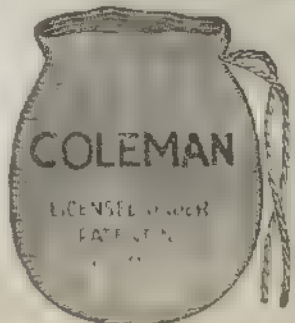
Each
No. SQL—Weight, 8 lbs.....$33.00
One Case in a Carton

COLEMAN MANTEL DISPLAY

This is An Attractive Carton, Being Finished in Purple and Orange. These Mantels Come Packed 12 Mantels to a Box, and 12 Boxes to a Carton. Time and Expense are Saved as it Costs No More to Sell and Ship a Gross Than a Dozen or Less. One Gross of Mantels to a Carton. Size of Carton, 3x9½x8½. We Do Not Break Cartons.

Per Gross
No. CMD—Weight Approximately 12 lbs.....$18.90
One Gross in a Display Carton

GASOLINE RAG MANTELS



COLEMAN

Made from Egyptian Long Fiber Thread, Highly Solutioned With Best Grades of Necessary Chemicals, and Has a Reinforced Bottom.

Per Dozen
No. 41—Length, 2½ inches.....$1.70
Twelve Mantels in a Box; Twelve Boxes in a Carton

Items Marked † Not Carried in Stock, Can Only be Furnished by Shipping Direct from Factory, Chicago, Ill.

Macbeth
Nu-type Chimney
Pearl Glass
A new chimney designed
for present day kerosene.
Eliminates flicker and smoke
The Old Way
Macbeth-Evans Glass Company
Pittsburgh
U. S. A.
The New Way
The shape of the Macbeth Nu-type chimney has been scientifically determined to get the most light from the lamp. This shape is absolutely maintained in every chimney, as each one is made in a mould which permits no variation.
Macbeth Nu-type chimneys are made of Pearl glass, tough against heat. This famous glass has been used for more than half a century in the manufacture of all Macbeth chimneys.

And Here's the Better Way to Sell Macbeth *Nu-type* Chimneys!

This beautiful display carton, lithographed in three colors, has been devised the best way to help you sell the new Macbeth *Nu-type* Chimney. It holds six Macbeth *Nu-type* Chimneys, packed in individual Blue Cartons. You get this handsome carton free with your order for three dozen or more.

You can place this carton in your window or on your counter arranged as shown above. Contrast views of the old-style chimney and the Macbeth *Nu-type* Chimney are prominently shown. Large size type tells the story. All in all it is a self-selling carton.

This handsome display carton will add to the attractiveness of your counter or window and is bound to induce people to notice—to examine—and to buy the new chimney.

Each Macbeth *Nu-type* Chimney [illegible] Blue Carton. It always [illegible] display [illegible] Carton [illegible] ers. The Blue Carton is shown below

The Old Way

MACBETH *Nu-type* CHIMNEY

The New Way

Old-fashioned crimp top chimneys will not function properly with the kerosene of today; they cause oil lamps to flicker and smoke. To get a big, white light-producing flame the specially designed Macbeth *Nu-type* chimney must be used.

THE REMEDY

Fifty years ago Macbeth research produced a better lamp chimney. First, because Pearl Glass, permanently brilliant and tough against heat, was used in its manufacture. Second, because each type of chimney was designed to meet the individual requirements of the lamp with which it was to be used, thus ensuring the functioning of the combination at its greatest efficiency.

Once again Macbeth research has achieved another triumph in the Macbeth *Nu-type* chimney. It has been evolved to compensate for the change in kerosene, and thereby enable your customers who use oil lamps to obtain the good, comfortable illumination which they enjoyed years ago.

The Macbeth *Nu-type* chimney is scientifically designed and, when used in conjunction with a good type of burner, eliminates all flicker and smoke, producing a clear, steady burning, big white flame. The design of the chimney controls the drafts so that there is an even balance on both sides of the flame and enough air is brought to the flame with no excess.

LONG LIFE ASSURED

The Macbeth *Nu-type* Chimney, however, is made of the famous Pearl Glass, permanently brilliant, and of uniform thickness. The shape is absolutely maintained in every chimney because it is made in a mould. The unusual quality of Pearl Glass and the "mould made" feature in Macbeth *Nu-type* chimneys insure long life.

Each Macbeth *Nu-type* Chimney bears the stamp of approval of the Standard Oil Company. This is the result of their being thoroughly tested by this company.

YOU CAN DO A LARGER CHIMNEY BUSINESS THAN EVER!

Here is a big opportunity for you to do a larger lamp chimney business than you have ever done before. The moment your customers see the folly of trying to get along with their old crimp top chimneys when the Macbeth *Nu-type* is so much better, you'll be busy handling the *Nu-type* across the counter.

Tell your customers to get a new burner and a Macbeth *Nu-type* Chimney. Have them try it out at home. As soon as they do, they'll come back again and again, demanding Macbeth *Nu-type* Chimneys, in preference to any other.

The attractive counter carton for display, shown on the next page, together with the many high qualities of the Macbeth *Nu-type* Chimney, make a selling proposition that will bring real results.

Macbeth Pearl Glass *Nu-type* No. 2. Outside diameter bottom 3 in., of bulge 4 in., of top 2 in., height 8½ in.

No. 2RS02. One doz. in shipping carton, weight per carton 7 lbs. ..... Per dozen $3.70
No. 2RD502. Three doz. in shipping carton, weight per carton 20 lbs. ..... Per dozen 3.50
No. WD502. Six doz. in shipping carton, weight per carton 37 lbs. ..... Per dozen 3.30

STORE NEEDS FOR EVER MERCHAN

We specialize in store needs for our customers—that's why you can expect to get better prices here

Pin Tickets

For prices and sizes.

Self-fastening pin tag. 1M in box

White, Special Grade—

	Per M
S1648—1 line 2 spaces ⅝x1⅝	$0.39
S1667 1 line 3 spaces ¾x1⅝	.43
S1668—2 lines 3 spaces ⅞x1	.52

White Best Grade—

	Per M
S1670—1 line 3 spaces ¾x1⅝	$0.49
S1777—1 line 2 spaces ¾x1⅛	.55
S1778—2 lines 3 spaces ⅞x1	.63

String Tags

For prices, sizes, etc.

Oblong, fine white stock white strings. 1M in box

	Per M
S1680— ⅝ in long	$0.54
S1681—1⅝ " "	.60
S1682—1⅜ " "	.64
S1696—1⅝ " "	.72
S1684—1⅝ " "	.86
S1685—1⅝ " "	1.16

Separate Gummed Labels

Round Square Oval

Separate—Full count, good stock, gummed 15 layers in carton.

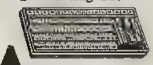
	Size	In box
S1780—⅝x⅞ sq		360
S1781—1¼x1⅝ sq		140
S1782—1⅝x⅝ "		90
S1783—1¼x⅝ "		75
S1785—⅝ in. oval		200

Carton 65c

Print Your Own Display Cards

Everything you need to make attractive window cards and price tickets. Bristol board in white and colors, too.

Sign Printing Set



A Rubber type on wood blocks, each stenciled, in hinged top wood box with pad, ink, rule and gauge.

S2900—1 in. capitals, ⅝ in. figures, ½ in. figures 8 and c, indexes, miscellaneous characters and phrases. Reduced to. Per Doz., etc. 80 pc set in leatherette box. Set, $2.25

Show Card Outfit

S191 Outfit comprises 7 colors ink, quoted, six 2½ oz. bottles, blue, yellow, lavender, light green, white and red and ½ pt. bottle of black. 6 brushes and book of instructions. Complete in partition box Each, $2.65

Bristol Board

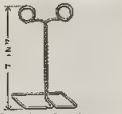
For making your own price tickets, window cards, etc

14x22 highly finished good stock 25 sheets in pkg

S1334	1 ply, white. PKG of 25.	87c
S1336	1 ply, colored, assd. red, yellow and green. PKG. of 25.	$1.20

For Complete Line of Blank Books See Page 249

Card Holders



S1388 — 2 styles, 12 gauge wire, 7 in. high, base 4x4 double spring gold bronze finish Assrd 1 doz in box Doz. $1.65

S7377—12 in high spring arms hold 7 in card or wider. 4x5 in flat steel base, Japanese Bronze finish 1 doz in carton Doz. $4.00

Merchandise Spring Hook

S8728 1¼ in. bull dog spring ½ gro. in box Gro. $1.00

Typewriter Paper

S4336—8½ x 11, plain white, mocha weight and quality 500 sheets in pkg. Pkg 63

High grade paper, 500 sheets in box.

White Linen Laid—Good weight, strong white paper stock

S4326—8½x11	Box,	$1.0
S4324—8½x13	"	1.2

White Bond—Good weight and quality bond paper

S4322—8½x11	Box,	$1.1
S4323—8½x13	"	1.2

Typewriter Second Sheet

S3741 8½x11 medium wt, yellow manila sheets, 500 sheets in pkg. Pkg 50

"Extra Good" Carbon Paper

8½x11, excellent quality 25 sheets, fibber 100 sheets in carton

S3760—Black	
S4763—Blue	(Carton
S4762—Purple	($1.2

10 cartons lots sold at Carton, $1.1

Typewriter Ribbons

Fabric, Inked and Ready for Use

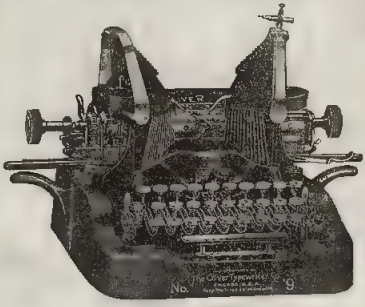
S4760—Black	
S4761—Blue	Each
S4762—Purple	75c

Silk, Inked and Ready for Use

S4764—Black	
S4765—Blue	Each
S4766—Purple	$1.00

"OLIVER" TYPEWRITER

Brand New—Straight From The Factory



This is a specimen of the Standard Pica Type.

Do not confuse these machines with the re-built machines which are being offered at lower prices.

The same typewriter that formerly sold at $100.00. Made and guaranteed by the Oliver Typewriter Company. Our low price puts this splendid machine within the reach of every merchant.

S798—"Oliver" Model No. 9. Standard keyboard, pica type, visible writer, regular 10 in. carriage, two-color ribbon, back-spacer, ruling device, automatic paper feed, line-spacer and tabulator. Ribbon, rubber cover, tools, oil and instruction book included. Each in wood case, 50 lbs. Each, **$50.00**

STORE NEEDS

PRICE TICKETS, LABELS, CLIPS, Etc.

PRICE TICKETS

Black, Lettered ... Each ... Per M

Blue ... Each ... Per M

Red ... Each ... Per M

#S1315 ... Per M $1.00

BOX of 100 ... 15c

10¢

Red & Black Lettered

#S1316 ... Per M $1.00

#S1317 ... Per M $1.50

STRING TAGS

White, Oblong ... Per M $0.57

#S1801 ... .64

#S1802 ... .98

#S1803 ... .76

#S1804 ... .86

#S1805 ... 1.15

Colored, oblong, red, green, blue, white or buff ... Per M $0.84

#S1807 ... 1.10

#S1808 ... 1.60

#S1809 ... 1.87

Metal Rim, for all sizes of round wire tags ... Per M $1.40

#S1801 ... Box of 1000 1.05

PARCEL POST LABEL CARD & TICKET HOLDERS

#S25 Bent-wire Spring Holder, for pinning up to 50 sheets of instructions, club bound ... Each 40c

#S26 Bent-wire Spring Holder, for pinning up to 100 sheets of merchandise or shelf ... Each 70c

#S27 Bent-wire Spring Holder, for pinning up to 200 sheets of merchandise or shelf ... Each $2.85

SHELF TICKET HOLDER

#S2 Bent-wire Spring Holder ... Each 30c

#S2—Bent-wire Spring Holder, for pinning up to 100 sheets of merchandise or shelf ... Each $1.65

#S3—Bent-wire Spring Holder, for pinning up to 200 sheets of merchandise or shelf ... Each $4.00

TRAY TICKET HOLDER

#S1810—Tray Ticket Holder, for pinning up to 100 sheets of merchandise or shelf ... Each $1.00

MERCHANDISE SPRING HOOK

#S1820—Merchandise Spring Hook, for pinning up to 100 sheets of merchandise or shelf ... Each $1.10

LETTERING PAINT

#S1813—Black lettering paint. 1 pound can in oil, 6 cans to pkg. Can 20c

Pkg of 6 cans $1.00

PAPER CLIPS

"Gem"—Nickel finish, 100 in box ... Per M 45c

#S18—1 M in carton.

EMBOSSED PRICE CARDS

PRICE 5¢

#S1320—2½x3½, red & gold, white stock, die cut round corners. BOX of 50 ... 65c

PIN TICKETS

For Prices and Sizes, self-fastening pin top. 13M in box

White Special Grade—

#S1646—1 line 3 spaces ... Per M 43c

#S1647—1 line 3 spaces ... Per M 43c

#S1648—3 lines 3 spaces ... Per M 52c

White Best Grade—

#S1670—1 line 3 spaces ... Per M 49c

#S1777—2 line 3 spaces ... Per M 56c

#S1778—3 lines 3 spaces ... Per M 63c

Yellow, Best Grade—

#S1870—1 line 3 spaces ... Per M 52c

#S1871—3 lines 3 spaces ... Per M 72c

GUMMED LABELS

Square ... Oval

Separate—Full count, good stock, gummed. 12 boxes in carton.

#S1780 ... 2x2½, sq. 200 in box

#S1781 ... 2½x3½, sq. 160

#S1782 ... 3x4½, sq. 90

#S1783 ... 3½x5½, sq. 72

#S1784 ... 4x6, in oval 100

Carton $5c

"Sig-Tite"—16 labels in sheet, shown in back cover. Over 1,000 labels to pkg. Pkg ... 10c

#S1791 ... 1½x1 ... 75c

#S1792 ... 3½x1 ... 1.50

#S1793 ... 1½x1½ 400 ... Doz. labels

#S1794 ... 1½x1½ 200 ... 87c

#S1797 ... 2½x1½ 150 ... 1.50

COOKING RECIPE FILE

#S850—Hardwood, golden oak finish, hinged drop-back cover. 100 ruled cards 4x6 in. 20 dividing index guides, capacity 250 cards. 3 in carton ... Each $4.66

Doz. $6.25

SHIPPING TAGS

Standard tags, good wt. tough manila, reinforced eyelets, without strings. 1 M in box ... Per M

#S1835—1½x3¼ ... $1.00

#S1847—2½x4¾ ... 1.15

#S1854—2½x4¾ ... 1.35

"Han-Dee" Dustproof Letter File

An excellent file that every merchant needs. Note the dustproof construction

#S818 11 x 14 x 3½ flanged cover, dustproof, with rod at back, lowers parcels and letters with rod at front, holds them well up in back, both ends open, 3 in. wide ... Each $0.42

Doz. lots, Doz. 4.75

CASH SALES CHECKS

Wire ... Per M

#S2—Duplicate sheet, perforated, for re-order sales ... Per M $3.00

In 250-sheet lots ... $28.50

#S2½—Duplicate sheet, perforated, for re-order sales, 10 sets to a strawboard back, wrapping ... Per M $30.00

In 250-sheet lots ... $3.15

"WEIS" LEDGER, ACCOUNT AND COLLECTION FILE

#S806 Mfrs. 322) Consists of golden oak base and top, nickel plated wire arches, set of cloth faced indexed and ruled sheets in stock ... Each $1.80

Extra Leaves

#S806—Mfrs. 320) ... Extra leaves for S806 File ... Per M $1.26

BOX LETTER FILE

#S830 "Electric" 11x12½ ... and bank pants ... and wire paper covered in front right and left ... Doz. in shipping case ... Doz $4.20

BRISTOL BOARD

For making your own price tickets, window cards, etc.

14x22, highly finished, good stock, 25 sheets in pkg ... Pkg 65c

#S1334 4-ply white ... 2KG of 25 ... 87c

#S1336—4 ply, colored, assorted ... Pkg of 25 ... $1.20

SIGN PRINTING OUTFITS

Sheet rubber letters fastened on wood blocks, with pad and rule and ... Each $2.25

#S2801 ... Each $2.80

#S2802 ... Each $5.85

#S2805 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2806 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2807 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2808 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2809 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2810 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2811 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2812 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2813 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2814 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2815 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2816 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2817 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2818 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2819 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2820 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2821 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2822 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2823 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2824 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2825 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2826 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2827 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2828 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2829 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2830 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2831 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2832 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2833 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2834 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2835 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2836 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2837 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2838 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2839 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2840 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2841 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2842 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2843 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2844 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2845 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2846 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2847 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2848 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2849 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2850 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2851 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2852 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2853 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2854 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2855 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2856 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2857 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2858 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2859 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2860 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2861 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2862 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2863 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2864 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2865 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2866 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2867 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2868 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2869 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2870 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2871 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2872 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2873 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2874 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2875 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2876 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2877 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2878 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2879 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2880 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2881 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2882 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2883 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2884 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2885 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2886 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2887 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2888 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2889 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2890 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2891 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2892 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2893 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2894 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2895 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2896 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2897 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2898 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2899 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2900 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2901 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2902 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2903 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2904 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2905 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2906 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2907 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2908 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2909 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2910 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2911 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2912 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2913 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2914 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2915 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2916 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2917 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2918 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2919 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2920 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2921 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2922 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2923 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2924 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2925 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2926 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2927 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2928 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2929 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2930 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2931 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

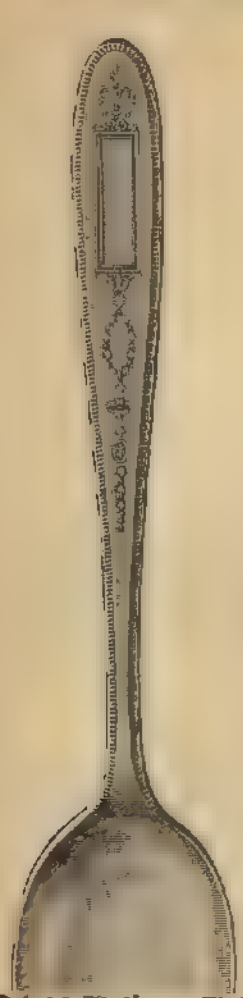
Total 100 pieces and 2 rules ... Each $2.25

#S2932 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only ... Each ... Per M $1.26

Total 100 pieces and 2 rules ... Each $2.25

#S2933 — Open letter outfit, prints outline only, for using rubber in the center, ½ in. 1 in., 2 in alphabets and figures, and one set of 3 in. figures only

ONEIDA COMMUNITY SILVER PLATED WARE



(Bright Platinum Finish)

ADAM (Bright)

PATRICIAN (Bright)

SHERATON (French Gray)

	Teaspoons	Dessert Spoons	Table Spoons	Spoon Handle Dessert Forks	Spoon Handle Medium Forks
Grosvenor ..... per dozen	$9 00	$17 40	$18 00	$17 40	$18 00
Adam ..... per dozen	9.00	17.40	18.00	17.40	18.00
Patrician ..... per dozen	9 00	17 40	18 00	17.40	18.00
Sheraton ..... per dozen	9.00	17 40	18.00	17.40	18.00

HALF DOZEN IN A BOX

BUTTER KNIVES

Grosvenor ..... per dozen	$18.00
Adam ..... per dozen	18 00
Patrician ..... per dozen	18 00
Sheraton ..... per dozen	18 00

ONE IN A VELVET LINED BOX

SUGAR SPOONS

Grosvenor ..... per dozen	$18.00
Adam ..... per dozen	18 00
Patrician ..... per dozen	18.00
Sheraton ..... per dozen	18.00

ONE IN A VELVET LINED BOX

ROUND BOWL SOUP SPOONS

Grosvenor ..... per dozen	$18.00
Adam ..... per dozen	18.00
Patrician ..... per dozen	18.00
Sheraton ..... per dozen	18.00

HALF DOZEN IN A PLAIN BOX

BOUILLON SPOONS

Grosvenor ..... per dozen	$16.50
Adam ..... per dozen	16.50
Patrician ..... per dozen	16.50
Sheraton ..... per dozen	16.50

HALF DOZEN IN A VELVET LINED BOX

ONEIDA COMMUNITY SILVER PLATED WARE

See Page 2691 for Large Size Illustrations of Oneida Community Patterns.

SUGAR TONGS

Grosvenor	..per dozen	$21.35
Adam	..per dozen	21.35
Patrician	...per dozen	21.35
Sheraton	..per dozen	21.35

ONE IN A VELVET LINED BOX

BUTTER KNIFE AND SUGAR SPOON SETS

Grosvenor	.per dozen sets	$36.00
Adam	...per dozen sets	36.00
Patrician	...per dozen sets	36.00
Sheraton	..per dozen sets	36.00

ONE SET IN A VELVET LINED BOX

COFFEE SPOONS

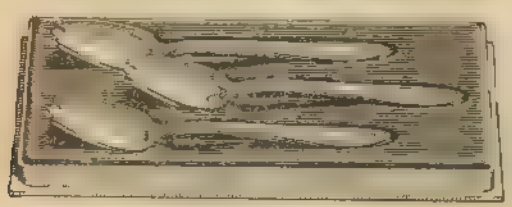
Grosvenor	.per dozen	$9.00
Adam	.per dozen	9.00
Patrician	.per dozen	9.00
Sheraton	.per dozen	9.00

HALF DOZEN IN A VELVET LINED BOX

5 O'CLOCK TEA SPOONS

Grosvenor	.per dozen	$9.00
Adam	.per dozen	9.00
Patrician	.per dozen	9.00
Sheraton	.per dozen	9.00

HALF DOZEN IN A VELVET LINED BOX



ORANGE SPOONS

Grosvenor	.per dozen	$13.00
Adam	.per dozen	13.00
Patrician	.per dozen	13.00
Sheraton	.per dozen	13.00

HALF DOZEN IN A VELVET LINED BOX

ICED TEA OR ICED DRINK SPOONS

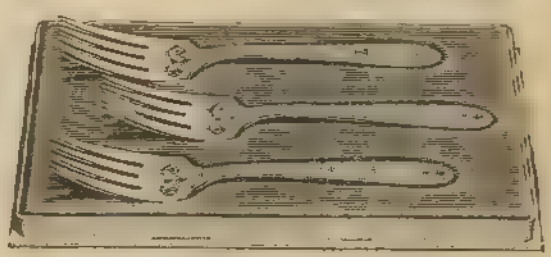
Grosvenor	.per dozen	$14.20
Adam	.per dozen	14.20
Patrician	.per dozen	14.20
Sheraton	.per dozen	14.20

HALF DOZEN IN A VELVET LINED BOX

BUTTER SPREADERS (Flat Handle)

Grosvenor	.per dozen	$14.20
Adam	..per dozen	14.20
Patrician	...per dozen	14.20
Sheraton	.per dozen	14.20

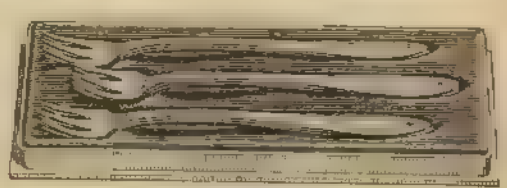
HALF DOZEN IN A VELVET LINED BOX



INDIVIDUAL SALAD FORKS

Grosvenor	.....per dozen	$16.50
Adam	..per dozen	16.50
Patrician	.per dozen	16.50
Sheraton	.....per dozen	16.50

HALF DOZEN IN A VELVET LINED BOX



OYSTER FORKS

Grosvenor	per dozen	$11 60
Adam	.per dozen	11.60
Patrician	.per dozen	11.60
Sheraton	.per dozen	11 60

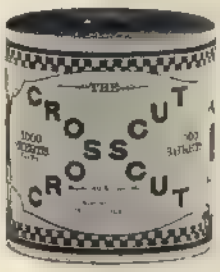
HALF DOZEN IN A VELVET LINED BOX

TOILET PAPERS

No. 116

No. 122

The Bob White Nos. 116 and 122 is a much better grade of paper and a larger number of sheets than is found in the usual inexpensive roll.



No. 98

A strong, well made Manilla tissue

No. 39

The finest satin tissue and actually cheaper than inferior papers.

No. 56

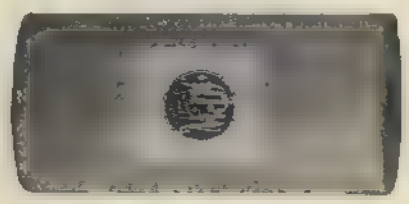
The same tissue as No. 39, 4 rolls in a carton

No. 16

The folded A. P. W. paper, "Onliwon" that is served from cabinets. Packed in cartons.

No.	Name	Size Sheet	In Roll	In Package	In Carton	In Case	Weight	Per Case
116	Bob White	4¼x5¼ in.	4½ ozs.	....	.....	100 rolls	34 lbs.	$4.50
122	Bob White	4¼x5¼ in.	7 ozs.	.....	.....	100 rolls	50 lbs.	7.75
98	Cross Cut	4¾x5½ in.	1000 sheets	.....	.....	100 rolls	70 lbs.	15.00
39	A. P. W.	5 x5¾ in.	2500 sheets	.....	.....	100 rolls	170 lbs.	46.25
56	A. P. W.	5 x5¾ in.	2500 sheets	.....	4 rolls	24 cartons	169 lbs.	45.00
16	Onliwon	5 x5¾ in.	.....	1000 sheets	8 pkgs.	24 cartons	157 lbs.	45.00

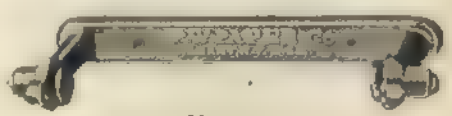
PAPER TOWELS



No. 504B "Onliwon"

Made from clean spruce logs, natural color. 150, 11⅜x15 inch towels in a roll.
Packed, 50 rolls. Weight, 129 lbs. .. ....per case. **$18.00**

PAPER TOWEL HOLDER



No. 701

For rolls of towel paper 11⅜ inches wide. Automatic with non-adjustable friction. Nickel plated.

Packed, ⅓ doz. Weight, 2¾ lbs. .....per dozen, **$18.00**

ALBANY HARDWARE & IRON CO.

RAZOR STROP AND ROBE HOOKS

No. 3779
No. 03779

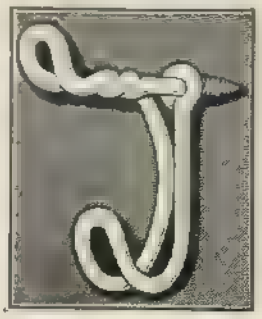
No. 3772
No. 03772

No. 5852

No.	Project	For	Material	Finish	Packed	Weight	Per Doz
3779	1 in.	razor strops	brass	nickel plated	2 doz	1⅛ lbs	$1.80
03779	1 in.	razor strops	brass	white enam.	2 doz	1⅛ lbs.	3.00
3772	1½ in.	clothes	brass	nickel plated	2 doz.	1⅜ lbs	1.80
03772	1½ in.	clothes	brass	white enam	2 doz	1⅜ lbs.	3.50
5852	1¼ in.	clothes	brass	nickel plated	2 doz	2 lbs	3.00

BATH ROOM CLOTHES HOOKS

No. A
Heavy. White enameled



No. B
Light. White enameled

No.	Project	Packed	Weight	Per Doz.
A	3 in.	3 doz.	6 lbs.	$1.85
B	3¼ in.	3 doz.	2½ lbs.	.65

No. 5853

No. 3175

No. 03776

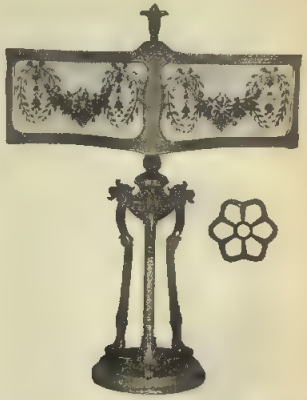
No.	Project	Material	Finish	Packed	Weight	Per Doz.
5853	2¾ in.	brass	white enam.	1 doz.	1⅜ lbs.	$3.00
3175	3 in.	brass	nickel plated	1 doz.	2 lbs.	9.00
03776	2 in.	brass	white enam.	½ doz.	¾ lb.	3.75

Electric Table Lamps—Selected Quality

Fitted with 6 feet silk cord and adjustable socket plugs. These are products of recognized studios. PRICES EACH.

No. **9B236** Table Lamp. Two light. Pull chain socket. Extreme height, 23½ in., height to shade, 14½ in.; diameter of shade, 18 in. Ribbed glass panels. Coral green art metal base, and frame in Zarta bronze. A very attractive lamp. Price..$41.00

No. **9B237** Height, 18 in.; diameter of shade, 14 in. Hand painted shade, a beautiful tropical landscape scene in natural colors, upper portion of shade blending from amber to a light tint of blue. Stand finished in green and nickel trimmed. Price....$32.90



No. **9B238** Table Lamp. Two light. Pull chain socket. Extreme height, 25 in.; height to shade, 16 in.; diameter, 20 in. Shape of shade is shown in small diagram. Ribbed glass panels in ivory, handsomely decorated. Art metal stand and frame in dubre grey. A wonderful value and very attractive. Price $32.50

No. **9B240** Table Torchere. Two lights. Standard candle sockets with concealed switch control. Extreme height, 24¾ in.; height to shade, 15⅛ in.; extreme diameter, 20 in. Decorated ribbed tan glass. Small diagram shows oval shape of shade. Base and frame in Mars green. Price.....$36.10

No. **9B239** Height to top of shade, 19 in., diameter of shade, 14 in. The color in the shade is harmoniously combined by a mahogany and red band conventionalized on an ecru, golden tinged background. The portable or lamp represents a solid mahogany standard, banded and capped with a 14-karat plate of a conventional design. The lamp is equipped with two pull chain sockets. Price $23.40

ELECTRIC TABLE TORCHERE

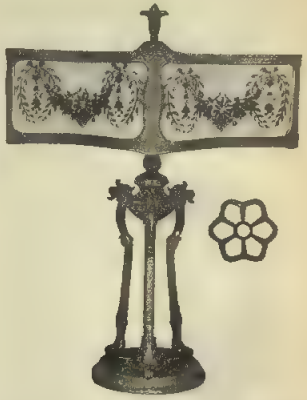
No **9B241** Table Lamp Torchere with three electric bulb candles. Extreme height, 26½ in.; diameter of shade, 18 in. Turn socket in base lights all candles. Latest design. Flat pan shade with ripple ribbed glass panels to form the apron of shade. Panels hand decorated in beautiful floral garland effect. Finish Bure de Luxe. Price, complete.....$51.75

Electric Table Lamps—Selected Quality

Fitted with 6 feet silk cord and adjustable socket plugs. These are products of recognized studios. PRICES EACH.

No. **9B236** Table Lamp. Two light. Pull chain socket. Extreme height, 23½ in., height to shade, 14½ in.; diameter of shade, 18 in. Ribbed glass panels. Coral green art metal base, and frame in Zarta bronze. A very attractive lamp. Price..$41.00

No. **9B237** Height, 18 in.; diameter of shade, 14 in. Hand painted shade, a beautiful tropical landscape scene in natural colors, upper portion of shade blending from amber to a light tint of blue. Stand finished in green and nickel trimmed. Price....$32.90



No. **9B238** Table Lamp. Two light. Pull chain socket. Extreme height, 25 in.; height to shade, 16 in.; diameter, 20 in. Shape of shade is shown in small diagram. Ribbed glass panels in ivory, handsomely decorated. Art metal stand and frame in dubre grey. A wonderful value and very attractive. Price $32.50

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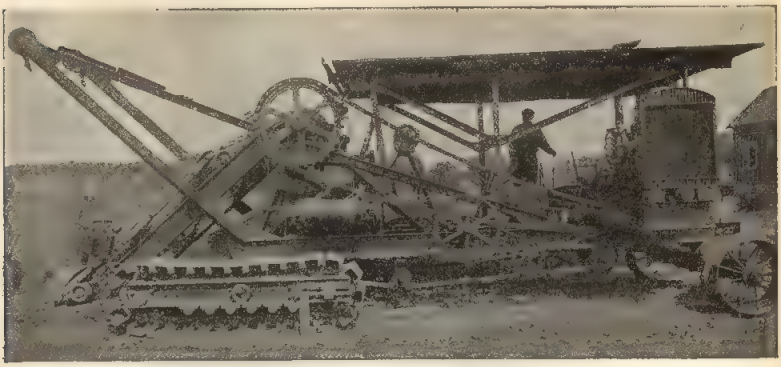


The P. & H. Trencher Digs Deep and Piles Up Profits

Pawling & Harnischfeger Ladder Type Trenching Machines

The P. and H Ladder Type Trenching Machines as illustrated above are designed for cutting trenches of from 23″ to 42″ in width and up to 18′0″ in depth. These machines are used where it is necessary to cut deep trenches below the frost line or where the grade demands deep ditches. Sewer and other contractors, Water Works departments and Gas Companies use this machine extensively.

The P. and H. Ladder Type Trenching Machines cut curves of practical radius right or left as desired, work on grades as steep as 15% and can climb grades as steep as 50% by throwing in the digging traction. These machines cut readily through very hard soil and through soils containing rock.

The amount of trench which can be cut with these machines varies greatly, but 500 to 750 lineal fee of 30″ trench from 10 to 12 feet deep in an 8-hour day is no unusual performance. Gasoline consumption is also a varying quantity but 20-25 gallons of gasoline and 2 quarts of oil is the average.

BRIEF SPECIFICATIONS

The car bodies of P. & H. Machines are strongly built of structural steel and have three point suspension motors of the 4-cylinder internal combustion heavy-duty type with high-grade impluse starter magnetos, air cleansers and governors. All gearing is of steel, practically all having cut teeth. Turned shafting is used, ground to size, heavy duty shafts being of forged steel. All operating levers are grouped within easy reach of the operator. Feeding speeds are changed by gear shifts so that change of sprockets is not necessary for each speed. This greatly increases digging capacity. The hoisting and lowering of the booms is accomplished by drums operated by reversible self-locking worm and worm gears enclosed and running in oil. The corduroy tractors are of the well-known P. & H , self-cleaning type, the corduroy link pins being of chrome manganese steel. The digging ladder is of extra heavy box section, removable without disturbing the upper tumbler bearings. Buckets are of pressed steel: side cutters and rooters are of high carbon tool steel which can be reforged and sharpened when dull. The spoil conveyor is arranged to discharge at either side of the machine interchangeably.

The various sizes of P. & H. Ladder Type machines with minimum and maximum width and depth of cuts together with full descriptions are given in a special bulletin which will be sent upon request.

P. & H. Backfillers and Tampers

P. & H. One Man Backfiller

P. & H. TOM THUMB BACKFILLER

The P. & H. "Tom Thumb" Backfillers are used by many telephone, electric light, and gas companies, contractors and others who do light trenching. These machines are especially well suited to their needs for the following reasons:

They do not represent a big investment and consequently do not "consume" much interest when idle. Operation is very simple and any laborer of ordinary intelligence can learn to run them. They are of narrow width and can be used in narrow alleys or crowded streets without blocking traffic. No booms are used and for this reason the "Tom Thumb" can be used in narrow alleys or other restricted places where no other type of backfiller can be used. The design is simple and rugged so that with ordinary care they give long continuous service. Under ordinary conditions these little machines will backfill about 150 cu. yards of spoil per day.

The wheels both front and rear have plate steel tires and steel spokes. All gears are of steel or semi-steel, spur gears having cut teeth. Backward or forward movements are at the rate of 1½ miles per hour. The engines are of the single cylinder vertical type, 6 H. P. provided with governors.

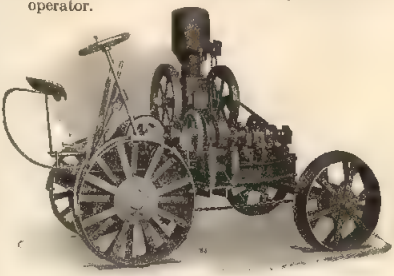
P. & H. ONE MAN TRACTION BACKFILLER

One of the most troublesome and expensive operations which confronts contractors on water, gas, or other trench work is backfilling. The cost of this operation sometimes equals the cost of excavating itself. Usually the dirt in the spoil bank has settled to such an extent that it requires almost the same effort to move it as it did to take it from the trench.

The P. & H. Power Traction Backfillers are used extensively by contractors to lower their backfilling costs. Four hundred cubic yards of spoil can be backfilled in one day easily with only one man, the operator.

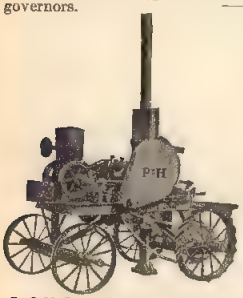
The booms of these machines are adjustable; 20 feet, being the minimum length and 30 ft., the maximum length. The motors are of the 4-cylinder internal-combustion heavy duty type.

Machines are of all steel construction. Cut gears are employed throughout. All operating levers are concentrated within easy reach of the operator.



P. & H. "Tom Thumb" Backfiller

The P. & H. Line reduces the number of horses required on the job, are quick, powerful, easily cared for and operated, and save money all along the line. ***Time is always money to the busy contractor.***



P. & H. Power Traction Tamper

P. & H. POWER TRACTION TAMPERS

P. & H. Power Traction Tampers are used to eliminate the arduous labor of manual tamping. They are equipped with tamping bars weighing 150 lbs. and have a tamping rate of 42 blows per minute.

The machines can be adjusted to the width of the trench by means of sliding wheels adjustable between widths of 58" and 76". The tamping bars can be traversed left or right at the operator's will so as to cover trenches of maximum width of 30". Power is transmitted to the rear wheels by means of chains. While the machines are tamping they move backward or forward as desired at the rate of 6 feet per minute. Traveling between jobs they have a road speed of 1½ miles per hour.

Wheels have plate steel tires with steel spokes. The steering gear consists of a worm and wheel on a cross shaft, steel cable connected to front axle. Transmission of power is by friction clutches, gears, and chains. Power plant consists of single cylinder 3 H. P. engine.

More complete information on the Power Traction Backfiller, the "Tom Thumb" Backfiller, and Power Traction Tampers is contained in a special bulletin which will be sent upon request.

Earth Tamped With a P. & H. Tamper Is Through Settling.

PAGE-LEWIS SINGLE SHOT RIFLES

American Made

24 inch Round Barrel, .22 L. R. Caliber; Combination Front, Sporting Rear and Peep Tang Sights; Plain Extractor, Steel Frame; Blued; Lever Action, Steel Lever; Tool Steel Hammer and Trigger; Oval Walnut Stock, Varnished, Length 13 1/2 inches, Steel Butt Plate; Walnut Fore-End, Varnished, 7 5/8 inches Long.

Each

No. C22—Length Over All, 39 inches; Weight Each, 4¾ lbs. **$15 00**

One in a Box

22 inch Round Barrel, .22 L. R. Caliber; Bead Front and Sporting Rear Sights, Plain Extractor; Steel Frame, Blued, Lever Action, Steel Lever; Tool Steel Hammer and Trigger; Oval Walnut Stock, Varnished, Length 15 1/2 inches, Steel Butt Plate; Walnut Fore-End, Varnished, 6 5/8 inches Long.

Each

No. B22—Length Over All, 36 inches; Weight Each, 3¾ lbs. **$12 20**

One in a Box

20 inch Round Barrel, .22 L. R. Caliber; Bead Front and Open Rear Sights; Plain Extractor; Steel Frame, Blued; Lever Action, Steel Lever; Tool Steel Hammer and Trigger; Oval Walnut Stock, Varnished, Length 12¾ inches; Walnut Fore-End, Varnished, 5⅝ inches Long.

Each

No. A22—Length Over All 34 inches; Weight Each, 3½ lbs. **$9 50**

One in a Box

20 inch Steel Barrel, Bead Front and Open Rear Sights, Fully Rifled; Walnut Stock, Flat Sides; Improved Bolt Action, Take Down. Shoots .22 Short Rifle Fire, .22 Long Rifle Fire and .22 Long Rim Fire Cartridges.

Each

No. D22—Length Over All 32 inches; Weight Each, 3 lbs. **$7.50**

One in a Box

MARBLE GAME-GETTER GUNS

DOUBLE BARREL, SINGLE SHOT

22 Caliber Rifle Barrel and 44 Caliber, or 410 Gauge Smooth Bore for Shot or Round Shell.

Round Blued Barrels; Drop Forged Blued Frame; Single Trigger; Rubber Grips; Nickel Plated Steel Tubing Stock; Finest Case Leather Holster; Weight Complete About 35 ozs. Shoots 44 Shot and Ball Cartridges, 410 Gauge Loaded Shells, 22 Short, Long and Long Rifle Cartridges; also CB Caps When Loaded with Black Powder.

Each

No. M2112—12 inch Barrels **$13 60**

No. M2115—15 inch Barrels **15 00**

No. M2118—18 inch Barrels **18.00**

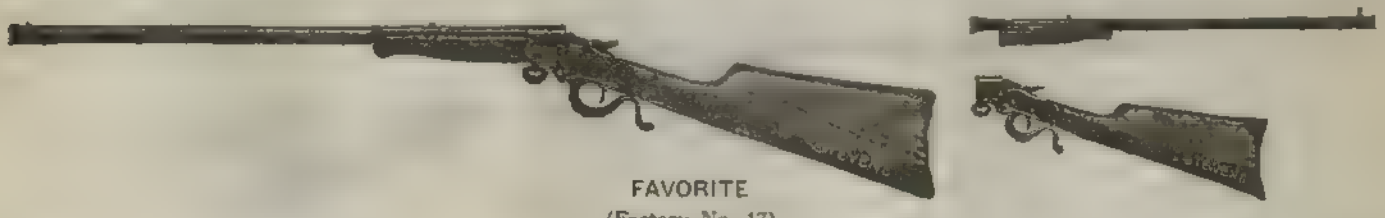
One in a Box

STEVENS RIFLES

MARKSMAN
(Factory No. 12)
Take Down Single Shot
Heavy Breech; Designed Especially for Smokeless Powder Ammunition

28 Inch Round Tip-up Barrel; Blued Frame, Plain Lever, Positive Extractor, Full Oval Stock; Shot Gun Butt with Rubber Butt Plate; Bead Front and Open Rear Sights.

Each
No. 122—22 Caliber; Shoots 22 SRF, .22 LRF or .22 Long Rifle RF Cartridges, Also BB and CB Caps. Weight 4 lbs. **$13.00**
One in a Box



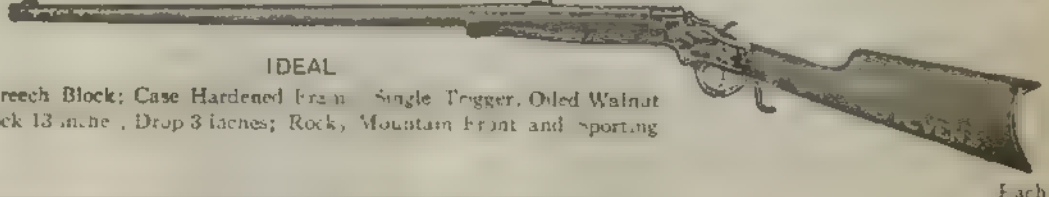
FAVORITE
(Factory No. 17)
Take-Down Single Shot

Should the Lever of the Favorite Rifle Become Loose, Adjust it as Follows: Turn Forward the Lever, a Small Screw will be Seen in the Breech Block, Directly Under the Rear of the Barrel, by Turning this Screw Out, the Lever will Stand Harder, or by Turning it In, it will Lesser the Snap.

24 Inch Half Octagon; Solid Breech Block; Case Hardened Frame; Single Trigger; Oiled Walnut Stock and Fore-Arm, Regular Shot Gun Butt; Rubber Butt Plate; Rocky Mountain Front and Sporting Rear Sights.

Each
No. 172—22 Caliber, with Automatic Ejector, Shoots 22 SRF, 22 LRF or 22 Long Rifle RF Cartridges, Also BB and CB Caps. Weight 4½ lbs. **$14 80**
One in a Box

STEVENS TARGET RIFLES

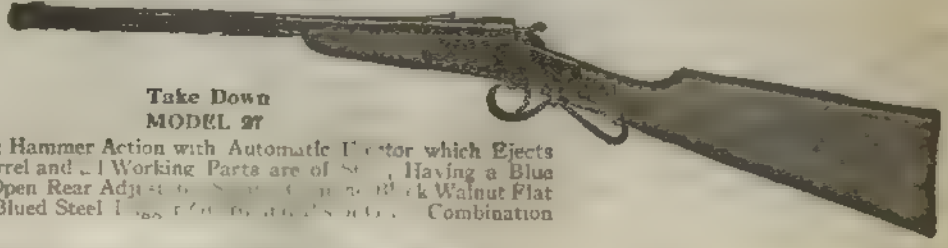


IDEAL

24 Inch Half Octagon Barrel; Solid Breech Block; Case Hardened Frame; Single Trigger, Oiled Walnut Stock and Fore-Arm, Regular Rifle Butt; Stock 13 inches, Drop 3 inches; Rocky Mountain Front and Sporting Rear Sights.

Each
No. S4422—22 Caliber, with Automatic Ejector; Shoots 22 Long Rifle RF Cartridges Only. Weight 7 lbs. **$31 50**

HAMILTON RIFLES



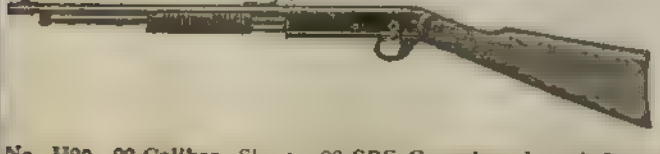
Take Down
MODEL 27

16 Inch Bronze Barrel with Steel Jacket, Tapered; Hammer Action with Automatic Ejector which Ejects Empty Shells when Rifle is Opened; Outer Jacket of Barrel and all Working Parts are of Steel, Having a Blue Black Gun Finish; Fitted with Knife Blade Front and Open Rear Adjustable Sights; Oiled Walnut Flat Stock and Fore-Arm; Straight Grip with Combination Blued Steel Butt Plate; Combination Revolving Breech and Lock.

Each
No. H27—22 Caliber; Shoots 22 SRF and 22 LRF Cartridges, Length Over All 31 inches, Weight 2½ lbs. **$1 60**
One in a Box

HAMILTON REPEATING RIFLES

MODEL 39



Hammerless Takedown Model with Pump Action; Magazine Holds 15 Short Rim Fire Cartridge. Automatic Lock Prevents Accidental Discharge while Operating Pump Action. Safety in Rear of Trigger Guard May be Used to Prevent Discharge When Rifle is Loaded.

Barrel is Bronzed Lined, Accurately Rifled and has a Solid Steel Breech Front Sight Knife Pattern; Rear Sight Open and Adjustable; Stock and Fore-Arm Genuine Walnut.

Each
No. H39—22 Caliber; Shoots 22 SRF Cartridges, Length Over All 36 inches, Weight Each, 4 lbs. **$18.00**
One in a Box

Lamps for boudoir or table

1027 Boudoir lamp
Polychrome finished metal base with imported 8-in. hand-painted glass shade. Complete, $8.50

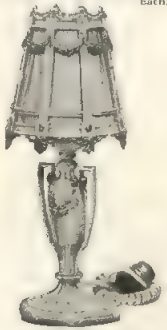
1042 Desk lamp
Combined lamp and incense burner. An unusual lamp and one that will command a ready sale. Finish Royal bronze. Each, $13.00

Petite boudoir light
1004 Shade. Beautiful fancy shape, 5 inches wide, covered in best quality pleated georgette and lined and interlined with silk. Colors: Rose and black, gold and black. Each, $3.50
1005 Base. This lustre vase is the daintiest and neatest boudoir lamp we have ever seen. The fire in the color is wonderful. Colors: Lavender, French blue and burnt orange. Each, $5.50

1150 Writing boy
Same as No. 1149 in another design. These lamps are usually used in pairs and are especially good for children's rooms or on spinet desks and odd tables. Each, $3.30
1154 Shade
Parchment leatherette in delicate shades of blue, rose or gold. Each, $1.10

1149 Reading Girl
A small novelty boudoir lamp made of marble dust and colored to antique ivory. This lamp must not be confused with the cheap breakable terra-alba (white earth) lamps. Height 12 inches. Each, $3.30
1154 Shade
Parchment leatherette in delicate shades of blue, rose or gold. Depth, 6 inches. Each, $1.10

1045 Candlestick
Fully wired for electric bulb. Usually used in pairs. Finish Old Dutch silver effect. Pair, $16.00



1002 Boudoir lamp
A special item. Height 12 inches. Note that shade is lined with shirred silk in rose. The base is of metal finished in polychrome or ivory. Each, $2.90

1041 Boudoir lamp
Height, 14½ inches. The background of the shade is light tan, with dainty colored rosebuds and leaves. The metal base is finished a rich shade of ivory. Each, $11.00

1039 Boudoir lamp
Height, 14 inches. This boudoir lamp carries a glass shade in a soft shell-pink, while the metal base is old ivory finish. Each, $11.00

1047 Electric portable lamp
Total height, 21 inches; extreme diameter of round shade, 16 inches. The subject of this shade is entitled "The Swans." To add harmony to the art of the shade it is mounted on a metal base electroplated in bronze green. Each, $34.00

Lamp cords
Made of pure silk throughout. Designed as shown above. Can be had in the following colors: Sand and gold, old rose and gold, blue and gold and black and gold.
1080 Per cord, $1.00 In dozen lots, $10.00
1081 Per cord, 1.30 In dozen lots, 12.00

1049 Electric portable lamp
Total height, 22½ inches. Diameter of shade, 16 inches. The wildness of the hillside, the rocky roadway leading into the dense forest, the placid sky beyond in the open, is here conveyed, and all in natural colors. It is mounted on a triangular pedestal effect base, electroplated in color of Dresden. Each, $42.00

Exclusive items

61201 Floor lamp
Wrought iron, with 16 in. parchment shade, in rich brown color, decorated in banded design
Complete, $30.00
61201A Shade only
Each, $15.00

61202 Taper candles
Assorted mottled colorings, 10 in. high. Packed in a box. **Pair $0.70**

61203 Antique candles
With figured design in relief, and decorated in gold stipple and colors, 9 in. high. Packed in box **Pair, $0.70**

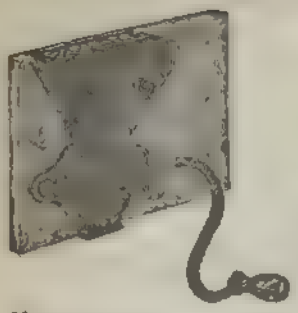
6135 Pottery lamp
Base finished in mirror black, and 8 in. parchment shade in mottled brown color, finished with black and gold braid, height, 13 inches. **Complete, $4.00**
6135A Shade only. Each, $1.00

6136 Table lamp
Black glass vase, mounted on gold plated base, with oval shade of pleated georgette over lustre glow, braid and ribbon trimmed, height 18 inches. **Complete, $18.50**
6136A Shade only Each, $10.50

6137 Table lamp
Mirror black glass vase, on gold base, 14 in. oblong shade, black georgette pleated top over gold and black silk fringe with fancy prism trimming, height, 24 inches. **Complete, $30.00**
6137A Shade only. Each, $20.00

6138 Bridge lamp
Ornamental wrought iron base, and colored parchment shade, decorated in conventional design. **Complete, $17.20**
6138A Shade only.
Each, $2.20

COFFEE MILLS

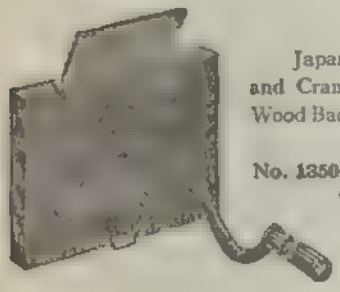


PARKER EAGLE

Black Japanned; Stamped Steel Hopper and Cover; Cast Iron Body and Crank. Adjustable Chilled Iron Grinders; Hardwood Back.

Nos.	50	60	70	80
Width Hopper, ins.	3	5	6½	7½
Depth Hopper, ins.	½	1	4	5½
Back, ins.	6x8	7x9	7x10	9x12
Weight, lbs.	40	50	55	100
Per Dozen	$16 00	18.00	21.50	34.00

Half Dozen in a Case



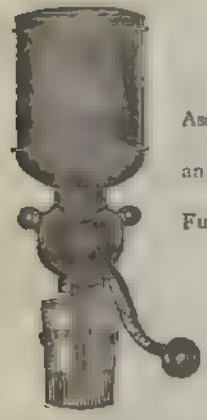
PARKER

Japanned Cast Iron Hopper, Body, Cover and Crank; Adjustable Chilled Iron Grinders; Wood Back.

Per Dozen

No. 1350—Hopper 4 inches Wide, 2¾ inches Deep; Back 7⅜x6⅜ inches; Weight per Dozen 34 lbs.....$12 00

One Dozen in a Case



PARKER

Round Steel Hopper

Patent Ratchet Adjusting Nut that Positively Assures Uniform Granulations.

New Style Tumbler Holder; Tumbler Easily and Quickly Removed when the Coffee is Ground.

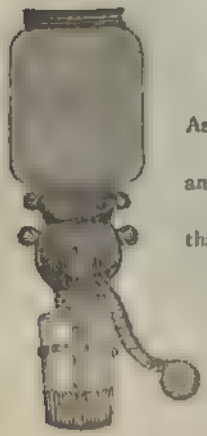
The Cap Makes the Hopper Air Tight so that the Full Strength of the Coffee is Kept Intact.

Finish, Black Enamel.

Per Dozen

No. 444—Capacity of Hopper 1 lb.; Weight per Dozen, 41 lbs.....$25.00

One in a Carton; One Dozen in a Crate



PARKER

Pulverizing; Glass Canister

Patent Ratchet Adjusting Nut that Positively Assures Uniform Granulations.

New Style Tumbler Holder; Tumbler Easily and Quickly Removed when the Coffee is Ground.

The Screw Cap Makes the Hopper Air-Tight so that the Full Strength of the Coffee is Kept Intact.

Finish, Black Enamel.

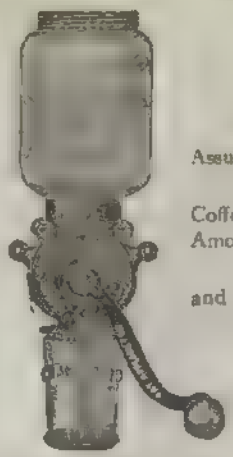
Grinds Easily and Rapidly.

Per Dozen

No. 449—Capacity of Hopper, 1 lb.; Weight per Dozen, 58 lbs.....$27 00

One in a Carton; One Dozen in a Crate

COFFEE MILLS



PARKER

Pulverizing; Glass Canister

Patent Ratchet Adjusting Nut that Positively Assures Uniform Granulations.

Graduated Glass Receiving Tumbler Measuring Coffee by the Tablespoonfuls to Insure Using Correct Amount of Ground Coffee.

New Style Tumbler Holder. Tumbler Easily and Quickly Removed when the Coffee is Ground.

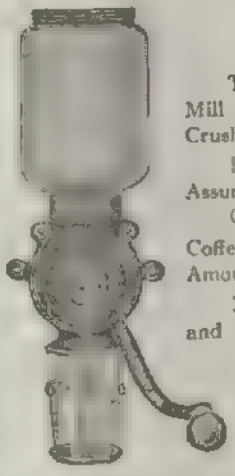
The Screw Cap Makes the Hopper Air-Tight so that the Full Strength of the Coffee is Kept Intact.

Finish, Black Enamel.

Per Dozen

No. 441—Capacity of Hopper, 1 lb.; Weight per Dozen, 68 lbs.....$35 50

One in a Carton; Half Dozen in a Crate



PARKER

Pulverizing; Glass Canister

These Grinders are a New Departure in Family Mill Construction; Cutting the Coffee in Place of Crushing it.

Patent Ratchet Adjusting Nut that Positively Assures Uniform Granulations.

Graduated Glass Receiving Tumbler Measuring Coffee by Tablespoonfuls to Insure Using Correct Amount of Ground Coffee.

New Style Tumbler Holder; Tumbler Easily and Quickly Removed when the Coffee is Ground.

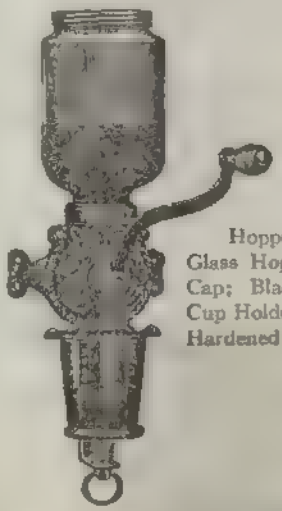
The Screw Cap Makes the Hopper Air-Tight so that the Full Strength of the Coffee is Kept Intact.

Finish, Black Enamel.

Per Dozen

No. 446—Capacity of Hopper, 1 lb. Weight per Dozen 90 lbs.....$41 00

One in a Carton, Half Dozen in a Crate



CRYSTAL

Hopper Holds One Pound of Coffee; Crystal Glass Hopper and Cup; Metal Rimmed Glass Screw Cap; Black Enameled Cast Iron Body and Crank; Cup Holder Adjustable for Any Size Cup; Adjustable Hardened Cast Grinders; Air-Tight Hopper.

Per Dozen

No. C—Height 17½ inches, Diameter Hopper 1¾ ins. Weight per Dozen, 90 lbs.....$32 50

One in a Box; Half Dozen in a Case

No. CGH—Extra Crystal Glass Hopper, Weight per Dozen, 12 lbs. 6 20

Extra Cups

COFFEE MILLS

PARKER NATIONAL

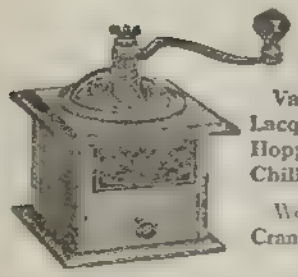
Varnished Dovetailed Hardwood Box; Lacquered Bronzed Top and Crank; Sunken Hopper with Slide Cover; Adjustable Chilled Iron Grinders.

Steel Top; Iron Hopper Cover and Grip Handle; Wood Drawer.

Per Dozen

No. 431—Box 4¾ inches High; Base 5x5 inches; Weight per Dozen, 66 lbs. **$27 50**

Half Dozen in a Case



PARKER NATIONAL

Varnished Dovetailed Hardwood Box; Lacquered Bronzed Top and Crank; Sunken Hopper with Slide Cover; Adjustable Chilled Iron Grinders.

Wood Top, Iron Hopper Cover and Crank; Wood Drawer.

Per Dozen

No. 301—Box 4¼ inches High; Base 4⅝x5 inches; Weight per Dozen, 56 lbs. **$25 00**

Half Dozen in a Case

Varnished Dovetailed Hardwood Box; Lacquered Bronzed Top and Crank; Sunken Hopper with Slide Cover; Adjustable Chilled Iron Grinders; Wood Drawer.

Per Dozen

No. 1010—Box 4¼ inches High; Base 6x6 inches; Weight per Dozen, 50 lbs. **$20.00**

Half Dozen in a Case

PARKER

Varnished Dovetailed Hardwood Box; Lacquered Bronzed Top and Crank.

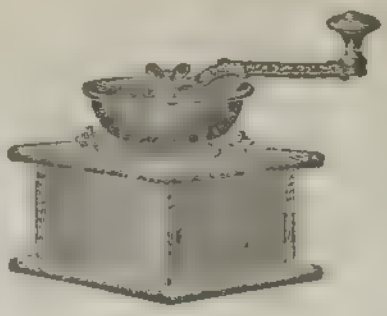
With Double Grinders; Two Adjustment Nuts on Top of Box.

Per Dozen

No. 25—Box 4¼ inches High; Base 6⅛x6 inches; Hoppers 5x2 inches; Weight per Dozen, 76 lbs. **$30.00**

Half Dozen in a Case

COFFEE MILLS



PARKER

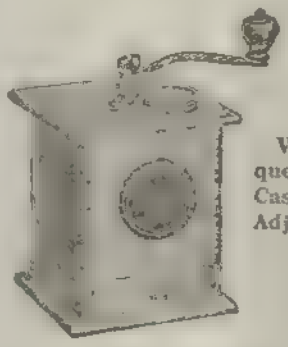
Retinned Hopper Mill

Varnished Dovetailed Hardwood Box; Retinned Hopper; Chilled Iron Grinders; Wood Drawer; a Very Rapid Grinder and Easily Operated.

Per Dozen

No. 314—Box 5x5x3 inches; Weight per Dozen, 44 lbs. **$22 00**

Half Dozen in a Case



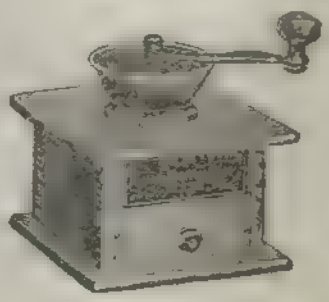
Varnished Dovetailed Hardwood Box; Lacquered Bronzed Side Handle, Crank and Castings; Wood Drawer; Sunken Hopper; Adjustable Chilled Iron Grinders.

Holds One Pound of Coffee.

Per Dozen

No. PB—Box 7⅝ inches High; Base 6⅝x6⅝ inches; Weight per Dozen, 50 lbs. **$20.00**

Half Dozen in a Case



PARKER

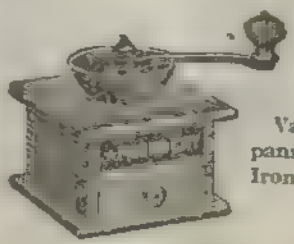
Varnished Dovetailed Hardwood Box; Lacquered Bronzed Top and Crank.

With Single Grinders; Two Adjustment Nuts on Top of Box.

Per Dozen

No. 104—Box 3 inches High; Base 5x5 inches; Weight per Dozen, 50 lbs. **$19.50**

Half Dozen in a Case



★MOUND CITY

MOUND CITY TRADE MARK

Varnished Dovetailed Hardwood Box; Japanned Cast Iron Raised Hopper; Chilled Iron Grinders; Wood Drawer.

Per Dozen

No. MC—Box 3¾ inches High; Base 6x6 inches; Weight per Dozen, 30 lbs. **$13.50**

Half Dozen in a Case

Colored glassware of surpassing beauty

A very profitable line to feature

Rainbow colored glass assortment

Containing one dozen each article illustrated

6¾-inch berry dish	4¾-inch handled olive dish
5¾-inch nappie	
Individual creamer	2 handled pickle dish
5-inch lily bowl	Individual sugar bowl
4½-inch footed jelly dish	4⅜-inch two handled berry dish
6-inch sherbet plate	4¼-inch footed sherbet
	7½-inch salad plate

Assortment U7707 Total 12 dozen.
Assortment, $36.00

Colored glass assortment

Containing twenty-four each of six articles in three attractive colors: Nu-green, peacock and golden gleam.

4¾-inch handled berry dish	7½-inch salad plate
	4¾-inch two handled olive dish
4½-inch lily bowl	
2 handled pickle dish	6-inch berry dish

Assortment U7710 Total 12 dozen articles to assortment. **Assortment, $42.00**

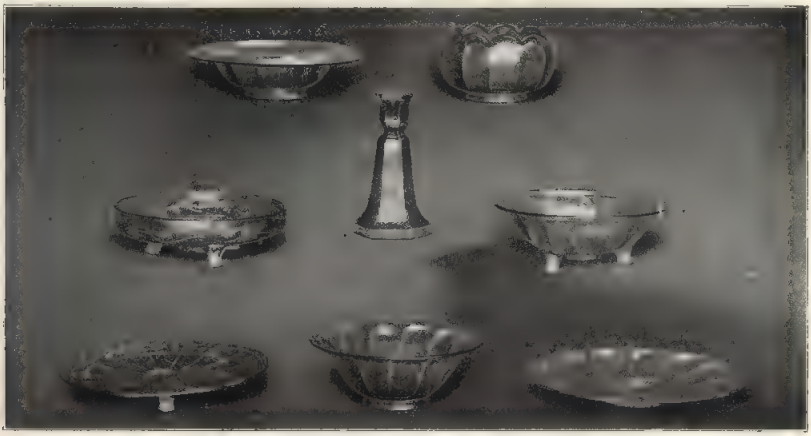
(See page 20 for color description)

Colored glass assortment

Containing six each of eight articles in two attractive colors Nu-green and golden gleam.

4¼ inch sherbet and 6-inch plate (These two counted as one piece.)	
Sugar and creamer set (These two counted as one piece)	
10½-inch footed plate	9-inch footed salad bowl
7½-inch candlesticks	
9-inch fruit bowl	8½-inch salad bowl
	6-inch lily bowl

Assortment U7714 Total 48 pieces
Assortment $28.80



Peacock colored glass assortment

Containing 4 of each article illustrated All in attractive peacock color.

10½-inch Plate	8½-inch Footed Salad Bowl	9-inch Shallow Nappie	8½-inch Salad Bowl
7½-inch Candle Stick	6½-inch Lily Bowl	10½-inch Footed Plate	9-inch Fruit Bowl

Assortment U7708 Total 32 pieces to the assortment. Each assortment packed in barrel. **Assortment, $19.50**
No package charge

Table stemware is always appropriate

Feature stemware by the set of six—you will find they will sell more readily and your sales are larger

Genuine hand cut thin blown stemware

U7760 Goblet. Capacity, 10 oz. Height over all, 6¾ inches Packed three dozen in a box. **Dozen, $5.70**

U7761, Saucer Champagne. Capacity, 5 oz. Height over all, 4½ inches Packed three dozen in a box **Dozen, $5.70**

U7762 Wine Glass. Capacity 2 oz Height over all 4 inches Packed three dozen in a box. **Dozen, $5 30**

U7751 Table Tumbler. Height over all, 4 inches. Capacity, 9 oz 6 dozen to box **Dozen, $1 60**

Genuine hand cut thin blown stemware

U7768 Goblet. Capacity, 9 oz. Height over all, 6¾ inches. Packed three dozen to a box. **Dozen, $5 70**

U7769 Saucer Champagne. Capacity, 5 oz. Height over all, 4½ inches Packed three dozen to a box. **Dozen, $5.70**

U7770 Wine Glass Capacity, 2½ oz. Height over all 4¾ inches Packed three dozen to a box. **Dozen, $5 30**

U7771 Table Tumbler. Capacity 9 oz Height over all 4 inches Packed six dozen to a box **Dozen, $2.2o**

Seven-piece crackled glass lemonade or iced tea set

U7788 Each set consists of a 65-oz. jug with cover and six 12-oz unhandled lemonade or iced tea tumblers. Each set packed in a shipping carton **Set, $7 00**

Genuine hand cut thin blown stemware

U7764. Goblet. Capacity, 10 oz. Height over all, 6¾ inches Packed three dozen to a box. **Dozen, $5 70**

U7765 Saucer Champagne. Capacity, 5 oz Height over all, 4 inches Packed three dozen to a box **Dozen, $5 70**

U7766 Wine Glass. Capacity, 2 oz. Height over all, 4 inches Packed three dozen to a box **Dozen, $5 30**

U7767 Table Tumbler. Capacity, 9 oz. Height over all, 4 inches Packed six dozen to a box **Dozen $2 20**

Seven-piece crackled glass lemonade or iced tea set

U7789. All handles and knob of cover are colored in a very attractive emerald green Each set consists of one 65 oz jug and six 12-oz handled lemonade or iced tea tumblers Each set packed in a carton **Set., $11.50**

Colored glass

U7706. Sherbet and plate in the celebrated peacock color. A very popular set Size of sherbet 4½ ins Size of plate, 6 ins. Nine dozen sets to a barrel Set consists of one sherbet and plate as illustrated. **Dozen sets, $6.50**

Lead blown table stemware

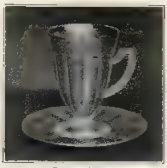
In the popular two-tone color combination, optic design The base of each is a beautiful turquoise blue. Stem and bowl is clear crystal

U7784 Goblet. Height over all, 6¾ ins.; capacity, 9 ounces One-half dozen to a box. **Dozen, $7.00**

U7785 Saucer Champagne. Height over all, 5 inches, capacity, 5½ ounces. One-half dozen to a box **Dozen, $7 00**

U7786 Wine Glass. Height over all, 4¾ inches, capacity, 2½ ounces One half dozen to a box. **Dozen, $7 00**

U7787 Iced Tea Tumbler. Height over all 4¾ inches capacity, 10 ounces One half dozen to a box **Dozen, $7.00**



Colored glass

U7731. Handled ice tea and plate in the celebrated peacock color A very popular article Size of plate, 6 ins Iced tea, 5 inches Packed six dozen sets to a barrel Set consists of one ice tea and plate as illustrated **Dozen sets, $7.00**

Thin blown iridescent stemware

Optic design The iridescent color is fired right into the glass making it durable and lasting

U7740 Goblet. Capacity, 9 oz Height over all, 6¾ inches Two dozen to a box. **Dozen, $7 00**

U7741 Saucer Champagne. Capacity, 5½ oz Height over all, 4¾ inches Two dozen to a box **Dozen, $6 30**

U7742 Wine Glass. Capacity, 3½ oz Height over all, 4¾ inches. Three dozen to a box **Dozen, $5.90**

Colored glass Iead blown stemware

This attractive line can be had in three solid colors Green Amethyst or blue The colors are fired into the glass and will not wash or wear off **Be sure to specify color desired**

U7780 Goblet Capacity, 9 oz **Dozen, $9 30**

U7781 Saucer Champagne Capacity, 5 oz **Dozen, 9.30**

U7782 Wine Glass. Capacity, 2½ oz **Dozen, 8.60**

U7783 Iced Tea. Capacity 12 oz **Dozen, 8.60**

Above articles packed one-half dozen to a carton

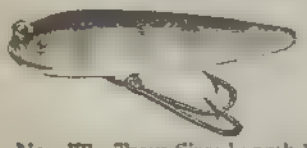
BAITS

PECK'S "GRASS HOPPER"

Cork Body; Exact Replica of a Grass Hopper; Wonderful Lure for Bass or Trout; Model Perfect; Ringed Hooks.

	Per Dozen
No. GH51—Tied on 1 Hook	$9 50
No. GH56—Tied on 6 Hooks	8 00

Packed ½ Dozen; Assorted on a Card; One Card in a Box



FLY ROD WIGGLER

A Tricky Little Bait That is Continually Cutting Up. Wood Body and Heavily Coated with Waterproof Enamel; Assorted Colors; One Double Hook on Bottom.

	Per Dozen
No. JT—Trout Size; Length 1¼ inches; Weight, ⅛ ounce	$11 50
No. JP—Small Bass Size; Length 1¾ inches; Weight, ½ ounce	11 50
No. JS—Large Bass Size; Length 2½ inches, Weight, ¼ ounce	11 50

One in a Box; One Dozen in a Carton

CREEK CHUB BAITS

CREEK CHUB WIGGLER

It Really Looks Like a Minnow Down to the Scales, and Has the Most Attractive Lifelike Movements.

Wagging Hooks at Tail Get the Short Strikes. Attractive Nickel Plated Fin at Head Swings To and Fro. Body of Red Cedar; 3½ inches Long. Weight, Under One Ounce. Best of Hard Celluloid Finish. All Metal Parts Brass; Nickel Plated; Nickel Plated Hooks of Good Size. Tie Made to Swivel Ring. Glass Eyes; Pressure of Water Used for Movements and Different Depths. Does Not Depend on Amount of Wood for Surface or Lead for Deep Fishing.

	Per Dozen
No. 100CC—Natural Creek Chub Finish, Scale Effect	$18 00
No. 101P—Natural Perch, Scale Finish	18 00
No. 102RS—Yellow Shiner; Gold Head, Scale Finish	18 00
No. 103YS—Yellow Shiner, Scale Finish	18 00
No. 104WR—White, with Red Head	18 00
No. 105GB—Green Back, Scale Finish	18 00
No. 106R—All Red	18 00
No. 107M—Natural Mullett, Scale Finish	18 00

One in a Box

THE BABY CHUB WIGGLER

Same as Creek Chub Wiggler, but Smaller, and Does Not Run So Deep. Length 2¾ inches; Weight, ½ oz.

	Per Dozen
No. 200CC—Natural Creek Chub; Scale Finish	$18 00
No. 201P—Natural Perch; Scale Finish	18 00
No. 202RS—Red Side Minnow, Scale Finish	18 00
No. 203YS—Yellow Shiner; Scale Finish	18 00
No. 204WR—White, with Red Head	18 00
No. 205GB—Brilliant Green Back, Scale Finish	18 00
No. 206R—All Red	18 00

One in a Box

CREEK CHUB BAITS

OPEN MOUTH SHINER

Closely Resembles the Shiner (Silverside) Minnow; For Casting Into Shallow Water, Weeds, Etc. When Reeled Rather Slowly Wiggles and Plays on Surface; Reeling Faster Causes Bait to Go Deeper; Length 3¼ inches; Weight, ¾ oz.

	Per Dozen
No. 500S—Natural Shiner; Scale Finish	$13 50
No. 501RS—Red Side Minnow; Scale Finish	13 50
No. 502WR—White, with Red Head	13 50

One in a Box

CREEK CRAB WIGGLER

Nearest to the Live Crab in Looks and Movement. Another Great Fish Fooler; Natural Shape Body and Tail; Black Eyes. Rubber Legs; Bronze Hooks.

Backward Movement, Same as Crab; Wiggle Mostly in Tail; Rubber Legs Give More Movement.

Floats Until Started; Tail Guards Hooks from Snags and Bottom; Can be Reversed for Surface Fishing. Length 2¾ inches. Weight, ¾ oz.

	Per Dozen
No. 300C—Natural Crab; Shell Finish	$18 00
No. 301A—Albino Finish	18 00
No. 302T—Tan Color, Shell Finish	18 00

One in a Box

BABY CRAB

Same as Above, Only Smaller; Length 2⅛ inches; Weight, ½ oz.

	Per Dozen
No. 400C—Natural Crab	$18 00
No. 401A—Albino Crab	18 00
No. 402T—Tan Color, Shell Finish	18 00

One in a Box

PIKIE

This New Nature Lure so Closely Imitates the Pike Minnow in Shape; Color and Movement That the Combativeness of the Bass is Aroused, and They Strike to Kill. The Pikie is a Near Surface Wiggler or by Lengthening Screw Eye, a Deep Trolling Revolving One Moment You Have a Surface Splatter. Length Over All 5 inches; Weight Each, ¾ oz.

	Per Dozen
No. 700P—Pikie Minnow	$18 00
No. 700WB—White, with Blue Head	18 00
No. 703WR—White, with Red Head	18 00

Same as Above, Only Smaller. Length Over All 4 inches. Weight Each, ½ oz.

	Per Dozen
No. 900P—Pikie Minnow	$18 00
No. 901WB—White, with Blue Head	18 00
No. 903WR—White, with Red Head	18 00
No. 904YP—Natural Perch, Scale Finish	18 00

Twelfth Dozen in a Box

WAG-TAIL

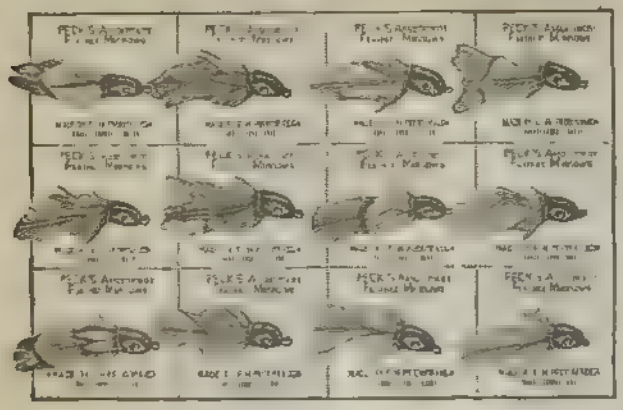
A Bait Which Apparently Swims with its Tail. Has a Nickel Plated Fin Which Swings Back and Forth as the Bait Travels Through the Water, and the Flash of the Nickel Makes a Most Attractive Lure. Length Over All 4 inches. Weight Each, ½ oz.

	Per Dozen
No. 800CC—Creek Chub; Scale Finish	$18 00
No. 801YP—Natural Perch; Scale Finish	18 00
No. 802RS—Red Side; Scale Finish	18 00
No. 803YS—Yellow Shiner, Scale Finish	18 00
No. 804WR—White, with Red Head	18 00

Twelfth Dozen in a Box

BAITS

PECK'S

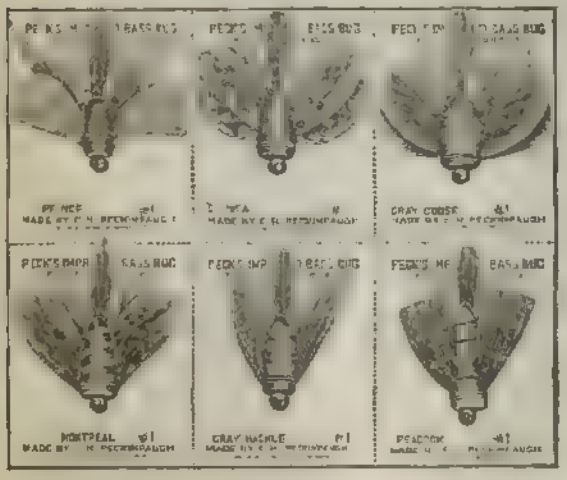


FEATHER

New Cork Bodied Fly Rod Lure Resembling in Action a Crippled Minnow; Easy to Cast and Possesses all the Killing Powers of a Bass Bug and the Celebrated Pork Rind; Only Model Perfect Plated Bronzed Hook Used.

	Per Dozen
No. 1L—Tied on 1/0 Hook	$12.00
No. 1M—Tied on 3 Hook	12.00
No. 1S—Tied on 6 Hook	12.00

One Dozen Assorted on a Card; One Card in a Box



IMPROVED BASS BUG

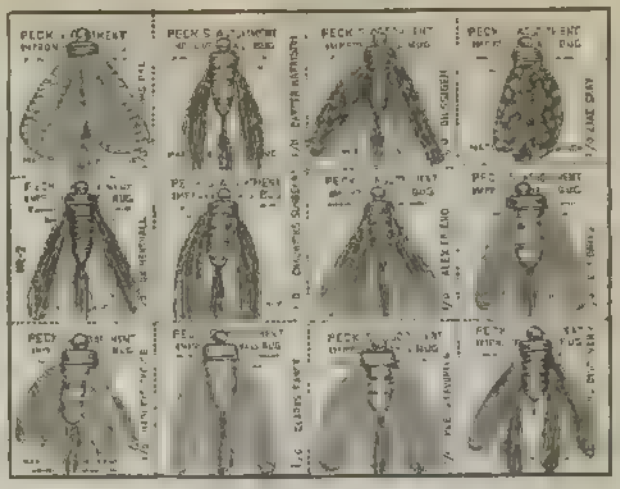
Bodies Guaranteed Non-slip; Many Patterns are Tinsel Wrapped Making Them That Much More Enticing; All Bugs are Tied on Model Ringed Hooks.

	Per Dozen
No. 3L—Tied on 1/0 Hook	$9.50
No. 3M Tied on 1 Hook	9.50
No. 3S—Tied on 4 Hook	9.50

Half Dozen Assorted on a Card; One Card in a Box

BAITS

PECK'S



MISSISSIPPI RIVER PATTERN

Exactly the Same as Peck's Improved Bass Bug, with the Exception that the Wings Lie Flat; Tied on Model Perfect Hooks.

	Per Dozen
No. MR2—Tied on 1/0 Hook	$9.50

One Dozen Assorted on a Card; One Card in a Box

TROUT MIDGETS

Only Highest Quality Workmanship and Material Used in the Manufacture of This Article: Killing Lures for Rainbow, Brook, Brown and Other Trout, as Well as Crapple, Rock Bass, Perch; A Dry Fly of the Highest Type, Floats Without Oil Treatment, Tied on Turned Down Eye Model, Perfect Hand Forged Hooks.

	Per Dozen
No. TM8 Tied on 8 Hook	$8.00
No. TM10—Tied on 10 Hook	8.00

One Dozen Assorted on a Card; One Card in a Box

PEDOMETERS

For Measuring Walking Distances

To Attach, Slip Over the Top of Your Pocket or Over Your Belt; Will Then Occupy an Upright Position, Which is Necessary to the Working of the Lever Mechanism. If Not Carried in an Upright Position the Works Will Not Operate—It Will Not Register Your Step. Can be Regulated to the Step of the Wearer. The Figures on the Scale on the Back of the Works Represent inches and Each Notch Intervening Between the Numbers Represents One Inch. Can be Regulated for Variations Between 15 Inches and 31 Inches. To Regulate, Measure the Distance You Take at Each Step or Stride from (Heel to Heel). If Your Step Measures 27 Inches, Set the Indicator on Figure 27. If Your Step Measures 28, Move the Indicator One Notch Forward to "Fast." If Your Step Measures 24 Inches Move the Indicator Back Three Notches Toward "Slow," Etc. The Average Step of Persons Measures 27 inches, Therefore is Now Set for a 27 inch Step. Thoroughly Tested and Regulated and it is Expected to be Reliable and Accurate. The Hand Can be Set by Removing the Back and Turning the Hand Set Backward or Forward.

Per Dozen

No. A100—100 Mile; Nickel Case; Cardboard Dial Spaced Off in Quarters, Halves and Three-quarter Miles; Heavy Beveled Glass; Pendant Clasp; Weight Each 2 ozs. $48.00

One in a Box

POLICE GOODS

TOWER'S NIPPERS

To Clasp the Wrists in Making Arrests; Convenient to Carry; Always Ready for Use and An Admirable Substitute for the Common and Often Clumsy and Unreliable Device of Twine, Catgut, Etc.

Per Dozen

No. T—Best Welded Steel Chain; Forged Steel Hand Grips; Nickel Plated and Polished; Weight 4 ozs. . . . . $[illegible]

One Dozen in a Box

TWISTER HOLDER

Designed to Hang from Trouser Button; Out of Sight; Ready for Immediate Use. Nickel Plated.

Per Dozen

No. TH—Twister Holder; Weight per Dozen, 14 ozs. $4.50

One Dozen in a Box

POLICE GOODS

HANDCUFFS

IMPROVED BEAN'S PATTERN

These Handcuffs are Made to Meet the Demand for a Handcuff Combining Superior Quality with Very Light Weight, Overcoming the Defect of the Old Style Bean's Cuff. Locks Can be Removed for Repairs When Cuff is Open; When Closed the Locks Cannot be Taken Out, Nor Can the Cuff be Unlocked by Accident or Without the Key. Can be Unlocked from Either Side. Connecting Swivel Links at Either End. Weight 15 ozs. with Key.

Per Pair

No. 1—Polished Steel. $13.50

No. 1N—Nickel Plated Steel. 15 00

One Pair in a Box

Per Dozen

Extra Keys No. BK. $4 00

TOWER S

Adjustable Double Lock With Patent Lock

The Patent Stop Prevents Locking by Effort of the Prisoner or By Accident Before the Handcuffs are Closed on the Limb. When in Use the Forward End of the Stop Projects Above the Surface of the Bow, and while Allowing the Bow to Enter the Lock Frame Stops it Before the Bolt has Passed into the Notches. When Closing the Shackle on the Limb of a Prisoner, a Slight Pressure on the Top—Simply Passing a Finger Over it When Ready to Lock—Depresses it Even with the Surface of the Bow, Which Then Passes Through and is Self-Locked; Weight 18 ozs. with Key.

Per Pair

No. 2—Polished Steel $14 50

No. 2N—Nickel Plated Steel 16 00

One Pair in a Box

Per Dozen

Extra Keys No. TK. $4 00

Loose

TOWER'S DETECTIVE

Extra Light Weight; Adjustable, Self Locking, Secure and Strong; These Handcuffs are Designed to Meet the Demand for a Very Light Weight Shackle for Those Officers, Detectives and Others Who are Required to Have Their Implements Always with Them, and Find a Few ounces Saved in Their Weight a Matter of Convenience and Comfort; Self-acting Bolt which Cannot be Forced and a Lock so Guarded as to Give Ample Security; Weight 12 ozs. with Key.

Per Pair

No. 3—Polished Steel. $14 00

No. 3N—Nickel Plated Steel 16 00

One Pair in a Box

Per Dozen

Extra Keys No. TK. $4.00

Loose

TRADE MARK REGISTERED IN THE U. S. PATENT OFFICE

SPORTSMEN'S TUMBLERS

★NORLEIGH DIAMOND

TRADE MARK REGISTERED IN THE U. S. PATENT OFFICE

ALUMINUM NESTING TUMBLERS

Cut Shows Tumblers Telescoped into One Another and with Lid on Ready for Any Outing Expedition.

These Cups are Especially Adapted for Outing Parties, Picnics, Automobile Tours, Etc.; They are Absolutely Sanitary, Having Smooth, Polished Surfaces on Which no Germs Can Find a Resting Place, Extremely Light Weight and at the same Time Very Strong and Practically Indestructible Owing to the Heavy Beaded Rim.

Per Dozen Set

No. 990—Six Cups; Light Weight Drawn Aluminum; Polished Outside Surfaces, Inside Dull Finish; Heavy Beaded Reinforced Rims, Size of Cups 3 inches High, 2½ inches Diameter at Top, 1 ½ inches Diameter at Bottom; Height when Telescoped and with Cover on 3¾ inches; Weight per Dozen Sets, 3¾ lbs. **$13.50**

One Dozen Sets in a Box

Aluminum: Will not Rust or Corrode; Sanitary, Neat and Compact; Very Light Weight.

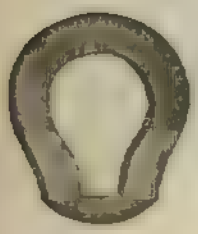
Per Dozen

No. ST28—Diameter Across Top 2½ inches; Diameter Across Bottom 2 inches; Height Open 2⅜ inches; Height Closed ⅞ inch, Weight per Dozen, 12 ozs. **$2 00**

No. ST29—Diameter Across Top 2 inches; Diameter Across Bottom 2 inches; Height Open 2⅜ inches; Height Closed 1⅛ inches; Weight per Dozen, 10 ozs. **1.45**

Three Dozen in a Box

MAGNETS



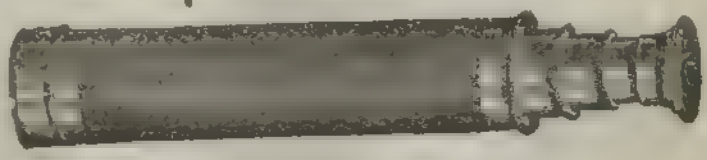
Best Quality Steel; Red Enameled Bends and Highly Polished Poles; Extra Strength, with Keepers; Used for Scientific Purposes and in the Arts and Trades.

HORSESHOE

Nos.	**10**	20
Size, inches	2x2	3x3
Weight per Gross, lbs	22½	45
Per Gross	**$16 00**	**30.00**

Twelfth Gross in a Package, with Display Card; One Gross in a Box

TELESCOPES



Genuine French; Have Fine Lenses which Give a Clear and Perfect Vision; Black Morocco Bodies; Highly Burnished Brass Caps and Draws; All with Three Draws; Slide Shut-off to Protect Glasses; Complete with Cloth-Covered Box for Carrying.

Each

No. 7821/10—Length Open 15¼ inches; Closed 5¾ inches; Magnifying Power 12 Diameters; 10 Ligne Lens; Weight Each, 8 ozs. . **$10.00**

No. 7821/12—Length Open 17¼ inches; Closed 6½ inches; Magnifying Power 16 Diameters; 13 Ligne Lens; Weight Each, 10 ozs. . **10 50**

No. 7820/14—Length Open 16¾ inches, Closed 6½ inches, Magnifying Power 18 Diameters; 14 Ligne Lens; Weight Each, 12 ozs. **12.50**

One in a Box

FIELD GLASSES

Genuine French; Black Morocco Case; Hard Black Rubber Extension; Hard Black Rubber Screws; Finely Made and Beautifully Finished; Complete with Leather Hinge Top Morocco Case; with Carrying Handle and Buckles for Attaching to Strap.

Each

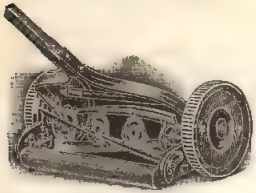
No. 1050/24—Genuine Lemaire; Extra High Quality Lens, 24 Lignes; Lemaire Glass is Known for its Clearness of Vision and Remarkable Magnifying Powers; Weight Each, 34 ozs. . $60.00

One Pair in a Box

LAWN MOWERS

K. C. Jr.

Plain Bearing. 7 In. Wheels

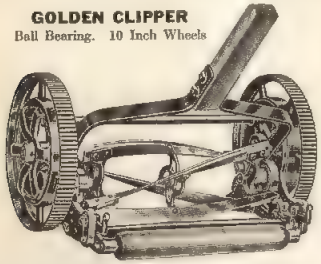


Four Crucible Tool Steel Blades; Hardened and Tempered; 9 Inch Wheels; will cut grass 5 in. high; Cuts ½ to 1½ Inch Grass; Hardwood Handle; this is a Good Quality Mower at a Low Price.

No. K. C. Jr. . . . . . 16 In. Cut
Each . . . . . .

GOLDEN CLIPPER

Ball Bearing. 10 Inch Wheels

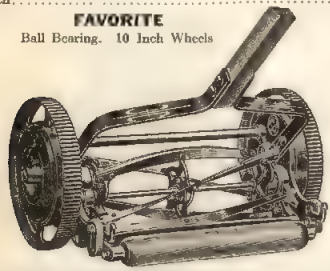


Five Crucible Tool Steel Blades; Oil Hardened and Water Tempered; 10 Inch Wheels; Six Spokes; Bottom Knife is Self Sharpening, Raised Edge; Crucible Tool Steel Insuring Long Service; Height of Cut ½ to 1½ Inches; Will Cut Grass 6 Inches High. This Mower is Made by Pennsylvania Lawn Mower Co., and is the Best All-Around Mower of its Type Made. Six Inch Five Blade Cylinder.

Width of Cut, Inches 17 19
Each . . . . . .

FAVORITE

Ball Bearing. 10 Inch Wheels



The Favorite Mower is Similar to The Golden Clipper Only It Has but Four Crucible Tool Steel Blades With 5½ Inch Cylinders; We Recommend This Mower as a Good Medium Priced Ball Bearing Mower.

Favorite 10 Inch Wheel. . . . . 16 Inch Cut
Each . . . . . .

LAWN MOWERS

PENNSYLVANIA JUNIOR QUALITY

Ball Bearing

Crucible Tool Steel Knives; Hardened and Tempered in Oil; Adjustable and Self Sharpening; Will Cut Grass 6 Inches High and Will Mow it Within ½ to 1½ Inches of the Ground According to Adjustment. 10 Inch Wheels; 6 Inch Five Blade Cylinder.

Cuts, Inches 17 19
Weight, Each, Pounds 74 77
Each . . . . . .

BUNTING'S SPECIAL

Ball Bearing. 8 Inch Wheels

Four Crucible Tool Steel Blades; Hardened and Tempered; Height of Cut ½ to 1¼ Inches; Will Cut Grass 5 Inches High; Hardwood Handle; A Good Low Priced Ball Bearing Lawn Mower; Well Made to Stand Hard Service.

No. Bunting's Special . . . . 16 Inch Cut
Each . . . . . .

GRASS CATCHERS

Easy Emptying

Heavy Duck Sides; Galvanized Steel Wire Frame; Non-Slipping Galvanized Steel Bottoms with Flange.

No.	5-G	10-G	12-G	16-G
For Mower.	12 to 18 In.	12 to 18 In.	16 to 22 In.	12 to 17 In.
Per Dozen				

All Lawn Mowers Listed On This Page Made By The Pennsylvania Lawn Mower Co.

PUTTING GREEN MOWERS

PENNSYLVANIA

Heavy Cast Iron Side Plates, Wheels and Gear Casings; Crucible Tool Steel, **Self Sharpening**; Revolving Reel Blades and Stationary Knife; Malleable Iron Reel Braces and Roller Brackets; Adjustable Hardwood Roller; Triple Gearing on One Side; 3½-foot Varnished Hardwood Handle; Painted Green and Red with Gold Bronze Striping.

Complete With Grass Box

Cut Shows Mower with Grass Box Detached

Cut Shows Mower with Grass Box Attached

Note

The Grass Boxes of Catchers which are Furnished with these Mowers are Composed of Two Parts—the Box Proper and the Shield or Deflector, to Deflect the Grass Forward into the Box. They are Made of Sheet Metal with Wood Ends and are Easily Attached and Detached.

The New Fad of Making Putting Greens on Golf Links Wavy or Undulating has Revived a Demand in Some Sections, Originally in Great Britain, and More Recently in this Country, for the Old Roller Type, Forward Cut Lawn Mowers.

The Pennsylvania Putting Green is an Exact Model of the Pennsylvania Grand Horse Mower, Modified Only to Operate by Hand.

The Stationary Knife is Bolted Rigidly to the Frame, Making the Adjustment Entirely with the Cylinder. The Journal Boxes or Cylinder Bearings are Self Wiping, Insuring a Perfect Cutting Edge the Entire Length of the Blades. This Mower Can be Set to Cut ⅛ Inch, and Is Adapted for Putting Greens, Tennis Courts, Cricket Greases, and Other Work Requiring an Exceptionally Close and Smooth Cut. It Can Also be Used as an Edge Trimmer for the Ordinary Lawn. The Front Wood Roller Better Supports the Machine in Mowing Terraces, but Can be Readily Removed if Desired, Leaving Only the Casters as Supports.

All Blades in this Mower are Crucible Tool Steel, Oil Tempered and Hardened.

Diameter of Rollers 7 inches; Diameter of Cylinder 5½ inches; Six Blades.

Width of Cut, Ins...	**†14**	**†16**	**†18**
Shipping Weight, lbs..	96	110	134
Each.....	$67 50	75.50	83 00

LAWN TRIMMERS

PENNSYLVANIA UNDER-CUT

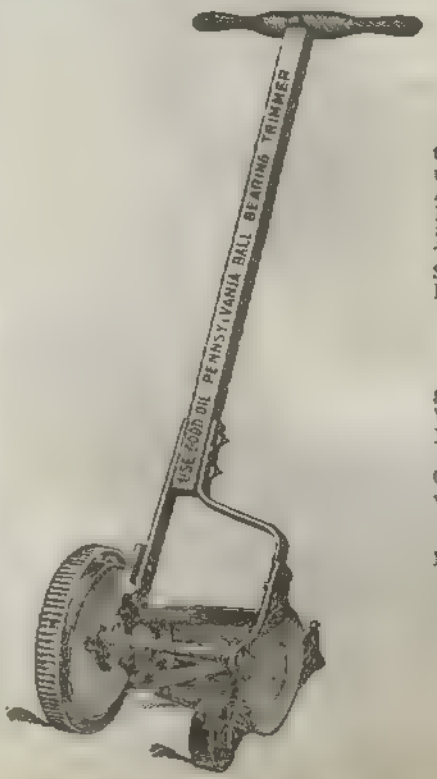
This Machine is the Only One to Successfully Replace the Use of Hand Shears. The Slanting Side Plate and Conical Cylinder Make it Possible to Cut all the Grass Left by the Regular Style of Lawn Mower. The Construction of the Under Cut Trimmer Permits Cutting Very Close to a Wall, Fence, Tree, etc., and it will Cut the Grass **under a** Fence or Rock-cut Base of Tombstones, House Foundations and Other Places Hitherto Out of Reach of Anything but Hand Shears. For Cemeteries, it has the Special Advantages of Not **Marking or Smudging** the Tombstones, as the Side Plate Does Not Come in Contact with the Stone Above the Grass Line.

BALL BEARING
Self Sharpening, Light Weight, Four-Blade Cylinder

Each

No. PX—Drive Wheel, 9½ inches. Ball Bearing Cylinder, with Four Tempered Crucible Steel Blades, 7-inch Cut. Shipping Weight, Packed in Crate, 30 lbs. Net Weight 23 lbs., Including Handle. **$22 00**

One in a Box



PENNSYLVANIA

For Cutting Grass Left at the Edge of Lawns, Close up to Walls, Fences and Around Trees, etc., After Mowing. Will Cut to Within ⅜ inch of Wall or Tree; Takes the Place of Grass Shears and Other Devices Employed for this Purpose.

BALL BEARING
Adjustable Reel

Crucible Tool Steel Blades; **Self Sharpening**; Cast Iron Wheel and Side Plates; Malleable Reel Braces.

Painted Green and Red, Gold Stripes Varnished Hardwood Handle.

Each

No. PLT—6 inch Cut; 4 Blades. Extreme Width 13¼ inches; Weight Boxed 25 lbs **$20 50**

One in a Box

Items Marked † Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory, Philadelphia, Pa.

HORSE AND PONY LAWN MOWERS

PENNSYLVANIA

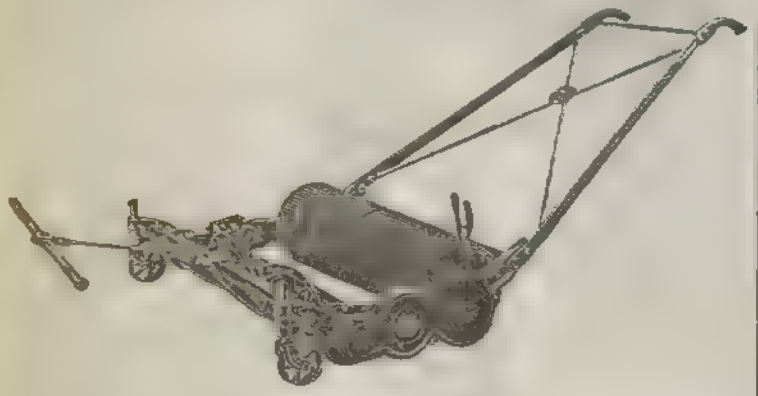
High Grade Cast Iron Frame, Drive Wheels and Gear Casings; Malleable Iron Reel Braces; Crucible Tool Steel; Oil Tempered Revolving Reel Blades, and Adjustable Bed Knife; Full Braced Steel Handles.

PONY OR TWO-MAN

For use of Pony or Two Men on Large Lawns and where the Surface is Broken by Walks and Shrubbery or is too Hilly for Regular Horse Mower. Triple Geared on both Sides, 11 inch Drive Wheels, with Steel Axle; 1 inch Tubular Front Bar; Upturned Bed Knife, with Front Draft Attachment for Pony or Horse. Adjustable to Cut Grass to Lengths of ⅜ to 2 inches.

Four Reel Blades

	Each
No. 25—Width of Cut 25 inches; Diameter of Reel 6¾ inches; Extreme Width 35 inches; Weight Boxed about 150 lbs..	$110.00 100.00



HORSE MOWERS

Triple Geared on One Side Only; Diameter of Reel 11⅛ inches; Double Cast Iron Rollers 11½ inches in Diameter; Cast Iron Guide Rollers 4½ inches in Diameter; Malleable Iron Cross Bar for Draft Iron 32½ inches Long; Wrought Iron Stem for Draft Iron 31⅛ inches Long; U Steel Draft Iron with Lever for Throwing Blades Out of Gear

Four Reel Blades

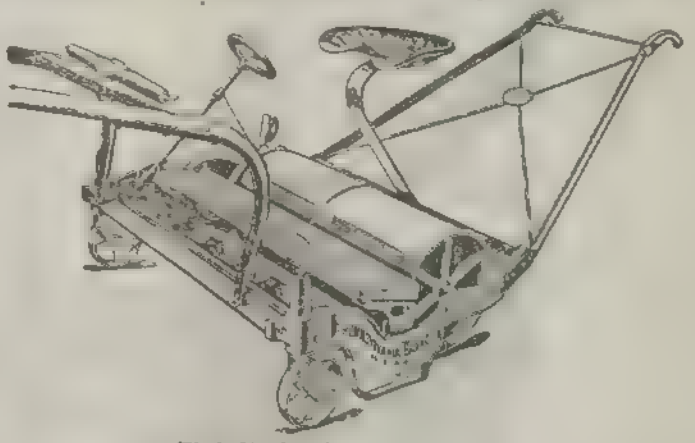
Nos.	†30	†38
Width of Cut inches	30	38
Extreme Width, inches	37	44
Length of Roller, inches	26	31¼
Weight, Boxed, lbs.	360	37
Each	$200.00	266.00
	220.00	286.00
Extra—With Seat and Side Draft Shaft add	$66.00	80
One in a Crate		

HORSE LAWN MOWERS

PENNSYLVANIA GRAND

Aluminum and Gold Bronze Finish

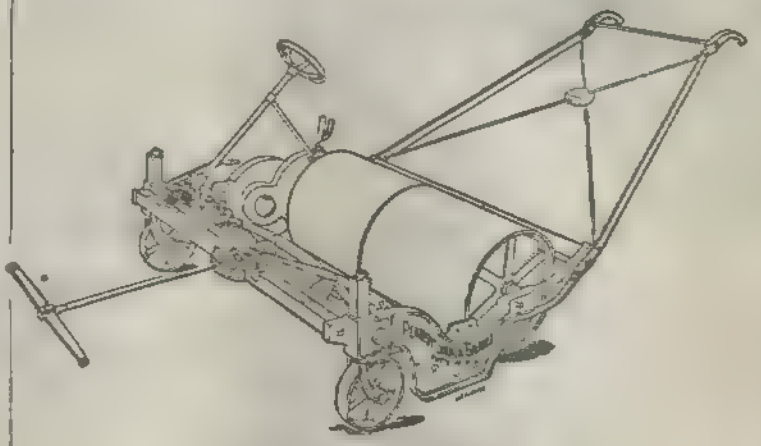
Heavy Cast Iron Frame; Malleable Iron Reel Braces; Front Bar; Adjusting Levers; Caster Stems and Cylinder Ends; Crucible Tool Steel; Oil Tempered, Self-Sharpening Blades; Cast Steel Pinions; Wrought Steel Handles; Draft Stem and Adjusting Wheel Post; Cast Iron Seat; Spring Steel Seat Support; all Journal Boxes are Phosphor Bronze Bushed. The Cylinder Runs in Self-Adjusting Floating Journals with Split Boxes, which is Self-Aligning and Distributes the Wear on Blades Evenly. The Blades are Thrown in or out of Gear by the Lever at Side of Machine; the Height of Cut is Controlled by the Hand Wheel, and can be Changed, while Machine is in Motion, to any Length from ⅜ inch to 2⅜ inches. Diameter of Reel 7½ inches; Diameter of Cylinder 15 inches



With Shafts, Seat and Handles

Wood Foot Rest 9 inches Wide

Nos.	†GC304	†GC306
Width Cut, inches	30	30
Number of Reel Blades	4	6
Extreme Width, inches	41	41
Weight, Crated, lbs.	635	645
Each	$240.00	265.00
	288.00	318.00
Nos.	**†GC384**	**†GC386**
Width Cut, inches	38	38
Number of Reel Blades	4	6
Extreme Width, inches	49	49
Weight, Crated, lbs.	720	750
Each	$300.00	325.00
One in a Crate	360.00	390.00



With Draft Irons and Handles Only

Width of Cut 30 inches

Nos.	†G304	†G306
Number of Reel Blades	4	6
Extreme Width, inches	41	49
Weight Crated, lbs.	595	605
Each	$200.00	225.00
One in a Crate	240.00	270.00

Items Marked † Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory, Philadelphia, Pa.

PENNSYLVANIA
Quality
LAWN MOWERS

Now is the Time To Get These

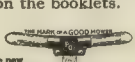
SALES HELPS

Metal Art Counter and Window Sign, Display Poster, Adjustable Window Trim, Attractive Folder: "The Care of the Lawn", Books of Ready-Made advertisements.

Write to your jobber for a set right away. The season will soon be here when you will want this strong tie-up with our national advertising.

We send them direct to your address prepaid.

Don't forget to tell us what you want imprinted on the booklets.



The new STAYTITE Handle identifies P. Q. Quality

Pennsylvania Lawn Mower Works
(Inc.)
Founded 1877 Philadelphia

A Handier Solder

THOSE who have used clumsy bar or solid wire solder with a separate flux, really appreciate how handy Kester *Acid-Core* Wire Solder is.

First:—The tiny pockets inside the hollow wire form of Kester supply a scientific flux at the right time, thereby saving *time, labor* and *material* over the old-fashioned way.

Second:—The pound spools and coils fit one's hand comfortably, leaving the other hand free for using the most convenient form of heat.

Third:—The entire job is always in view, the narrow wire of Kester puts both solder and flux where it belongs without hiding the parts.

"Sample for Test Upon Request"

Sold by live dealers everywhere in one pound coils, in cartons, and on one, five and ten pound spools

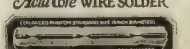
Manufacturers
CHICAGO SOLDER COMPANY
4212 Wrightwood Avenue, Chicago

Direct Factory Representatives:
THE FAUCETTE HUSTON CO
Chattanooga, Tenn.

LOUIS J. ZIESEL CO
210 Market St
San Francisco, Cal

RICHARD P. ELY
66 W. Broadway
New York City

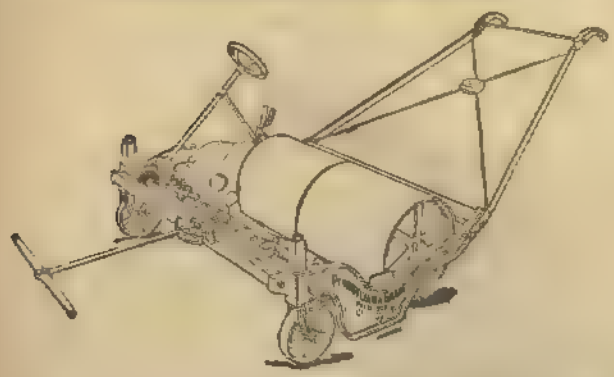
KESTER
Acid Core WIRE SOLDER



Requires Only Heat

LAWN MOWERS

PENNSYLVANIA GRAND HORSE



Crucible tool steel blades, 7⅛ inch open cylinder, diameter of rollers 15 inches, with handles and draft irons.

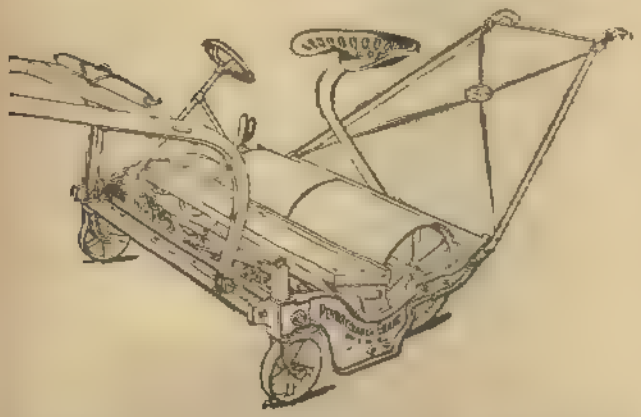
No. F101—Cut 30 in., 4 blades, w't 595 lbs., each★ $220.00

No. F102—Cut 30 in., 6 blades, w't 605 lbs., each★ $247.50

No. F104—Cut 38 in., 4 blades, w't 675 lbs., each★ $286.00

No. F105—Cut 38 in., 6 blades, w't 705 lbs., each★ $313.50

ONE IN A CASE



Crucible tool steel blades, 7½ in. open cylinder, diam. of roller 15 in., with seats, shafts and handles.

The wheel at the right of the driver's seat regulates the height of cut from ⅝ to 2½ in. The operator, without leaving his seat, can instantly change from low to high cut or an intermediate one.

No. F111—30 in cut, 4 blades, w't 635 lbs., each★ $264.00

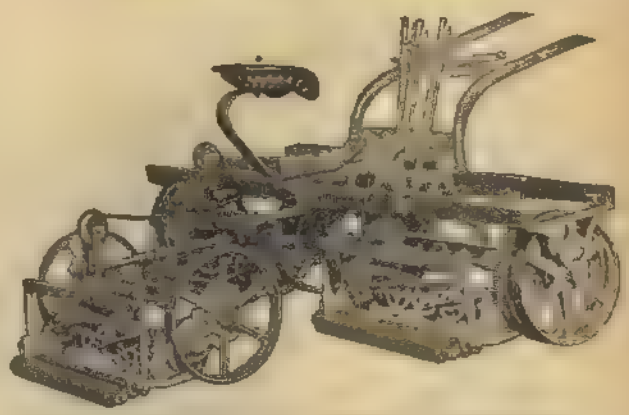
No. F112—30 in. cut, 6 blades, w't 645 lbs., each★ $291.50

No. F114—38 in. cut, 4 blades, w't 720 lbs., each★ $330.00

No. F115—38 in. cut, 6 blades, w't 750 lbs., each★ $357.50

ONE IN A CASE

PENNSYLVANIA TRIO MOWERS



CAN BE DRAWN BY HORSE OR TRACTOR

A three-unit type mower; made especially for golf courses, public parks, cemeteries and all grounds where large areas of undulating surface present difficult problems of lawn mowing.

Consists of three specially constructed 30 in. 4 blade mower units, high geared, so yoked to a frame or sulky that a cutting swath of 86 in. is attained.

Each mower unit acts independently of others, being pivoted to frame, enabling them to ride over even surfaces and to closely follow undulation of ground.

Frame supported on two separate ground wheels, thereby relieving cutting units of any extra weight, overcoming objection of wheel marks on turf and also giving mowers greater flexibility and greater efficiency.

SPECIFICATIONS

Automatic Clutch—Each mower unit may be raised separately by means of three levers, and when lifted to highest point the cutting cylinders are automatically disengaged or idled. When lowered, the cylinders are again automatically engaged.

Wheels—17 in. in diam., tread of 2½ in., fitted with automobile type ball bearings.

Cylinders—4 knife, 30 in., 6¾ in. diam. Knives are of crucible steel, oil hardened and water tempered.

Cylinder Bearings—Cylinder carrying knives revolves in universally adjustable, bronze bearing. These bearings can be adjusted for wear and cannot get out of alignment.

Bottom Knife—To insure great rigidity, bottom knife castback is bolted solidly to side plates. This eliminates all chances of the mower becoming twisted or strained. Blade is crucible steel, oil hardened and water tempered.

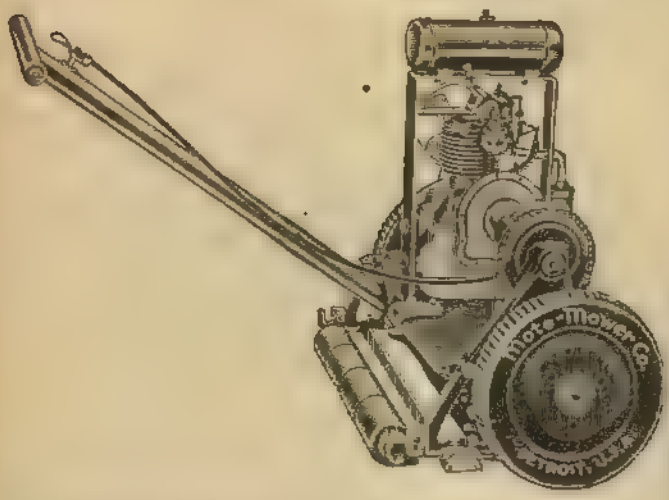
Adjustment of Knives—Instead of usual method of raising bottom knife for wear, all adjustments quickly made by tightening two regulating screws and bringing cylinder closer to bottom knife.

Assembling—Mowers are absolutely interchangeable, will fit in any position. The "sulky" style steel frame may be used for pulling other equipments, such as rollers, seeders and other cultivator tools.

No. F86—Cutting width 86 in., width over all, including sulky or ground wheels 109 in., w't 930 lbs., each★ $760.00

★ Items Marked Thus ★ Are Shipped From Factory Only.

MOTO-MOWERS



For use in parks, cemeteries, public grounds and private places where lawn is too large for hand mower. Will do as much work as five men with hand mowers.

Machine is made from best materials throughout and nicely finished and painted. Cutting Reel has 5 crucible steel blades, carefully tempered and hardened. The motive power is furnished by a 1½ H. P. reversible engine, fully guaranteed. Dry disc clutch in wheels. The power from engine is transmitted direct to cutting reel through chains and sprockets. The Moto-Mower is provided with automatic friction release between the motor and cutting reel.

If a stone, root or other object becomes caught in the machine, this device by automatically slipping, protects the blades against injury or possible breakages.

The Machine cuts as close to trees and other objects, as a hand mower. It can operate on any terrace or hillside on which a man can walk.

MOWER

Dry disc. clutches in wheels.
Control: one or both wheels can be engaged, either together or separately
Reel bearings: Timken roller bearings.
Sectional wood roller, running on steel rod.
Steel wheels.

FRAME

Width of Cut, 27 inches.
Cut Adjustable, ½ to 3½ inches.
Cutting Speed, 2 to 3½ miles per hr
Cutting Capacity, 5 acres per day.
Climbs, 25 per cent grade.
Color, French grey, gold striping.
Blades, 5, crucible steel.

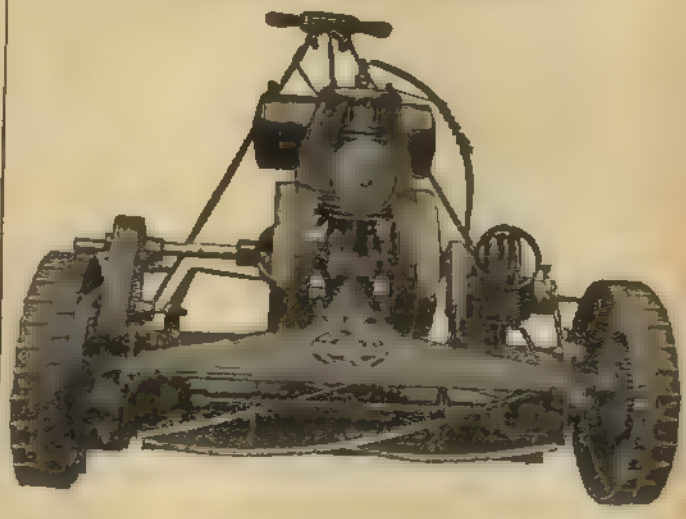
MOTOR

Single Cylinder, Air Cooled.

Gasoline Consumption per day, About 1 gallon.
Bore, 2½ inches.
Stroke, 2½ inches.
H. P. (A. E. S. rating), 1½.
Speed, 600 to 2200 R. P. M.
Ignition, Magneto.
No. W127—27 in. cut, w't each 195 lbs. .....each **$360.00**

ONE IN A CASE

FOUR-ACRE POWER LAWN MOWERS



For use in parks, cemeteries, public grounds and private places. This is a well constructed machine made throughout from best material and workmanship. It is the smallest most compact and simplest power mower on the market to-day, weighing only 20 lbs. and occuping only a space of 18x25 in. when not in use. It cuts a path 24 in. wide and travels by its own power at a rate of 3 to 3½ miles per hour, and will easily cut four acres per day under ordinary conditions. The mechanical simplicity of this entire mower is such that only the ability to crank the motor and steer the machine are necessary to secure perfect workmanship Power is transmitted from the engine to the traction wheel an cutting reel through two cone typeclutches, working independently of each other. Traction can be obtained without revolving cutting reel, thus making it possible to cross graveled drives, sidewalks and etc. without danger of obstructions injuring knives. In case any sticks or stones become caught in the cutter blades while machine is in operation the reel clutch will slip leaving the knives uninjured.

SPECIFICATIONS

Special Built Motor—1 H. P., 2 cycle, 3 part, 2½ in., bore x 2½ in. stroke.

Speed of Motor—1000 R.P. M. at 3½ miles per hour.

Fuel Consumption—About one gallon gasoline, per full day.

Transmission—Cut gears, Cone type clutches give operator separate control of power on cutting, reel and traction wheels.

Throttle and traction clutch control on handle grip.
Will cut on 30 degree incline.

Finish—2 coats Battleship Grey Enamel one coat color varnish.

No. W424—24 in. cut, complete with grass catcher, net w't 200 lbs. shipping w't 250 lbs. .....each **$440.00**

ONE IN A CASE

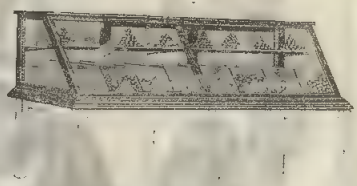
CANDY DEPARTMENT

The more you push candy the better your profits and volume will be all through your store. To start right, have a floor case or a counter case as shown below and plenty of price tickets and other equipment.

Over the page are the new factory shipment candies, FRESH GOODS—freshly made each day. NEW PRICES—they speak for themselves and they will bring you extra business and extra turns.

"LITTLE GEM" FLOOR CANDY CASES

"LITTLE GEM" COUNTER CANDY CASES



Little Gem Display Case consisting of display counter and sloping front top case with removable front; the latter can be closed to keep dust, dirt, etc., from contents. Base and head rubbed and polished wood; ornamental copper trimmings. Counter section without top has grooved top for glass top case as used separately if fitted with glass top.

8 FT. CASE—

Complete case, 8 ft. long, 60 in. high overall, 37 in. wide outside measurement. Shipping weight 600 lbs.

2Y9077—Golden oak finish
2Y9190—Red mahogany finish

Each, **$109.50** / **112.00**

6 FT CASE—

Complete case, 6 ft. long, 53 in. high, 27 in. wide, outside measurement. Shipping weight 500 lbs.

2Y9076—Golden oak finish
2Y9192—Red mahogany finish

Each **$92.50** / **95.00**

These prices do not include dividers and brackets. Same are extra

8 FT. CASE

Top case, 8 ft. long, 20 1/5 high, outside measurement, 21 in. wide inside measurement. Shipping weight 170 lbs.

2Y9089—Golden oak finish
2Y9191—Red mahogany finish

Each, **$52.00** / **54.50**

6 FT CASE

Top case, 6 ft. long, 20 in. high outside measurement, 21 in. wide inside measurement. Shipping weight 150 lbs.

2Y9088—Golden oak finish
2Y9193—Red mahogany finish.

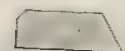
Each, **$44.00** / **46.00**

These prices do not include dividers and brackets. Same are extra

SPECIAL CANDY COUNTER EQUIPMENT AND SUPPLIES

PLATE GLASS DIVIDERS

Clear plate glass, ground edges



8x24 In—For dividing top case into compartments

2Y9078—2 in case
2Y9079—3 " } Each **$1.35**

12x21 In—For dividing lower case into compartments.

2Y8283—2 in. case
2Y8285—3 " } Each **$1.50**

DIVIDER BRACKET

2Y4389—Nickel plated metal brackets with adjustable screws for holding glass dividers in place. Per pair by mail 28c

BRASS CANDY SCOOP

2Y96—6x5 in., French model, hard rolled brass, bright finish, 1 in. deep. Each **50c**

"AIR-DOOR" CANDY SHOW JAR

2Y9150 1 piece, extra heavy glass handle, metal screw cap cover, contents not affected by atmospheric conditions, specially made moisture absorbing pad in door, absolutely sanitary. Has sides metal brackets furnished with jar. 1 in carton Each **$4.50**

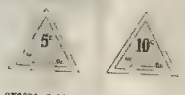
FIBER GLASS CANDY PAIL COVER

2Y779 13 1/4 in diam., bright aluminum metal rim, open face of fiber glass material for covering candies, dried fruits and grocery specialties. Will fit standard candy pail of 6 in. size. (Total 7 1/2 in.) Each. **85c**

For our line of Candy Scales and Candy Trays refer to the Index.

SPECIAL CANDY PRICE TICKET ASSORTMENT

The most necessary items for your candy counter.



2Y9081 8 kinds, printed in black on buff colored triangle shape cards. Assid as follows

	Quantity
5c oz	7
5c lb	7
5c oz	7
10c lb	7
10c the pound	7
25c	5
40c	5
75c	3

40 cards in asst. Asst. **25c**

GLASSINE CONFECTIONERY BAGS

25 lb. bags, white clear transparent bags. Top cards 1 M in box.

2Y9041 ½ lb. Per M, **$1.20**
2Y9042 " **1.55**
2Y9043 1 " **2.15**

For our full line of Bags see page 146

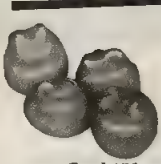
GUM AND PACKAGE CANDY DISPLAY CASE

2Y9072 Highly finished oak case, 13½x10x11½, double strength glass, hinged back door, 2 in each case. Each **$6.50**

FRESH FROM THE KETTLES

To guarantee freshness these candies must be specially inspected, hence must be shipped separately.

Your order from this page MUST TOTAL 100 LBS. or more, one kind or assorted.



Coco Bonbons

2Y622—Soft center vanilla flavored hand dipped in cream fear flavors and colors strawberry maple chocolate and vanilla. Ld lbs in pail. Shipping wt 35 lbs. LB. **17¾C**

"Empire" Chocolate Creams

3Y665—Good white center vanilla flavored soft covered with medium dark sweet coating 98 to lb. 30 lbs pail LB. **15¼C**

Coco Squares

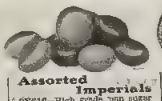
3Y618—Heavy crystall ed, soft shredded coconut, assorted flavors, maple, vanilla and strawberry about 175 pcs to lb 30 lbs. in pail. Shipping wt 35 lbs. LB. **17¾C**

Jelly Beans

3Y585 Stand ard size sugar coated corn s ft centers. Assorted many flavors and colors 40 lbs. in pail Shipping wt 45 lbs Lb **15c**

Crystallized Jelly Gums

3Y617 Very fine soft jelly gums in fl vors and colors lacrice orange lemon pineapple and raspberry, about 40 pcs to lb 30 lbs. in pail Shipping wt 35 lbs Lb **14¾C**



Assorted Imperials

3Y616—High grade pan sugar coated, very bright, assd. in many colors and flavors, 30 lbs. in pail. Shipping wt. 35 lbs. Lb. **17c**

Fruit Slices

3Y609—Orange and lemon jibs sliced, soft jelly, heavily crystallized assrd colors and flavors, about 90 pcs. to lb. 30 lbs in pail. Shipping wt. 35 lbs. Lb. **16½c**

Jaw Breakers

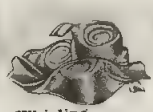
3Y615—Assrd red and black fine sugar candy balls variegated color centers, about 95 pcs to lb soft 2 for 1c 30 lbs in pail Shipping wt 35 lbs Lb **17½c**

Satin Finish Hard Candy

3Y601—35% filled with cocoanut and peanut butt r in many creams and flavors about 120 pcs. to lb. 30 lbs. in pail Shipping wt 35 lbs Lb **17¼c**

Assorted Marshmallows

3Y625—Toasted cocoanut and pure white very f uffy and sweet about 175 pcs to lb. 30 lbs. in case Shipping wt 35 lbs Lb **19½c**



Whirling Cream Caramels

3Y626—Rich creole soft chewy caramel candy vanilla and chocolate with nougat and cocoanut about 90 pcs to lb each piece wrapped 30 lbs in case Shipping wt 35 lbs. Lb. **17½c**

Butter Caramels Wrapped

3Y627—Soft chewing butter scotched vanilla flavored waxed paper wrapped about 175 pcs to lb. 30 lbs in layer packed case Shipping wt 35 lbs. Lb. **19c**

Tutti Frutti

3Y607—Cocoanut candy strips shapes 3 layered with assrd. colors and flavors jelly pieces worked in squares about 18 pcs to lb 90 lbs. in pail. Shipping wt. 35 lbs. Lb. **18c**

Cream Dips, Hand Work

3Y603—Soft cream center maple flavored glace cream coated in assrd flavors, maple strawberry chocolate and vanilla about 175 pcs to lb 30 lbs in case Shipping wt 35 lbs. Lb. **18½c**

Butter Cream Mixed

3Y602—Big variety flavors and colors, shapes, about 140 pcs to lb 30 lbs in case Shipping wt 35 lbs. Lb **19½c**

PRICE TICKETS FREE
Big Profit Candy Assortment
Price tickets included with this extraordinary offer.
3Y600—Asst. consists of the followings:
Assorted Choc. Drops 50 lbs. @ 15c
Creamy Jelly Gums 25 lbs. @ 14½
Jaw Breakers 25 lbs. @ 14½
Satin Finish Hard Candy 25 lbs. @ 17½c
Marshmallow Peanuts 25 lbs. @ 20c
Total 175 lbs. at an av
At 23c per lb. sells for $45.20
Costs You..... 28.00
Profit $18 20

Marshmallow Peanuts

3Y177—Banner Hurer light brown and very fluffy very tasty sold by weight or count about 170 pcs to lb 30 lbs. in case Shipping wt 35 lbs. Lb **20c**

Toasted Crunches

3Y605—Tutti Frutti cocoanut m llasses layered filled with peanut butter cooked in toasted cocoanut about 150 pcs to lb 30 lbs in pail Shipping wt 35 lbs Lb **18½c**

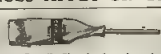
PENNY CANDIES—100 IN BOX

10 Box Lots, BOX, 64c **5 Box Lots, BOX, 67c** **Single Box, BOX, 70c**

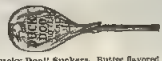
QUANTITY PRICES APPLY ON ORDERS FOR ONE KIND OR ASSORTED

Taffy Apple—Candy apple on stick.
2Y1842—100 in box

Clark's Summer Tarts—Hard candy, highly flavored. 10 asstd. flavors.
2Y1050 100 in box



"Arrow Pops"—Clear hard candy suckers on stick, each piece wrapped—orange, lemon, birch, anise, etc
2Y8081 100 in box



"Ducky Doo" Suckers—Butter flavored hard candy, each on stick. Refills in stick.
2Y8080—100 in box.

Pure Sweet—Sweetd candy pellets, asstd. colors in glass tube
2Y1837—100 tubes in box.

Marshmallow Sandwich—Assorted pink & white marshmallow between two wafers. Large penny's worth
2Y1447 100 in box

Toasted Marshmallow Squares—Large attractive piece, 2¼ in. square, white marshmallow center, allayer covered with toasted cocoanut
2Y1446 100 pieces in box

PENNY CANDIES—120 IN BOX

10 Box Lots, BOX, 79c **5 Box Lots, BOX, 82c** **Single Box, BOX, 85c**

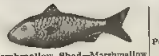
QUANTITY PRICES APPLY ON ORDERS FOR ONE KIND OR ASSORTED

Clear Ice Suckers—Hard candy on stick, highly flavored. Asstd. flavors
2Y1181—120 in box

"Circus" Suckers—Hard candy, in assd. animals, clowns, birds, etc
2Y1210 120 in box

Reed's "Butter Pals"—Pure butter scotch suckers on stick, each one wrapped.
2Y1060—120 in box.

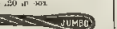
Chocolate Coated Cigar—5½ in. long, marshmallow center
2Y1174 120 pcs. in box.



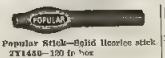
Marshmallow Shad—Marshmallow cream, fish shape, iced strawberry flavors pink and white
2Y1690—Asstd. 120 in box.

Marshmallow Banana—Marshmallow cream, banana color.
2Y1698—120 in box.

Penny Wafer Cones—Filled with white marshmallow, decorated with red strawberry
2Y1110—120 in box



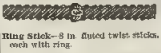
"Jumbo Twist"—Semi-solid, 11¾ in long.
2Y1207—120 in box.



Popular Stick—Solid licorice stick
2Y1450—120 in box

"Arm Pigs"—Licorice blocks
2Y1209—120 in box

Licorice Cigarette—Solid licorice stick, 10 in carton pkg.
2Y1219—120 pkgs. in box.



Ring Stick—8 in fluted twist sticks, each with ring.
2Y1112—120 in box.

Chocolate Covered Bear—Marshmallow center chocolate covered.
2Y4879—120 in box

Chocolate Tootsie Roll—Delicious chocolate chewing center, wrapped and banded.
2Y1003—120 in box

Carmel Stick—3½ in. long, creamy fudge base, chocolate flavored & caramels in box
2Y1176—120 boxes in carton.

Penny Cigar—Solid flexible licorice Banded
2Y1205—120 in box

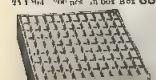
Circus Prize Rings—Pure gum rings asstd flavors and colors, each ring contains metal toy prize such as trolley cars, skates, lanterns, animals, canons etc
2Y1005 120 in box

PENNY CANDY SPECIALTIES—Asstd. Counts

ORDER THESE NUMBERS IN ANY QUANTITY

Faulkner's Suckery Asst—3 kinds, 120 in box, assd 2 boxes 360 each of Scout Suckers, assd hard candy in the suckers, butter flavor and chocolate suckers.
2Y1300 Asstd. 720 (6 boxes) in case Case, **$3.65**

Chocolate Coated Caramels—Chewy caramel center, dipped in rich chocolate coating
2Y1104 300 pcs. in box Box **68c**



Borden's Milk Chocolate Cubes—Soft smooth rich quality milk chocolate, sectioned.
2Y1640—240 in box. Box, **78c**

"A No. 1" Licorice Drops—Old fashioned licorice. Sell 2 for 1c
2Y1629—5 lbs in box Box. **$1.60**

Clark's Orchard Caramels—Fruit flavored pink tutti, each in pink wrapper, sell 5 for 1c.
2Y1702—200 pcs. in bx. Box. **70c**

Clark's Real Old English Butterscotch Caramels—Wrapped, sell 3 for 1c.
2Y1091—360 in box . . Box. **70c**

Clark's "EXL" Caramels—Whole milk caramels, assd vanilla and chocolate flavor wrapped sell 5 for 1c
2Y1692—Asstd. 360 in box. Box, **70c**

"PETE'S TREAT"

FREE in every box—12 five cent suckers, wrapped, and 1 five cent stick, wrapped.

TWELVE PENNY PIECES white centers in box entitle purchaser to a five cent sucker free. To the one purchasing the last piece in box, the large five cent wrapped stick is given free.

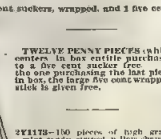
Jaw Breakers—Hard, pure sugar candy balls, center in variegated colors asstd. colors and flavors. Net weight 9½ lbs. Sell 1 for 1c Mfg.
2Y1230—Asstd. 200 in box Box. **$1.20**

Asstd. Jaw Breakers—1 in. size, 150 count, red and black BASEBALL with every box of JAW BREAKERS. Purchaser of last Jaw breaker gets baseball
2Y1172 150 Jaw breakers and 1 baseball in box. Box, **$1.10**

FREE—Ask for our handy combination

WANT BOOK and ORDER PAD

It will help you keep your stock up and your "outs" down. We'll send you a supply FREE on request



2Y1173—150 pieces of high grade mint candy striped yellow shaped 2¼ in long, 12 pieces with white centers, balance with pink centers, 12 five cent suckers and 1 five cent sucker stick complete in box with card of instructions Asst **$1.15**

"CRACKER JACK" CANDIES

FREIGHT PREPAID These goods shipped freight prepaid, our expense, to all points east of Denver.

☞ ORDERS FOR "CRACKER JACK" CANDIES MUST TOTAL 100 LBS. OR MORE, ONE KIND OR ASSORTED. ☜

5c Balloon Pop Corn Bricks

Corn well sweetened, each brick contains a very substantial rubber balloon, brick wrapped in colored tissue and banded.

3Y731—50 bricks in case, shipping wt. 10 lbs ..... Case, **$1.90**

3Y732—100 bricks in case, shipping wt. 19 lbs ..... Case, **3.75**

"Cracker Jack"

The best known, widest advertised pop corn confection Price in each pkg.

3Y726—50 pkgs. in case, shipping wt. 14 lbs ..... Case, **$1.90**

3Y727—100 pkgs. in case, shipping wt. 28 lbs ..... Case, **3.75**

"Angelus" Marshmallows

Vanilla flavor, wholesome and delicious, moistureproof pkg.

3Y1898 24 pkgs. in case, 9 lbs Case, **$1.90**

3Y725—50 pkgs. in case, 18 lbs **3.75**

"SHOTWELL" CANDIES—Famous Checker Brand

FREIGHT PREPAID These goods shipped freight prepaid, our expense, to all points east of Denver.

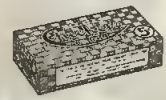
☞ ORDERS FOR "SHOTWELL" CANDIES MUST TOTAL 100 LBS. OR MORE, ONE KIND OR ASSORTED. ☜

Balloon Pop Corn Brick

3Y638—Sweetened corn, wrapped in colored tissue and banded each brick with metal size rubber balloon 50 bricks in case, with hat coma shipping wt. 14 lbs Case, **$1.90**

"Six Shot Repeater" Bar Goods

3Y635—6 styles, Mo la O, Banana, Cherry Creams, Chocolate Peanuts, Honey Nut, Chocolate Marshmallow All good 1 ¢ sellers foil and parchment Wrapped 100 bars in display case shipping wt 15 lbs Case **$3.60**



"Prize Checkers"

Popular pop corn confection Each pkg. contains a souvenir. Airtight moistureproof pkg.

3Y629—50 pkgs. in case, Shipping wt. 14 lbs ..... Case, **$1.90**

3Y630—100 pkgs. in case, shipping wt. 28 lbs ..... Case, **3.75**

10c Pkg. "Checker" Marshmallows

2½ oz. pkg., light, fluffy and pure, in triple sealed pkg.

3Y632—24 pkgs. in case, shipping wt 3 lbs ..... Case, **$1.90**

3Y633—50 pkgs. in case, shipping wt. 10 lbs ..... Case, **3.75**

400 Count Marshmallows

3Y634—Parchine sealed airtight packing, 400 to box 5 boxes in case. (Total $2.85) Box, **95c**

Marshmallows—In Tins

3Y635—10 lbs. in round tin airtight, layer packed shipping wt. 14 lbs Lb. **30c**

"Big Six" Bar Goods

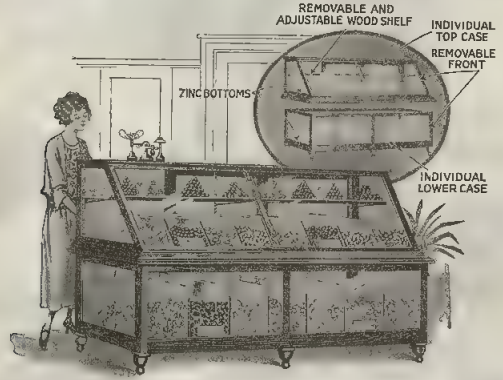
An unusually fine selection of 10c bars

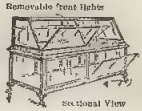
3Y637—The best sellers, all large attractive bars, bright foil wrapped. Assortment consists of 1 box each of the following: Chocolate Coated Cream Almond Bar, White Log Cocoanut Bar, Chocolate Nougat Bar, Cocoanut Cream Bar, Chocolate Winner Bar, Chocolate Marshmallow Bar. 24 bars in box. Assrtd. 6 boxes in case, shipping wt. 25 lbs. (Total $4.98) BOX. **83c**

CANDY DEPARTMENT

One good way to add a lot of profits to your business is to sell more candy. Candy is a line of good profits and many turns and when you buy from these pages you can get better profits and more frequent turns. A well selected candy stock should comprise a good line of chocolate creams of various flavors, a variety of popular chocolate bars and wrapped candies, about twenty kinds of flavored hard candies, cream candies and gum candies in bulk. A candy counter stocked with these can be counted upon to bring an ever-increasing volume to your store, especially if well displayed in neat, attractive form and with the equipment suggested on this page.

"LITTLE GEM" CANDY DISPLAY CASES





"Little Gem" Display Case consisting of display counter and sloping front top case with removable front that can be cleaned without disturbing contents, floor of top and bottom sections zinc lined white oak golden finish wood work, hand rubbed and polished, oxidized copper legs, double strength A quality glass throughout. polished wood shelf in top case, counter section without top but grooved for glass top (can be used separately if lined with glass top)

2Y9085—Top case. 6 ft. long, 30 in. high, outside measurement, 33 in. wide inside measurement ..... Each **$44.00**

2Y9084—Lower case, 6 ft. long 30 in. high, outside measurement, 33 in. wide, inside measurement ..... Each. **$45.50**

2Y9076—Complete 6 ft long 50 in high overall 27 in. wide, outside measurement. Shipping weight 60 lbs. per running foot ..... Each. **$92.50**

These prices do not include dividers and brackets. Same are extra

2Y9089—Top Case, 8 ft., 30 in. high, outside measurement. 21 in. wide, inside measurement ..... Each **$62.00**

2Y9085—Lower case, 8 ft. long. 30 in. high, outside measurement. 22 in. wide inside measurement ..... Each. **$67.50**

2Y9077 Complete, 8 ft. long, 50 in. high, overall. 27 in. wide, outside measurement. Shipping weight 60 lbs. per running foot ..... Each **$109.50**

These prices do not include dividers and brackets. Same are extra

PLATE GLASS DIVIDERS

Clear plate glass ground edges.

8x21 In—For dividing top case into compartments

2Y8078—7 in. case ..... Each
2Y8079 9 " **$1.35**

12x21 In For dividing lower case into compartments

2Y8283—6 in. case ..... Each
2Y8285 8 " **$1.50**

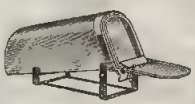
DIVIDER BRACKET

2Y4289 Nickel plated metal brackets with adjustable screws for holding glass dividers in place 1 pair in pkg Pr. **28c**

FIBER GLASS CANDY PAIL COVER

2Y779—13½ in diam., bright aluminum metal rim, open face of fiber glass material for covering candies, dried fruits and grocery specialties. Will fit standard candy pail ½ doz in pkg. Each. **85c**

PANAY HORIZONTAL CANDY SHOW JARS



One piece extra heavy glass, nickeled metal spring cover, rubber cushion air tight, contents not affected by atmospheric conditions absolutely sanitary, each in car ton 6 in case.

2Y9092—12¾x7½ cap. 7½ to 15 lbs. net. wt unpacked, 15 lbs. Tota, $39.00) Each. **$6.50**

Base Support for Panay Jars Made of iron, heavily tinned, k. d. complete with bolts for assembling

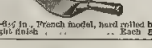
2Y9093—For 2Y9092 candy jar Each **$1.75**

"SUPERB" CONFECTIONERS' COMPUTING SCALE

With pass test of U. S. Dept. of Weights and Measures.

1H8870- 2 lbs., ½ oz., 5½ in. base, ht. 8 in., bearings and pivots tempered steel adjustable beam tinned to any position nickeled sliding indicator poise, fine wire iron above cast in cents of item weighed from 4c to 60c per lb brass sold brassed mountings and brass scoop. 1 in cents of lbs Each. **$7.75**

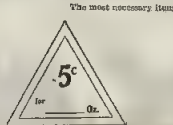
BRASS CANDY SCOOP



2Y96—6½ in., Wrench model, hard rolled brass bright finish ..... Each **50c**

SPECIAL CANDY PRICE TICKET ASSORTMENT

The most necessary items for your candy counter.



2Y9091 -8 kinds, printed in black on buff colored triangle shape cards. Assorted as follows:

Quantity		Quantity		Quantity		Quantity	
5c	oz	7	10c	lb	3	40c the pound	3
5c	lb	7	10c the pound		3	60c " "	3
10c	oz	7	30c " "		3	40 cards in assd.	8

Asst. **25c**

CRYSTAL CANDY TRAY

1C2423—5½x8¾, 1 in pressed clear crystal bottom 2 doz. in shipping carton, 40 lbs. Doz. **$1.95**

GLASSINE CONFECTIONERY BAGS

25 lb base, white clear transparent bags, flap ends. 1,000 in box

2Y9042—1 lb. ..... Per M. **$1.20**
2Y9043—½ " **1.55**
2Y9043—1 " **2.15**

For full line of bags see page 94

GUM AND PACKAGE CANDY DISPLAY CASE

2Y9075 - Highly finished oak case 13 x10x11½ double strength glass, bilated back door, k d each in case, Each **$6.50**

BULK CANDIES

In and out every day. That's the way we sell candy. That insures that our stocks are always fresh. A study of these prices will quickly show you the vital importance of looking at our quotations each month.

GUARANTEE: We guarantee all of our candies listed on these pages to comply with the National Pure Food laws as well as all state laws

Cocoanut Bon bons

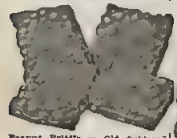
Note the price we're quoting. You can't beat it

2Y633—Pure shredded cocoanut hand rolled dipped in cream vanilla and other rich liquid flavors, in fancy pieces to 16 lb., as fancy as can be made. Lb. **20½c**

HARD CANDIES AND CREAMS

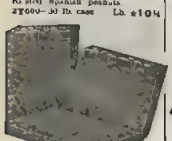
Grocers' Mixed—Grain gum and pan work in variety of pieces, about 70 to lb. 2Y689—5 lb case Lb. **9½c**

Golden Butter Krunch—Pure sugar, butter and cocoanut, in crisp, porous, golden color satin finished jackets rolled in ground cocoanut, contains butter. 90 pcs. to the lb 2Y746—30 lbs in pail Lb **15c**

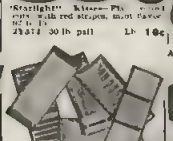


Peanut Brittle — Old fashioned kettle candy containing fresh roasted Spanish peanuts 2Y600—30 lbs case Lb. **c10¼**

"Starlight" Kisses—Pink and white cuts with red stripes, mint flavor 80 to lb 2Y674 30 lb pail Lb **10c**



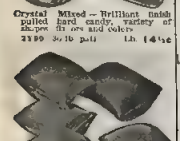
Peanut Squares — Fresh roasted Spanish peanuts in nut crisp candy, in squares to lb. 30 to lb. 2Y607 30 lb case Lb **12½c**



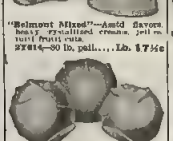
"Brilliant Mixed"—Satin finish oblong tablet shaped, many flavors and colors, 60 pieces to lb. 2Y684—30 lbs in pail Lb. **17½c**

Crystal Mixed — Brilliant finish pulled hard candy, variety of shapes, flavors and colors 2Y99 30 lb pail Lb **14½c**

"Belmont Mixed"—Assrtd flavors, heart crystallized creams, jelly nut fruit rolls 2Y614—30 lbs. pail..... Lb. **17½c**

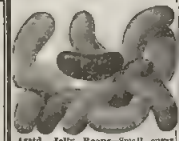


Butterscups—Satin finished vanilla, Edinburgh assrtd flavors, 125 to lb 2Y575—30 lb. pail. ....Lb. **10c**

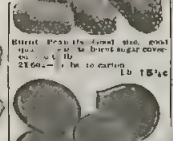


Cocoanut Beabens—Pure shredded cocoanut hand rolled dipped in cream, vanilla, strawberry, maple flavors, 30 to 40 pieces to lb., in layer trays. 2Y623 5 lbs net in pails Lb **20½c**

PAN GOODS



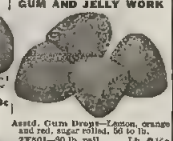
Assrtd. Jelly Beans—Small sugar coated, soft jelly centers, assrtd. flavors and colors, 120 to lb. 2Y585—40 lb. pail....Lb. **11½**



Burnt Peanuts—Small size, good quality nuts burnt sugar covered, 90 to lb 2Y66— 5 lbs to carton Lb **15½c**

Butterscotch Wafers—Small, hard candy wafers, butter flavor, 125 to lb. 2Y621—40 lb. pail.....Lb. **15½c**

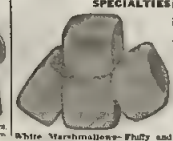
GUM AND JELLY WORK



Assrtd. Gum Drops—Lemon, orange and red, sugar rolled, 90 to lb. 2Y501—30 lb. pail.....Lb. **9½c**

Sugar Fruit Marmalade—Five layers of combination whipped cream and fancy jelly, many rolled and cream and fancies. Layer packing 2Y593—30 lb. case.....Lb. **10c**

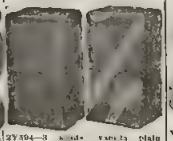
MARSHMALLOW SPECIALTIES



White Marshmallows—Fluffy and delicious, 50 pcs. to lb. 2Y731—Four 5 lb. boxes in case, 20 lbs. Lb. **16c**

Marshmallow Peanuts — Exact imitation of peanuts, light fluffy candy to sell by weight or count. 70 pcs to lb 2Y171—25 lb. drum..... Lb. **17c**

"ATLAS" FUDGE

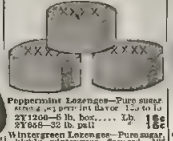


2Y494—3 kinds—vanilla plain chocolate and vanilla marbled 32 to lb. Lb. **14½c**

"DOMINION" MINTS

2Y672—Pure sugar lumps, highly mint flavored, about 153 pieces to lb. 35 lb. case..... Lb. **16c**

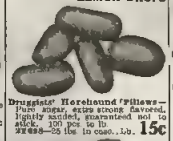
LOZENGES



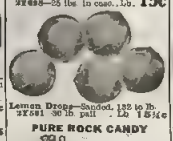
Peppermint Lozenges—Pure sugar stick peppermint flavor 125 to lb 2Y1206—5 lb. box..... Lb. **16c** 2Y658—32 lb. pail **15c**

Wintergreen Lozenges—Pure sugar, highly wintergreen flavored, 125 to lb 2Y1201 5 lb. box ... Lb. **16c** 2Y659—32 lb. pail **15c**

HOREHOUND AND LEMON DROPS

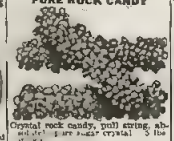


Druggists' Horehound Pillows—Pure sugar, extra strong flavored, lightly acidied, guaranteed not to stick. 100 pcs to lb 2Y695—25 lbs in case...Lb. **15c**



Lemon Drops—Sanded, 125 to lb. 2Y581 30 lb pail Lb **15½c**

PURE ROCK CANDY

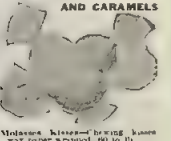


Crystal rock candy, pail string, absolutely pure sugar crystal 5 lbs 2Y1631—White.. Lb. **27c** 2Y1632—Assrtd. white, red and amber colors Lb. **28c**

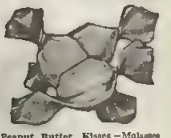
JUMBO CORN

2Y796—Butter cream style, giant fruit shaped corn, large kernels, 240 to lb. 30 lb. pail Lb **10½c**

WRAPPED KISSES AND CARAMELS



Molasses Kisses—Brown kisses wax paper wrapped 90 to lb 2Y319 20 lb. case Lb **7½c**

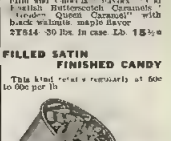


Peanut Butter Kisses—Molasses kisses, peanut butter center, wax paper wrapped, 90 to lb 2Y633—20 lb. case... Lb **7½c**

Clark's "Big 3" Wrapped Caramel Assortment—Soft chewing, made from best quality milk, cream and butter, true fruit flavors wrapped in paper, guaranteed not to stick 80 to 90 pcs. to lb Asst. consists of two 5 lb. trays of each of the following "I X L" Milk Caramel Vanilla and Chocolate flavors, "Old English Butterscotch Caramels," "Golden Queen Caramels" with black walnuts, maple flavor 2Y514 30 lbs. in case Lb. **15½c**

FILLED SATIN FINISHED CANDY

This kind retails remarkably at 60c to 60c per lb



25 LB TIN

Assrtd. Kinds, fruits, nuts chocolate cream mint cream, satin finish, assrtd. shapes, pillows, waffles buttercups, bonbons, etc.

2Y705—25 lbs in tin Lb. **21c**

5 LB. TINS

2Y1164—Fruit filled pillows. Lb. **22c**

2Y1163—Assrtd. fruit, nut and cream Lb. **22c**

2Y1165—Cream mint filled wafers Lb. **22c**

2Y1166—Fruit filled wafers 1 lb **22c**

2Y1167—Cocoanut filled buttercups Lb. **22c**

2Y1168—Nut cream filled wafers Lb. **22c**

Note: In case lots of 6 tins, 1 kind or assrtd. 1c per lb. less.

PURE SUGAR STICK CANDY

2Y981 — Assrtd. flavors, wrapped, over 40 sticks to lb 100 in wood box, 6 boxes (600 sticks) to case Case **$3.75**

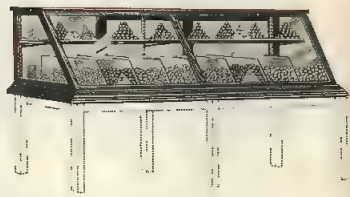
Candy Department

The more you push candy the better your profits and volume will be all through your store. To start right, have a floor case or a counter case as shown below and plenty of price tickets and other equipment.

Over the page are the new factory shipment candies, FRESH GOODS—freshly made each day. NEW PRICES—they speak for themselves and they will bring you extra business and extra turns.

"LITTLE GEM" FLOOR CANDY CASES

"LITTLE GEM" COUNTER CANDY CASES



"Little Gem" Display Case consisting of display counter and sloping front top case with removable front that can be cleaned without disturbing contents, floor of top and bottom section, zinc lined, hand rubbed and polished woodwork, oxidized copper legs, double strength "A" quality glass throughout, polished wood shelf in top case, counter section without top but grooved for glass top (can be used separately if fitted with glass top).

8 FT. CASE—
Complete Case, 8 ft. long, 30 in. high overall, 27 in. wide, outside measurement. Shipping weight 60 lbs. per running foot.
2Y9077—Golden oak finish .. .. Each **$109.50**
2Y9100—Red mahogany finish ..... " **112.00**

6 FT. CASE—
Complete Case, 6 ft. long, 30 in. high, 27 in. wide, outside measurement. Shipping weight 60 lbs. per running foot.
2Y9076—Golden oak finish .. .. Each **$92.50**
2Y9102—Red mahogany finish ..... " **95.00**
These prices do not include dividers and brackets. Same are extra.

8 FT. CASE—
Top Case, 8 ft. long, 20 in. high outside measurement 21 in. wide inside measurement
2Y9088—Golden oak finish . Each, **$52.00**
2Y9101—Red mahogany finish . " **54.50**

6 FT. CASE—
Top Case, 6 ft. long, 20 in. high outside metal remeasurement, 21 in. wide inside measurement.
2Y9089—Golden oak finish Each, **$44.00**
2Y9103—Red mahogany finish " **46.00**
These prices do not include dividers and brackets. Same are extra.

SPECIAL CANDY COUNTER EQUIPMENT AND SUPPLIES

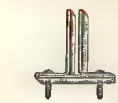
PLATE GLASS DIVIDERS

Clear plate glass, ground edges

8x21 In.—For dividing top case into compartments
2Y9078—7 in. case ...{ Each
2Y9079—9 " " .....{ **$1.35**

12x21 In.—For dividing lower case into compartments.
2Y9203—6 in. case ...{ Each
2Y9205—8 " " ...{ **$1.50**

DIVIDER BRACKET



2Y4289—Nickel plated metal brackets with adjustable screws for holding glass dividers in place. 1 pair in pkg. Pr **28c**

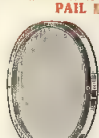
BRASS CANDY SCOOP

2Y91—6½ in. French model, hard rolled brass, bright finish 1 in pkg. Each, **50c**

"AIR-DOOR" CANDY SHOW JAR

2Y9188—1 piece extra heavy glass handle, metal screw cap door, contents not affected by atmospheric conditions, specially made moisture absorbing pad in door, absolutely sanitary. Includes metal bracket furnished with each jar. 1 in carton Each **$4.50**

FIBER GLASS CANDY PAIL COVER

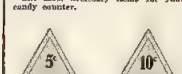


2Y770—13½ in. diam. bright aluminum moisture proof open face of fiber glass material for covering candies, dried fruits and grocery specialties. Will fit standard candy pail. 6 in pkg. (Total $3.10) Each, **85c**

For our line of Candy Scales and Candy Trays refer to the Index.

SPECIAL CANDY PRICE TICKET ASSORTMENT

The most necessary items for your candy counter.



2Y9091—8 kinds, printed in black on buff colored triangle shape cards. Assorted as follows

		Quantity	
5c	oz.	7	40 cards in asst.
5c	lb	2	
10c	oz.	7	
10c	lb	1	
20c	the pound	3	25c
30c	" "	3	
50c	" "	3	
60c	" "	3	

GLASSINE CONFECTIONERY BAGS

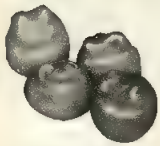
25 lb. basn. white clear transparent bags flat ends 1 M in box.
2Y9041—½ lb. . . For M, **$1.20**
2Y9042—½ " " " **1.55**
2Y9043—1 " " **2.15**
For our full line of Bags see page 104

GUM AND PACKAGE CANDY DISPLAY CASE

2Y9075—Highly finished oak case 13½x10x11¼, double strength glass, hazel back door, 2 doors each in case Each, **$6.50**

FRESH FROM THE KETTLES

To guarantee freshness these candies must be specially inspected, hence must be shipped separately. Your order from this page must total 100 lbs. or more.

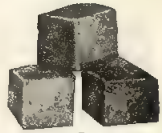


Coco Bonbons

3Y622 Soft center vanilla flavored, hand dipped cream, four flavors and colors, strawberry, maple, chocolate and vanilla. 30 lbs. in pail. Shipping wt 35 lbs. Lb. **15½c**

"Empire" Chocolate Creams

3Y665—Good white center, vanilla flavored, well covered with medium dark sweet coating. 25 to lb. 50 lb pail. Lb. **11⅞c**

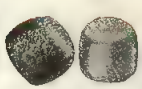


Coco Squares

3Y618—Heavy crystallized soft shredded cocoanut, assd flavors, maple, vanilla and strawberry, about 43 pcs. to lb. 50 lbs. in pail. Shipping wt. 35 lbs. Lb. **15c**

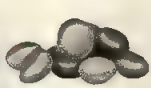
Jelly Beans

3Y585 Standard size, sugar coated, very soft centers. Assorted, many flavors and colors. 40 lbs. in pail. Shipping wt. 45 lbs. Lb. **11¢**



Crystallized Jelly Gums

3Y617—Very fine soft jelly gums, 5 flavors and colors. Tangerine, orange, lemon, pineapple and raspberry, about 85 pcs. to lb. 30 lbs. in pail. Shipping wt. 35 lbs. Lb. **12½c**



Assorted Imperials

3Y616—High grade, pan sugar coated, very bright assrd in many colors and flavors. 30 lbs. in pail. Shipping wt. 35 lbs. Lb. **14¢**

Fruit Slices

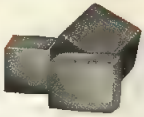
3Y609 Orange and lemon jelly slices, soft jelly, heavily crystallized, assrd colors and flavors, about 60 pcs to lb. 30 lbs. in pail. Shipping wt. 35 lbs. Lb. **14½c**

Jaw Breakers

3Y645—Assrd red and black fine sugar candy balls variegated color centers, about 85 pcs to lb. sold 3 for 1c. 30 lbs. in pail. Shipping wt. 35 lbs. Lb. **15c**

Satin Finish Hard Candy

3Y694—Assrd colors and flavors with cocoanut and peanut butter in many colors and flavors, about 120 pcs to lb. 80 lbs. in pail. Shipping wt 85 lbs. Lb. **15c**



Assorted Marshmallows

3Y625 Assorted cocoanut and pure white, very fluffy and tender, about 55 pcs to lb. 25 lb box each. Assrd 50 lbs. in case. Shipping wt 55 lbs. Lb. **15½c**

Whirling Cream Caramels

3Y626 High grade soft chewing caramels, vanilla and chocolate with nougat cream filling, about 65 pcs. to lb. each piece wrapped. 50 lbs. in case. Shipping wt 55 lbs. Lb. **15½c**

Butter Caramels Wrapped

3Y627 Soft chewing butter caramel, vanilla flavored, waxed paper wrapped, about 72 pcs. to lb. 30 lbs. in layer packed case. Shipping wt. 35 lbs. Lb. **15½c**

Tutti Frutti

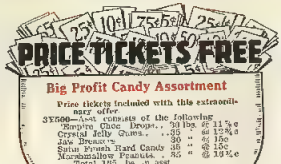
3Y607—Cocoanut candy oblong shapes, 4 layers, with assrd colors and flavors. Jelly pieces worked in squares, about 48 pcs to lb. 50 lbs. in pail. Shipping wt 55 lbs. Lb. **15½c**

Cream Dips, Hand Work

3Y696—Soft cream centers, maple flavored, glace cream covered in assrd flavors, maple, strawberry, chocolate and vanilla, about 45 pcs to lb. 30 lbs. in case. Shipping wt. 35 lbs. Lb. **15½c**

Butter Cream Mixed

3Y602 Big variety flavors and colors, shapes, about 100 pcs to lb. 30 lbs. in case. Shipping wt 35 lbs. Lb. **10c**


PRICE TICKETS FREE
Big Profit Candy Assortment
Price tickets included with this extraordinary offer
3Y500—Net contents of the following
Empire Choc. Drops . . 50 lbs. @ 11¾c
Crystal Jelly Gums . . 35 " @ 12½c
Jaw Breakers . . . . 30 " @ 15c
Satin Finish Hard Candy 35 " @ 15c
Marshmallow Peanuts . 35 " @ 16½c
Total 205 lbs. in asst
At 20c per lb. sells for $41.25
Costs You . . . 20.42
Profit, $17.83

Marshmallow Peanuts

3Y101—Banana flavor, light and fluffy, very bulky, sell by weight or count, about 200 pcs to lb. 30 lbs. in case. Shipping wt. 35 lbs. Lb. **16½c**

Toasted Krunches

3Y605—Pure sugar jacket, molasses flavored, filled with peanut butter, refined, toasted cocoanut, about 120 pcs to lb. 50 lbs. in pail. Shipping wt 55 lbs. Lb. **16½c**

TRIP HAMMER

THE "PERFECT POWER HAMMER

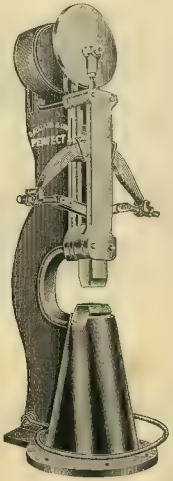
Practical Design

Strong Construction

Friction Clutch Pulley

Phosphor Bronze Pitman

Solid Cast Frame



Simple Adjustment

Direct Vertical Stroke

Long Accurate Guides

Forged Steel Ram

Steel Plow Share Anvil

DESCRIPTION

The Illustration will show to the practical man the Simplicity and Strength of Construction of this Hammer and the Material used, Workmanship employed and Finish attained are of the highest class, in full conformity with the superiority of Design.

The Head, carrying the Spring moves on Planed Guides ensuring a Direct Accurate Vertical Stroke.

The Length of the Guides is 27-in. and they are bolted to the Main Frame.

The Friction Clutch Belt Pulley ensures absolute and instant control of operation, from the slightest tap to the heaviest blow, by Foot Pressure.

The adjustable Connecting Rod has Phosphor Bronze Couplings and is connected to the Spring by a Steel Cross Head.

The Tension of the Spring is Adjustable and there is absolutely no side pull on Hammer Head.

The Head is Forged from Solid Tool Steel, Tempered.

SPECIFICATIONS

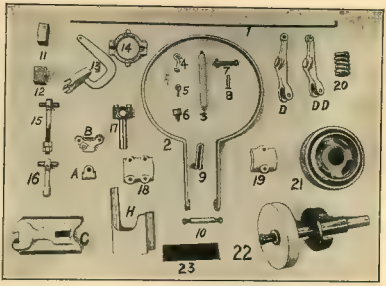
Floor Space Required	20 x 30 in.
Height Overall	6 ft. 9 im.
Size of Ram	3 x 3 in.
Weight of Ram	40 lbs.
Will Forge Iron	2½ x 2½ in.
Will Sharpen Shares	Any Size
Size of Pulley	12 x 4 in.
Rev. per Minute	280
Power Required	1 H.p.

"Perfect" Power Hammer

With Plow Share Anvil Die
Shipping Weight 1100 lbs. $600.00

HAMMER PARTS

REPAIR PARTS



FOR CANADIAN GIANT TRIP HAMMERS

Price Each

Part		For No. 25	For No. 50
No. 1	—Treadle Connecting Rod	$ 2.80	$ 2.80
No. 2	—Treadle	10.00	11.50
No. 3	—Treadle Spring	1.50	1.50
No. 4	—Upper Hook for Treadle Spring	.66	.66
No. 5	—Lower Hook for Treadle Spring	.66	.66
No. 6	—Grease Cup	.66	.66
No. 7	—Stud for Friction Clutch Fork	1.10	1.40
No. 8	—Pivot Pin in Crosshead	1.10	1.30
No. 9	—Link for Lower End of Treadle Connecting Rods	1.76	1.76
No. 10	—Pivot Pin for Treadle	2.00	2.20
No. 11	—Hammer Die	6.10	27.50
No. 12	—Anvil Die	13.20	34.10
No. 13	—Friction Clutch Fork	9.36	11.00
No. 14	—Friction Clutch Yoke Ring	3.30	3.86
No. 15	—Long Connecting Bolt for Ram	3.86	5.50
No. 16	—Short Connecting Bolt for Ram	3.86	5.50
No. 17	—Pitman	18.92	33.00
No. 18	—Front Bearing Cover, not Babbitted	2.70	2.64
No. 19	—Back Bearing Cover, not Babbitted	2.00	2.42
No. 20	—Spring for Ram and Pitman	4.40	8.80
No. 21	—Pulley	29.70	47.30
No. 22	—Shaft, Crank Disc and Friction Sleeve	50.60	81.40
No. 23	—Friction Clutch Pad	.88	1.32
No. A	—Connection for Lower End of Part D-D	2.76	4.40
No. B	—Crosshead	4.40	11.00
No. C	—Ram	49.70	77.00
No. D	—Pitman Connecting Rod, Left Hand	5.00	11.00
No. D-D	—Pitman Connecting Rod, Right Hand	5.00	11.00
No. H	—Slide Cover for Ram	14.74	30.80

THE FOLLOWING REPAIR PARTS ARE CARRIED IN STOCK AT WINNIPEG:

No. 11, No. 12, No. 15, No. 16, No. 17, No. 20, No. A, No. B, No. C, No. D, No. D-D, No. H.

Other Parts can be shipped Direct from the Eastern Factory.

SHAKEPROOF

The Lock Washer with a Bull dog grip—

There are so many uses for the Shakeproof Lock Washer that dealers have no difficulty in turning their stock. People want and need them. Shakeproof do not rust; give equal pressure at all points, are lighter than ordinary types; do not spread; they can be used with shorter bolt lengths

To facilitate quick selling we supply a handsome display stand containing pockets for all sizes; the washers themselves being put up in neat ten-cent packages—a miniature lock washer store. The stand can be either stood up on the counter or hung on the wall—always readily accessible—always right in plain sight without being in the way. Write for details.

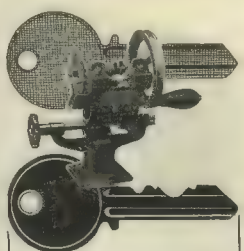
Stand, 100 package stock, $6.50.

Stand, 200 package stock, $12.00.

Refills, per gross, $8.64

Refills, per half gross, $4.45

Shakeproof Screw and Nut Lock Company
Dept. GH-3.
Wrigley Bldg. Chicago, Ill.



Simplicity!!

Sturdy, solid construction; automatic adjustment and feed; nothing to get out of order; durable—these are the important features of the

Philadelphia Pin Key Duplicating Machine

One cutter duplicates 3,000 keys—makes $500 clear profit for you! Additional cutters at slight cost! Guaranteed to duplicate any pin tumbler key in less than a minute—additional duplicates in less than half a minute each.

Price is only

$18.00

F. O. B. Philadelphia

Money back if not satisfied. Order from your jobber today or use the coupon below.

Philadelphia Pin Key Machine Co., 222 S. 10th St., Philadelphia, Pa. Send me by express collect—Philadelphia Pin Key Duplicating Machine, price $18.00 each, F.O.B. Philadelphia. If not satisfactory, you guarantee to refund money paid.

Name .....

Address .....

Jobber's Name.....

Jobber's Address .....

TRADE MARK REGISTERED IN THE U. S. PATENT OFFICE

AUTOMOBILE CLOCKS

SHAPLEIGH HARDWARE CO.

*ON TIME

These Clocks are Made of the Best Grade of Materials and are Very Handsome in Appearance and Workmanship; Very Strong and Durable. Built Especially to Withstand the Hard Usage and Vibration of Automobile Travel; Easily Attached to Dash by Three Wood Screws, and Contain Very High Grade Thoroughly Tested Movements.

For Use on Straight Dash Board

Fine 30 Hour Movement, with Second Hand; Stem Wind and Set; Cases Finished in Nickel and Black Enamel with Nickel Rim; 2½ inch White Porcelain Dial; Height, 3½ inches; Width, 3 inches; Heavy Plate Glass Crystal, Weight Each, 13 ozs.

Each

No. 3BN—Black Enamel with Nickel Rim..... **$4 50**
One in a Box

Eight Day Movement, with Convenient Outside Wind and Set; Case Finished in Black Enamel with Nickel Rim [illegible] White Porcelain Dial with Second Hand; Height, 3½ inches; Width, 2¾ inches; Heavy Plate Glass Crystal; Weight Each, 20 ozs.

Each

No. 4BN—For Cowl Board; Black Enamel with Nickel Rim..... **$7 50**
One in a Box

These Clocks are Dust and Moisture Proof; Vibration Does Not Affect Their Time-Keeping Quality; Outside Wind and Set.

Each

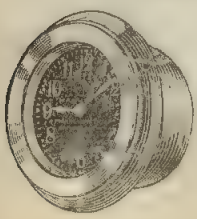
No. 6N—30 Hour Movement, Otherwise Same as No. 5N; Nickel Plated Case **$5 50**
One in a Box

The Same Eight Day Movement is Used in This Clock as is Used in the No. 4BN Furnished in Nickel Plated Finish; Extreme Width, 3½ inches; 3 inches Deep; 2½ inch Dial with Second Hand; Heavy Plate Glass Crystal; Weight per Clock, 15 ozs.

Each

No. 5N—For Dash Board; Nickel Plated Case..... **$7 50**
One in a Box

PHINNEY-WALKER



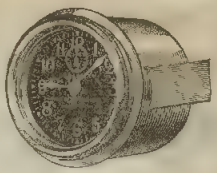
Eight Day Movement; Rim Wind and Set. All Nickel Plated Case; 2¼ inch Porcelain Dial, with Second-Hand; Height, 3¾ inches; Width, 3¾ inches; Heavy Plate Glass Crystal.

Each

No. MANHATTAN—Weight Each, 2 lbs..... **$18 00**
One in a Box

AUTOMOBILE CLOCKS

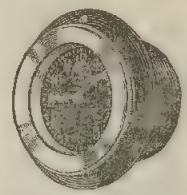
PHINNEY-WALKER



Eight Day Movement; Rim Wind and Set; Full Nickel Plated Case, 2½ inch Black Finish Dial with Second Hand; Width, 3½ inches; Height, 3½ inches; Heavy Plate Glass Crystal.

Each

No. BROADWAY—Weight Each, 1¾ lbs..... **$17 20**
One in a Box



Eight Day Movement: Rim Wind and Set; Black Lacquered Case; 2½ inch Black Dial with White Figures and Second Hand; Width, 3½ inches; Height, 3½ inches; Heavy Plate Glass Crystal.

Each

No. DETROIT—Weight Each, 1¾ lbs.. **$17 20**
One in a Box

Eight Day Movement; Key Wind and Set; Full Black Enameled Case; 2¼ inch White Dial with Black Figures and Second Hand. Height, 3½ inches; Width, 3½ inches; Heavy Plate Glass Crystal.

Each

No. DENVER—Weight Each, 1¼ lbs.. **$11 00**
One in a Box

30 Hour Movement; Stem Wind and Set; Black Enameled Case; 2¼ inch White Dial with Black Figures and Second Hand; Height, 3 inches; Width, 3 inches; Beveled Crystal.

Each

No. FRISCO—Weight Each, ¾ lb **$8 00**
One in a Box

Assortment Consists of One Each, Detroit, Denver and Frisco Clocks, as Described Above, in Metal Counter Display.

Each

No. PW—Weight per Assortment, 4 lbs..... **$36 60**
One in a Carton

PUMP LEATHERS

For Bicycle, Motorcycle and Auto Pumps

	Per 100
No. O—¾ inch; Weight per Dozen, ¾ lb	$1.00
No. OO—¾ inch; Weight per Dozen, ¾ lb	.95
No. A—¾ inch; Weight per Dozen 1 oz	1.00
No. D—1 inch; Weight per Dozen, 1 oz	1 30
No. E—1 inch; Weight per Dozen, 2 ozs	1 90
No. F—1¼ inch; Weight per Dozen, 2 ozs	4 50
No. G—2 inch; Weight per Dozen, 2½ ozs	5.10

Loose

IN SETS

Showing Set No. 2

	Per Dozen Sets
†No. 2—Fits the Brown Impulse Pump	$3 00
†No. 3—Fits the Imperial Wilson Pump	1.70
No. 4—Fits the Aetous Pump	1.70
†No. 6—Kellogg Pump	1.40
†No. 7—Rex Pump	1.70
†No. 8—Skinner Pump	1.70
†No. 9—Noera Senior Pump	1 80
†No. 10—Noera Junior Pump	1 70
†No. 11—Noera Ideal Pump	1.70
†No. 12—No. 14 Pioneer Pump	1 90
†No. 13—Kellogg Power Pump	6 00
†No. 14—Eureka and Twinplex	2.70
†No. 15—J. O. L. Victor	1.90
†No. 16—New Stapley	1.90
†No. 17—Windjammer and Atlas	1.90

Four Cups to a Set; Average Weight per Set, ½ lb.

PUMP HOSE CONNECTIONS

ACORN

	Per Dozen
No. ACORN—Nickel Plated Brass; Rubber Washer; Length, 2 inches; Diameter, 1 inch; Absolutely Airtight; Connection Made by Pushing on Over Valve; Weight per Dozen, ¾ lb	$3.00

Extra Washers for Acorn Pump Connections; Weight per Dozen, 1 oz. .30

Loose

PUMP HOSE

Highest Grade Black Rubber; Measurements are Inside

Nos.	14	15	16
Diameter, inches	⅛	¼	⅜
Weight per Roll, lbs	1	1¼	1½
Per Foot	$0 10	.15	.20

In 12 foot Rolls Only

PUMP HOSE BANDS

ESCO

Brass

Nos.	1	2	3
Inside Diameter, inch	¾	1	1¼
Per Dozen	$0 50	.50	50

8⅓ Dozen in an Envelope; Weight per Envelope, ¾ lb.

AUTOMOBILE VENTILATORS

For Ford Cars

VENT-A-FORD

It is Curved to Fit Exactly the Cowl of Roadster, Touring Car or Coupe.

A Rubber Gasket is Provided to Prevent Leakage Between it and Cowl—No Shellac Required

The Nickel Plated Ratchet, or Operating Device, Contact with a Brass Spring Attached to the Base; this Spring Being Fast at All Times Does Away with Any Possibility of Rattle. The Body is Finished with Two Coats of Auto Enamel, Baked On.

Very Simple and Easy to Install; Complete with Bolts, Ready to Install.

	Each
No. VF—For Ford Roadster, Touring Car or Coupe; Weight Each, ¾ lbs	$3.50
No. VC—For Ford Sedans and for All Cars Where There is a Flat Surface to Install; Weight Each, ¾ lb	3.50

One in a Carton; Twelve Cartons in a Case

THERE IS MUCH IN A NAME

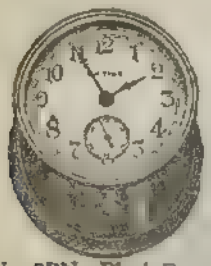
A STEEL SQUARE MUST BE ABSOLUTELY CORRECT TO BE OF ANY VALUE, AS MUCH DEPENDS ON ITS ACCURACY. IT IS JUST AS TRUE THAT DIAMOND EDGE PRODUCTS MUST IN EVERY INSTANCE BE JUST AS PERFECT. THERE IS NOTHING HALF-WAY OR "JUST AS GOOD" ABOUT THEM. THEIR NAME IS THEIR GUARANTEE AND HAS BEEN FOR OVER HALF A CENTURY. DEALERS WILL FIND THAT IT PAYS TO STICK TO THE ONE LINE, NEVER FAILING TO KEEP IT COMPLETE WITH ORDERS MAILED IN OFTEN.

AUTOMOBILE CLOCKS

SHAPLEIGH HARDWARE CO.

*ON TIME

These Clocks are Made of the Best Grade of Materials and are Very Handsome in Appearance and Workmanship; Very Strong and Durable; Built Especially to Withstand the Hard Usage and Vibration of Automobile Travel; Easily Attached to Dash by Three Wood Screws, and Contain Very High Grade Thoroughly Tested Movements.

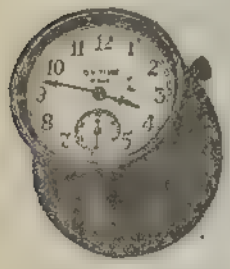


For Use on Straight Dash Board

Fine 30 Hour Movement, with Second Hand; Stem Wind and Set; Cases Finished in Nickel and Black Enamel with Nickel Rim, 2½ inch White Porcelain Dial; Height, 3½ inches; Width, 3 inches; Heavy Plate Glass Crystal; Weight Each, 13 ozs.

Each

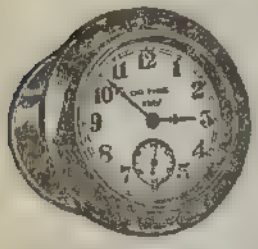
No. 3BN—Black Enamel with Nickel Rim..... **$4 50**
One in a Box



Eight Day Movement, with Convenient Outside Wind and Set. Cases Finished in Black Enamel with Nickel Rim, 2½ inch White Porcelain Dial with One Hand, Height, 3½ inches; Width, 2⅞ inches; Heavy Plate Glass Crystal; Weight Each, 20 ozs.

Each

No. 4BN—For Cowl Board; Black Enamel with Nickel Rim..... **$7 50**
One in a Box



These Clocks are Dust and Moisture Proof; Vibration Does Not Affect Their Time-Keeping Quality; Outside Wind and Set.

Each

No. 6N—30 Hour Movement; Otherwise Same as No. 5N. Nickel Plated Case..... **$5 50**
One in a Box

The Same Eight Day Movement is Used in This Clock as is Used in the No. 4BN. Furnished in Nickel Plated Finish; Extreme Width, 3½ inches; 3 inches Deep; 2½ inch Dial with Second Hand; Heavy Plate Glass Crystal; Weight per Clock, 15 ozs.

Each

No. 5N—For Dash Board; Nickel Plated Case..... **$7 50**
One in a Box

PHINNEY-WALKER

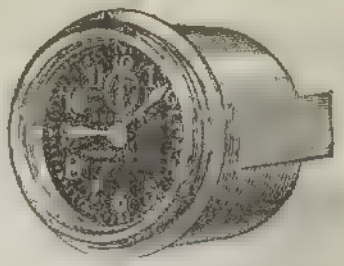
Eight Day Movement; Rim Wind and Set. All Nickel Plated Case, 2¼ inch Porcelain Dial, with Second-Hand; Height, 3¾ inches; Width, 3¾ inches; Heavy Plate Glass Crystal.

Each

No. MANHATTAN—Weight Each, 2 lbs..... **$18 00**
One in a Box

AUTOMOBILE CLOCKS

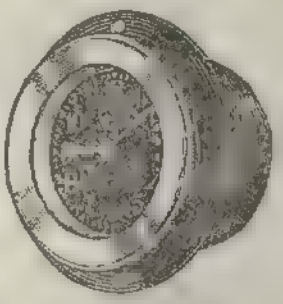
PHINNEY-WALKER



Eight Day Movement; Rim Wind and Set, Full Nickel Plated Case, 2¼ inch Black Finish Dial with Second Hand; Width, 3½ inches; Height, 3½ inches; Heavy Plate Glass Crystal.

Each

No. BROADWAY—Weight Each, 1¾ lbs..... **$17 20**
One in a Box



Eight Day Movement; Rim Wind and Set; Black Lacquered Case; 2½ inch Black Dial with White Figures and Second Hand, Width, 3½ inches; Height, 3½ inches; Heavy Plate Glass Crystal.

Each

No. DETROIT—Weight Each, 1¾ lbs..... **$17.20**
One in a Box

Eight Day Movement; Key Wind and Set, Full Black Enameled Case; 2¼ inch White Dial with Black Figures and Second Hand; Height, 3½ inches; Width, 3½ inches; Heavy Plate Glass Crystal.

Each

No. DENVER—Weight Each, 1¼ lbs..... **$11 00**
One in a Box

30 Hour Movement; Stem Wind and Set; Black Enameled Case; 2¼ inch White Dial with Black Figures and Second Hand; Height, 3 inches; Width, 3 inches; Beveled Crystal.

Each

No. FRISCO—Weight Each, ¾ lb..... **$8 00**
One in a Box

Assortment Consists of One Each, Detroit, Denver and Frisco Clocks as Described Above, in Metal Counter Display.

Each

No. PW—Weight per Assortment, 4 lbs..... **$36 60**
One in a Carton

Fine Gold Filled Brooches

QUALITY GUARANTEED PRICES EACH.

No. 6218 . . . . . $5.70
Real pink shell cameo.
English finish.
Pierced mounting. Green gold ornaments.

No. 6219 . . . . . $4.90
Real pink shell cameo.
Pierced mounting.
Engraved, English finish.

No. 6220 . . . . . $4.75
Real pink shell cameo.
English finish.
Engraved mounting.
Green gold ornaments.

No. 6221 . . . . . $4.50
Real pink shell cameo.
English finish.
Filigree mounting.

No. 6222 . . . . . $4.25
Real pink shell cameo.
English finish mounting.
Green gold ornaments.

No. 6223 . . . . . $3.65
Real pink shell cameo.
English finish.
Pierced mounting.

No. 6224 . . . . . $3.25
Real pink shell cameo.
English finish.
Filigree mounting.

No. 6225 . . . . . $3.25
Real pink shell cameo.
English finish.
Filigree mounting.

No. 6226 . . . . . $3.15
Real pink shell cameo.
English finish.
Engraved mounting.

No. 6227 . . . . . $2.65
Real pink shell cameo.
English finish mounting.
Green gold ornaments.

No. 6228 . . . . . $3.50
Real pink shell cameo.
English finish.
Engraved mounting.

No. 6229 . . . . . $3.40
Real pink shell cameo.
English finish mounting.
Green gold ornaments.

No. 6230 . . . . . $3.50
Real pink shell cameo.
English finish mounting.
Green gold ornaments.

No. 6231 . . . . . $2.50
Real pink shell cameo.
English finish mounting.
Green gold ornaments.

No. 6232 . . . . . $2.50
Real pink shell cameo.
English finish mounting.
Green gold ornaments.

No. 6233 . . . . . $2.35
English finish.
Hand chased.
Green gold leaves.
Imitation aquamarine.

No. 6234 . . . . . $2.25
English finish.
Hand chased.
Green gold circle.
One imitation sapphire.

No. 6235 . . . . . $2.25
One fine pink stone.
Matted green gold leaves.
English finish.

No. 6236 . . . . . $2.25
Roman finish. E. T.
Hand engraved.
Bright cut.
Gold front.

No. 6237 . . . . . $2.15
English finish.
Roman flower.
One real pearl,
one imitation sapphire.

No. 6238 . . . . . $1.90
Polished.
Green gold leaves.
Ruby doublet.

No. 6239 . . . . . $1.90
Imitation ruby.
Hand engraved.
Polished green gold finish.

No. 6240 . . . . . $1.90
Gold filled. English finish.
Green gold leaves.
Six white stone brilliants.
One imitation ruby.

No. 6241 . . . . . $1.90
Imitation ruby.
French pearls.
Hand engraved.
Polished green gold finish.

No. 6242 . . . . . $1.75
Roman finish. Bright
edges. Blue enameled
flowers. Brilliants and
French pearls.

No. 6243 . . . . . $1.75
Imitation ruby.
Green gold leaves.
English finish.

No. 6244 . . . . . $1.75
Polished and chased.
Matted green gold leaves.
Imitation aquamarine.

No. 6245 . . . . . $1.75
Polished and chased.
Matted green gold leaves.
Fine imitation amethyst.

No. 6246 . . . . . $1.75
Polished green gold
leaves.
Imitation ruby.

No. 6247 . . . . . $1.75
Polished green gold
flower and leaf.
Ruby doublet.

No. 6248 . . . . . $1.50
Polished.
Ruby doublet center.

No. 6249 . . . . . $1.50
Gold filled. English
finish. Chased. Green
gold center ornament.
One imitation emerald.

No. 6250 . . . . . $1.50
Pink sapphire.
Engraved white gold
front.

No. 6251 . . . . . $1.25
Roman finish.
Fine white stone
brilliants.

No. 6252 . . . . . $1.25
English finish.
Green gold leaves.
One imitation pink
sapphire.

PLUMB BOBS

Nos. 1, 1¼, 1½ Cast Iron Japanned

No.	Diam.	Weight	Packed	Weight	Per Doz.
1	1½ in.	9 ozs.	1 doz.	6¾ lbs.	$1.35
1¼	1¾ in.	18 ozs.	½ doz.	6¾ lbs.	2.55
1½	2 in.	24 ozs.	½ doz.	9½ lbs.	3.40

No. 16

Nickel plated cold rolled hexagon steel. Sharpened and hardened points. 8 ozs. each.

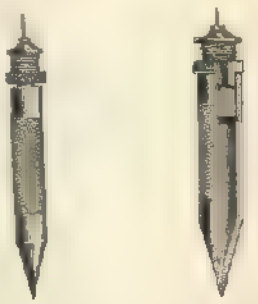
Packed, ½ doz., weight 3 lbs. .....per dozen, $8.00

Nos. 539, 540, 541

Nickel plated, knurled brass body, filled with heavy metal. Polished, tempered steel point. 6 feet of laid twine with each bob.

Nos. 50, 80 and 120

Polished and centered, hexagonal, solid brass.



No. 87 No. 87

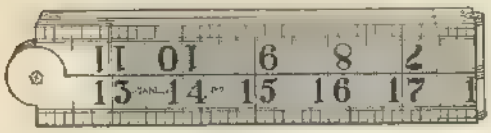
Exterior and interior views

Bored from solid steel, filled with mercury, nickel plated, hardened points. Patent bobbin, for braided silk line, with patent top for fastening.

No.	Weight	Size	Packed	Weight	Per Doz
539	8 ozs.		⅛ doz.	8 ozs.	$14.40
540	12 ozs.		⅛ doz.	13 ozs.	24.00
541	16 ozs.		⅛ doz.	18 ozs.	25.20
50	5 ozs.	¾x3 in.	½ doz.	2 lbs.	4.00
80	8 ozs.	⅞x3⅝ in.	½ doz.	3¼ lbs.	5.25
120	12 ozs.	1 x3¾ in.	½ doz.	4¼ lbs.	7.50
87	3½ ozs.	½x4 in.	⅛ doz.	4⅓ ozs.	21.60
87	6 ozs.	⅝x5 in.	⅛ doz.	7 ozs.	28.80
87	12 ozs.	⅞x5½ in.	⅛ doz.	14 ozs.	36.00

ALBANY HARDWARE & IRON CO.

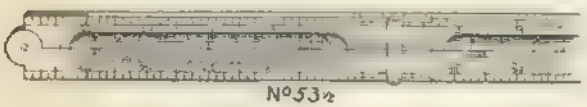
STANLEY BOXWOOD RULES



No. 7

Two feet. Square joint, edge plates, large figures, 8ths and 16ths inches. 1⅜ inches wide.

Packed, ½ doz., weight 1 lb. .....per doz., **$13.20**



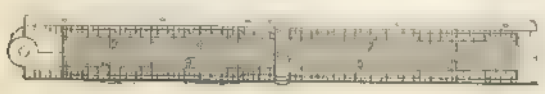
Two feet. Arch joint, edge plates, drafting scales 8ths, 10ths, 12ths and 16ths inches. Inside edges beveled. 1 inch wide.

Packed, ½ doz., weight ¾ lb. ....per doz., **$9.60**

No. 61

Two feet. Square joint, middle plates, 8ths and 16ths inches. 1 inch wide

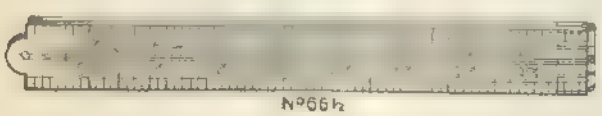
Packed, ½ doz., weight ¾ lb. .. ..per doz., **$3.60**



No. 65½

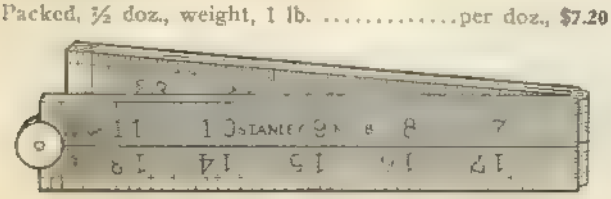
One foot. Square joint, full bound, 8ths and 16ths inches. ⅝ inch wide.

Packed, ½ doz. weight ½ lb . .per doz., **$6.60**



Three feet, four fold. Arch joint, middle plates, 8ths and 16ths inches. 1 inch wide.

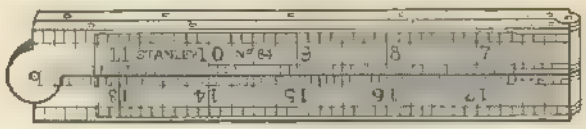
Packed, ½ doz., weight, 1 lb. .....per doz., **$7.20**



No. 68

Two feet. Round joint, middle plates, 8ths and 16ths inches. 1 inch wide. No. 68A has larger numerals.

No.	Packed	Weight	Per Doz.
68	1 doz.	1¼ lbs.	**$3.00**
68A	1 doz.	1¼ lbs.	**3.00**



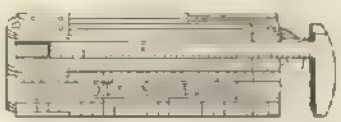
Nos. 84 and 62

No. 84, two feet. Square joint, half bound, drafting scales 8ths, 10ths, 12ths and 16ths inches. 1 inch wide.

No. 62, two feet. Square joint, full bound, drafting scales 8ths, 10ths, 12ths, and 16ths inches. 1 inch wide.

No.	Packed	Weight	Per Doz.
84	½ doz.	1 lb.	**$7.80**
62	½ doz.	1⅝ lbs.	**9.60**

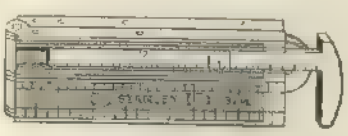
CALIPER RULES



No. 32

One foot. Arch joint, edge plates, 8ths, 10ths, 12ths and 16ths inches. 1 inch wide

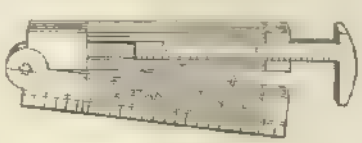
Packed, ½ doz., weight ⅝ lb .....per doz., **$8.40**



No. 32½

One foot. Arch joint, full bound, 8ths, 10ths, 12ths and 16ths inches. 1 inch wide.

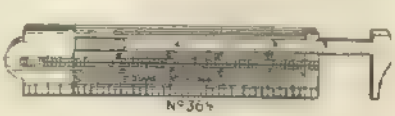
Packed, ½ doz., weight ¾ lb. .....per doz., **$12.00**



No. 36

Six inch. Square joint, 8ths, 10ths, 12ths and 16ths inches. ⅜ inch wide.

Packed, ½ doz., weight ⅜ lb. ..... per doz., **$5.40**



One foot. Square joint, 8ths, 10ths, 12ths and 16ths inches. 1⅜ inches wide.

Packed, ½ doz., weight ⅞ lb. .....per doz., **$7.80**

TOILET PAPER—Crepe and Tissue

CREPE TOILET PAPER—Perforated Rolls

In heavy demand due to its soft texture and large bulky rolls.

"Rex"—4½c roll, white crepe paper, perforated sheets, 4¼x5, blue and white label.
S2863—100 in case. 32 lbs.
Case, **$2.25**

"Fawn"—Guaranteed 4 oz. roll, sheets 4½x5, good quality crepe stock, attractive label, in case.
S2864—100 in case. 32 lbs.
Case, **$2.75**

Red Flag—Sheets 4½x5, guaranteed 4 oz. roll, good quality crepe stock, in case.
S2865—100 rolls in case. 32 lbs.
Case, **$3.10**

"Rainbo"—Guaranteed 6 oz. roll, sheets 4½x5, good quality crepe stock, attractive label, in case.
S2839—100 rolls in case. 45 lbs.
Case, **$3.75**

"Meadow"—Guaranteed 4 oz. roll, sheets 4½x5, fine quality crepe stock, attractive label, in case.
S2841—100 rolls in case. 32 lbs.
Case, **$4.75**

Spider Web—Guaranteed 6½ oz. roll, sheets 4½x5, fine quality crepe stock, attractive label, in case.
S2842—100 rolls in case. 45 lbs.
Case, **$5.75**

"National"—Guaranteed 650 sheet 4 oz. roll, excellent quality crepe stock, attractive label, in case.
S2839—100 in case. 00 lbs.
Case, **$6.25**

PLAIN TISSUE TOILET PAPER
Perforated Rolls

Gloria—1 ply sheet count, 4½x5 in., well perforated, in quality soft white crepe, fully guaranteed, in case.
S2840—100 rolls in case, 65 lbs.
Case, **$6.50**

"Triumph" Plain Tissue Toilet Paper

Guaranteed 1,000 sheets excellent grade soft tissue

S3632—Guaranteed 1,000 sheets, 4½x5, excellent grade soft crepe tissue, red and gold label, 100 in case, 9 lbs. **$6.85**

CREPE PAPER TOWELING

S2859—Heavy white crepe stock, 150 towels in roll, perforated, 11x15 in., 50 rolls in case, 30 lbs.
Case, **$7.50**

"COTTAGE" TOILET PAPER ROLL HOLDER

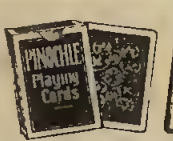
S3649—Nickel steel coils, round oak composing stick, oak roller 4 dec. in box, 4 lbs. **$1.08**

PLAYING CARDS—Well Known Brands

STANDARD PLAYING CARD CO'S CARDS

Uncle Sam—Good quality, fine finish, white enameled surface, assorted backs, original back design, cards red and blue backs. Assrd 1 doz. in box.
S2995—Poker or regular deck.
S2995—Pinochle deck (48 cards, 9's up). Doz. **$2.25**

"Steamboat"—Assrd. latest popular backs.
S2996—Assrd 1 doz. in box. Doz. **$2.60**



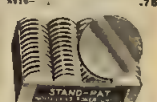
"Pinochle—(48 cards), assrd red and blue backs, enameled surface.
S15—Assrd 1 doz in box. Doz. **$3.50**

U. S. PLAYING CARD COMPANY'S PLAYING CARDS

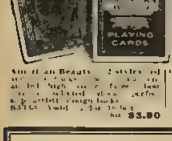
"Congress"—Air cushion finish, round corners, assrd, enameled latest design picture backs. Assrd 1½ doz. packs in carton.
S2966—Regular size.
S2966W—Whist or French size. Doz. **$6.50**

POKER CHIPS

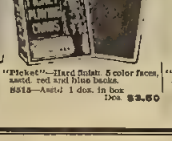
Yankee"—Ivorine," plain good quality composition, good colors, all white, 25 red and 25 blue in partitioned box. Assrd. 100 in box.
S915—1¼ in. Per 100 **$0.60**
S916—1½ in. " **.75**



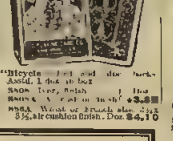
S924—"Stand Pat" poker, heavy paper, fine white, size 2½ blue in partitioned box. Assrd 100 in box. Per 100 **$3.50**



American Beauty—2 styles red and blue, high grade, fine finish, enameled surface, assrted design backs. Assrd 1 doz. in box. **$3.80**

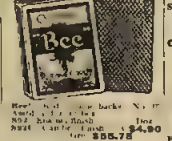


"Picket"—Hard finish 5 color faces, assrd. red and blue backs.
S515—Assrd 1 doz. in box Doz. **$3.50**



"Bicycle—Hard and fine finish, assrd 1 doz. in box
S808—Ivory finish. Doz.
S808½—Wood or Brush finish, 2½x3½, air cushion finish. Doz. **$4.10**

NEW YORK CONSOLIDATED CARD COMPANY'S CARDS



Bee—Hard finish, fine backs. Assrd 1 doz. in box.
S824—Cards Enamel. Doz. **$4.90**
S826—Cards Enamel. Doz. **$5.75**

CELLULOID AND BONE DICE

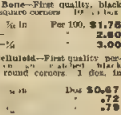
French Bone—First quality, black spots, square corners. 1 doz. in box.
S3216—⅜ in. Per 100, **$1.75**
S3218—½ " **2.80**
S3219—¾ " **3.00**

White Celluloid—First quality, perfectly square, black spots, round corners. 1 doz. in box.
S2199—⅜ in. Doz **$0.67**
S2201—½ " **.75**
S2192—¾ " **.79**

TALLY CARDS

S3[illegible] Tally Cards, 2 sets in box, 2 doz. in box. **80c**

S3[illegible] Tally Cards, 2 sets in box, 2 doz. in box. **$2.85**



Transparent Celluloid Dice, white spots, round corners.
S2195—⅜ in. Per 100 **$6.50**
S2197—½ " " **8.50**

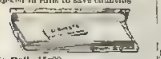
"Judge" Playing Cards

High grade enameled cards at "Steamboat" prices.

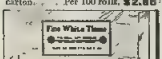
S97—"Judge" Playing Cards, 2 sets in box, 2 doz. in box. Doz. **$2.60**

WHITE TISSUE PAPER

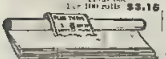
Sterne white Fourdrinier tissue packed in rolls to save charges



Ge Roll—15x20
S3869 20 sheets wrapped, in roll, 25 rolls in box. Roll 3c
(Total 75c)
4 boxes (200 rolls) in shipping carton. . . . Per 100 rolls, $2.85

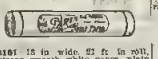


S3865—5c roll 6 sheets 20x30 in rol. 25 rolls in box. Roll 3½c
Total 87½c
Per 100 rolls $3.15



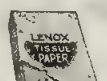
10c Roll 20x30 17 sheets wrapped S3841 Per roll in box of 25 rolls. Roll 6c
Total $1.50
Lots of 100 rolls. Per 100, $5.75

"PARIS" SHELF AND LINING PAPER



S3161 18 in wide, 27 ft in roll, strong smooth white paper, plain edges 1 doz. rolls in box. Doz rolls, 72c

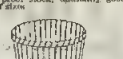
"LENOX" TISSUE PAPER IN SHEETS



Size 20x30 in good quality tissue folded sheets 1 ream (480 sheets) in pkg.
S3600 White Ream $1.30
S3601—Asstd colors Ream, $2.10

WHITE PAPER NUT CUPS

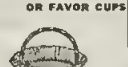
Waterproof stock, unusually good range of sizes



Plain white, fluted sides, flanged rim made of waterproof stock standard sizes. 100 in box.

S45	1½ in diam	Box. $0.54
S47	1¾ " "	.60
S48	2 " "	.68
S50	2½ " "	.72

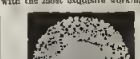
DECORATED NUT OR FAVOR CUPS



S90—1¾ in paper nut cup silk lined crepe covering fancy gauffle ruffle asstd color combinations, pink and white, lemon and white, red and white cordeil crepe handle. Asstd 2 doz in box. . . . Doz. 35c
(Total $1.05)

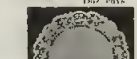
"MILAPACO" PAPER DOILIES

Popular styles selected from the best selling line in America. Made with the most exquisite workmanship from high grade paper stock



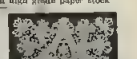
Wide Tulip Border—Round linen effect corner, big selling tulip design border 1 doz envs in box

S1835	5 in	36 in env	
S1938	6 "	36 "	
S1847	7 "	36 "	
		Doz envs	72c



Lace Edge—Round, linen effect center, dainty lace design border 1 doz envelopes in box

S1836	5 in	40 in env	
S1931	6 "	36 "	
S1937	8 "	36 "	
S1933	10 "	12 "	
S1934	14 "	8 "	
		Doz. envs.	72c



Allover Lace—Square, facsimile genuine old lace 1 doz envs in box

S1941	8 in	16 in env	
S1942	10 "	8 "	
S1815	12 "	8 "	
		Doz envs	75c

Blue Bird Design Square, allover lace, blue bird medallions 1 doz. envs in box

S1944	10 in	8 in env	
S1948	12 "	8 "	
		Doz. envs.	75c

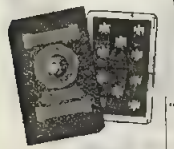
WHEN YOU WANT GOODS QUICK—ORDER FROM BUTLER BROTHERS

PLAYING CARDS

STANDARD PLAYING CARD CO'S CARDS

"Uncle Sam"—Good quality cards made by one of the best known manufacturers, enameled surface, easy to deal, handsome marginal back design, asstd red and blue backs Asstd 1 doz. in box

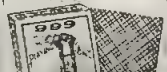
S985 Poker or regular deck
S1995—Pinochle deck (48 cards, 9's up) . . . . . Doz $2.25



"Auction Bridge" French white stock, 2½x3½ in fine quality linen finish, slip cut edges, asstd red and blue backs with neat design set, open telescope box

S903 Asstd 1 doz in carton Doz $5.75

U. S. PLAYING CARD COMPANY'S PLAYING CARDS



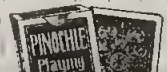
"Steamboat"—Asstd latest popular backs

S899—Asstd 1 doz. in box Doz $2.80

"Picket"—Hard finish, 5 color faces, asstd. red and blue backs

S515—Asstd 1 doz. in box Doz $3.50

PRICE TICKETS SELL GOODS



Pinochle—(48 cards) asstd. red and blue backs, enameled surface.

S15 Asstd 1 doz in box Doz $3.60

"Bicycle" Red and blue backs Asstd 1 doz in box

S808	Ivory finish	Doz.
S808A	Air cushion finish	$4.10
S86A	White or French size	2.15
S15	Air cushion finish	Doz $4.10

"Congress"—Air cushion finish gilt edge assrd enameled latest design picture backs. Asstd. styles packs in carton

S805—Regular size.
S806W—White or French size. Doz $5.50

NEW YORK CONSOLIDATED CARD COMPANY'S CARDS

"Bee"—Red or blue backs. No. 97 Assrd. 1 doz in box

S82	Enamel finish	Doz.
S82C	Leather finish	4.80
	Per	$86.75

POKER CHIPS

"Yankee" Per set 150 in good quality composition good colors 50 white, 25 red and 25 blue in partitioned box Assrd 100 in box

S918	1 in	Per 100.	$0.60
S916	1½ "	"	.75

S925 "Eagle," 1½ in., strong wood chips, carried Eagle design, assrd light colors 50 white 25 red and 25 blue in partitioned box. Assrd 100 in box. . . . . Per 100, $0.60

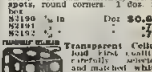
CELLULOID AND BONE DICE

French Bone Fine quality black spots, square corners, ⅝ in. Per 100, $1.75

S3218	¾ in	"	2.50
S3219	⅞ "	"	3.00

White Celluloid—Fine quality, perfectly cut and rounded, black spots, round corners 1 doz. in box

S2190	⅝ in	Doz	$0.67
S2191	¾ "	"	.75
S2192	⅞ "	"	.75

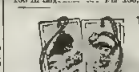


Transparent Celluloid Dice, carefully selected and matched white spots, round corners, set of 5 in box, 1 1/4 x 1 1/4 wrapped, ½ dz. sets in carton,

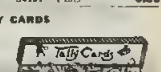
S2D—

S2193	¾ in	Doz sets.	$0.50
GREEN			
S2197	⅞ in	"	0.50

TALLY CARDS



S2580 6 subjects, 4½ x 2½ Bridge or 500 scores printed on back girl heads (some with juveniles half tones) Assrd 100 in box Doz 89c



S2597 24 subjects lavish aprs girl heads, bonbon etc., in colors and sepia half tones Assrd 300 in display cabinet Assrd $2.65

"Judge" Playing Cards

High grade enameled cards at "Steamboat" prices

S97 "Judge" fine quality assrted surfaces, new and attractive marginal back design, assrd red and blue backs. Assrd 1 doz in box Doz **$2.90**

"Stand-Pat" Noiseless Poker Chips

3 colors in partitioned box. Excellent value that pays you a good profit.

S974 1 in. noiseless paper, 50 white, 25 red and 25 blue in partitioned box. Assrd 150 in box Per 100, **63c**

ELECTRIC FANS

EMERSON

NON-OSCILLATING; Alternating Current

This is a 9 inch 4-Blade Fan, Having Parker Blades of Steel, Mat Brass Finish, the Same as the Finish Applied to the Larger Emerson Fan Blades. This Fan is Adjustable to the Bracket Position for Wall Mounting; Has Double Ring Steel Welded Guard; Finish Over Motor Body and Base is Black Enamel. This is a Single Speed Fan, Without Switch in Base, but Has the ½ inch Hollow Hardened Steel Shaft, Same as Other Emerson Fans; Complete With Cord and Seperable Plug Weight Each, Packed, 16 lbs.

No. Emerson Junior—110 Volts, 60 Cycle

In Lots of...	1 to 9	10 to 24	25 to 99	100 to 199	200 or More
Each.....	$10 50	10.50	10.50	10 50	10 50
	15.95	**15.10**	**14.75**	**14.40**	**14.00**

NORTHWIND

OSCILLATING

Designed to Operate on 100 to 120 Volts Alternating or Direct Current Operates Without the Objectionable Noise and Vibrations Which Characterize the Smaller Electric Fans.

Four Blades, 10 inches in Diameter Heavy Double Ring, Welded Guard With Front Wires.

Three Speed, With Starting Switch in Motor Base, Four Base Rubbers to Protect Polished Surfaces; Steel Shaft ¼ inch in Diameter; Bronze Bearings With Wick-Filled Oil Wells, ⅛ inch Square Carbon Brushes, Light Brass Mat Finish Over Motor, Base, Blade and Guard; Complete With Plug and Cord.

Approximate Weight, Each, 9 lbs ; Packed, 18 lbs.

No. NWO110

In Lots of.....	1 to 11	12 to 35	36 to 71	72 or More
Each.....	$18.50	18.50	18 50	18 50
	28 70	**27.75**	**26.40**	**25.00**

One in a Box

32 VOLT DIRECT CURRENT

No. NWO32

In Lots of.....	1 to 11	12 to 35	36 to 71	72 or More
Each.....	$18 50	18.50	18 50	18.50
	28 70	**27.75**	**26.40**	**25.00**

One in a Box

STATIONARY

Four Blades, 8 inches in Diameter, Heavy Double Ring, Welded Guard With Front Wires. Two Speeds, With Starting Switch in Motor Base. Full Swivel-Trunnion Feature. Four Base Rubbers to Protect Polished Surfaces. Shaft, ⅜ inch Steel. Bronze Bearings With Wick-Filled Oil Wells. ⅛ inch Square Carbon Brushes; Light Brass Mat Finish Over Motor, Base, Blade and Guard. Complete With Plug and Cord. The Swivel Base Allows the Fan to be Turned as Desired and the Convertible Feature Permits Using it as a Bracket Fan Without Extra Parts. It is Light Enough for Anyone to Carry; It is a Satisfactory Electric Fan Within the Reach of Everyone.

Approximate Weight Each, 4 lbs.

No. NW110

In Lots of	1 to 11	12 to 35	36 to 71	72 or More
Each.....	$8.00	8.00	8.00	8 00
	12 40	**12.00**	**11.35**	**10.80**

Twelve in a Case

ELECTRIC FANS

POLAR CUB

COMBINATION WALL AND INDIVIDUAL DESK FAN

Operates on Either Direct or Alternating Current, 100 to 115 Volts; 25 to 60 Cycle. Single Speed; No Controlling Switch. Can be Regulated by Attaching a Dim-A-Lite or Similar Socket.

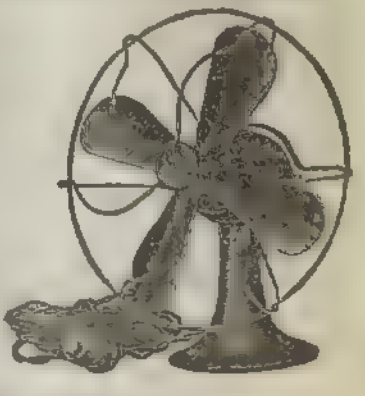
Black Japanned Cast Iron Base; Black Drawn Steel Motor Casing; Bronze Bearings Welded to Motor Casing. Both Front and Back Bearing Drilled for Oil Wick. Needs Very Little Oil. Slot in Base Enables User to Hang on Wall.

Height Over All, 8 inches
Equipped With Plug and Cord
Weight Each, Packed 5 lbs.
Retails at $5.00 Each

No. PC6

	Per Dozen
Less than Dozen Lots.....	$90 00
6 Dozen Lots.....	84 00
Gross Lots.....	82 80
2 to 10 Gross Lots.....	78 00

One in Package; One Dozen in Carton



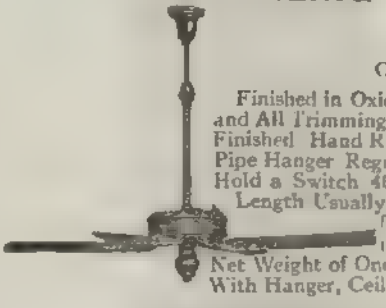
Height Over All, 9½ inches;
Equipped With Plug and Cord
Weight Each, Packed, 6 lbs.
Retails at $8.50 Each

No. PC8

	Per Dozen
1 Dozen Lots.....	$126 00
6 Dozen Lots.....	124.80
Gross Lots.....	123.60
2 to 5 Gross Lots..	120 00

One in Package; One Dozen in Carton

CEILING FANS



EMERSON

ORNAMENTAL

Finished in Oxidized Copper Over Motor, Hanger and All Trimmings. The Four Blades are Mahogany Finished Hand Rubbed. The Emerson Adjustable Pipe Hanger Regularly Supplied is of 3 Lengths to Hold a Switch 40 to 60 Inches From Ceiling, the Length Usually Required for Ceiling, 10½ to 12 feet High. Three Speeds, Approximately 225, 180 and 140 R. P. M Net Weight of One Fan, About 65 lbs. Complete With Hanger, Ceiling Hook and Canopy.

FOR ALTERNATING CURRENT ONLY

Blades 56 inch Sweep

No. 46641

In Lots of..	1 to 9	10 to 24	25 to 99	100 to 199	200 or More
Each.....	$54 00	54.00	54 00	54.00	54 00
	83.10	**77.75**	**75 60**	**73.90**	**71.95**

Two in a Case

MOTOR TYPE

To Retail at $5 00 Each

Packed One Each in Stained Cardboard Box; Net Weight 3 Pound

VIBRATORS

POLAR CUB

Universal Motor—For Use on Either Direct or Alternating Current; 110 Volt, 60 Cycle Only.

One of the Very Best Selling Electrical Items on the Market

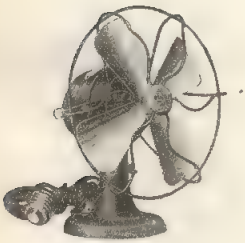
Black Rubber Enamel Shell Enclosing Vibrating Plunger; Diameter 2 inches, 2¼ inches Long; Has Gracefully Designed Handle 4 inches Long; Finished in Black. Furnished With 7½ feet of Black Twisted Cord With Two-Piece Plug, for Screw or Push Socket

No. PV5 Comes Complete With Applicators: Brush, Cup and Button.

	Per Dozen
Dozen Lots.....	$87 60
6 Dozen Lots.....	84 60
1 to 2 Gross Lots.....	81 60
3 to 5 Gross Lots.....	69.00

ELECTRIC FANS

Polar Cub



No. 6B

No. 8B

No. 8FI

Patented bronze bearings. Cast iron base. Standard Polar Cub Universal motor operates on 110 volts 60 cycle, alternating or direct current. Draws on an average of 22 to 25 watts. One speed. Equipped with cord and standard two-piece separable plug, ready to operate.

Nos. 6B and 8B

Motor casing, base and guard finished in rubber enamel black, electrically baked. Frosted brass finished blades. Equipped with black twisted lamp cord.

Specifications:

No.	Finish	Diam. blade	Diam. guard	Height over all	Wt. each	Each
6B	Black	6 in.	6½ in.	8 in.	2 lbs.	$3 95
8B	Black	8 in.	8½ in.	10 in.	3 lbs.	4 95

No. 8FI

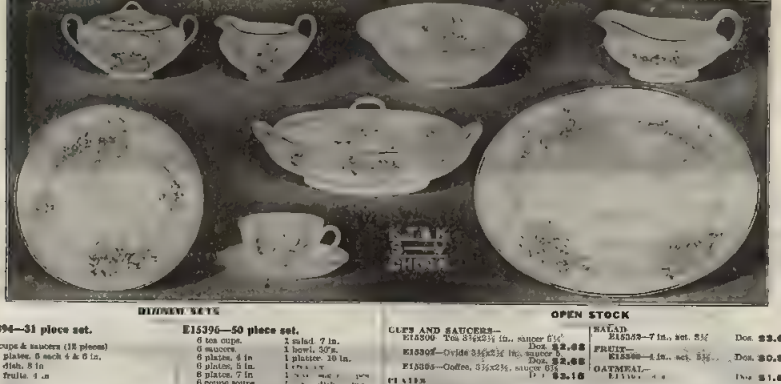
This number is finished in full ivory, making an excellent fan for boudoir and hospital use. Equipped with special Underwriter's cord.

No.	Finish	Diam. blade	Diam. guard	Height over all	Wt. each	Each
8FI	Full ivory	8 in.	8½ in.	10 in.	3 lbs.	$6 50

One in a corrugated container.

"BLUE BIRD" DINNERWARE

"E. T. & K." trademarked. Light wt. white semi-porcelain, fancy shape, delicately tinted blue bird, apple blossom and foliage sprays, gold edges, striped handles and knobs. **Open stock,** sold in any quantity. **No Package Charge.**



DINNER SETS

E15394—31 piece set.
6 cups & saucers (18 pieces)
12 plates, 6 each 4 & 6 in.
1 dish, 8 in
6 fruits, 4 in
Shipping wt. about 35 lbs.
SET (31 pcs.) **$3.45**

E15390—42 piece set.
6 tea cups, 1 bowl, 30's.
6 saucers, 1 platter, 8 in
6 plates, 6 in. 6 fruits, 4 in
6 plates, 8 in. 1 creamer
6 plates, 7 in. 1 covered sugar (2 pcs.)
1 baker, 7 in
Shipping wt. about 40 lbs.
SET (42 pcs.) **$5.75**

E15396—50 piece set.
6 tea cups, 1 salad, 7 in.
6 saucers, 1 bowl, 30's.
6 plates, 6 in 1 platter 10 in.
6 plates, 8 in. 1 creamer
6 plates, 7 in 1 [illegible]
6 coupe soups 1 dish, pcs
6 fruits.
Shipping wt. about 50 lbs
SET (50 pcs.) **$8.15**

E15393—100 piece set.
[illegible] 12 fruits, 4 in,
[illegible] 1 covd. sugar, (2 pcs.)
[illegible] 1 creamer
12 plates, 5 in. 1 butter dish (3 pcs.).
12 plates, 7 in. 1 casserole (2 pcs.)
12 coupe soups. 1 covd dish, 7 in.
1 baker, 7 in. (2 pcs.)
2 platters, 8 in 1 sauce boat (2 pcs.).
1 platter, 12 in 1 pickle dish.
Shipping wt. about 90 lbs
SET (100 pcs.) **$16.75**

OPEN STOCK

CUPS AND SAUCERS—
E18300—Tea 3¾x2⅜ in., saucer 6¼" Doz. **$2.08**
E18302—Ovide 3⅝x2¼ in., saucer 6" Doz. **$2.88**
E18305—Coffee, 3½x2½, saucer 6¼ Doz. **$2.16**

PLATES—
E18310—4 in., sct. Doz. **$1.20**
E18311—6 " " 1.65
E18312—8 " " 2.10
E18313—10 " " 2.80
E18314—[illegible] " "

E18315—Bread & Butter 6 in. Doz. **$2.40**
E18317—Coupe soup, 7 in., sct. 7½ Doz. **$2.10**

BAKER—
E18324—7 in. sct. 9 Doz. **$3.80**

BOWL—
E18331—5½ in. Doz. **$3.00**

PLATTERS—
E18340—8 in. sct. 11½ Doz. **$4.00**
E18341—10 " " 15½ " **6.75**
E18342—12 " " 19¼ " **9.00**

SALAD—
E18353—7 in., sct. 8¼ Doz. **$3.60**

FRUIT—
E18360—4 in., sct. 5½ Doz. **$0.80**

OATMEAL—
E18366—6 in. Doz. **$1.68**

CREAMER—
E18376—8½ Doz. **$3.60**

COVERED SUGAR—
E18377—3½ Doz. **$7.20**

COVERED BUTTER—With drainer
E18378—[illegible] Doz. **$11.00**

INDIVIDUAL BUTTER—
E18380—[illegible] Doz. **$0.60**

COVERED DISH—Oval
E18390—[illegible] Doz. **$12.75**

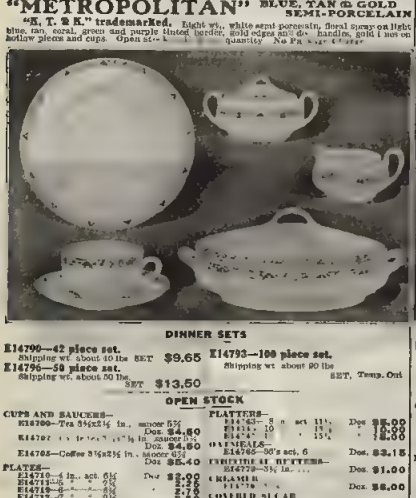
CASSEROLE—8 in.
E18391—[illegible] Doz. **$16.00**

SAUCE BOAT—Without stand.
E18395—7x3½ in. Doz. **$4.95**

PICKLE DISH—
E18396—8½x3½ in. Doz. **$3.60**

"METROPOLITAN" BLUE, TAN & GOLD SEMI-PORCELAIN

"E. T. & K." trademarked. Light wt., white semi-porcelain, floral spray on light blue, tan, coral, green and purple tinted border, gold edges and [illegible] handles, gold lines on hollow pieces and cups. Open stock in any quantity. No Package Charge.



DINNER SETS

E14790—42 piece set.
Shipping wt. about 40 lbs. SET **$9.65**

E14795—50 piece set.
Shipping wt. about 50 lbs. SET **$13.50**

E14793—100 piece set.
Shipping wt. about 90 lbs. SET, Temp. Out

OPEN STOCK

CUPS AND SAUCERS—
E14700—Tea 3¼x2⅛ in., saucer 6" Doz. **$4.80**
E14702—Ovide 3⅝x2¼ in., saucer 6" Doz. **$4.80**
E14705—Coffee 3½x2¾ in., saucer 6¼ Doz. **$5.40**

PLATES—
E14710—4 in., sct. 6¼ Doz. **$2.00**
E14711—6 " " 2.26
E14712—8 " " 3.60
E14713—7 " " 2.76
E14714—4 " " 1.76
E14717—Coupe soup, 7 in., sct. 7½ Doz. **$3.80**

BAKER—
E14734—7 in., sct. 9½ Doz. **$6.00**

BOWL—
E14731 30's. Doz. **$5.00**

SALAD—
E14753—7 in., sct. 8¼ Doz. **$6.00**

FRUIT—
E14760—4 in., sct. 5¼ Doz. **$1.80**

PLATTERS—
E14765—8 in. sct. 11½ Doz. **$5.00**
E14766—10 " " 15½ " **10.00**
E14767—12 " " 19½ " **14.00**

OATMEALS—
E14786—30's sct, 6 Doz. **$3.15**

INDIVIDUAL BUTTERS—
E14779—3½, in. Doz. **$1.00**

CREAMER—
E14778—3½ Doz. **$6.00**

COVERED SUGAR—
E14777—3½ Doz. **$12.00**

COVERED BUTTER—With drainer
E14780—7 in. Doz. **$18.00**

COVERED DISH—Oval
E14786—7 in. Doz. **$21.00**

CASSEROLE—Round
E14787—7 in. Doz. **$24.00**

SAUCE BOAT—Without stand
E14795—7x3½ in. Doz. **$16.00**

PICKLE DISH—
E14796—8½x3½ in. Doz. **$6.00**

"NEW LOUVRE" FANCY PURE WHITE NEAR CHINA

Pope-Gosser trademarked [illegible] white semi-porcelain, [illegible] Open stock in any quantity. No Package Charge.

DINNER SETS

E11190—42 piece set.
Shipping wt. about 40 lbs.
SET, **$5.50**

E11196—50 piece set.
Shipping wt. about 50 lbs
SET, **$7.85**

E11193—100 piece set.
Shipping wt. about 90 lbs
SET, **$15.85**

OPEN STOCK

CUPS AND SAUCERS—
E11198—Louvre 4oz., 3¾x3⅛, saucer 6¼ Doz. **$2.40**
E11202—Ovide 3⅝x2¾, saucer 6¼ Doz. **$2.40**
E11205—Coffee, 3½x2¾ in., saucer 6¼ in. Doz. **$2.95**

PLATES—
E11210—4 in., sct. 6 Doz. **$1.10**
E11211—6 " " 1.45
E11212—8 " " 1.90
E11213—7 " " 1.55
E11214—4 " " 1.25

COUPE SOUPS—
E11217—7 in., sct. 8 Doz. **$1.95**

BAKERS—
E11224—7 in. sct. 9½x5½ Doz. **$3.20**

PLATTERS—
E11242—8 in., sct. 11¼x7¼ Doz. **$3.75**
E11243—10 " " 12¾x8¼ " **5.50**
E11247—12 " " 14¾x9¾ " **9.75**

BAKER—
E11226—7 in., sct. 8½x5½ Doz. **$3.20**
E11183—5 " " 6x3 " **1.90**

FRUIT DISHES—
E11166—4 in., sct. 5 Doz. **$4c**

OATMEALS—
E11160—30's, sct. 6½ Doz. **$1.95**

CREAMERS—
E11176—30's, sct. 4½ Doz. **$4.15**

BOWLS—
E11131 -30's Doz. **$2.75**

COVERED SUGARS—
E11177—30's in. 4¾ Doz. **$7.80**

COVERED BUTTER—With Drainer
E11178—[illegible] in. Doz. **$10.00**

INDV. BUTTER—Sales or celery dips
E11179 3½ Doz. **55c**

COVERED DISH—
E11180—8 in., sct. 10x7¼ Doz. **$13.50**

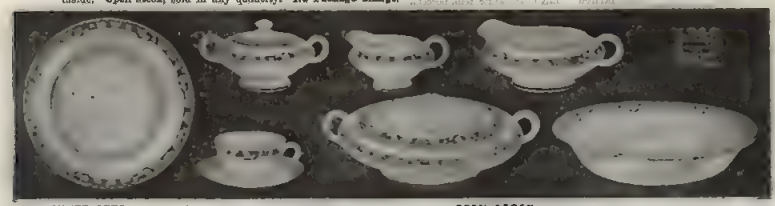
COVERED CASSEROLES—
E11185—7 in., sct. 8½ Doz. **$13.50**

SAUCE BOAT—Without stand.
E11195—[illegible] in. Doz. **$4.60**

PICKLE DISHES—
E11196—8½x3½ Doz. **$3.30**

"VICTORY" "H I R H" trademarked.

rose clusters on canary band, gold edges, gold striped handles, base and knobs, cups with gold hairline inside. Open stock, gold in any quantity. No Package Charge.



DINNER SETS

E15590—42 piece set.
Shipping wt. about 90 lbs. SET. **$9.85**

E15594—50 piece set.
Shipping wt. about 90 lbs. SET **$13.50**

E15593—100 piece set.
Shipping wt. about 90 lbs. SET **$28.15**

For composition of sets see bottom of page.

OPEN STOCK

CUPS AND SAUCERS—
E15590—Tea, 3½x2 in., saucer 5½ ..... Doz. **$4.65**
E15593—Coffee, 2½ in., saucer 5½ ..... Doz. **$5.25**

PLATES
E15591—6 in. **$2.00**
E15592—7 in. **2.75**
E15612—8 in. **3.75**
E15613—9 in. **4.50**
E15614—10 in. **6.25**
E15593—Soup, coupe, 9 in. ..... Doz. **$3.50**

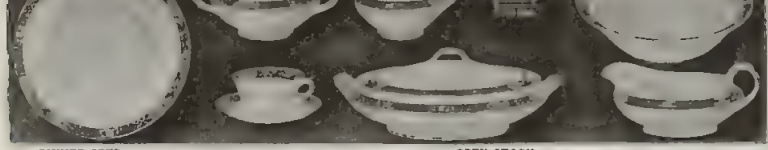
BAKER—
E15724—7 in., oval ..... Doz. **$6.00**

BOWL—
E15591—10½ in. ..... Doz. **$6.00**
PLATTERS
E15592—11 in. ..... Doz. **$6.00**
E15593—13 in. **10.00**
E15594—15 in. **16.00**
SALAD
E15595—7 in., oct. 8½ ..... Doz. **$6.00**
FRUIT—
E15596—4 in., oct. 5½ ..... Doz. **$1.50**
OATMEAL—
E15597—6 in., oct. 6½ ..... Doz. **$3.15**
CREAMER—
E15578—10½ oz. ..... Doz. **$6.00**

COVERED SUGAR
E15577—10½ oz. ..... Doz. **$12.00**
COVERED BUTTER—With drainer
E15578—8½ in. ..... Doz. **$18.00**
INDIVIDUAL BUTTER
E15579—3 in. ..... Doz. **$1.00**
COVERED DISH
E15580—10 inch ..... Doz. **$21.00**
CASSEROLE—Round
E15581—7 in. ..... Doz. **$24.00**
SAUCE BOAT—Attached stand
E15582—8½ in. ..... Doz. **$18.00**
PICKLE DISH
E15583—8½ in. ..... Doz. **$6.00**

"POWHATAN" "H I R H" trademarked

panels, rosebuds and green & blue inlaid motifs between tan edges, all pieces with gold edges, nudles and knobs, cups and covered dishes with gold base line. Open stock, sold in any quantity. No Package Charge.



DINNER SETS

E15190—42 piece set.
Shipping wt. about 90 lbs. SET **$9.95**

E15196—50 piece set.
Shipping wt. about 90 lbs. SET. **$13.85**

E15193—100 piece set.
Shipping wt. about 90 lbs. SET Terms Cut.

For composition of sets see bottom of page.

OPEN STOCK

CUP AND SAUCER—
E15190—Tea, 3½x2 in., saucer 5½ ..... Doz. **$4.95**

PLATES
E15191—6 in. **$2.00**
E15110—4 in., oct. 6½ ..... Doz. **$2.00**
E15111—5 " " 7½ **2.25**
E15112—6 " " 8½ **2.75**
E15113—7 " " 9½ **3.50**
E15114—8 " " 10½ **4.25**
E15115—Soup, coupe, 9 in. ..... Doz. **$3.50**

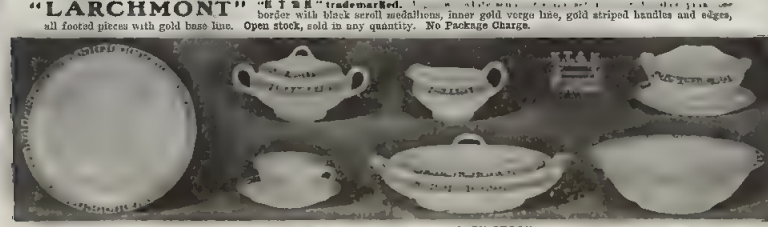
BAKER—
E15124—7 in., oct. 9½x7½ ..... Doz. **$6.00**

BOWL—
E15192—9½ in. ..... Doz. **$6.00**
PLATTERS
E15193—11 in. ..... Doz. **$6.00**
E15194—13 in. **10.00**
E15147—15 " **15.00**
SALAD
E15152—7 in., oct. 8½ ..... Doz. **$6.00**
FRUIT
E15196—4 in., oct. 6½ ..... Doz. **$1.50**
CREAMER—
E15176—10½ oz. ..... Doz. **$6.00**

COVERED SUGAR—
E15177—10½ oz. ..... Doz. **$12.00**
COVERED BUTTER—With drainer
E15178—8½ in. ..... Doz. **$18.00**
INDIVIDUAL BUTTER
E15179—3 in. ..... Doz. **$1.00**
COVERED DISH
E15180—10 inch ..... Doz. **$21.00**
CASSEROLE—Round
E15181—7 in. ..... Doz. **$24.00**
SAUCE BOAT—Attached stand
E15182—8½ in. ..... Doz. **$6.00**
PICKLE DISH—
E15183—8x3½ in. ..... Doz. **$6.00**

"LARCHMONT" "H I R H" trademarked.

border with black scroll medallions, inner gold verge line, gold striped handles and edges, all footed pieces with gold base line. Open stock, sold in any quantity. No Package Charge.



DINNER SETS

E15090—42 piece set.
Shipping wt. about 90 lbs. SET **$9.95**

E15096—50 piece set.
Shipping wt. about 90 lbs. SET **$13.85**

E15093—100 piece set.
Shipping wt. about 90 lbs. SET **$28.50**

For composition of sets see bottom of page.

OPEN STOCK

CUP AND SAUCER— Doz.
E15090—Tea, 3½x2 in., saucer 5½ **$4.95**
E15093—Coffee, 2½ in., saucer 5½ **$5.65**

PLATES
E15094—6 in. **$2.00**
E15611—7 in. **2.25**
E15612—8 " **2.75**
E15613—9 " **3.50**
E15614—10 " **4.25**
E15615—Soup, coupe, 9 in. **$3.50**

BAKER—
E15624—7 in., oct. 9½x7½ ..... Doz. **$5.00**

BOWL—
E15631—10½ in. ..... Doz. **$5.00**
PLATTERS
E15632—11 in. ..... Doz. **$5.00**
E15633—13 in. **10.00**
E15634—15 in. **16.00**
SALAD
E15635—7 in., oct. 8½ ..... Doz. **$6.00**
OATMEAL—
E15636—10½ in., oct. 6 in. ..... Doz. **$3.15**
FRUIT
E15666—4 in., oct. 5½ ..... Doz. **$1.50**
CREAMER—
E15677—10½ oz. 3½ in. high ..... Doz. **$12.00**

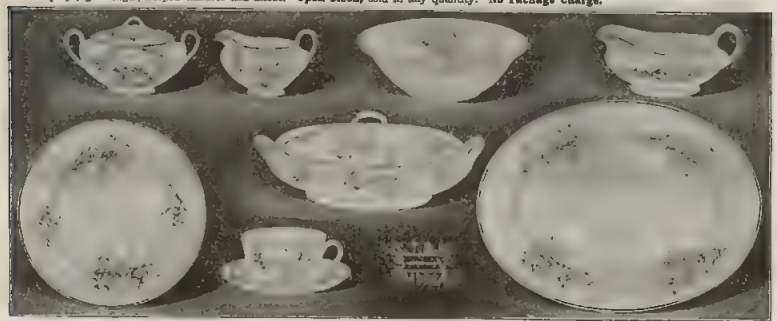
COVERED BUTTER—With drainer
E15678—8½ in. ..... Doz. **$18.00**
INDIVIDUAL BUTTER
E15679—3 in. ..... Doz. **$1.00**
COVERED DISH
E15680—10 inch ..... Doz. **$21.00**
CASSEROLE—Round
E15681—7 in. ..... Doz. **$24.00**
SAUCE BOAT—Attached stand
E15682—8½ in. ..... Doz. **$18.00**
PICKLE DISH
E15683—8x3½ in. ..... Doz. **$6.00**

Composition of Our Dinner Sets

42 Piece Set	50 Piece Set	100 Piece Set
1 bowl 10½ in.	1 sugar, cover	1 sugar, cover
6 saucers	1 bowl 10½ in.	1 platter 13 in.
6 plates, 6 in.	6 saucers	12 saucers
6 plates, 7 in.	6 fruits, 4 in.	12 plates, 6 in.
6 plates, 8 in.	1 dish, 10 in.	1 platter, 12 in.
6 plates, 9 in.	1 creamer	12 fruits, 4 in.
6 soups, coupe	6 plates, 6 in.	12 plates, 7 in.
6 fruits, 4 in.	1 cover, dish (5 pcs.)	1 cover, sugar (3 pcs.)
1 baker, 7 in.	6 soups, coupe	1 creamer
		1 butter dish, 1 pc.
		1 covered dish, 2 pcs.
		1 casserole, 2 pcs.
		1 sauce boat, 2 pcs.
		1 pickle dish

"BLUE BIRD" DINNERWARE

"H. T. & K." trademarked. Light wt white semi-porcelain, fancy shape, delicately tinted blue bird, apple blossom and foliage sprays, gold edges, striped handles and knobs. **Open stock,** sold in any quantity. **No Package Charge.**



DINNER SETS

E15394—31 piece set.

6 cups & saucers (12 pieces).
12 plates, 6 each 4 & 6 in.
1 dish, 8 in.
6 fruits 4 in.
Shipping wt. about 55 lbs.
SET (31 pcs.) **$3.45**

E15396—50 piece set.

8 tea cups.
8 saucers.
6 plates, 4 in.
9 plates, 6 in.
5 plates, 7 in.
6 coupe soups.
6 fruits.
Shipping wt. about 80 lbs.
1 salad, 7 in.
1 bowl, 8½ in.
1 platter, 10 in.
1 creamer.
1 covd. sugar (2 pcs.
1 covd. dish (2 pcs.)
SET (50 pcs.) **$8.15**

E15392—42 piece set.

8 tea cups.
8 saucers.
6 plates, 6 in.
6 plates, 7 in.
1 baker, 7 in.
Shipping wt. about 70 lbs.
1 bowl, 8½ in.
1 platter, 13 in.
1 creamer.
1 covered sugar (2 pcs.
SET (42 pcs.) **$5.75**

E15393—100 piece set.

12 tea cups.
12 saucers.
12 plates, 6 in.
12 plates, 7 in.
15 coupe soups.
1 baker, 7 in.
1 platter, 13 in.
1 platter, 15 in.
Shipping wt. about 90 lbs.
15 fruits, 4 in.
1 covd. sugar (2 pcs.
1 creamer.
1 [illegible] pcs.
1 casserole (2 pcs.
1 sauce boat (2 pcs.),
1 ice lip dish.
SET (100 pcs.) **$16.75**

OPEN STOCK

CUPS AND SAUCERS—
E15306—Tea 3½x2¾ in., saucer 5¼. Doz. **$2.68**
E15302—Ovide 3½x2¾ in., saucer 5¼. Doz. **$2.88**
E15403 [illegible] Doz. **$3.15**

PLATES—
E15410 [illegible] Doz. **$1.20**
E15411 [illegible] 1.35
E15412 [illegible] 1.50
E15413 [illegible] 2.10
E15414 [illegible] 2.60
[illegible] soup, 7 in., set 7 pcs.
E15316—Deep soup, 7 in., set 6¾. Doz. **$2.40**
E15317—Coupe soup, 7 in. set 6¾. Doz. **$2.10**

BAKER—
E15324—7 in., set 6¾x7. Doz. **$3.60**

BOWL—
E15431—30 oz. Doz. **$3.00**

PLATTERS—
E15041 [illegible] **$3.00**
E15042 [illegible] 5.75
[illegible] 9.60

SALAD—
E15323—7 in., set 8¼. Doz. **$3.60**

FRUIT—
E15306—4 in., set 5¼. Doz. **$0.90**

OATMEAL—
E15305—36's. Doz. **$1.88**

CREAMER—
E15316 4½ oz. Doz. **$3.60**

COVERED SUGAR—
E15377—30 in. Doz. **$7.20**

COVERED BUTTER—With drainer.
E15078—[illegible] Doz. **$11.00**

INDIVIDUAL BUTTER—
E15379—3¼ in. Doz. **$0.80**

COVERED DISH—Oval.
E11[illegible] Doz. **$12.75**

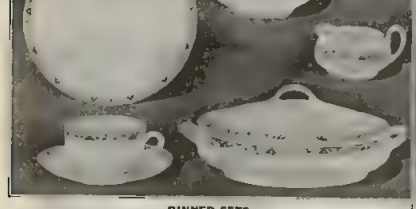
CASSEROLE—With cover.
E11[illegible] in. Doz. **$16.00**

SAUCE BOAT—Without stand.
E15[illegible] Doz. **$4.95**

PICKLE DISH—
E15[illegible] in. Doz. **$3.60**

"METROPOLITAN" BLUE, TAN & GOLD SEMI-PORCELAIN

"H. T. & K." trademarked. Light wt. white semi-porcelain, floral spray on light blue, tan, coral green and purple [illegible] border, gold edges and dec. handles, gold lined hollow pieces and cups. Open stock, sold in any quantity. No Package Charge.



DINNER SETS

E14790—42 piece set.
Shipping wt. about 40 lbs. SET. **$9.65**

E14796—50 piece set.
Shipping wt. about 50 lbs. SET **$13.50**

E14793—100 piece set.
Shipping wt. about 90 lbs. SET. Temp. Out

OPEN STOCK

CUPS AND SAUCERS—
E14700—Tea 3½x2¾ in., saucer 5¼. Doz. **$4.80**
E14702—Ovide tea 3½x2¾ in. saucer 5¼. Doz. **$4.80**
E14705—Coffee 3½x3¾ in., saucer 6½. Doz. **$5.40**

PLATES—
E14710 4 in., set 6. Doz. **$2.00**
E14711 5 " " 2.27
E14712 6 " " 2.75
E14713 7 " " 3.80
E14714 8 " " 4.20
E14717 Coupe soup 7 in. set 6. Doz. **$3.50**

BAKER—
E14734—7 in. set 9¾. Doz. **$6.00**

BOWL—
E14731 30's. Doz. **$5.00**

SALADS—
E14735—7 in., set 8¼. Doz. **$6.00**

FRUIT—
E14760—4 in., set 5¼. Doz. **$1.80**

PLATTERS—
E14743—8 in., set 11½. Doz. **$5.00**
E14745—13 " " 15¾. " **10.00**
E14747—15 " " 19¾. " **16.00**

OATMEALS—
E14765—36's set. 6. Doz. **$3.15**

INDIVIDUAL BUTTERS—
E14779—3¼ in. Doz. **$1.00**

CREAMER—
E14776—30's. Doz. **$6.00**

COVERED SUGAR—
E14777—30's. Doz. **$12.00**

COVERED BUTTER—With drainer.
E14[illegible] Doz. **$18.00**

COVERED DISH—Oval.
E14780—7 in. Doz. **$21.00**

CASSEROLE—Round.
E14782—7 in. Doz. **$24.00**

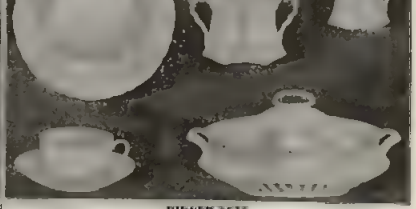
SAUCE BOAT—Without stand.
E14784—7x3½ in. Doz. **$12.00**

PICKLE DISH—
E14786—[illegible] in. Doz. **$6.00**

"NEW LOUVRE" FANCY PURE WHITE NEAR CHINA

Pope-Gosser

trademarked. Pure white near china, fancy embossing, super translucent, all pieces footed. Open Stock sold in any quantity. No Package Charge.



DINNER SETS

E11190—42 piece set.
Shipping wt. about 40 lbs.
SET. **$5.50**

E11196—50 piece set.
Shipping wt. about 50 lbs.
SET. **$7.85**

E11193—100 piece set.
Shipping wt. about 90 lbs.
SET. **$15.85**

OPEN STOCK

CUPS AND SAUCERS—
E11100 [illegible] Doz. **$2.40**
E11102—Ovide 3½x2¾, saucers 5½. Doz. **$2.40**
E11105 Coffee, 3½x2¾ in., saucer 5½ in. Doz. **$2.85**

PLATES—
E11110 4 in. set 6. Doz. **$1.10**
E11111 5 " " 1.40
E11112 6 " " 1.80
E11113 7 " " 2.50
E11114 8 " " 2.85
COUPE SOUPS—
E11117—7 in., set 6. Doz. **$1.95**

BAKERS—
E11124—7 in., set 9¾x7½. Doz. **$3.30**

PLATTERS—
E11143— 8 in., set 11½x7¾. Doz. **$3.75**
E11145—10 " " 12½x8½. " **5.00**
E11147—12 " " 14½x9¾. " **8.75**

SALADS—
E11135—7 in., set 8¼x5¾. Doz. **$3.30**
E11133—6 " " 7x5. " **4.65**

FRUIT DISHES—
E11140 4 in. set 5. Doz. **$4c**

OATMEALS—
E11146—30's, set. 6¾. Doz. **$1.85**

CREAMERS—
E11178—30's, hp. 4½. Doz. **$4.15**

BOWLS—
E11131 30's. Doz. **$2.75**

COVERED SUGARS—
E11177 30's, hp. 4. Doz. **$7.50**

COVERED BUTTER—With drainer.
E11179—8 in. Doz. **$10.00**

INDY BUTTER—Salts or celery dips.
E11179—3¾. Doz. **55c**

COVERED DISH—
E11186—9 in., set, 10x7¾. Doz. **$13.50**

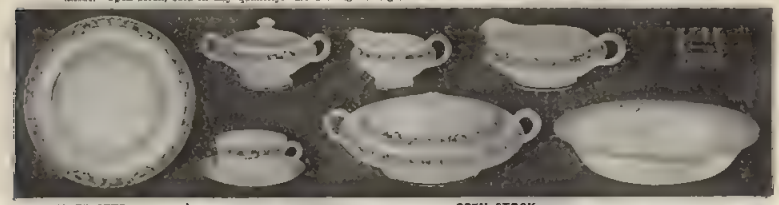
COVERED CASSEROLES—
E11183—7 in., set, 8½. Doz. **$13.50**

SAUCE BOAT—Without stand.
E11185—4½x8½ in. Doz. **$4.10**

PICKLE DISHES—
E11188—8¼x5. Doz. **$3.30**

"VICTORY" "K T & H" trademarked.

[illegible] white [illegible] and inside. Open stock, sold in any quantity. No Package Charge.



DINNER SETS

E15590—42 piece set.
Shipping wt. about 60 lbs. SET, **$9.65**

E15594—50 piece set.
Shipping wt. about 70 lbs. SET **$13.50**

E15593—100 piece set.
Shipping wt. about 140 lbs. SET **$28.15**

For composition of sets see bottom of page.

OPEN STOCK

CUPS AND SAUCERS—
E15590—Tea 3¾x2¾ in., saucer 5¾ [illegible] **$4.80**

PLATES—
E15516 [illegible] Doz. **$5.25**
E15511 [illegible] **2.00**
E15512 [illegible] **2.75**
E15513 [illegible] **3.50**
E15514 [illegible] **4.25**
E15515 [illegible]

BAKER—
E15576 [illegible] Doz. **$6.00**

BOWL—
E15581—30's [illegible] Doz. **$5.00**

PLATTERS—
E15582—8 in., act. 11¼ [illegible] Doz. **$5.00**
E15583—10 [illegible] **10.00**
E15584—12 [illegible] **16.00**

SALAD [illegible] Doz. **$6.00**

FRUIT [illegible] Doz. **$1.50**

OATMEAL [illegible] **$3.15**

CREAMER [illegible] Doz. **$6.00**

COVERED SUGAR [illegible] Doz. **$12.00**

COVERED BUTTER [illegible] Doz. **$18.00**

COVERED DISH—Oval [illegible] Doz. **$21.00**

CASSEROLE—Round [illegible] Doz. **$24.00**

SAUCE BOAT—Attached stand [illegible] Doz. **$16.00**

PICKLE DISH [illegible] Doz. **$6.00**

"POWHATAN" "K. T. & H." trademarked.

Light wt. white semi-porcelain, wide oriental border, black & ivory [illegible] tinsel handles and knobs, cups and covered dishes with gold base line. Open stock, sold in any quantity. No Package Charge.

DINNER SETS

E15190—42 piece set.
Shipping wt. about 60 lbs. SET **$9.95**

E15196—50 piece set.
Shipping wt. about 70 lbs. SET **$13.85**

E15193—100 piece set.
Shipping wt. about 140 lbs. SET **$28.50**

For composition of sets see bottom of page.

OPEN STOCK

CUP AND SAUCER—
E15100—Tea 3⅝x2⅜ in., saucer 5½ [illegible] Doz. **$4.95**
E15105—Coffee 3⅞x2¾, saucer 6¾ [illegible] Doz. **$5.85**

PLATES—
E15110 [illegible] Doz. **$2.00**
E15111 [illegible] **2.25**
E15112 [illegible] **2.75**
E15113—7 [illegible] **3.50**
E15114 [illegible] **4.25**
E15117—Coupe soup, 7 in., [illegible] Doz. **$3.50**

BAKER— [illegible] **$6.00**

BOWL—
E15131 30's [illegible] Doz. **$5.00**

PLATTERS—
E15143—8 in., act. 11¼ [illegible] Doz. **$5.00**
E15145—10 " " 13½ [illegible] " **10.00**
E15147—12 " " 17" [illegible] " **16.00**

SALAD [illegible]

FRUIT
E15139—7 in., act. 8¾ [illegible] Doz. **$6.00**
E15160—4 in., act. 5¾ [illegible] Doz. **$1.50**

CREAMER— [illegible] Doz. **$6.00**

COVERED SUGAR
E15177 30's [illegible] Doz. **$12.00**

COVERED BUTTER [illegible] Doz. **$18.00**

INDIVIDUAL BUTTER—
E15179—3¾ in [illegible] Doz. **$1.00**

CASSEROLE—Round [illegible] Doz. **$21.00**

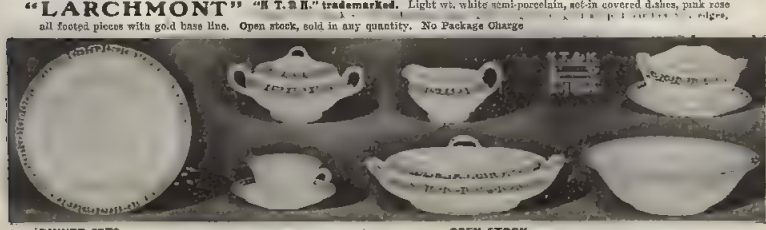
CASSEROLE [illegible] Doz. **$24.00**

SAUCE BOAT—Attached stand
E15196—5x3½ in [illegible] Doz. **$9.00**

PICKLE DISH— [illegible] Doz. **$6.00**

"LARCHMONT" "K T & H." trademarked.

Light wt. white semi-porcelain, set-in covered dishes, pink rose [illegible] edges, all footed pieces with gold base line. Open stock, sold in any quantity. No Package Charge



DINNER SETS

E15096—42 piece set.
Shipping wt. about 60 lbs. ..SET. **$9.95**

E15096—50 piece set.
Shipping wt. about 70 lbs. SET. **$13.85**

E15093—100 piece set.
Shipping wt. about 140 lbs. SET **$28.50**

For composition of sets see bottom of page.

OPEN STOCK

CUP AND SAUCER— Doz.
E15000 Tea [illegible] **$4.95**
E15005—Coffee 3½x2¾, saucer 6¾ Doz. **$5.85**

PLATES—
E15010—4 in. act. 3¼ Doz **$2.00**
E15011 " " " **2.25**
E15012 " " " **2.75**
E15013 " " " **3.50**
E15014—6 " " " **4.25**
E15017—Coupe soup, 7 in. act. 8¾ Doz **$3.50**

BAKER— [illegible] **$6.00**

BOWL—
E15031 30's [illegible] Doz. **$5.00**

PLATTERS—
E15043—8 in., act. 11¼ Doz. **$5.00**
E15045—10 " " 13½ " **10.00**
E15047—12 " " 16¾ " **16.00**

SALAD
E15032—7 in., act. 8¾ Doz. **$6.00**

OATMEAL—
E15058—6¾ in. act. 6 in Doz. **$2.15**

FRUIT
E15060—4 in., act. 5¾ Doz. **$1.50**

CREAMER—
E15078—30's, 8½ in. high Doz. **$6.00**

COVERED SUGAR
E15077—30's, 8½ in high Doz **$12.00**

COVERED BUTTER—With drainer,
E15078—8½ in Doz **$18.00**

INDIVIDUAL BUTTER—
E15079—3½ in. Doz. **$1.00**

COVERED DISH—
E15080—7 in. act. 10½x6¾ Doz. **$21.00**

CASSEROLE—Round,
E15084 [illegible] Doz. **$24.00**

SAUCE BOAT—Attached stand
E15086—5x3½ in. Doz. **$18.00**

PICKLE DISH
E15088 [illegible] Doz **$6.00**

Composition of Our Dinner Sets

42 Piece Set		50 Piece Set		100 Piece Set	
8 tea cups.	1 bowl, 30's.	8 tea cups.	1 nappy, 7 in.	13 tea cups.	1 baker, 7 in.
8 saucers.	1 platter, 10in	8 saucers	1 platter 8 in	13 saucers	1 platter 8 in
6 plates, 4 in.	1 cov'd sugar	6 plates 4 in	1 platter 10 in	12 plates, 6 in.	1 platter 12 in
6 plates, 5 in.	1 cov'd butter	6 plates, 5 in.	1 creamer	12 plates, 8 in.	12 fruits, 4 in.
6 plates, 7 in	1 creamer	6 plates, 7 in	1 cov'd sugar (2 pcs.)	12 plates, 9 in.	1 cov'd sugar (2 pcs.)
6 fruits, 4 in	1 baker, 7 in	6 fruits, 4 in	1 cov'd dish (2 pcs.)	12 coupe soups.	1 creamer
					1 butter dish (3 pcs.),
					1 nappy, 7 in.
					1 cov'd dish (2 pcs.)
					1 sauce boat (3 pcs.)
					1 pickle dish.

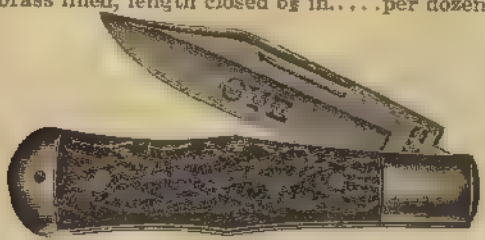
HUNTING KNIVES
"OUR VERY BEST", FOLDING KNIVES

LOCK BACK

No. 143 —1 blade, full polished, 8⅝ in., stag handle, brass lined, length closed 4½ in. ....per dozen $23.00

LOCK BACK

No 156 —1 blade, half polished, 4½ in., stag handle, brass lined, length closed 5¼ in. ....per dozen $40.00



No. 144 —1 Blade, glazed, 4½ in., cocobola handle, length when closed 5¼ in. .....per dozen $20.00

HALF DOZEN IN A BOX

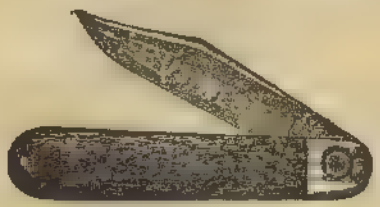
POCKET KNIFE TOOL KITS

Especially adapted for household mechanic and outing purposes.

No. 2762P—Consisting of 1 blade pocket knife, 1 screw driver, 1 chisel, 1 file, 1 reamer, 1 cork puller, 1 saw, which fit securely in special blank end of cocobola handle iron lined, pocket knife, length 3¾ in. tools packed in neat brown leather case, with the appearance of genuine alligator skin, size closed 4¼×3¼×⅞ in., w't per doz. 5 lbs., per dozen $24.00

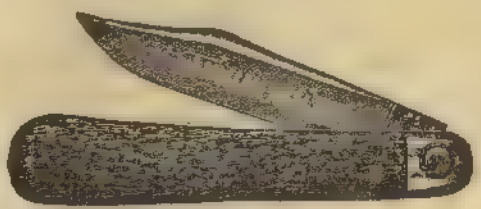
HALF DOZEN IN A BOX

HUNTING KNIVES
PRESS BUTTON, FOLDING



No. 943—1 blade, polished, 3 in., stag handle, iron lined, length closed 4 in. .....per dozen $21.60

HALF DOZEN IN A BOX



No. 944—1 blade, polished, 3⅞ in., stag handle, iron lined, length closed 4⅞ in. .....per dozen $24.00

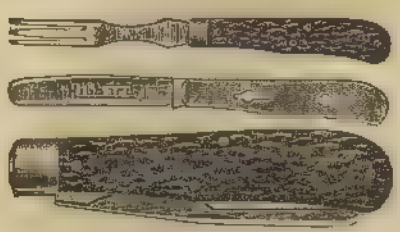
HALF DOZEN IN A BOX

By pressing the button shown in bolster, the blade will fly open and become firmly locked in place. To close the blade it is necessary first to press the button.

No. 953—1 blade, polished, 3⅞ in., stag handle, iron lined, patented, self-adjusting, nickeled silver guard, length closed 4⅞ in. .....per dozen $32.00

HALF DOZEN IN A BOX

CAMPING KNIFE, FORK AND SPOON



The above knives are ideal knives for campers and picnicers. Through an ingenious placing of slots in the linings the user can instantly take the knives apart in sections. Each section joins and opens like an ordinary pocket knife.

No. 2733P Hibbard —2 pieces, finest quality English crucible steel knife and fork, stag handle, brass lined, length 4 in. closed .....per dozen $24.00

QUARTER DOZEN IN A BOX

PRESS BUTTON, FOLDING

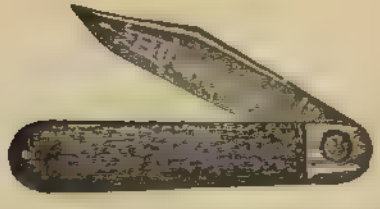
By pressing the button shown in holster, the blade will fly open and become firmly locked in place. To close the blade it is necessary first to press the button.

Full polished, stag handle, brass lined, 3⅜ in. closed.

No. 942—1 spear and one pen blade ..per dozen $21.60

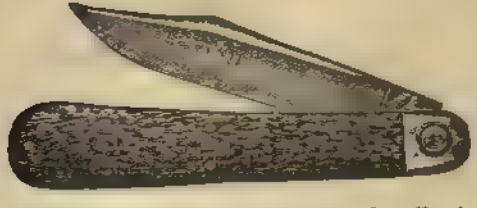
No. 957—1 clip and one pen blade ...per dozen 21.60

HALF DOZEN IN A BOX



No. 943—1 blade, polished, 3 in., stag handle, iron lined, length closed 4 in. .....per dozen $21.60

HALF DOZEN IN A BOX



No. 944—1 blade, polished, 3⅞ in., stag handle, iron lined, length closed 4⅝ in. .....per dozen $24.00

HALF DOZEN IN A BOX

No. 953—1 blade, polished, 3⅜ in., stag handle, iron lined, patented, self-adjusting, nickeled silver guard, length closed 4⅛ in. .....per dozen $32.00

HALF DOZEN IN A BOX

INK ERASERS

No. 681—2¼ in., steel blade, crocus polished, 3⅜ in. genuine ebony handle, 3⅜ in. sheath ....per dozen $7.00

HALF DOZEN IN A BOX

No. 14311—IXL, 2⅜ in. Wardlow's crucible steel blade, crucus polished, 4 in. genuine ebony handle, per dozen $27.50

HALF DOZEN IN A BOX

KNIFE PURSES

Fine imported smooth kid, silk stitching, enameled button clasp.

Nos.	1RB	2RB	3RB	4RB	5RB
Length, in.	2¼	2⅝	3¼	3¾	4
Per dozen	$1.00	1.00	1.00	1.00	1.00

THREE DOZEN IN A BOX

Smooth kid, silk stitching with solid brass embossed button clasp.

Nos.	1	2	3	4	5
Length, in.	2¼	2⅝	3¼	3¾	4
Per dozen	$1.00	1.00	1.00	1.00	1.00

THREE DOZEN IN A BOX

KNIFE PURSE ASSORTMENTS

No. 12—Assortment consists of 12 knife purses, assorted sizes, on attractive stiff card, size 11¼x10 in., with easel back and hang up ring, per assortment $1.20

GEO. WOSTENHOLM & SON IXL BRAND KNIVES

We have secured a few of the knives listed below and offer them subject to prior sale and stock on hand upon receipt of order—FIRST COME FIRST SERVED.

POCKET KNIVES

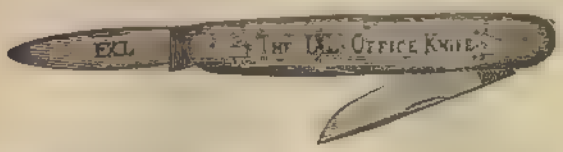
IXL glazed blades, iron handle, hollow bolsters.

No. 50—1 large spear blade, length when closed 3 in.; per dozen $14.30

No. 8018—1 large spear blade, length when closed 3¼ in., per dozen $17.50

No. 8019—1 large spear blade and 1 pen blade, length when closed 3¼ in. ..... per dozen $26.00

HALF DOZEN IN A BOX



OFFICE OR BUDDING, 2 blades, glazed, ivory celluloid handles, brass lined.

No. 16570—Plain handles, length when closed 3¾ in., per dozen $43.00

No. 16584—"The IXL Office Knife" stamped in **black letters on handle,** length when closed 3¾ in., per dozen $44.50

No. 16471—The IXL office knife stamped in black letters on handle, length when closed 3¾ in. ....per dozen $43.00

HALF DOZEN IN A BOX

IXL—CONGRESS, 2 blades, one tobacco or sheeptoe and one pen blade, glazed finish, patent stag handle, brass lined, hollow steel bolsters.

No. 2152—Length when closed 2⅞ in. ... per dozen $23.50

No. 2153—Length when closed 3⅛ in. . per dozen 34.00

No. 2154—Length when closed 3½ in. . . per dozen 36.00

HALF DOZEN IN A BOX

BUDDING KNIVES

No. 7691—IXL—BUDDING, 1 blade, glazed finish, black Buffalo horn handle with ivory tip, brass lined, nickel silver bolster, length when closed 4⅜ in., per dozen $47.00

HALF DOZEN IN A BOX

INK ERASERS

No. 14311—IXL—2½ in., crocus polished blade, ebony handle, full length 6⅜ in., complete with black varnished cardboard sheath with gold lettering, per dozen $27.50

HALF DOZEN IN A BOX

SHIPPING FACILITIES

With our immense stock and very modern facilities for shipments we are enabled to fill orders with unequaled promptness. On some of the roads we have special through cars which enable us to reach distant points 24 hours ahead of shipments made in the regular way.

TOWING CABLES

BASLINE AUTOWLINE

¼ inch Yellow Strand Wire Rope; Composed of 6 Strands of 10 Wires Each. Length 20 feet; Patented Drop Forged Snaffle Hooks; ½ inch Manila Bolt Rope Slings for Attaching to the Axle; Approximate Strength Over 6000 Pounds. Can Easily Pull a 4000 Pound Automobile Up a 20% Grade.

Coiled so that it Can be Carried Under Seat or in Tool Box. Every Auto Owner Should Have a Towing Cable for Emergencies.

Steel Rope, with Patented Snaffle Hooks and Manila Slings

	Each
No. WTR—Length 20 feet, ¼ inch Cable. Weight Each, 4½ lbs	$8 50

Loose

AMERICAN

The American Auto Towing Cable is the Very Latest Article of the Kind on the Market. It Has Many Strands of Wire. Consequently it is Very Flexible.

It is So Flexible that it Can Be Easily Coiled by Any One Into a Very Small Space and Carried in a Canvas Bag.

This Bag is Furnished with the Cable.

It is the Only Wire Towing Cable that Can Be Packed in this Convenient Form.

The Hooks and Loop on the End of this Wire Cable is a Special Feature with the American. It Can Be Quickly Attached or Detached to Any Object. No Knots to Tie. Can Always Be Put On Correctly to Absorb the Greatest Amount of Strain.

The Heavy Rope Loops Protect the Finished Surface of the Automobile at All Times.

Every Automobile Should Carry a Towing Cable. Essential for City Driving, a Tow Rope Comes in Handy Very Frequently. The Saving of One Towing Job will More than Pay for this Towing Cable. Hence Hardly Any Automobile that Does Not Have to Be Towed in at Least Once a Year.

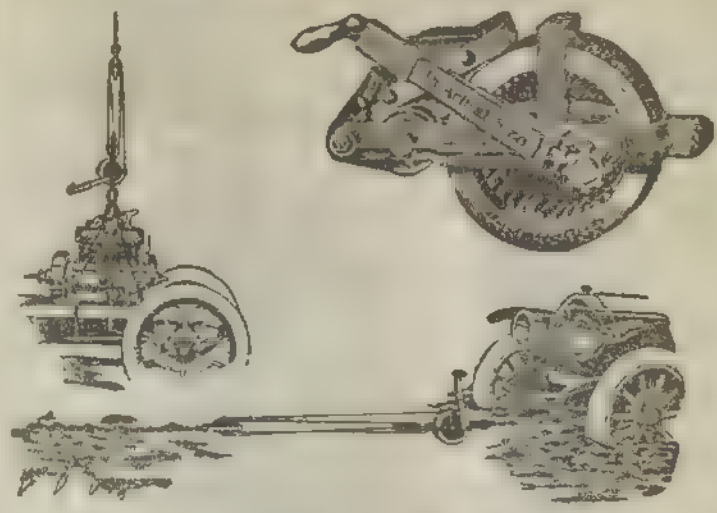
For Country Driving they Are an Absolute Necessity.

Made of Galvanized Flexible Steel Wire Rope, with Forged Steel Double Hooks and Manila Loops for Attaching to Car. Cable Made Light and Flexible so as to be Conveniently Carried in Tool Box.

	Each
No. ATR—Length 25 Feet; Weight Each, 5 lbs	$9 00

One in a Canvas Bag

PULLERS AND HOISTERS



PULL-U-OUT

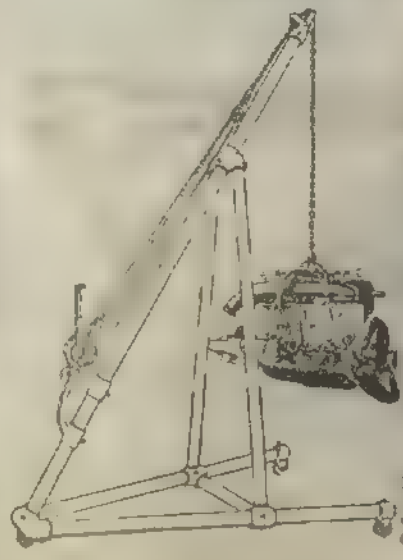
Should be in Every Motorist's Tool Box, Saves Time and Going or Sending for Help When Automobile Skids into Trouble, Turns Over, or Sticks in the Mud. Simply Drive in to the Ground the Three Little Stakes that Come with Outfit and Hitch Puller to Them, Give the Crank a Few Turns and the Car is Pulled Out of Trouble.

It Makes a Wonderful Hoist Because of its Light Weight, Great Power, Low Cost—Because it Will Work in Any Position, and Pull Horizontally as Well as Lift and has a Greater Reach and More Power than a Chain Block.

	Each
No. 1—Equipped with 40 feet of Steel Cable, Two 7 foot Chains and Three Stakes; Weight, 28 lbs.; Lifting Capacity One Ton Dead Weight; Pulling Capacity Over 100,000 Pounds on Wheels; Reach, 10 Feet Lift or 17½ Feet Pull.	$37.50 25.00
No. 2—Equipped with 50 Feet of Steel Cable, Two Extra Heavy 7 foot Chains and Three Extra Heavy Stakes. Lifting Capacity Two Tons Dead Weight. Pulling Capacity 150,000 lbs on Wheels; Reach, 12½ Feet Lift, or 19 Feet Pull; Weight Each 60 lbs.	82.50 55.00
No. 2X—Equipped Same as No. 2, Except that it has 100 Feet of Steel Cable, Giving 25 Feet Lift or 32 Feet Pull.	90 00 80.00

Loose

PORTABLE CRANES



PULL-U-OUT

Equipped with Pull-U-Out No. 1; this Crane Weighs but 250 lbs., Yet it Lifts a Ton 9½ feet. One Man Handles it Easily Lifting Anything Up to 1 Ton Weight, and Moving it Wherever there is a Floor to Roll it On. Beats a Whole Overhead Track System. If Desired, Can be Detached and Used Separately for all Kinds of Hoisting and Pulling.

Other Cranes of Same Capacity Weigh at Least 600 lbs. Lift Only Five feet and Cost Twice as Much as This One.

Built of 2½ inch Extra Heavy Steel Tubing, Enameled Black and Shaped so the Weight Can Not Tip it Over. Base is 3 Feet 3 inches Wide and 6 feet Deep; Total Height 10 feet.

Shipped Ready to Put Together. All Connections are Slip-Joints. Can be Knocked Down or Set Up in Three Minutes with Only a Small S-Wrench.

	Each
No. Pull-U-Out Portable Crane	$135.00 60.00

Loose

AUTOMOBILE JACKS

WEAVER TWIN

For Small Cars

Combination Turntable, Transporting Truck, Lifting Jack and Tire Rest.

4¼ inch Wheels; 26 inch Handle; 9 inch Lift; 1-1/16 inch Screws. Capacity 4000 lbs.

These Jacks will save one-half the time, labor and floor space in moving, storing, unloading, painting, overhauling or otherwise manipulating automobiles in the garage repair shop. A car can be pushed sideways, "cut-in" at right angles or turned completely around within its own length.

Ball and Roller Bearing—The casters and lifting mechanism are fully equipped with ball and roller bearings. Very heavy loads can be raised and transported with extreme ease

For Either Axle—The Jacks are designed to take either front or rear axle of the car, even though the latter be equipped with truss rods

Safety—The screw hoisting mechanism precludes any possibility of accident. There are no treacherous ratchets to jar out of engagement, or to be accidently "tripped off" by the workman while under the car

Construction—Malleable and steel construction 1-1/16 inch screws placed 28 inches apart; 34 inches between the wheels; lifting leverage 400 to 1; lifting capacity, 4,000 lbs. each.

Each

No. WST—Weight Each, 50 lbs. **$30 00**

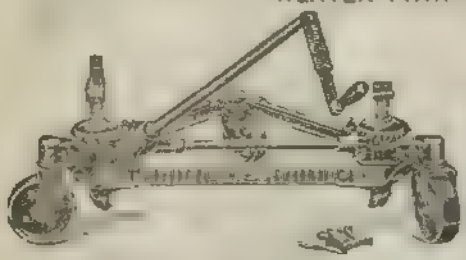
RUBBER TIRED

Each

No. WSTR—Same as WST, Except with Rubber Tired Wheels; Weight Each 50 lbs. **$45 00**

One in a box

WEAVER TWIN



Extra Heavy

For Garage Use

Made for Service under Trucks and very large Pleasure Cars; 7 inch Wheels, 34 inch Handle, 9½ inch Lift, 1¼ inch Screw, Capacity 8000 lbs.

Construction—The caster yokes on this Jack are very strongly designed and made of the best CAST STEEL. The large gear nuts which raise the screws each revolve upon twenty ½ inch steel balls which operate between two very heavy, hard steel thrust bearings. Each wheel yoke revolves upon two sets of steel balls. The 7-inch wheels enable enormous burdens to be transported over comparatively rough floors with almost incredible ease. LARGE ROLLER BEARINGS in the hubs assist in reducing the resistance to the minimum.

Each

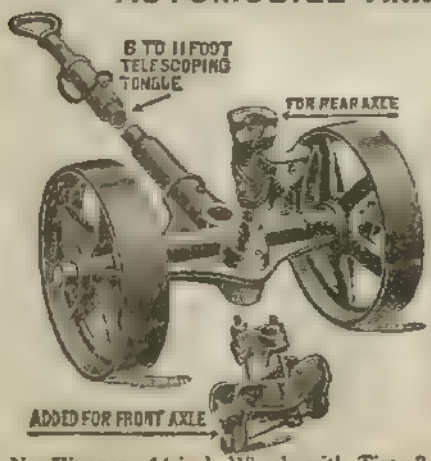
No. WGT—Weight Each, 110 lbs. **$48 00**

RUBBER TIRED

No. WGTR—Same as No. WGT, Except with Rubber Tired Wheels; Weight Each 110 lbs **$72.00**

AUTOMOBILE AMBULANCES

WEAVER



For Economically Transporting Disabled Automobiles to the Repair Shop. The Standard is Adjustable to Height for Any Axle. Furnished with Clamps to Securely Fasten to Front or Rear Axle.

Telescoping Tongue; Adjustable from 6½ to 12 Feet; Heavy Cast Steel Wheels, with Broad Roller Bearings; Heavy 1¼ inch Full Length Steel Axle.

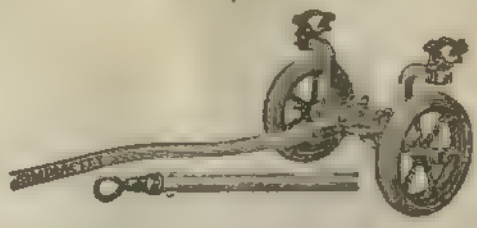
Each

No. Weaver—14-inch Wheels with Tires 3 inches Wide; Weight 145 lbs. **$70.00**

One in a Box

AUTOMOBILE AMBULANCES

SIMPLICITY



Simplicity of Design, Construction, Attachments, Application and Performance. Ambulance comes Complete, Stays Complete, Nothing to Break or Wear Out, no Small Parts to Fall off, Mislay or Lose.

Built Entirely of Steel.

Axle—Best Vehicle Axle Steel, 1½ inches in Diameter.

Wheels—Cast from Virgin Steel, Carefully Machined.

Swivel—Steel, 10 inches in Diameter, Fitted with Locking Device when Used under Rear End.

Yoke—Spring Steel 1½ inches square by 27½ inches wide. Designed to Cradle any Differential Housing.

Saddles—Steel, Interchangeable Fit any Shape or Size of Axle, Front or Rear.

Tires—Standard, Solid Rubber, 16x3.

Tread—Exceptionally wide, 32 inches, Holds the Road.

Pole—Special Design, Bent to Avoid Bumpers, Aprons or Truss Rods, Length 8 feet, Adjustable to 12 feet, Fitted with Strong Eye Bolt.

Lubrication—Self Oiling Splash System, all Dust Proof.

Bearings—High Speed Bronze Bushings.

Each

No. A—Rubber Tired **$170.00**

No. B—Steel-Tired Wheels, 15 inches in Diameter, 3 inches Wide; Otherwise Same Specifications as No. A **100.00**

Weight Crated 210 Lbs.

TOWING POLES

WEAVER

The Brakes of the Towing Car Absolutely Control the Rear Car. No Danger of Jamming on Down Grades or on Sudden Stops in Crowded Streets

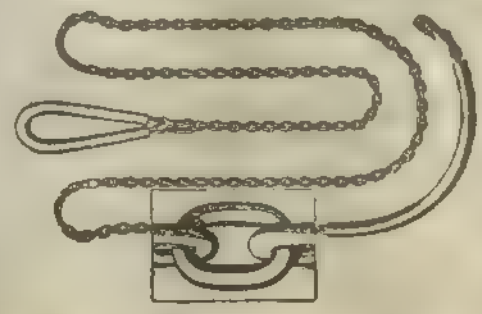
The Heavy Coil Spring Cushion Prevents all Pulling or Ramming Shocks, so there is No Jerk or Jar on Either Car The Connecting Clamps are Composed of Wide Leather Padded Sockets. Heavy Steel Chain with Spring Latch. This Gives the Pole Application to Axle, Spring or Frame of Either Car. The Pole Telescopes from 5 Feet 6 inches to 8 Feet. It is made of Double Strength Steel Tubing.

Each

No. Weaver **$24.00**

Shipping Weight 30 lbs.

TOWING CHAIN



Made of Heavy Proof Tested Electric-Welded Coil Chain With Special Grab Hook; Best Grade Canvas Tubing 24 inches Long on Each End; Chain and Hooks are Cold Galvanized by Special Process; Light Weight Non-kinking

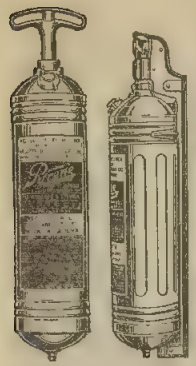
Each

No. ATC—Length 18 Feet; Tensile Strength About 2 Tons, Weight 3 Lbs. **$8 50**

FIRE EXTINGUISHERS

PYRENE

Approved by the National Board of Fire Underwriters.



Extinguisher Only — Extinguisher in Bracket

Will Put Out Every Kind of Fire in its Insipient State, no Matter How it Starts or What is Burning—Curtain Fires, Stove Fires, Chimney Fires, Fires Caused by Overturned Lamps, Etc. It Will Put Out Fires Having Origin in Such Materials as Oily Wastes, Shavings, Turpentine and Shellac It Will Conquer Fires Resulting from the Ignition of Benzine, Gasoline or Acetylene Gas—on Which Water and Ordinary Chemicals are Useless.

Pyrene Liquid is a Combination of Purely Organic Materials, Having an Aromatic Odor and a High Specific Gravity. **Pyrene** Contains Neither Acid, Alkali Salt nor Moisture, and Will not Stain the Most Delicate Fabric or Injure Anything With Which it May Come in Contact, Does not Lose its Strength or Deteriorate With Age; Will not Freeze at a Temperature of 50 Degrees F. Below Zero.

When Subjected to a Temperature of 200 Degrees F. or Over, it is Immediately Transformed into a Heavy, Dry, Cohering, Non-Poisonous **Gas Blanket**, Which Surrounds the Burning Material, Cutting Off the Air Supply Necessary for the Life of the Fire.

The Device is a Double-Acting Pump, Easily Operated by Hand, of One Quart Capacity, **Strongly Built** of Brass and White Metal Throughout. **Pyrene** Extinguishers Will Throw a Continuous Stream to Distance of About Twenty-Five feet.

When Pyrene Fire Extinguishers are Placed in an Automobile the Fire Insurance Will be Reduced 15% by All Fire Insurance Companies. The Saving in Insurance Will Soon Pay for the Extinguisher.

Do Not Rely on Putting Out an Automobile Fire With Water, Sand or a Dry Powder Fire Extinguisher. These Extinguishing Elements are Ineffective Except on the Smaller, More Accessible Fire, and Even in These Cases the Resulting Damage is Often Very Great to the Engine, Upholstery and Varnished Surfaces of Car. **Pyrene** is Non-Damaging and Non-Corrosive.

Every Motor Car and Garage Should be Proctd by **Pyrene Fire Extinguishers.** A Few Shots of **Pyrene**, Even if Directed Through the Radiator, Will Put Out the Most Stubborn Fire—so Quickly That it Will be Surprising

Pyrene is an Effective Extinguisher of Fires in Highly Inflammable Material—Particularly Oil or Gasoline.

Diameter, 3 inches; Length, 14 inches; Weight Filled, 6 lbs.; Always Shipped Filled, Ready for Use.

		Each
No. 1B—Brass; Complete with Brackets	$15.00	10.00

One in a Carton

LIQUID FOR RECHARGING

		Per Can
Quart Cans	$2.25	1.50

Twenty Cans in a Case

DIRECT SHIPMENTS

Pyrene Extinguishers May be Shipped from Any of the Following Cities at the Same Price as from St. Louis:

Atlanta, Ga.	Detroit, Mich.	Philadelphia, Pa.
Baltimore, Md.	Indianapolis, Ind.	Pittsburgh, Pa.
Boston, Mass.	Kansas City, Mo.	St. Paul, Minn.
Chicago, Ill.	Los Angeles, Cal.	San Francisco, Cal.
Cleveland, Ohio.	New York City, N. Y.	Seattle, Wash.
Dallas, Tex.		

FIRE EXTINGUISHERS

GUARDENE

Made by Pyrene Mfg. Co.

Approved by the National Board of Fire Underwriters.

Embodies All the Latest Improvements in Soda and Acid Machines.

Made of Cold-Rolled Copper, Burnished Outside and Heavily Plated Inside with Tin to Prevent Corrosion. In the Head is a Bronze Cage which Holds a Bottle Half Filled with Sulphuric Acid. The Tank is Filled with a Solution of Bicarbonate of Soda. A Leaden Stopper in the Bottle Prevents the Acid Deteriorating.

To Use the Extinguisher it is Simply Turned Upside Down; the Lead Stopper Falls Out and the Mixing of the Acid with the Soda Solution Generates a Gas Pressure that will Throw a Stream 40 feet. The Stream Can be Shut Off by Turning the Extinguisher Right Side up Again.

Tested to 350 Pounds Pressure, but the Working Pressure is Only About 100 pounds.

Each Tank is Equipped with the Best Quality Five-Ply Chemical Hose, Attached by a Universal Swivel Joint; Guaranteed Not to Leak. Diameter, 7 inches, Weight Filled, 20 lbs.; Capacity, 2½ Gallons.

		Each
No. G—Complete	$32.00	20.00

One in a Carton

ACME

Approved by the National Board of Fire Underwriters.

Made of Best Grade Copper, Coated with Pure Lead; Sealed with a Lead Stopper, Making it the Simplest and Easiest to Operate.

Tested to 350 lbs. Hydrostatic Pressure Before Leaving Factory.

Fully Charged Ready to Use.

Complete with Hook and Screws to Hang on Wall.

Diameter, 7 inches; Shipping Weight, 21 lbs
Capacity, 2½ gallons

		Each
No. A—Polished Copper	$23.00	

AIR COMPRESSORS

CURTIS—SINGLE STAGE OUTFITS

Pure Air for Your Customer Means Good Service. Because Oil Ruins Tires, and Air Free From Oil Means Fewer Blowouts—Fewer Punctures—Greater Tire Mileage—Less Repairs; Saves Them Many Dollars Up-Keep Every Month.

A Few Curtis Exclusive Features

1. Controlled Splash Self-Oiling System, with Cylinder Oiling Permanently Regulated. No Oil gets into the Tires to Rot them. Compressor will Run Ten to Fifteen Times as Long on the Same Amount of Oil.
2. High and Low Level Oil Filling Gauge, so You can Tell at a Glance the Amount of Oil in the Crank Case.
3. Fan Fly Wheel Assists in Cooling the Cylinder.
4. Valves of Light Weight and Large Area, Inspectable Without Removing Head.
5. Safety Cage Prevents Possibility of Broken Valves Dropping and Wrecking the Machine.
6. Hand Unloader Permits Starting Against Dull Tank Pressure Without Burning Out Motor, Blowing Fuses, Burning or Jumping of Belt.
7. Large Drop-Forged Crank Shafr. Adjustable, Renewable, Die Cast Non-Cutting Bearings.
8. Head Removable Without Breaking Pipe Connections. Only One Gasket.

★The No. 4 is the Most Popular Size for Garage Service, and the No. 2, the Next Most Popular. See Data Below.

Size	1	*2	3	*4	5
Bore and Stroke	1⅝x2	2⅛x3½	2⅝x3	3⅛3½	4½x4½
Minimum Speed	500	400	350	300	250
Cu. Ft. Displacem't.	1 2	1 8	2 99	4 32	10 4
H. P. at 100 lbs.	.2+	.36	.60	.87	2 09
H. P. at 200 lbs	.	47	78	1 14	2 75
Usual Size Motor, H.P.	¼	½	¾	1	3
Maximum Speed	700	600	550	500	400
Cu. Ft. Displacem't.	1 68	2 70	4 7	7 20	16.5
H. P. at 100 lbs.	.31	54	95	1 45	3 31
Size Pulley	9x1¾	11x2⅛	12x2⅛	14x2⅝	22x4½
Shipping Weight	40	65	100	120	385
Each With Tight P. only	$34 20	37 80	47 70	50 40	108 00
	54 70	60.50	76 30	80 65	172 80
Each With T. & L. Pulley	$37 80	41 40	51 30	54 00	120 00
	60 50	66 25	82 10	86 40	201 60

STYLE "S" SINGLE STAGE OUTFITS

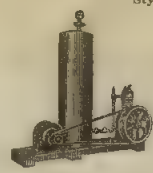
These Outfits are Complete, Including Air Compressors with Hand Unloader, and Tight Pulley Only, (See Extra if Loose Pulley is Wanted) Also Steel Pressure Tank, Air Gauge, Drain Cock, Outlet Cock from Tank with 20 feet of Hose with Tire Chuck, and Piping Complete Between the Compressor and Tank, as Illustrated.

Style and No.	Size of Compressor	Size of Pipe	Size of Tank	Cap. in gals.	Complete Outfit as Above Each	Extras Loose Pulley Each	App Shipping Wt., lbs.
S-1	1⅝x2	½	12x36	17.3	$82.80 **90.35**	$3.60 **4.30**	125
S-2	2⅛x2½	½	12x36	17.2	90.50 **108.60**	3.60 **4.30**	140
S-3	2⅝x3	¾	14x48	32 1	109 20 **131 05**	3.60 **4 30**	190
*S-4	3 x3½	¾	16x60	53 5	135.50 **162 60**	3.60 **4.30**	295
S-5	4⅛x4½	1¼	20x60	82.5	236 00 **283 20**	18 00 **21 60**	480

AIR COMPRESSORS

CURTIS—SINGLE STAGE OUTFITS

Style "Z" Single Stage Outfits



Price Includes Compressor, Tank and Motor of Size Specified, Piping Between Compressor and Tank, Including Shut-off Cock, Air Gauge, Pop Safety Valve and Drain Cock, Single Leather Drive Belt, Mounted on Oak Belt, as Illustrated. **Belted Only.**

Dimensions

Style and No.	Size Compressor	Compressor Speed	Cubic feet Displacement	Maximum Pressure lbs.	Motor H.P.	Size Tank inches	Time Required to Fill Tank from 0 to 150 lbs.
Z-1-A	1⅝x2	500	1 10	150	¼	12x36	40 min.
*Z-2-A	2⅛x2½	475	2.35	150	½	12x36	17 min.
Z-3-A	2⅝x3	425	3 63	150	¾	14x48	20 min.
*Z-4-A	3 x3½	275	3.94	150	1	14x48	18 min.
Z-4-B	3 x3½	275	3.94	150	1	16x60	30 min.
Z-5	4⅛x4½	275	11.4	150	3	16x60	8 min.
Z-5-A	4⅛x4½	275	11.4	150	3	20x60	13 min.

Belted Only

Style and No.	Complete with Motor D. C. 110–220 Volts Each	Complete with Motor A. C. 60 Cyc. Sg Ph. 110–220 Each	Complete with Motor A. C. 60 Cyc. 2 or 3 Ph 110–220 Each	App. Ship. Wt. lbs.	Extra for Automatic Starting and Stopping Device Each
Z-1-A	$144 00 **216 00**	$172.80 **259 20**	$172.80 **259 20**	245	$40.00 **60 00**
*Z-2-A	194.40 **291 60**	212.40 **318 60**	212.40 **318.60**	300	40.00 **60.00**
Z-3-A	216 00 **324 00**	271 80 **407.70**	239.20 **358.80**	365	45 00 **67.50**
*Z-4-A	252.00 **378 00**	282 60 **423 90**	251.50 **377.25**	410	50.00 **75.00**
Z-4-B	264.60 **396 90**	295.20 **422 80**	264.25 **396 .40**	500	50.00 **75 00**
Z-5	505 40 **758.10**	507 60 **761 40**	401 60 **602 40**	780	75.00 **112 50**
Z-5-A	534 60 **801 90**	525 60 **788.40**	417 80 **626.70**	840	75.00 **112.50**

EXTRAS ON ALL OUTFITS

For 25 or 40 Cycle Alternating Current Motors, Increase Above Lists 15% to List Price on Z, X and V Outfits. 20% to List Prices on W Outfits.

The Tanks Listed are not Suitable for use in California, Detroit, Chicago and Canada.

For 150 Pound Pressure California Specification Tanks, Advance These Lists 5%.

Chicago or Detroit Tanks Quoted on Application.

INFORMATION WANTED ON ALL OUTFITS

Whether Belted or Geared.

If Direct Current, Give Voltage.

If Alternating Current, Give Voltage, Number of Cycles and Phase

Always State What Extras Wanted.

*Poplar Size Garage Outfits.

TOO LATE FOR CLASSIFICATION

PYREX GLASS WARE

Fire Glass

TEA POT ASSORTMENTS

Latest Development in Pyrex Glass Ware; Smartest Thing in Teapots.

Will Stand the Same Temperatures as Balance of Pyrex Line; Boiling Water Poured on the Tea, the Same as with Any Other Tea Pot, Will Not Break Them; Being Transparent It is Always Possible to Tell the Strength and Quantity of Tea in Pot. Each Assortment Consists of 1 only 2 Cup, 2 only 4 Cup and 1 only 6 Cup in Each of 3 Different Styles.

Per Assortment

No. PO12—12 Assorted Sizes and Shapes, Weight per Pot, 2 lbs; Shipping Weight per Assortment, 35 lbs ... $18.00 36.00

One Assortment in a Case

TEA POTS -OPEN STOCK

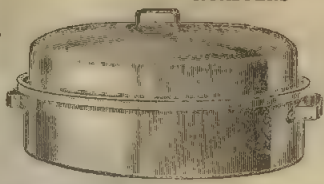
The Same Tea Pots as Listed in Above Assortment:

		Each	Per Dozen
	Round Shape		
No. 12	2 Cup	$40 00	30 00
No. 14	4 Cup	48 00	36.00
No. 16	6 Cup	56.00	42 00
	Square Shape		
No. 22	2 Cup	40 00	30.00
No. 24	4 Cup	48.00	36.00
No. 26	6 Cup	56 00	42.00
	Tall Shape		
No. 32	2 Cup	40 00	30.00
No. 34	4 Cup	48 00	36 00
No. 36	6 Cup	56.00	42.00

One in a Carton; Average Weight, 2 lbs. Each

ALUMINUM WARE

ROASTERS



Pan Has Raised Bottom which Prevents Burning and Forms Deep Gravy Trench Around Edge; Cover is Self Basting and Fits Snugly into Bottom Pan, Made of 18 Gauge Polished Aluminum Heavily Tinned Steel Handles Securely Riveted.

Per Dozen

No. 5366—15x8 1/2x7 1/4 inches; Weight per Dozen, 25 lbs. $41.00
No. 5365—18 1/2x11 1/4x8 inches; Weight per Dozen, 43 lbs. 59 00

One in a Carton; Six in a Shipping Carton

TUB HOOPS

REPAIR

Made of 1/4 inch 21 Gauge Hoop Steel, Rolled Flaring to Fit Tub; 80 inches in Length, will Fit the Largest Tub; Spring Link Permits Hoop to Expand and Contract with Tub Can be Applied by any Inexperienced Person.

Per Dozen

No. 20—Length 80 inches; Weight per Dozen, 8 lbs. $3.20

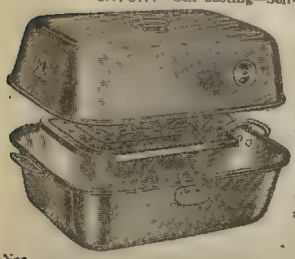
Three Dozen in a Wooden Box

ALUMINUM WARE

ROASTERS

SAVORY—Self-basting—Self-browning

OBLONG



Equally as Good For Cold Pack Canning of Fruits and Vegetables; as for Roasting of Meats and Fowls; Made of 18 Gauge Aluminum Highly Polished; Handles of Tinned Wire Securely Riveted; Self Basting Cover with Vents in Side and End.

Nos	5493	5494
Length, inches	16	17
Width, inches	11 1/4	12 1/4
Depth, inches	8 1/4	9
Capacity, quart Mason Jars	7	8
Capacity, pint Mason Jars	11	13
Weight per Dozen, lbs.	45	55
Per Dozen	$98 00	128.00

One in a Carton; Six in a Shipping Carton

AUTOMATIC PISTOLS

LUGER

NEW MODEL

The Luger, .30 Caliber (or 7.65 M/M); Has a Muzzle Velocity of 1150 feet; Range 2000 yards; Magazine Carries Eight Cartridges in the Stock of the Pistol; the Barrel and Breech Block are Forced Backward by the Recoil from the Discharge of the Cartridge, and the Empty Shell is Extracted and Ejected by the Same Movement, and Another Cartridge Placed in the Chamber Automatically, and is Again Ready for Discharge; is Quickly and Easily Dismounted or Reassembled.

Each

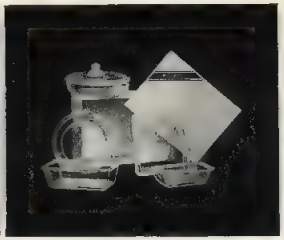
No. L765—Weight Each, 1 lb. 15 ozs. $35.00

One in a Box

"Pyrex"—makes useful gifts

Household set

14-piece household set, packed in attractive white box; each set contains
1—1½-qt. round casserole
1 10½x6½x2 inches, oblong utility dish
1—1-qt. round pudding dish
2—9½-inch pie plate, wide rim
1 9⅛x5⅛x2⅛ inches, oblong bread pan
1—9⅛x5⅛x⅞ inches, oblong biscuit pan
6—6-oz. custard cups, round, French style
U0922 Household set. **Each, $13.30**



Plain gift set

5-piece gift set, packed in an attractive white gift box, each set contains
1—1½-qt. oval casserole.
1 9¼x5⅛x2¼ inches, oblong meat loaf pan
1—8½ inches, round pie plate, wide rim
1 9⅛x7⅝x1¼ inches, oblong biscuit pan
1—7⅜x5⅜x2 inches; oblong baking dish
U0923 Gift set. **Each, $6.50**

Engraved gift set

5-piece engraved gift set, packed in an attractive white gift box, each set contains
1—1½-qt. engraved oval casserole
1—9¼x5⅛x2⅛ inches; oblong engraved meat loaf pan
1—8½ inches, round pie plate, wide rim
1—9⅛x7⅝x1¼ inches, oblong biscuit pan
1—7⅜x5⅜x2 inches; oblong baking dish
U0924 Gift set. **Each, $10.70**

OPEN STOCK A varied selection of the most popular sellers

A—Square pudding dish
Size, 1½ quarts **Each, $1.68**

B—Vegetable dish, double compartment
Size 9¾x1¾ inches **Each, $2.00**

C—Casseroles, round; shallow
Capacity, 1 quart **Each, $2.00**
Capacity 1½ quarts **Each, 2.34**

D—Oval casseroles, shallow
Capacity, 2 quarts **Each, $2.00**
Capacity, 1½ quarts **Each, 2.34**
Capacity, 2 quarts **Each, 2.66**

E—Casseroles, round, deep
Capacity, 2 quarts. **Each, $2.66**
Capacity, 2½ quarts. **Each, 3.34**

F—Bean pot, round
Capacity, 3½ quart **Each, $1.34**
Capacity, 1 quart **Each, 2.34**
Capacity, 2 quarts **Each, 3.34**

G—Casseroles, square
Capacity, 1½ quarts. **Each, $3.00**

H—Handled pudding dish, deep
Capacity, 1½ quarts. **Each, $1.66**

I—Bread pan, oblong
Size, 9⅛x5⅛x2⅞ inches **Each, $1.20**
Size, 10¾x5¾x3¼ inches **Each, 2.00**

J Round pie plates
Size, 6⅛-inch diameter **Each, $0.68**
Size 7⅛-inch diameter **Each, .80**
Size, 8⅛-inch diameter **Each, 1.14**
Size, 9⅛-inch diameter **Each, 1.20**
Size, 10⅛-inch diameter **Each, 1.34**
Size 11⅛-inch diameter **Each, 1.50**

K—Utility dish, oblong
Size, 9¼x7¾ inches **Each, $1.14**
Size, 10½x6½ inches. **Each, 1.34**
Size, 11⅛x8¾ inches **Each, 1.68**
Size, 12¾x8⅛ inches **Each, 2.34**

CONDUCTORS' PUNCHES

No 22—Wrought steel, nickel plated, fancy holes, **assorted**, length 5 in., w't per doz. 2 lbs., per dozen $4 50

HALF DOZEN IN A BOX

No. 260—Wrought steel, nickel plated with reservoir, **fancy holes**, length 5 in., w't per doz. 2 lbs., per dozen $5.00

HALF DOZEN IN A BOX

No. 38—Nickel plated, fancy holes, **assorted**, length 5¼ in., w't per doz. 3 lbs. .....per dozen $26.00

HALF DOZEN IN A BOX

No 120—Nickel plated, with fancy holes, assorted, length 4½ in., w't per doz. 2½ lbs. .....per dozen $20.30

HALF DOZEN IN A BOX

CONDUCTORS' PUNCHES

Scientifically made for service, strong and sturdily built. No sharp edges to wear callouses, handles are curved to fit the hand. Ideal for punching loose leaf sheets.

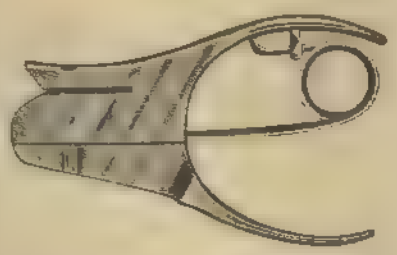
Body cut away so you can cut exactly what you want to. Equipped with receptacle fitted in groove and can be easily slid out of way if not wanted.

Punch and die easily removed and replaced by new ones in case of repair.

Made of strong steel, nickel plated and highly polished, punch and die of hardened steel, reach up to 1¼ in., sl t ⅝ in. wide, length 5 in.

Nos.	103	104	105	106
Punch holes, in.	⅛	3/16	5/32	¼
W't, doz., lbs.	4	4	4	4
Per dozen	$27 00	27 00	27 00	27.00

ONE IN A BOX



No. 44—Nickel plated, fancy holes, assorted, length 4 in., w't per doz. 4 lbs. .....per dozen $54.00

ONE IN A BOX

This is one of the best punches made for street car transfers and other tickets, as the numbers to be punched can be plainly seen through the punch.

No. 263—Nickel plated, fancy holes **assorted**, length 4½ in., w't per doz 3¾ lbs. .....per dozen $54 00

ONE IN A BOX

Our OLD and Hibbard Tools are made by skilled workmen from Best Materials, with an Accurate Knowledge of the Requirements of each article.

That every Article bearing these brands shall be the Best of its kind on the Market has been our constant Aim.

How well we have Succeeded is Shown by the Greater Number of Merchants who have Adopted these Brands as Their Standard and by the Increased Sales of Each.

Will you make these Slogans your Slogans?

"Our Very Best is The Very Best."

Hibbard
HARDWARE for HARD WEAR

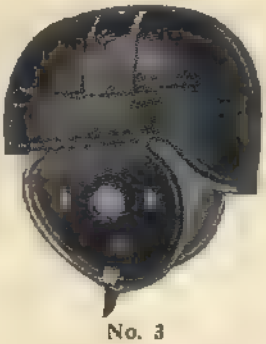
REACH HEAD HELMETS

No. 0

No. 0B

No. 0Y

No. 3X



No. 3

No. 0. Black grained leather lined with white felt Moulded crown with strap reinforcements over top. Leather lined adjustable head piece. Deep moulded ear pieces formed to cover temples and cheeks Deep back extension. Adjustable to any size head. Adjustable, elastic chin strap

No. 0B. Black grained leather with white felt lining Moulded crown with strap reinforcements over top. Adjustable head band. Wide ear pieces. Deep back extension Elastic chin strap Special boys size extra good helmet like the big players use

No. 4

No. 0Y. Tan strap leather lined with white felt. Moulded crown with strapping fiber reinforced and web shock absorbing cushion. Large, moulded ear pieces Low cut back, close fitting. Adjustable head piece with leather sweat band. Adjustable elastic chin strap

No. 3X. Black grained leather white felt lining. Moulded and reinforced crown with leather over-straps. Adjustable leather lined head piece Large ear pieces. Deep back extension

No. 3. Black grained leather lined with gray felt Strap leather crown. Large ear pieces and deep back. Adjustable elastic chin strap

No. 4. Open strap harness. Russet grained leather. Lined with grey felt. Adjustable to any size head. Elastic chin strap. Light weight and comfortable.

No.	Packed	Weight	Each
0	1	1½ lbs.	$5.00
0B	1	1½ lbs.	5.00
0Y	1	1½ lbs.	6.00

No.	Packed	Weight	Each
3X	1	1¼ lbs.	$4.00
3	1	1¼ lbs.	3.00
4	1	1¼ lbs.	2.00

JOCK SUPPORTERS

No. 44

No. 34

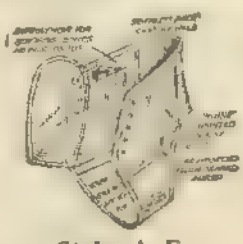
No. 44. "Mizpah." No metal. All elastic. Self adjusting. More convenient. Small medium and large sizes

No injury to rubber in boiling.

No. 34. "Ware." All elastic of best webbing.

No.	Packed	Weight	Each
44	1	3½ oz.	$1.00
34	1	2½ oz.	.50

NATHAN ANKLE SUPPORTS



Styles A, E

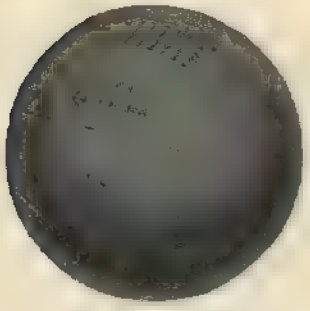
Style A. Black sateen corset type. Flexible ribs support ankle yet are comfortable and easy Sizes for children and adults

Style E. Same as Style A except is made of black leather instead of black sateen.

No.	Packed	Weight	Pair
A	1	3½ oz.	$1.25
E	1	4 oz.	1.50

ALBANY HARDWARE & IRON CO.

REACH BASKET BALLS



No. 0L

No. 00

No. 2

No. 2½

No. 0L. Official Ball. Laminated ball of two layers of leather with fabric between. This type of construction insures uniformity in strength, thickness and wearing qualities, also holding ball true in shape until worn out. Regulation outside rawhide leather lacing.

No. 00. Reach Official Unlined Basket Ball. Special tanned Tuan leather built on regulation official four-section model. Correctness in shape and balance gives the ball fast and snappy action in bouncing and passing. Complete with pure rubber bladder, rawhide leather lace and a No. W steel lacing needle.

No. 2. Special Heavy pebble-grained leather. Lined with best grade of canvas. Regulation size and official pattern.

No. 2½. Scholastic. Selected pebble-grained leather. Canvas lined. Standard eight section pattern. Complete with heavy pure rubber bladder and lace.

No.	Packed	Weight	Each
0L	1	2⅜ lbs	$18.00
00	1	2⅛ lbs.	16.00
2	1	1¾ lbs.	5.00
2½	1	1¾ lbs.	4.00

No Guarantee On Basket Balls and Bladders After Being Put In Play

BASKET BALL BLADDERS

No. 0LB

No. 0H

No. 0LB. Extra heavy, fitted with latest type valve. **No. 0H.** Extra heavy. **No. 0B.** Heavy.

No.	For Balls	Packed	Weight	Each
0LB	No. 0L	1	6 oz.	$2.00
0H	No. 00	1	6 oz.	1.50
0B	Nos. 2, 2½	1	6 oz.	1.25

BASKET BALL GOAL AND NETS

No. 6

No. 6 Goal. Heavy gauge malleable iron frame with strong braces. Heavy twine nets.

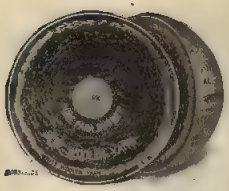
Packed, 1 pair. Weight, 16 lbs. ..... per pair, $8.00

NETS

No.	Kind	Packed	Weight	Per Pair
N	Heavy cotton twine	1 pair	5 oz.	$1.25

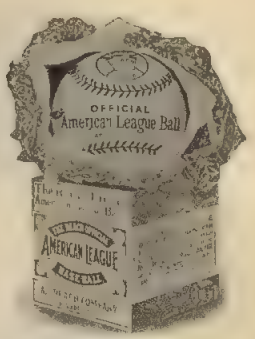
BASE BALLS

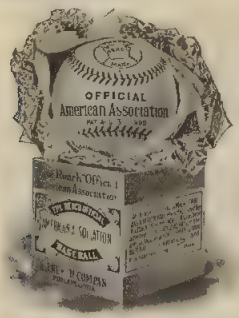
REACH



CORK CENTER

The fundamental purpose of the Cork Center in a base ball is not to make it more or less lively, but to increase materially its efficiency—its durability. In other words, the Cork Center permits the manufacturer to offer a ball which will keep its shape absolutely—one which will not beat up soft and one which will not burst or crack. The fact that the Cork Center Ball was the official of the World's Series is a sufficient test of its merits.





RETAIL PRICES	Each
No. 1	$1.25
No. 0	1.25

OFFICIAL AMERICAN LEAGUE

Regulation Size and Weight. Official for all Leagues. Made of Specially Prepared Pure Worsted Yarn, wrapped over Cork Center. Covered with Finest Horsehide. Double Hand Stitched. Guaranteed to last a full game of nine innings. Wrapped in tin foil, one in a sealed carton.

	Per Dozen
No. 0	$29.00

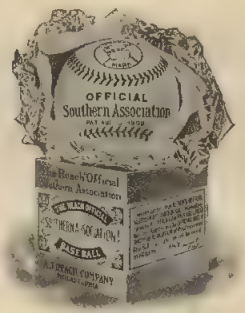
One dozen in a box. Weight, per dozen, about 4¼ pounds.

OFFICIAL AMERICAN ASSOCIATION

Regulation Size and Weight. Conforms to all League Regulations. Made of Specially Prepared Pure Worsted Yarn, wrapped over Cork Center. Covered with Finest Horsehide. Double Hand Stitched. Guaranteed to last a full game of nine innings. Wrapped in tin foil, one in a sealed carton.

	Per Dozen
No. 1	$29.00

One dozen in a box. Weight, per dozen, about 4¼ pounds.



RETAIL PRICES	Each
No. 0J	$1.00
No. 1A	1.25

OFFICIAL AMERICAN LEAGUE JUNIOR

Boys' Size. Made of Specially Prepared Pure Worsted Yarn, wrapped over Cork Center. Covered with Finest Horsehide. Double Hand Stitched. Wrapped in tin foil, one in a sealed carton.

	Per Dozen
No. 0J	$20.00

One dozen in a box. Weight, per dozen, about 4¼ pounds.

OFFICIAL SOUTHERN ASSOCIATION

Regulation Size and Weight. Conforms to all League Regulations. Made of Specially Prepared Pure Worsted Yarn, wrapped over Cork Center. Covered with Finest Horsehide. Double Hand Stitched. Guaranteed to last a full game of nine innings. Wrapped in tin foil, one in a sealed carton.

	Per Dozen
No. 1A	$29.00

One dozen in a box. Weight, per dozen, about 4¼ pounds.

BASE BALL BATS

DELPHIA

RETAIL PRICE Each
No. 111.. $1.00

SUHACO

Made of the Highest Grade Selected Second Growth, Straight Grained White Ash Flame Burnt, Highly Polished Finish with Trade Mark Transfer. Nicely Balanced. **Extra Large and Extra Light Weight.**

Per Dozen

No. 111—Men's Size. Lengths, 31 to 34 inches..... **$20.00** --- ---

One in a paper bag, one dozen in a crate. Weight, per crate, about 32 to 35 pounds.

LOUISVILLE SLUGGER

RETAIL PRICE Each
No 40K.. $1.50

KORK GRIP HANDLE

Made from the Choicest Second Growth Ash, with New Kork Grip Handle. On Account of the Yielding Character of Cork it Affords a Perfect Grip, Absorbs the Perspiration, Eliminates the Vibration and Consequently Will Not Sting the Hands Assorted Models. Hand Cured "Oil Tempered" Finish.

Per Dozen

No. 40K—Men's Size. Lengths, 32 to 36 inches..... **$30.00** ---- ----

One in a paper bag, three dozen in a crate. Weight, per crate, about 110 pounds.

RETAIL PRICE Each
No. 125. $1.00

OIL TEMPERED

Made of the Choicest Select Second Growth Straight Grain White Ash, Hand Turned New Oil Tempered Finish, which gives the Wood a Hard Surface and Good Driving Power. Trade Mark Transfer. Special Selection of Models from Leading Players.

Per Dozen

No. 125—Men's Size. Lengths, 32 to 36 inches..... **$19.50** --- ---

One in a paper bag, three dozen in a crate. Weight, per crate, about 110 pounds.

RETAIL PRICE Each
No. 40TC $1.00

TY COBB MODEL

Made of Second Growth Straight Grained White Ash, Hand Turned. Flame Burnt, Highly Polished Finish, with Photo Trade Mark Transfer.

Per Dozen

No. 40TC—Men's Size. Lengths, 32 to 36 inches..... **$19.50** --- ---

One in a paper bag, three dozen in a crate. Weight, per crate, about 110 pounds.

RETAIL PRICE Each
No. 40L. $1.00

NAPOLEON LAJOIE MODEL

Made of Selected Second Growth Straight Grained White Ash, Hand Turned. New Golden Mottled Finish, with Photo Trade Mark Transfer.

Per Dozen

No. 40L—Men's Size. Lengths, 32 to 36 inches..... **$19.50** --- ---

One in a paper bag, three dozen in a crate. Weight, per crate, about 110 pounds.

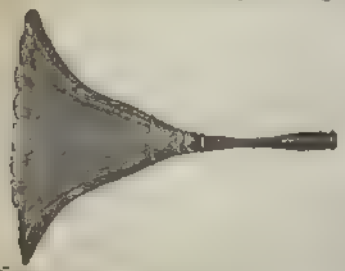
FEATHER DUSTERS

★REDSTRONG

Contains Almost 200 Selected High Grade Turkey Feathers; Outer Rows Tail Feathers; Inner Rows Wing Feathers; all Milled, Only the Clear, Flexible, Well Feathered Quill Remains; No Pointers, Culls or Broken Feathers; Patent Wood Mounting Gives Wide Spread; Bound to give Extra Strength; Special Hand Fitting Handle of Convenient Length.

Nos.	R14	R16	R18
Length Feathers, inches	314	16	18
Weight Dozen, lbs.	8	10	11
Per Dozen	$29 50	36.00	42 00

One in a Mothproof Bag; Half Dozen in a Carton



★LONGWEAR

Specially Constructed for Hardware Trade; Contains 120 Feathers. Extra Quality Selected High Grade; Outer Rows Tail Feathers, Inner Rows Wing Feathers; Patent Wood Mounting Gives Extra Wide Spread; Longwear Green Cuff; Heavy Nickel Ferrule.

Nos.	L14	L16	L18
Length Feathers, inches	14	16	18
Weight Dozen, lbs.	7	8½	10
Per Dozen	$23 00	26 50	30.00

One in a Mothproof Bag; Half Dozen in a Carton

STANDARD

Full 100 Count; Standard Turkey Tail and Wing Feathers; No Pointers; Wood Block; Detachable Ebonized Wood Handle.

Nos.	210	212	214	216	218
Feathers, in.	10	12	14	16	18
Wt. Doz., lbs.	4¾	6¼	6½	9	10½
Per Doz.	$6.00	9.00	10.70	12.50	14.50

One in a Mothproof Bag

COMPETITION

Full 80 Count; Turkey Wing Feathers; No Pointers; Wood Block; Detachable Handle.

Nos.	310	312	314	316	318
Feathers, in.	10	12	14	16	18
Wt. Doz., lbs.	5¼	6¼	6¾	8½	9
Per Dozen	$6 00	8.00	9.20	11.00	12.50

One in a Mothproof Bag

WOOL WALL DUSTERS

Frames—Flexible Steel Wire One-Piece Handle Socket.

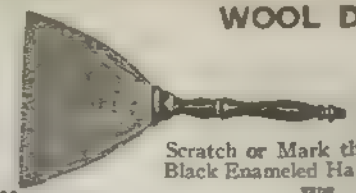
Wool—Canadian Lambskin, which will not Mat Down After Washing.

Handles—Two Polished Wood Handles Furnished with Each Duster; One 6 inches for Furniture and One 66 inches for Walls, Etc.

Nos.	1	2	3
Size, inches	12x7	13x8	16x10
Weight Dozen, lbs.	24	27	30
Per Dozen	$21 00	24 00	37.50

One in a Box

WOOL DUSTERS



Assorted Colors; Made of Long, Silky Wool from the Far North, with the Hide on which it Grew; Soft and Fleecy; will not Scratch or Mark the Finest Surfaces; Can be Washed; Black Enameled Handle.

Nos.	W7	W8	W9	W10
Length Wool, inches	7	8	9	10
Weight Dozen, lbs.	½	3	8¾	6
Per Dozen	$8 00	12 50	16.00	27.50

Twelfth Dozen in a Bag, One Dozen in a Box

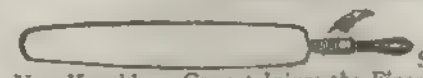
ROYAL BLUE AUTO

Made of High Grade Imported Wool, Well Filled and Very Strong; Held in Place by Reinforced Cuff; Soft and Fleecy; will not Scratch or Mark the Finest Surface; Black Enameled Handle Screws into Metal Head; Duster can be Washed.

Nos.	A	B	C	D
Length Wool, in.	7	8	9	10
Wt. Doz. lbs.	1½	3	3¾	4½
Per Dozen	$27 50	33.00	44 00	52 00

Twelfth Dozen in a Bag; One Dozen in a Carton

CARPET BEATERS



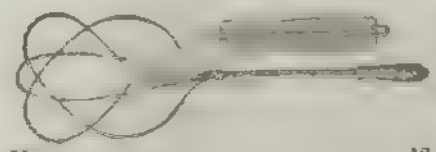
Spring Handle

Never Lames Your Arm; Every Stroke is Bounding. Never Burns Your Knuckles. Cannot Injure the Finest Rug; it is Perfectly Smooth. The Escaping Puff of Air Through the Open Loop Does the Cleaning. Fine for Mattresses and Bedding. The Handle is Screwed on. Can Not Come Off.

Per Dozen

No. SH—8 Gauge Galvanized Steel Wire; Stained Hardwood Handle; Length Over All 36 inches; Weight per Dozen 9 lbs. $5 00

Loose



Tinned Steel Wire; Hardwood Handle.

Nos.	12	11	10
Length, inches	28	32	36
Size of Box	10x12	10x14	10x15
Gauge Wire	12	11	10
Weight per Dozen, lbs.	6	7½	11
Per Dozen	$3 30	4.50	5 90

One Dozen in a Bundle

Braided Galvanized Steel Wires, 12 Gauge; Extending Through Handle; Plain Hardwood Handle.

Per Dozen

No. GB—Length 30 inches; Width 10 inches; Weight per Dozen, 7½ lbs. $3.10

One Dozen in a Bundle

Coppered Steel Spring Wire, 10 Gauge, Extending Through Handle; Plain Hardwood Handle.

Per Dozen

No. CL—Length 36 inches, Width 10½ inches; Weight per Dozen; 6¼ lbs. $3.00

One Dozen in a Bundle

Coppered Steel Wire; 10 Gauge, Extending Through Handle; Plain Hardwood Handle.

Per Dozen

No. CDH—Length 31 inches; Width 10½ inches; Weight per Dozen, 8 lbs. $2.80

One Dozen in a Bundle

HORSE BRUSHES

Oblong Shape; Size 7x2⅝ inches **Varnished Hardwood Block;** Black Patent Leather Hand Strap.

Per Dozen

No. 1150—1¼ inch **Fine Palmetto** Fiber; Weight per Dozen 6¾ lbs **$6 50**

No. 1154—1¼ inch **Palmyra** Fiber; Weight per Dozen 7 lbs. . . . **4 80**

One Dozen in a Box

Oval Shape; Solid Hardwood Back; Black Leather Hand Strap, 1¼ inch Palmico Fiber Stock.

Per Dozen

No. 300—Size 8¼x3⅛ inches; Weight per Dozen 7 lbs..... **$5.50**

One Dozen in a Box

SCRATCHERS

Oval Shape; Solid Hardwood Back; Black Leather Patent Hand Strap 1¼ inch Heavy Palmyra Fiber, Trimmed Penetrating.

Per Dozen

No. 301—Size 8⅛x3⅛ inches; Weight per Dozen 7 lbs.. .. .. **$4 50**

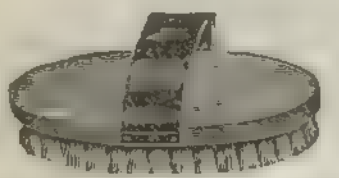
Half Dozen in a Box

Oval Shape; Plain Hardwood Block; Black Patent Leather Hand Strap; 1 inch White Tampico Stock.

Per Dozen

No. 1100—Size 9x3⅛ inches; Weight per Dozen 7½ lbs..... **$4 80**

One Dozen in a Package

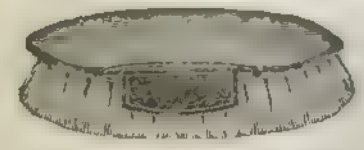


Oval Shape; Solid Hardwood Block; Black Leather Hand Strap 1¼ inch Palmyra Fiber Stock.

Per Dozen

No. 1102—Size 9x3⅛ inches; Weight per Dozen 7½ lbs..... **$4.80**

One Dozen in a Package



Shaped Hardwood Block; Russet Side Leathers; 1¾ inch Dandy Rice Root Stock.

Per Dozen

No. 1211—Size 10x2¾ inches; Weight per Dozen 10½ lbs.....**$11.50**

Half Dozen in a Box

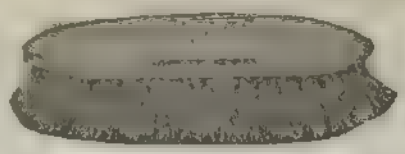
Per Dozen

No. 1222—2 inch **Palmyra Fiber;** Weight per Dozen 11¼ lbs.....**$7.20**

No. 1240—2 inch **Genuine Palmetto Fiber;** Weight per Dozen 10 lbs.....**12.00**

One Dozen in a Box

HORSE BRUSHES



POINTER

Wax Finish; Hardwood Block; 1¾ inch Ox Fiber Palmetto Stock.

Per Dozen

No. OX10—Size 10x3½ inches; Weight per Dozen, 10 lbs..... **$9.40**

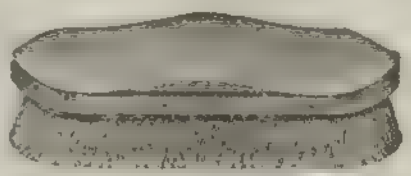
One Dozen in a Box

Varnished Hardwood Block; 1¾ inch Dandy Rice Root Stock

Per Dozen

No. 1207—Size 9¾x2¾ inches; Weight per Dozen 8 lbs.....**$9 00**

One Dozen in a Box



Hardwood Block; 1¾ inch Dandy Palmetto Fiber Stock, Extra Selected.

Per Dozen

No. 1200—Size 10x2¾ inches; Weight per Dozen 10⅜ lbs.....**$8.00**

One Dozen in a Box

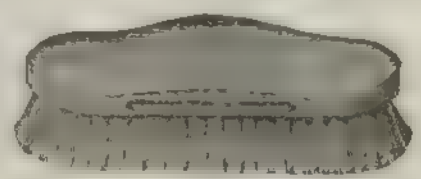
*BLACK PRINCE

Ebony Finished Hardwood Block; 1⅜ inch Palmetto Fiber.

Per Dozen

No. 1225—Size 9½x2⅝ inches; Weight per Dozen 8¼ lbs..... **$8 00**

Half Dozen in a Box

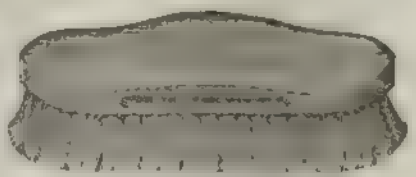


Varnished Hardwood Block; 1¾ inch Union Stock.

Per Dozen

No. 1200—Size 10x2¾ inches; Weight per Dozen 9 lbs..... **$8.20**

One Dozen in a Box



Varnished Hardwood Block; 1¾ inch Palmetto Fiber Stock.

Per Dozen

No. 1201—Size 9½x2⅞ inches; Weight per Dozen, 10 lbs..... **$6 20**

One Dozen in a Carton

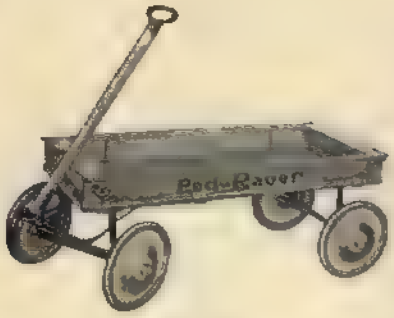
Waxed Hardwood Block; 1¾ inch Dandy Palmyra Fibre Stock, Extra Selected.

Per Dozen

No. 1230—Size 10x2¾ inches; Weight per Dozen 8¾ lbs..... **$5.20**

One Dozen in a Box

COASTER WAGONS



No. 736

Red Racer

Hardwood body, natural finished with red trimming and strongly reinforced. Channel steel gear. Interlocking fifth wheel. ½ inch cold rolled steel axles, oversize roller bearings. Double disc wheels with rubber tires.

No.	Body	Height	Wheels	Tires	Packed	Weight	Each
736	15x36 in	14 in.	10 in.	¾ in.	1	32 lbs.	$6.00

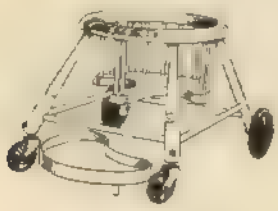
KIDDIE KART

Nos. 201 to 205

Selected hardwood, kiln dried. Steel gear. Tubular axles. Non-wobble steering. Disc steel wheels, roller bearings, rubber tires

No.	Body	Wheels	Packed	Weight	Each
201	9½x20 in.	4½ in.	2	7¼ lbs.	$3.00
202	10½x24 in.	5½ in.	2	10½ lbs.	4.00
203	12 x30 in.	6¼ in.	2	13½ lbs.	5.00
204	12 x30 in.	7¼ in.	2	16¼ lbs.	6.00
205	13 x32 in.	8¼ in.	2	22½ lbs.	7.00

KIDDIE TENDER



No. 1606

Kiln dried hardwood, old ivory finish. Ten spar varnish finished, colored beads. Removable tray.

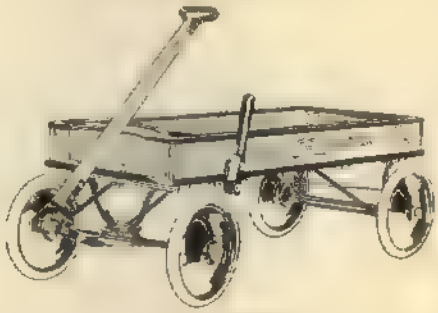
Cannot be tipped over by the child.

Casters, 2⅝ in. Roller bearing wheels, 4¾ in.

No.	Long	Wide	High	Weight	Each
1606	20 in.	17 in.	13 in.	7½ lbs.	$5.50

1 in carton

KIDDIE KOASTER



Nos. 605, 606

Kiln dried ash box with heavy steel rail. Baked enamel and varnish finishes. Steel gear. Automobile hub type brake. Double disc wheels with removable roller bearings, 1 inch rubber tires. Non-wobble steering.

No.	Body	Wheels	Packed	Weight	Each
605	14x34 in.	10 in.	1	38 lbs.	$10.50
606	16x38 in.	10 in.	1	43 lbs.	11.75

KIDDIE-KAR STROLLER

No. 1654

A combination Baby Walker, Tender and Kiddie-Kar

4½ inch front, 5¼ inch rear wheels with roller bearings and oversize tires.

Snap lock, adjustable length handle, instantly attached or detached to front or rear.

Nickel plated wire foot rest. Seat height 8½ in.

No.	Long	Wide	Packed	Weight	Each
1654	18 in.	8½ in.	1	11 lbs.	$6.00

ALBANY HARDWARE & IRON CO.

KIDDIE SCOOTERS

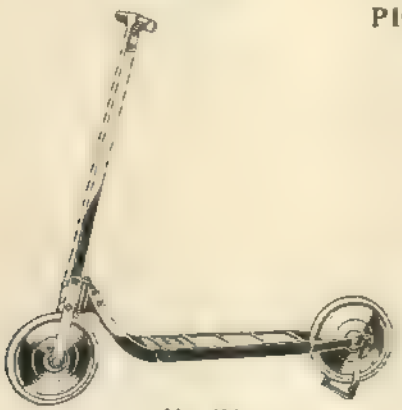
Nos. 801 to 803

...meled steel frame. Double disc steel wheels; removable, self-contained roller bearings in all but No 801. Automobile type hub brake on rear wheel. One piece tubular steering post with reinforced front fork and ...cycle type tubular head

Nos. 803 and 804 are exactly alike except that No. 804 has a rubber mat. ...engths, 40 in. Heights, foot boards to handles, 29 in

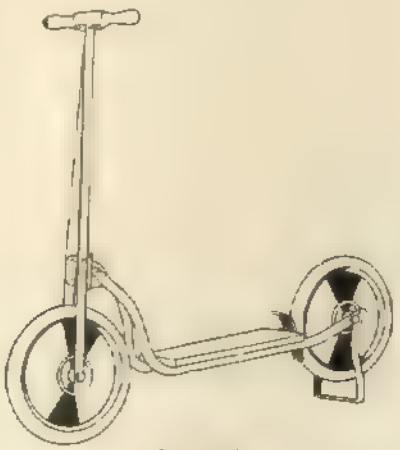
No.	Brake	Total Height	Wheels	Tires	Packed	Weight	Each
801	no	33 in.	8 in.	¾ in.	2	24 lbs.	$4.00
802	no	34 in.	10 in.	1 in.	2	30 lbs.	5.00
803	yes	34 in.	10 in.	1 in.	1	16 lbs.	6.50

PIONEER SCOOTERS



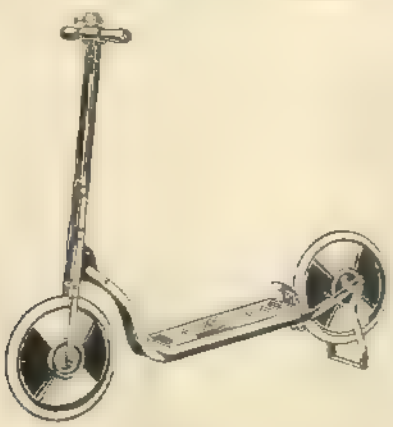
No. 103

...stand ...metal headed footboard are black ...ameled. Flat bearings. Disc wheels and fork are ...d. Wood steering post and cross handle



No. 109B

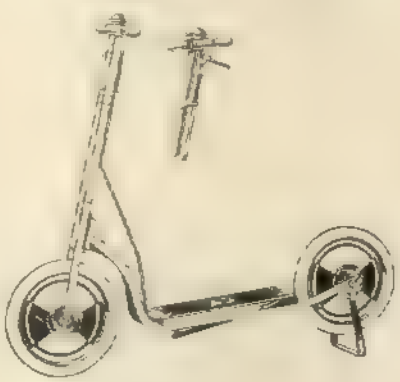
Fl... steel frame steering post and roller bearing disc wheels finished in carmine. Wood cross handle and footboard are natural finish. With foot brake.



No. 117B

Flat steel frame, steering post and roller bearing disc wheels finished in carmine. W... cross handle and rubber covered wood footboard.

Foot brake and bell are regular equipment.



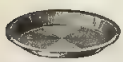
No. 124

Flat steel frame, steering post and roller bearing disc wheels finished in carmine. Wood cross handle and rubber covered wood foot board

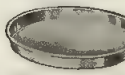
Hand brake and bell are regular equipment.

No.	Footboard	To Top of Handle	Wheels	Tires	Packed	Weight	Each
103	4½x13 in.	30 in.	7 in.	¾ in.	4	34 lbs.	$3.50
109B	5½x13 in.	30 in.	9½ in.	1 in.	2	36 lbs.	6.50
117B	5½x12½ in.	33 in.	10 in.	1¾ in.	2	37 lbs.	8.25
124	5½x12½ in.	33 in.	12 in.	1¾ in.	2	35 lbs.	10.50

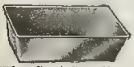
"RELIANCE" ALUMINUM WARE—Continued



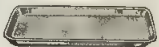
Pie Plates—21 gauge, 1¼ in. deep, natural finish, spun and cut. Wrapped. ½ doz. in pkg.
T3809—8¾ in.. .. Doz. **$2.25**
T3810—9¾ " .... " **2.80**



Jelly Cake Pans—Deep, natural bright finish. ½ doz. in pkg.
T3609—8¾x¾.. . Doz. **$2.30**
T3610—9¾x1.. . " **2.85**



Seamless Bread Pans—22 gauge. ½ doz. in pkg.
T3060—9¼x5¼x2¾
Doz. **$2.95**

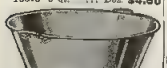


Rectangular Trays—Natural bright finish, tightly rolled, sanitary beads. ½ doz. in pkg.
T3626—12¼x10¼x1¾ Doz. **$6.95**
T3627—16¼x12 x¾ " **11.50**
T3628—27¼x15¾x¾ " **16.50**

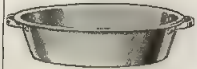
Mixing Bowls—20 gauge, deep shape. ½ doz. in pkg.
T3612—3 qt. .... Doz. **$4.50**

Deep Corn Cake Pans—20 gauge polished frames, 6 deep corn cake cups 1½ in. deep, holes for base 32. ½ doz. in pkg
T3706—11¾x7½.. .Doz **$6.40**

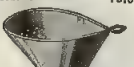
Tube Cake Pans—Rolled outside, sun-ray finish inside, sanitary bead. ½ doz. in pkg.
T3606—9 in. diam., 3¼ in. deep. Doz. **$4.20**



Deep Dish Pans—16 gauge riveted handles, wide edges. ½ doz. in pkg.
T3720—10 qt Doz. **$14.95**
T3724—14 " " **14.60**
T3727—17 " " **15.95**



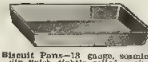
Oval Dish Pans—18 gauge, strong double riveted handles, tightly rolled sanitary bead. ½ doz. in pkg.
T3512—12 qt., 18¾x12½x4¼ Doz. **$21.00**



Sink Drainers—Heavily wired tops, wire handles. 1 doz. in carton.
Doz.
T3675—9¾x4¾, 2½ lbs **$3.20**
T3644—8¾x4, ... **2.25**

Corner Sink Drainers—18 gauge seamless, tightly rolled sanitary bead. ½ doz. in pkg.
T3679—10¾x8¾x2¾ Doz. **$5.95**

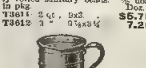
Footed Colanders—18 gauge heavy deep seamless bodies, 2 strong riveted aluminum feet and 2 side handles. ½ doz. in pkg
T3672—9½x4¾ ..Doz. **$ 8.40**
T3673—11½x5½ " **10.26**



Biscuit Pans—18 gauge, seamless, dip finish, tightly rolled sanitary bead, rounded edges and corners. ½ doz. in pkg
T3699—11¾x7¾x1½ ... **$3.95**

Pudding Pans—Seamless, deep shape. ½ doz. in pkg
Doz.
T3242—3 qt., 20 gauge. ..**$3.95**
T3244—4 " 18 " **5.25**
T3246—6 " 18 " **6.60**

Tube Cake Pans—20 gauge, tightly rolled sanitary beads. ½ doz. in pkg
Doz.
T3611—2 qt., 9x3.. **$5.75**
T3612—3 " 9¼x3¼ " **7.20**



Measuring Cups—Heavy gauge aluminum, dipped, riveted handle, graduated measurements in thirds and quarter pts., embossed on one side.
T3568—½ pt. 1 doz. in box
Doz. **$1.20**

Colanders—20 gauge, heavy, seamless body. ½ doz. in pkg
T3674—11x4½ in..Doz. **$10.50**

Stove Roasting Pans—20 gauge, seamless, round corners, heavily wired drop handles, wrapped. ½ doz. in pkg.
Doz
T3514—12¼x10½x2. **$10.50**

Dippers—22 gauge, riveted hollow handles. 1 doz. in box
T3770—1 pt .. Doz. **$2.25**

Tube Cake Pans—20 gauge, turban style, removable bottom, tightly rolled sanitary bead ½ doz. in pkg.
T3635—9x3½x3.. .Doz. **$7.20**

Measuring Cups—Heavy gauge aluminum, dipped, riveted handle, graduated measurements in thirds and quarter pts., embossed on one side.
T3568—½ pt. 1 doz. in box
Doz. **$1.20**

Graduated Measures—22 gauge, graduated, riveted handles. ½ doz. in pkg.
T3215—1 qt. . Doz. **$7.20**

Milk Kettles—20 gauge, seamless, aluminum cover, wire bail ½ doz. in carton.
T3071—1 qt Doz. **$5.40**
T3072—2 " " **7.20**

Syrup Pitchers—20 gauge, 5¼ in. high, highly polished spring covers with aluminum handles, spouts lip furrow to catch drippings, lip can be removed for cleaning and refilling. ½ doz. in pkg
T3371—1 pt Doz. **$5.40**

Water Pitchers—17 gauge, seamless, shaped handle, riveted. ½ doz. in pkg
T3778—2½ qt. Doz. **$12.50**

Hot Water Bottles—Seamless, concave sides to fit body seamless, screw tops with rubber washers, each in flannel bag in box ½ doz in pkg
T3920—9x6¾ in Doz **$23.90**

Combination Funnels—22 gauge metal, 6 pcs., can be used for fruit jar funnel, strainer, dipper, funnel, etc. ½ doz. sets in pkg.
T3914—1 pt. Doz., sets **$2.75**

This Trademark Tag on each piece of "RELIANCE" Aluminum Ware

"DIAMOND" PATTERN ALUMINUM WARE

Each Piece Stamped "Reliance"

T3785—Diamond pattern, 18 gauge, 99% pure aluminum, highly polished outside, sun ray finish inside, aluminum cover on covered items, ebonoid knobs, retinned handles, each piece stamped "Reliance" and wrapped. Asstd. ½ doz. each of the following

11½ in. Roasters.
8 qt. Lipped Preserve Kettles.
4 " Convex Sauce Pans.
6 " Convex Kettles.
2 " Rice Boilers.
3 " Lipped Sauce Pans

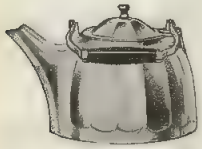
Asstd. 1 doz. in shipping carton.

$12.95

Asst.

CAST ALUMINUM WARE

"GUARANTEED NOT TO CRACK, CHIP OR BURN" cast on bottom of each piece. Rapid sellers and good profit payers. Keep up your stock on these items



TEA KETTLES

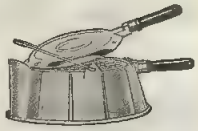
Extra large shape, no sharp outside, flat bottoms, nickeled heavy steel wire bails run through black enameled handles. Patented covers, cannot drop off. Each in shipping carton.

T8457—No. 7, cap. 6 qt. ..... Each, **$3.75**
T8458— " 8, " 8 " ..... " **4.10**
T8469— " 9 " 8 " ..... " **4.50**

SKILLETS OR SPIDERS

Two lipped, polished inside and out, retinned steel rods through black enameled handles, aluminum shanks cannot burn, hooks for hanging. 3 in shipping carton.

T8187—No. 7 ..... Each, **$1.95**
T8188— " 8 ..... " **2.10**
T8189— " 9 ..... " **2.40**



WAFFLE MOLD

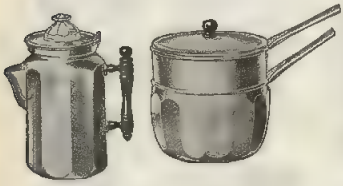
All aluminum, construction satin and polished finish, ebonized wooden handles with long ferrules to prevent burning, pans held together by revolving ball hinge with locking device, squared handle shanks to prevent pans tipping. 1 in carton.

	Diam. baking surface	Base	Height
T8460	7¾ in.	10 in.	3½ in. ..... Each, **$4.25**

"DOLLAR BILL" ASSORTMENT

HIGH GRADE ALUMINUM WARE

We bought one big lot of these goods, an amount that no other jobber would care to attempt. It's an astounding offer and a wonderful opportunity for you if you want big business in a hurry.

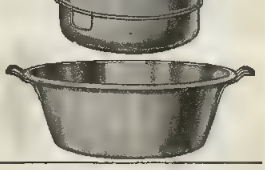


T360—High grade aluminum utensils. Asstd. ¼ doz. each of the following items:

8 qt. Preserve Kettles.
2 " 8 cup Percolators.
1½ " 6 cup Paneled Percolators.
6 " Paneled Preserve Kettles.
5 " Tea Kettles.
8 " Water Pails.
2¼ " Double Boilers.
Combination Double Roasters.
10 qt. Dish Pans.
1½ " Paneled Double Boilers.

Asstd. 2½ doz. in case, 85 lbs.

ASST. **$23.99**



"MANNING-BOWMAN" PERCOLATORS

Straight Body—"Meteor," seamless, welded spout, hot water pump. 1 in carton.

T9093—8 cups..... Each, **$2.25**

Plain Tapering Body—Seamless, welded spout, patent cold water pump. 1 in carton.

T9092—6 cups..... Each, **$3.25**
T9093— 8 " " " **4.00**
T9094—11 " " " **4.35**

Paneled Sides—Seamless, new style, easy to clean, patent cold water pump. 1 in carton.

T9202—6 cups..... Each **$3.40**
T9203—9 " ..... " **3.80**

Colonial Paneled Body—Seamless, welded spout, patent cold water pump. 1 in carton.

T9192—6 cups Each **$3.75**
T9193— 8 " " **4.40**
T9194—11 " " **4.80**
T9195—13 " " **5.20**

ALUMINUM PERCOLATORS

Tapering Shape Percolators—Aluminum body, patent pump, ebonized handle. Two good sellers you should stock. 1 in carton.

T866—6 cups Each. **$3.10**
T869—9 " " **3.50**

Fancy Shape Percolators—Ebonized handle, aluminum vacuum tube and filler cap. 1 in carton.

T976—6 cups. Each **$3.60**

"STEEL-CLAD" FIRELESS STOVES

Cook, Bake and Roast

Outer casing of heavy polished steel, finished in battleship gray enamel, lining pure aluminum, will not rust, corrode or warp, black enameled side handles, hinges and lid catches, cover tightener prevents steam escaping, automatic steam vent in covers, 4 casters and cook book with each cooker; pure aluminum cooking utensils. Aluminum bound-folding discs.

T1036—1 well, 15¼x14½x18, aluminum cooking vessels, one 4 qt. and one 8 qt., 2 large baking and roasting discs, disc lifter, folding baking rack, aluminum mat, cook book. Complete without legs. 1 in crate 55 lbs. Each. **$10.75**

T1055—2 wells, 28x12½x18, has greater cooking capacity than other fireless stoves, 4 aluminum cooking vessels, one 10 qt., one 4 qt., two 2 qt., 3 large baking and roasting discs, disc lifter, folding baking rack, aluminum mat, cook book. Complete without legs. 2 in crate, 85 lbs. Each, **$16.75**

Less of 3. " **15.75**

T1057—3 wells, 40x14½x18¾, 6 aluminum cooking utensils, one 12 qt., one 8 qt., one 6 qt., two 2 qt., and one 4 qt. deep vessels for center well, 3 large baking and roasting discs, disc lifter, 2 folding baking racks, aluminum mat and cook book. Complete without legs. 1 in crate, 1.25 lbs. **$22.50**

Steel Legs—Fits all the above stoves. Complete with screws. T1058—1 set in carton, 35 lbs. SET (4 pcs.) **$1.50**

Baking and Roasting Discs—Aluminum bound. To fit all wells of above stoves.

T1047 1 in pkg. Each, **70c**

U. S. REVOLVERS

DOUBLE ACTION, rubber stock.

Shoots 22 short or long rim fire, 32 S. & W. and 38 S. & W. cartridges.

22 CALIBER, 7 SHOTS
NICKEL PLATED, RIM FIRE.
No. 1622—2½ in. barrel, w't 8 ozs. .....each $6.40

32 CALIBER, 5 SHOTS
NICKEL PLATED, CENTER FIRE.
No. 1632—2½ in. barrel, w't 12 ozs. .....each $6.40

38 CALIBER, 5 SHOTS
NICKEL PLATED, CENTER FIRE.
No. 1638—2½ in. barrel, w't 17 ozs. .....each $6.40

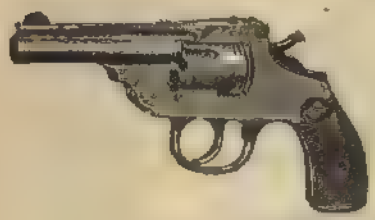
DOUBLE ACTION, automatic, hammerless, rubber stock.

Shoots 32 S. & W. short and 38 S. & W. Center fire cartridges.

U. S. revolvers are guaranteed durable, made of the best material, correctly adjusted, and in every respect effective and accurate.

32 CALIBER, 5 SHOTS
NICKEL PLATED.
No. 2532—3 in. barrel, w't 14 oz. .....each $15.50
BLUED.
No. 2532B—3 in. barrel, w't 14 oz. .....each $15.50

38 CALIBER, 5 SHOTS
NICKEL PLATED.
No. 2538—3 in. barrel, w't 16 oz. .....each $15.50
BLUED.
No. 2538B—3 in. barrel, w't 16 oz. .....each $15.50
ONE IN A BOX



DOUBLE ACTION, automatic, hammer, rubber stock.

Shoots 22 short or 22 long rim fire, 32 S. & W. short, center fire and 38 S. & W. center fire cartridges.

22 CALIBER, 7 SHOTS
NICKEL PLATED.
No. 2722—3 in. barrel, w't 13 oz. .....each $14.00
BLUED.
No. 2722B—3 in. barrel, w't 13 oz. .....each $14.00

32 CALIBER, 5 SHOTS
NICKEL PLATED.
No. 2732—3 in. barrel, w't 13½ oz. .....each $14.00
BLUED.
No. 2732B—3 in. barrel, w't 13½ oz. .....each $14.00

38 CALIBER, 5 SHOTS
NICKEL PLATED.
No. 2738—3 in. barrel, w't 19 oz. .....each $14.00
BLUED.
No. 2738B—3 in. barrel, w't 19 oz. .....each $14.00

STEVENS OFF-HAND TARGET PISTOL

MODEL 35

Barrel—Round with octagon breech, blued finish.

Stock—Selected black walnut.

Sights—Sporting Rear and Bead Front.

Ammunition—22 Long Rifle.

No. 356—.22 Caliber Long Rifle, 6 in. barrel, w't about 1 lb. 6 ozs. .....each $18.60

No. 358—.22 Caliber Long Rifle, 8 in. barrel, w't about 1 lb. 8 oz. .....each $20.00

ONE IN A BOX

REMINGTON DERRINGERS

RIM FIRE, checkered, rubber stock, length over all 4¾ in.

Shoots 41 short rimfire cartridges. Vest pocket size, especially handy for street protection. Gives two heavy calibered shots at short notice.

41 CALIBER, 2 SHOTS
BLUED.
No. 4B—3 in. barrel, w't 11 oz. .....each $18.00
ONE IN A BOX

OUR VERY BEST

Our Very Best for Fifty Year
Has Stood the Test

PISTOL STOCKS

PEARL

No. 30—For H. & R. automatic hammer, 32 and 38 caliber, per pair ...$3.00

No. 30A—For H. & R. hammerless, 38 caliber .....per pair $3.00

No. 30B—For H. & R. Premier hammer, 22 and 32 caliber, per pair $2.70

No. 30C—For H. & R. hammerless, 22 and 32 caliber ...per pair $2.70

No. 31—For U. S. hammer, 22 and 32 caliber .....per pair $2.90

No. 31A—For U. S. hammer, 38 caliber .....per pair $3.00

No. 31B—For U. S. hammerless, 32 caliber .....per pair $2.90

No. 31C—For U. S. hammerless, 38 caliber .....per pair $3.00

No. 32—For Iver Johnson D. A., 22 or 32 caliber, automatic hammer 22 or 32 caliber or hammerless, 32 caliber, per pair $2.90

No. 32A—For Iver Johnson automatic hammer and hammerless, 38 caliber, per pair $3.00

No. 33B—For Smith & Wesson hammerless, 32 caliber ..per pair $3.00

No. 33C—For Smith & Wesson hammer or hammerless, 38 caliber, or side ejector, 32 caliber, per pair $3.00

No. 34—For S. & W. military revolvers, 32-20 or 38 caliber, Model 1902, round butt.....per pair $6.00

No. 35—For Smith & Wesson, military and police, 32-20 and 38 caliber, Model 1905, square butt, per pair $9.00

No. 36—For 44 caliber Smith & Wesson Military square butt model revolver .....per pair $9.80

PEARL

No. 41—For Colt's New Police, 32 and 38 caliber, and Police Positive Special, 32-20 or 38 caliber, per pair $7.50

No. 44—For Colt's Army Special revolvers, 32-20, 38 and 41 caliber or New Officers' model 38 caliber, per pair $10.70

No. F70—For Colt's S. A. army or frontier revolvers, 32, 38, 41, 44 or 45 caliber★ .....per pair $18.50

No. 96—For Colt's automatic, 32 or .380 caliber .....per pair $7.50

No. 97—For Colt's automatic, 25 caliber .....per pair $5.30

No. F80—For Colt's Bisley model single action revolvers, 32, 38, 41, 44 45 caliber★ per pair ...$27.00

No. F80.

PEARL

No. F15—For Young America hammer and safety hammer, 22 and 32 caliber .....per pair★ $2.70

No. F16—For Young America, safety hammer, large frame, 32 and 38 caliber, and America, 32 and 38 caliber★ .....per pair $2.70

No. F10—For Remington derringers, 41 caliber★ .....per pair $3.00

TARGET GRIP

RUBBER TARGET GRIP STOCKS

No. 1—For H. & R. Premier, 22 and 32 caliber and model 1906-22 and 32 caliber revolvers, per pair $1.80

No. 3—For H. & R. 32 and 38 automatic double action; 32 and 38 hammerless and model 1904 double action revolvers ....per pair $1.80

ONE PAIR IN A CARDBOARD BOX

PERFECT RUBBER TARGET GRIPS

FOR IVER JOHNSON REVOLVERS

No. 7—For 22 caliber and 32 caliber 5 shot hammer, or hammerless, loose .....per pair $1.20

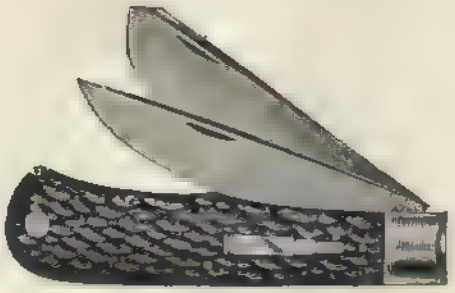
No. 8—For 32 caliber 6 shot and 38 caliber hammer, or hammerless, loose .....per pair $1.20

LOOSE

When Ordering Parts Specify Model and Caliber of Gun.
★ Items Marked Thus ★ Are Shipped from Factory Only.

REMINGTON KNIVES

FISHERMAN'S, HUNTER'S, TRAPPER'S AND BOY SCOUT'S



R 1123

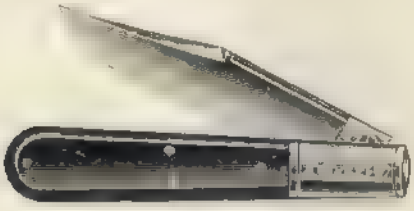
Hunter's and trapper's, stag handle, two blue glazed and etched blades, brass lined, nickel silver bolster

Packed, ½ doz., weight, 2½ lbs.....per doz., **$30.00**

R 1306

Hunter's knife, genuine English stag handle, one crocus polished and etched blade, nickel silver lining, nickel silver bolster.

Packed, ½ doz., weight, 1¾ lbs... .. ...per doz., **$40.50**



RB 1240

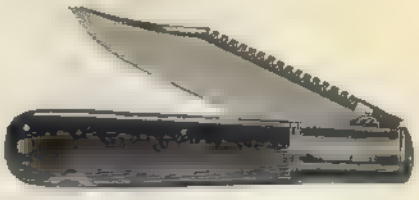
Fisherman's knife, bone handle, one blue glazed blade, steel lining, steel bolster

Packed ½ doz., weight, 1⅝ lbs.....per doz., **$13.50**

R 1613

Fisherman's knife, stag handle, one blue glazed and etched blade, brass lining, nickel silver bolsters.

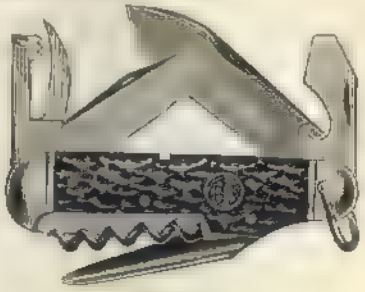
Packed, ½ doz., weight, 1¼ lbs..... per doz., **$18.00**



RB 1630

Fisherman's knife, bone handle, one blue glazed blade, steel lining, steel bolster

Packed ½ doz., weight, 1½ lbs per doz., **$24.00**



R 3843

Sportsman's knife, stag handle, two crocus polished and etched blades, punch blade, screw driver, cork screw, cap lifter and can opener, brass lining, nickel silver bolsters

Packed, .. doz., weight, 1⅝ lbs... per doz., **$42.00**

R S4233

Junior Official Scout knife, stag handle, one crocus polished and etched blade, punch blade and screw driver, cap lifter and can opener, nickel silver lined, nickel silver bolsters.

Packed, ½ doz., weight, 1 lb per doz. **$21.00**

RS 3333

Official Boy Scout knife, stag handle, spear blade crocus polished and etched, punch blade blued and polished, other blades blue glazed, screw driver, cap lifter and can opener, brass lining, nickel silver bolsters.

Packed, ½ doz., weight, 1⅝ lbs.....per doz., **$21.00**

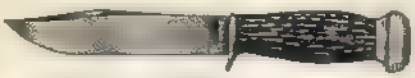
ALBANY HARDWARE & IRON CO.

SHEATH KNIVES

Nos. RH28, RH29

Blades forged from special crucible cutlery steel. Engraved solid hard rubber handles.

No.	Blade	Over All	Packed	Weight	Each
RH28	4½ in.	8½ in.	1	8 oz.	**$2.00**
RH29	5 in.	9 in.	1	8 oz.	**2.25**



No. RH290

Blade forged from special crucible cutlery steel. Indestructible Novo-stag solid handle.

No.	Blade	Over All	Packed	Weight	Each
RH290	5 in.	9 in.	1	8½ oz.	**$2.25**

No. RH30

Double sabre blade forged from special crucible cutlery steel. American bone stag handle, nickel silver guard.

No.	Blade	Over All	Packed	Weight	Each
RH30	5¾ in.	10 in.	1	9 oz.	**$3.00**

No. RH31

Blade forged from special crucible cutlery steel Handle made of leather, brass and colored fibre discs.

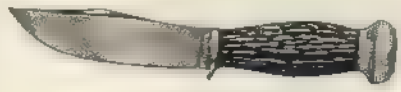
No.	Blade	Over All	Packed	Weight	Each
RH31	3⅞ in.	7¾ in.	1	6 oz.	**$2.50**

This is the type of Sheath furnished with Remington Sheath knives shown here. We do not carry extra Sheaths in stock, but will gladly supply same from factory.

No. RH32

Blade forged from special crucible cutlery steel. Handle made of leather, brass and colored fibre discs.

No.	Blade	Over All	Packed	Weight	Each
RH32	4½ in.	8½ in.	1	8 oz.	**$2.75**



No. RH320

Blade forged from special crucible cutlery steel Indestructible Novo-stag handle.

No.	Blade	Over All	Packed	Weight	Each
RH320	4½ in.	8½ in.	1	8 oz.	**$2.50**

No. RH34

Blade forged from special crucible cutlery steel Handle made of leather, brass and colored fibre discs

No.	Blade	Over All	Packed	Weight	Each
RH34	5 in.	9⅜ in.	1	11 oz.	**$3.50**

No. RH36

Blade forged from special crucible cutlery steel Handle made of leather, brass and colored fibre discs.

No.	Blade	Over All	Packed	Weight	Each
RH36	6¼ in	10¾ in.	1	12 oz.	**$4.00**

REMINGTON POCKET KNIFE ASSORTMENTS

In individual gift boxes

RP 123

An assortment of 12 selected knives five with three blades; six with two blades; one junior scout knife; all with stag handles and nickel silver bolsters.

Packed, in carton, weight, 2 lbs..... each, **$18.00**

RP 135

An assortment of 12 selected knives, five with three blades: five with two blades; one with one blade and manicure file; one junior scout knife; all with pyremite handles, assorted colors and nickel silver tips or bolsters.

Packed, in carton, weight, 2 lbs.....each, **$19.15**

RP 144

An assortment of 12 selected high lustre pearl handle knives, three with two blades and manicure file; six with two blades; three with one blade and manicure file; eight have bail or shackle and all are nickel silver lined.

Packed, in carton, weight, 1¼ lbs.....each, **$31.50**

RP 154

An assortment of 12 selected high lustre pearl handle knives, one with four blades; four with three blades; three with two blades and manicure file; three with two blades; one with one blade and manicure file; all are nickel silver lined

Packed, in carton, weight, 2 lbs.....each, **$39.25**

We add to our pocket knife assortments every season, continually keeping our line up to date, we request that you ask our salesman to display his samples.

REMINGTON POCKET KNIVES

No. RJ6

Twelve knives in assorted types of blades and kinds of handles.

Packed, in box, weight, 2¼ lbs. .. ....each ass't, **$9.00**

No. RJ4

This assortment of 12 knives varies in types of blades and handles.

Packed, in carton, weight, 2⅜ lbs. .. .each ass't, **$12.00**

No. RK12

Made of a nickel plated brass Remington cartridge with a high quality steel blade in the bullet. On display card with easel back

Packed, in carton, weight 15 ozs. .....each card, **$3.00**

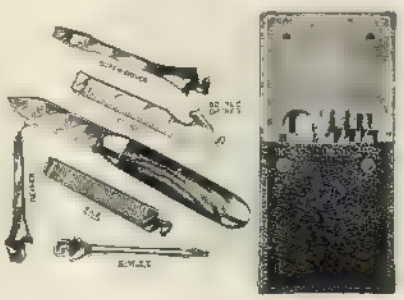
REMINGTON POCKET KNIFE SHOW CASE

No. 36

This is not an assortment proposition. Case is mahogany finished wood; double strength glass front, brass trim, hinges and catches. Green velveteen lined, removable display tray holds 36 knives up to 4 inches long, closed. Three shelves in back for reserve stock. Our salesman will explain how to obtain one.

Wide	High	Base	Packed	Weight	Each
15 in.	13¾ in.	10⅝ in.	in carton	12 lbs.	**$15.00**

POCKET KNIFE TOOL KIT



No. 270

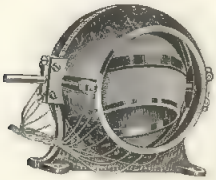
Cocoa handle knife with high grade steel blade and five nickel plated tools of seven uses. Length of knife opened, 6½ inches. Size of kit 3x4½ inches, in black leather case.

Packed, in carton, weight, 5 oz.....per doz., **$30.00**

VARIOCOUPLERS

PIONEER

TYPE PM-2



The Pioneer Variocoupler is molded of genuine bakelite. It is a single layer wound instrument, wound on inside, which gives it the advantage of reducing the electrostatic capacity, also protecting the wires with its molded shelf of bakelite This method of wiring also allows accurate spacing between the primary and secondary windings, which gives greater inductance, less resistance, etc. It is balanced perfectly on a wave length ranging from 200 to 900 meters.

The Pioneer Variocoupler is supported, when mounted on a table mounting, by bakelite support legs. From an electrical standpoint this is an added feature

Finished in mahogany and black

No.		Each
PM-2-VC—Pioneer Variocoupler	.....	.....$7 00

Dials Not Included.

One in a box.

REMLER 180°

NO. 503

Wave Length Range From 180 to 570 Meters

The coupling range is 180 degrees instead of 90 degrees. Primary winding green silk covered wire wound on fibre tube, 4-inch diameter by 2¾ inches deep. Ten taps are provided. Secondary rotor molded from Bakelite. The bearing construction, of special design, is extremely rigid and is backed up with spring tension to insure perfect electrical contact at all times. Primary mounted at an angle of 45 degrees on wooden base, 4x3x⅜ inches. Can be readily mounted on either table or panel. Primary 50 turns. Secondary: 40 turns. Shaft, ¼-inch diameter. Rotor, 3⅝-inch maximum diameter. Over all height, including base, 5¼ inches; total width, not including shaft extension, 4⅞ inches. This coupler will tune over a range of 180 to 570 meters with secondary variometer, and with a secondary condenser of .001 mfd., it will tune to 700 meters.

No.		Each
503—Remler Variocoupler	.....	.....$4.50

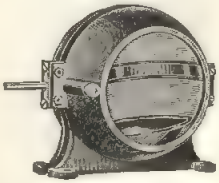
Dials Not Included.

One in a box.

VARIOMETERS

PIONEER

TYPE PM-2



Designed as a companion to the Pioneer Variocoupler. It is made of genuine bakelite and finished in mahogany and black.

The Pioneer Variometer is supported, when mounted on a table mounting, by bakelite support legs. From an electrical standpoint this is an added feature

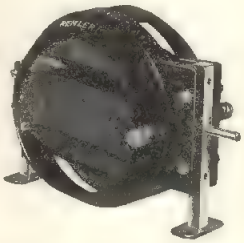
No.			Each
PM-2-VM—Pioneer Variometer	.....	...	$6 50

Dials Not Included.

One in a box.

REMLER

MOLDED BAKELITE—NO. 500



Wave Length Range From 180 to 570 Meters

With Internal Pig Tail Connections

The improved No. 500 Remler Variometer is molded entirely of Bakelite, insuring mechanical strength and accuracy of all dimensions and does not permit warping nor shrinking. The stator is molded in two halves with primary winding molded on the inside, insuring an absolutely rigid winding. Stator carries 60 turns No. 21 green silk covered wire, rotor 60 turns No. 20 green silk covered wire. Large dimensions make possible the use of lower resistance windings. Maximum stator diameter, 5¼ inches; maximum rotor diameter, 4 inches; width across stator, 3 inches; shaft, ¼-inch diameter. Bearing bound up with spring tension Terminals are polished nickel binding posts. Panel or table mounting.

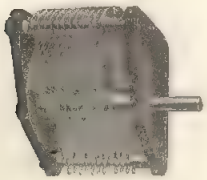
No.		Each
500—Remler Variometer	.....	.....$7.50

Dials Not Included.

One in a box.

VARIABLE CONDENSERS

U. S. L.



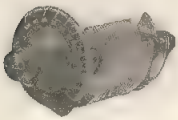
Rigid construction so that the original adjustment is maintained. Bakelite insulation throughout. Accurate spacing of the special spring aluminum plates.

No. of plates	Capacity	Each
13	.00025 mfd	$2.10
17	.00035 mfd	2.20
23	.0005 mfd	2 40
43	.001 mfd.	3.10

Dials Not Included.

One in a box

U. S. L. VERNIER



These condensers have an independent Vernier control. The Vernier does not rotate with the main rotor plate. The Vernier arrangement eliminates body capacity

Rigid construction, so that the original adjustment is maintained. Bakelite insulation throughout. Accurate spacing of the special spring aluminum plates

Lowest dielectric losses, proven by laboratory tests

Complete with 3-inch dial and Vernier knob

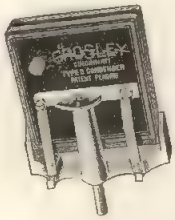
U. S. L. Vernier Variable Condensers

No. of plates	Capacity	Each
17	00035 mfd.	$4.60
23	.0005 mfd...	5 00
43	001 mfd.	5 60

One in a box

CONDENSERS

CROSLEY



The Crosley variable condenser has been so designed as to provide direct positive metallic contact with the charging plates of the condenser, thus eliminating the serious contact resistance which is introduced by spring and friction contacts in the usual form of variable condenser. The internal resistance caused by imperfect contact between the plates and spacing washers of the rotary and stationary members of an interlocking condenser is entirely eliminated in the Crosley condenser.

Not only has the Crosley condenser many factors designed to improve the over all electrical efficiency but the arrangement of the plates is such that a minimum electric field is produced around the condenser. This condition is of most vital importance where the condensers are employed in circuits which require very delicate and precise adjustment.

With condensers of the usual type the stray electric field is quite strong for the distance of three or four inches from the plates. When the operator's hand is placed in this field the capacity of the condenser is naturally altered, thereby preventing the proper resonant adjustment of the receiving circuit to the most efficient position. In the Crosley condenser, however, this objectionable feature is completely removed. A demonstration of the fact can be made by moving the hand over the condenser while sharply tuned to a transmitting station without the least reduction in signal strength.

The Crosley condenser depends upon a thin sheet of high dielectric material as insulation between the plates. As there is no friction from the opening and closing of the plates, the insulation will last as long as the condenser

Our tests have shown the maximum capacity to never be less than .0008 Mf. Thus frequency runs better than 001 Mf. We conservatively rate these at .0005 Mf.

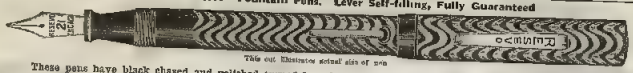
Each Crosley variable condenser is carefully tested to withstand one thousand volts before shipment.

	Each
Type D Condenser (Dials not included)	$2 25

One in a box

FOUNTAIN PENS PENCIL & PEN SETS

The Famous "Reservo" Fountain Pens. Lever Self-filling, Fully Guaranteed



This cut illustrates actual size of pen

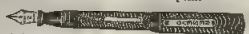
These pens have black chased and polished turned barrel, safety screw cap, 14k gold pen and iridium point

Full Length, 3¼ In 1 in box

J5082—No. 2 pen, nickel pocket clip — Each, **$1.60**
J5084—No. 3 pen, gold filled pocket clip and lever — " **2.40**
J5085—No. 4 pen, gold filled clip and lever — " **2.65**

Full Length, Gold Filled Mounting, 5¼ In—Gold filled band, pocket clip and lever.

J5089—No. 3 pen, 1 in box — Each, **$2.40**
J5091—No. 4 pen, 1 in box — " **3.10**



Vest Pocket Size, 4¼ In—

J5086—No. 3 pen, nickel pocket clip and lever, 3 in box — Each, **$1.65**
J5087—No. 3 pen, gold filled pocket clip and lever 1 in box — " **2.40**

Short Length with Ring Attachment, 4¾ In—

J5088 No. 3 pen, gold filled lever and ring attachment 1 in box — Each, **$1.65**
J5095—No. 3 pen, gold filled band, lever and ring attachment 1 in box — " **2.40**

PARKER "LUCKY CURVE" FOUNTAIN PENS—Safety Self-Filler

This cut illustrates actual size of pen

Length 5¼ in Jack knife safety seal self-filler chased barrel with clip, non-leakable, 14k gold pen hard iridium point. Guaranteed by manufacturer for one year

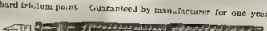
J5017—No 2 pen full length — Each, **$1.80**

J5024—No 3 pen, gold filled ring attachment — Each, **$2.10**

J5018—No. 3 pen full length — Each, **$2.25**

J5019—No. 4 pen, full length — Each, **$3.00**

J5051—No 3 pen, polished gray ivorine holder, black ends, gold filled ring attachment — Each, **$3.00**



J5020—No. 5, full length — Each, **$3.65**

PARKER "DUOFOLD" FOUNTAIN PENS—Safety Self-Filler

Red Chinese lacquer effect barrel black ends screw cap gold filled pocket clip 14k gold pen, hard iridium point guaranteed for 25 years

J5027 Full size, 5¼ in — Each, **$5.25**
Lots of 3 or more, " **4.67**

J5028—"Junior" 4¾ in — **3.75**
Lots of 3, " **3.34**

"RAINBO TOP" SELF-FILLING FOUNTAIN PEN ASSORTMENTS—On Display Card—Fully Guaranteed

There is a big demand for Fountain Pens with colored tips This is an exceptional value and will bring many repeat orders for you

J5063

J5064

J5025

These pens illustrate actual size of pens.

2 styles, full length, 5¼ in. with pocket clip, short length 4¼ in with ring attachment of cap. Large size 14K gold pen with iridium points, safety screw cap

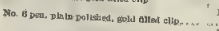
J5035—Assorted 6 long and 2 short on display card — Doz. **$8.50** | J5034 1 doz. for 2 style only on display card — Doz. **$8.50** | J5035—1 doz short style only on display card — Doz. **$8.50**

THE MARVELOUS "DUNN-PEN"

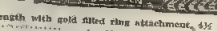
Large Ink Capacity—No Rubber Sack—Cleans As It Fills

Black chased and polished turned barrels, safety screw cap, 14k gold pen, iridium point Guarantee and directions enclosed with each pen. Each in box

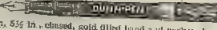
J5067—3½ in., No. 2 pen, chased, nickel pocket clip — Each **$1.75**
J5068—4¼ in., Junior size, No. 2 pen, chased, gold filled clip — Lots of 12, " **1.65**
J5071—5¼ in., No. 4 pen, chased, gold filled clip — Lots of 12, " **2.00**
J5073—5¼ in., No. 6 pen, plain polished, gold filled clip — Lots of 12, " **1.80**
Lots of 12, " **2.40**
Lots of 12, " **3.95**
Lots of 12, " **3.60**



J5065—Short length with gold filled ring attachment, 4½ in., No. 2 pen, chased, — Each, **$2.00**
Lots of 12, " **1.80**

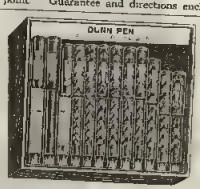


J5070—No. 2 pen, 5½ in., chased, gold filled band and pocket clip — Each, **$2.40**
Lots of 12, " **2.25**



Transparent Barrel—Tells ink supply at a glance, gold filled clip, plain polished cap

J5072—5¼ in., No. 4 pen — Each, **$3.10**
J5074—5¾ in., No. 6 pen — Lots of 12, " **3.00**
Lots of 12, " **4.65**
Lots of 12, " **4.50**



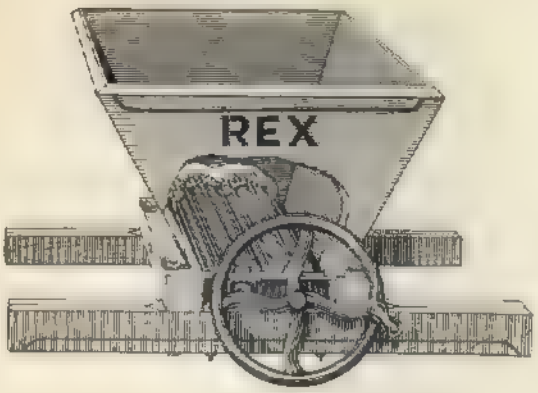
DUNN-PEN ASSORTMENT

J5075—Comprises the leading sellers of this line Velvet lined wood display tray plaster camel display stand and window display advertising with each asst. Asst consists of the following pens, listed on next page

	Your cost Each, $1.65	Retail Each $2.75
3—J5067	" 1.80	" 3.00
2—J5068	" 1.80	" 3.00
1—J5065	" 2.25	" 3.75
1—J5070	" 2.40	" 4.00
2—J5071	" 3.00	" 5.00
1—J5072	" 3.60	" 6.00
1—J5074	" 4.50	" 7.50

Total retail price ..... $47.50 — YOUR COST Your profit $19.00 — **$28.50**

GRAPE GRINDERS



No. 1 Rex

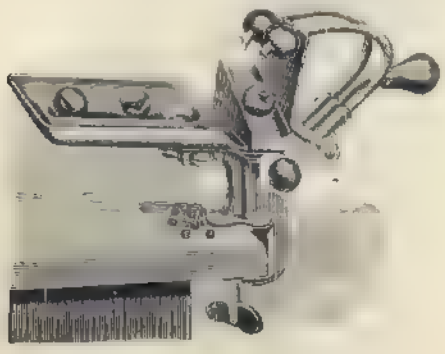
Adjustable cast iron corrugated rolls. Geared. Heavy balance wheel. Large hopper.

No.	Capacity	Packed	Weight	Each
1	1 bushel	1	85 lbs.	$18.00

CHERRY STONERS

No. 1

Regulating device, adjusts for different sized fruit
Packed, ½ doz., weight, 32 lbs.....per doz., $15.00



Family

Each stroke stones two cherries, does not mash fruit
Packed, 1 doz., weight, 24 lbs.....per doz., $15.00

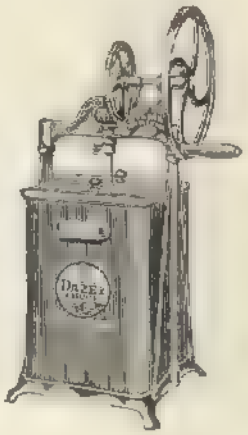
DAZEY CHURNS

Nos. 20 and 40

No.	Holds	Packed	Weight	Per Doz
20	2 qts.	½ doz.	30 lbs.	$21.00
40	4 qts.	⅓ doz.	28 lbs.	30.00

Jars Only

Churn	Holds	Packed	Weight	Per Doz.
No. 20	2 qts.	½ doz.	19 lbs.	$7.20
No. 40	4 qts.	⅓ doz.	21 lbs.	12.00



Nos. 100 and 208

Nos. 300 to 1000

No.	Holds	Packed	Weight	Each
100	1 gal.	1	10 lbs.	$3.25
208	2 gals.	1	14 lbs.	4.00
300	3 gals.	1	21 lbs.	5.50
400	4 gals.	1	26 lbs.	6.50
600	6 gals.	1	35 lbs.	8.00
1000	10 gals.	1	58 lbs.	12.50

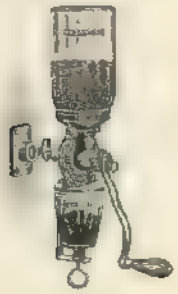
ALBANY HARDWARE & IRON CO.

COFFEE MILLS

No. 109

Stamped steel japanned box, metal drawer. Adjustable grinders, adjusting screw and nut at top of handle. Coarse, fine or pulverize. Capacity 6 oz.

Packed, ½ doz., weight, 20 lbs. ....per doz., **$18.00**



No. 24

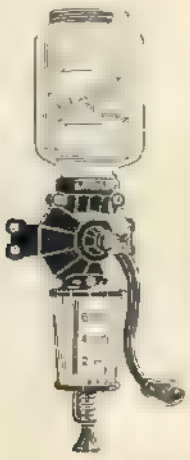
Air-tight glass canister, glass receiving cup. Adjustable grinders, adjusting screw and nut at top of handle. Released from wall bracket by thumb screw. Capacity 1 pound.

Packed, ½ doz., weight, 42 lbs . per doz., **$21.00**

No. 014

Air tight metal canister, with transparent celluloid window, detachable cup Adjustable grinders, adjusting screw and nut at top of handle Fastened directly to wall. Capacity 1 pound.

Packed, ½ doz., weight, 29 lbs. ..... per doz., **$21.00**



No. 4 Crystal

Air-tight glass canister, glass receiver graduated Adjustable to grind coarse, fine or to pulverize. All iron. Capacity 1 pound.

No.	Finish	Packed	Weight	Per Doz.
4	Japanned	½ doz.	48 lbs.	**$22.50**
4	White	½ doz.	48 lbs.	**27.00**

No. 50

Air tight metal canister, tin cup receiver. Adjustable chilled iron grinder, double lock nut regulates fine or coarse. Iron is black japanned. Capacity 1 pound.

Packed, 1 doz., weight, 25 lbs.....per doz., **$10.75**

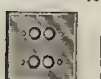
If you want to come to Boston and sell goods, don't think of starting until you get the guide-book to the Boston newspaper situation.

The way is described accurately and impartially in "The Road to Boston." Probably it is the only book about advertising ever put out by a newspaper without any advertising figures in it.

Printed by the Boston Herald-Traveler; we'll be very glad to send you a copy.

RECEPTACLES AND SWITCHES

Switch Plate 1 in. x 4, brush hole, single mast., flat, standard flush switches.
1H9914—1 ots of 10 Each 7c



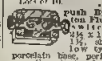
Switch Plate—4½x4½, brush hole, double gang flat, standard flush switches.
1H7010—1 in pkg. Each $0.18
Lots of 10, " .12

Switch Box — 2½ in. deep, black lacquered sheet steel receptacle, clamp ears, holding case for installation in new work.
1H9918 — 1 in pkg. Each, $0.17
Lots of 10 " .11

"Edison" Plug Cut-out—Double pole 5-30 amp. 125 volt porcelain base.
1H7018—Single branch Each, $0.25
Lots of 10, " .18

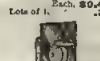
"Edison" Plug Cut-out—Double pole, 0-30 amp. 125 volts, porcelain base.
1H7030 — Double branch Each, $0.40
Lots of 10, " .34

Push Button Flush Switch—2½x2½, shallow type porcelain base, perfect operating on and off mechanism. 1 in box
1H9315—Single pole, Each, $0.21
Lots of 10 " .24



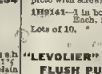
Push Button Flush Switch—2½ x 2½ x 1¾, single throw type porcelain base, perfect operating on and off mechanism. 1 in box.
1H9343—2 poles. Each, $0.39
Lots of 10, " .33

Entrance Switch Porcelain base, metal pole screw, base, entrance switch and back, enabled
1H9316 1 in pkg Each, $0.42
Lots of 1, " .37



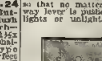
Screw Plug Flush Receptacle—4½x2½x2, brush brass, single plate, edges base.
1H9346—1 in box Each $0.32
Lots of 10, " .26

Slotted Flush Receptacle—Brush brass, 2¾x1¾x1¾ receptacle, 4½x2¾ cover plate, takes standard forms of straight blade capacitance with screws.
1H9341—1 in box Each, $0.45
Lots of 10, " .39

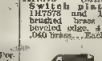


"LEVOLIER" FLUSH PULL SWITCHES

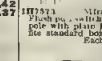
A new type Levolier switch—so constructed so that no matter which way lever is pulled built lights or unlights.



1H7076 — (Mfrs. 433) Switch plate for 1H7078 and 1H7074, brushed brass finish, beveled edge, 4½x2¾, .040 brass... Each, 16c



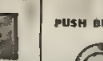
1H7371 — (Mfrs. 20) Flush pull switch single pole with plain leather, flat standard lever Each, 45c



1H7574 — (Mfrs. 30) Flush pull switch, 3-way with plain lever Each, 72c

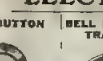
ELECTRICAL SUPPLIES

PUSH BUTTON



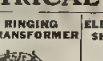
1H7614—2¼ in. brass finish steel base, steel spring, black button, 1 in pkg Each, $0.16
Lots of 10, " .10

BELL RINGING TRANSFORMER

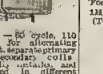


1H7642 — 60 cycle, 110 volts. For alternating current, separate primary and secondary coils carefully insulated, and mounted in different positions on closed ring type laminated core, enclosed in 4 5/8x3x3 white glazed porcelain case. 1 in box 1 in box Each, 95c

ELECTRIC LIGHT SHADE HOLDERS



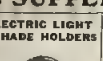
Screw Holder—2¼ in. fitter, old brass finish. For brass shell sockets.
1H7044—Lots of 25. (Total $1.80) Each. 6c



Clamp Holder—2¼ in. fitter, old brass finish. For brass shell sockets.
1H7015 Lots of 25. (Total $1.00) Each 4c

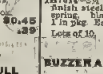
"ANYLITE" REGULATOR

A device designed to obtain any degree of light from zero to maximum. Lamp consuming not more than 40 watts

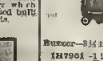


1H8117—Brass finish can be equipped with shade holder saves current fully guaranteed. 1 in pkg Each $0.84
10 on display card Each .77

BUZZER AND BELL

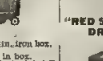


Buzzer—3¼ in. iron box.
1H7901 -1 in box. Each, $0.65
Lots of 10, " .49



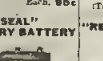
Bell—2¼ in. iron box, nickeled gong
1H7902 1 in box Each, $0.57
Lots of 10, " .50

"RED SEAL" DRY BATTERY



1H7639 — 2¼x6, voltage 1½, amperage 20 to 30, square carbon prevents short circuit 1 in carton Each, $0.40
50 in pkg. " .30

"RED SEAL" SPARKER DRY BATTERY



1H7021— Mfrs. 4151, 1 3/4x3 1/4x4", 4 cells arranged in single row moisture-proof, paper binding posts for screw connections, serving handle for carrying, especially designed for alternating work on auto tractor, stationary engine or motor boat 1 in pkg., 12 in carton Each $1.90
Lots of 5 " 1.85

BELL OUTFIT

1H7650 — Iron box bell, 4½ in. dry battery, 50 ft. wire, push button and staples 1 set in pkg Set, $1.50

ROBBINS' & MYERS'

½ H. P. ELECTRIC MOTOR

1H7910 ½ H. P., 60 cycle, 110 to 115 volt alternating current motor. Phosphor bronze bearings, label rated by grease cups and oiled wicks, equipped with V grooved pulley, 1in x other proof varnish, wear and glue proofed to operate washing machines, grinders, sand belts, sewing lathes, etc. 1 in box. 36 lbs Each $17.75

ELECTRIC FANS

You can't be SURE you are buying electric fans at the bottom until you are posted on our prices

When ordering give voltage, whether alternating or direct current and number of cycles. You can obtain this information from your electric light company

"NORTHWIND" ELECTRIC FAN

1H8314 — Oscillating type, 4 blades, 110 volt, 10 in., 3 speeds, universal motor, starting switch base, full swivel trunion features bronze bearings with wick filled oil wells complete with 8 ft. cord 1 in carton. Each
$14.34
Lots of 12 Each
$13.86

"STAR" MOTOR ELECTRIC FAN

1H7860—Stationary type, 8 in. diam., 18½ in. high, 4 blades, 3 speeds, for 100 to 120 volts, alternating or direct current, nickel plated and polished throughout, heavy cast base with 4 rubber cushion pieces to creeping, grease cups with spring operating felt washers, oil cups on shafts for lubricating, brass fan guard, thumb screw adjusts to any angle, 6½ ft. covered wire with 2 piece plug. Guaranteed for 1 year. 4 in box. 75 lbs. Retails at $10.00.
Each $7.50
Lots of 6, " 7.00

"R & M" STANDARD DESIGN ELECTRIC FANS

Made by Robbins & Myers

Stationary Type

4 polished brass blades, drawn steel frame, light weight wide base, black japanned, striped in gold 6 ft cord and plug 1 in box

110 VOLT, Alternating or Direct Current—
1H4232—9 in. Each $14.60
110 VOLT Alternating Current
1H4114—12 in. Each $18.80
1H3614—16" " 21.60

Oscillating Type

Light weight frame, steel fan, black japanned, gold striped, brass blades, brass guard, oscillator base with felt pad base joint for attaching to wall side for 6 ft base for preventing fan from tipping 8 ft cord and plug 1 in box

82 VOLT, Direct Current—
1H4186—12 in. 4 blades Each, $24.00
110 VOLT, Alternating or Direct Current—
1H4194—9 in., 4 blades, Each, $17.80
110 VOLT, Direct Current
1H3446—16 in., 4 blades Each, $28.00
110 VOLT, Alternating Current—
1H4188 12 in., 4 blades Each $24.00
1H3623 16 " 4 " 24.00
1H4405 16 " 4 " 28.00

"POLAR CUB" ELECTRIC FANS

Made of brass throughout, type for 110 volts alternating or direct current, drum steel motor shaft, with ball ring bearings, cast iron base adjustable for any angle, 6 ft. of cord and plug.
1H9301 6 in diam., 8 in. high 4 highly polished and lacquered solid brass blades bronze bearings, finished in baked black enamel. Retails at $7.00 1 in box
6 lbs Each $3.75
Lots of 1 3.50
1H8903—8 in diam., 10 i high 4 highly polished and lacquered solid brass blades bronze bearings, finished in baked black enamel. Retails at $ 5.50 1 in box
9 lbs Each $5.25
Lots of 1 5.00
1H8140 8 in. [illegible] 110 volts, [illegible] nickel plated, and polished throughout, [illegible] Retails at $7.50. 1 in box, 4 lbs. Each $5.95
Lots of 12 5.56

GUARANTEE.

A guarantee tag is furnished with every fan. Any fan proving mechanically defective will be accepted for credit within five days of date of receipt of shipment and within one year for repair or replacement without charge. Fans should not be returned under this guarantee until application for return has been approved by us

ROBBINS' & MYERS' WOOD BLADE CEILING FANS

56 in. 4 blades 3 speeds plain type black enamel finish 110 volts, with ceiling canopy, insulator, hanger and hook, without hanger rod, ordinary ¾ in standard pipe can be used for hanger rod 1 in carton
1H4223—For direct current, 100 " Each, $40.00
1H4225 For alternating current 105 " 41.80

HAMMERS

TACK

STANLEY PLAIN EYE

Cast iron. Plain eye with ferrule and steel claw. Tinned finish. Hickory handle.

No.	Lgth. head	Lgth. over all	Wt. per doz.	Per doz.
2	4 in.	12 in.	3½ lbs.	$3.70

One dozen in a box.

STANDARD ADZE EYE

Cast iron. Adze eye, with claw. Full polished. Hickory handle.

No.	Lgth. head	Lgth. over all	Wt. per doz.	Per doz.
30	6½ in.	10 in.	5¼ lbs.	$2.70

One dozen in a box.

STANDARD PLAIN EYE

Cast iron. Plain eye, with ferrule and claw. Polished. Hickory handle.

No.	Lgth. head	Lgth. over all	Wt. per doz.	Per doz.
25	3¼ in.	11¼ in.	4 lbs.	$3.00

One dozen in a cardboard box

SAYRE PLAIN EYE

Cast steel. Plain eye. Horseshoe pattern. Full polished. Hickory handle.

No.	Lgth. head	Lgth. over all	Wt. per doz.	Per doz.
272	4 in.	11½ in.	5½ lbs	$7.50

One-half dozen in a cardboard box.

MAGNETIC

Cast steel. Plain eye, with claw Horseshoe pattern Full polished. Hickory handle.

No.	Lgth. head	Lgth. over all	Wt. per doz.	Per doz.
271	4¾ in.	10 in.	6 lbs.	$7 50

One-half dozen in a cardboard box.

MAGNETIC

Highest grade crucible steel. Carefully tempered claws and hardened face. Plain eye. Nickel plated. Extra hickory handle.

No.	Lgth. head	Lgth. over all	Wt. per doz.	Per doz.
S270	4¾ in.	10½ in.	6 lbs.	$15.00

One-half dozen in a cardboard box.

BILL POSTERS

ROBERTSON MAGNETIC

Forged steel. Plain eye. Horseshoe pattern. Nickel plated. Hickory handle.

No.	Lgth. head	Lgth. over all	Wt. per doz.	Per doz.
BT412	3½ in.	12 in.	5 lbs.	$18.00

One dozen in a cardboard box.

ROBERTSON MAGNETIC

Horseshoe pattern. Hardened face. Card-holding attachment on first section of handle. Two 18-inch sections in handle.

No.	Wt. head	Lgth head	Lgth hdle.	Wt. per doz.	Per doz.
502	1⅛ in.	4 in.	36 in.	14 lbs.	$68.00
802	½ in	4¾ in.	36 in.	16 lbs	80.00

Two in cardboard box.

TACK CLAWS

Polished. Stamped steel claw. Nickel plated. Plain hardwood handle. Brass ferrule.

No.	Lgth over all	Wt. per doz.	Per doz.
14	6½ in.	1¾ lbs.	$1.60

One dozen in a cardboard box

Polished forged steel claw and flat shank. Black finish hardwood handle. Stamped ferrule.

No.	Lgth over all	Wt. per doz.	Per doz.
46	6 in.	1¾ lbs.	$2.60

One dozen in a cardboard box

Cast steel. Stamped ferrule. Black finish hardwood handle.

No.	Lgth over all	Wt. per doz.	Per doz.
50	6½ in.	2 lbs.	$2 00

The Round Oak copper-fused, boiler-iron "Chief"

A Reputation Builder

The Round Oak "Chief" Range, for coal and wood, is enthusiastically supported by many dealers who have and are building valuable reputations.

Suffice it to say that this range is the *best* that the Round Oak Folks—with all their half-century experience, $4,000,000 facilities and rigid standards of quality—can produce in a product of this type.

As a result, every purchaser becomes a permanent asset to the dealer, a continual endorser of the range and the dealer to her friends.

Furthermore, in its active sale, the dealer is aggressively assisted by Round Oak Co-operation, famous for its liberality and resultfulness.

May we invite your inquiry, quite without obligation?

ROUND OAK

BOILER IRON "CHIEF" RANGE

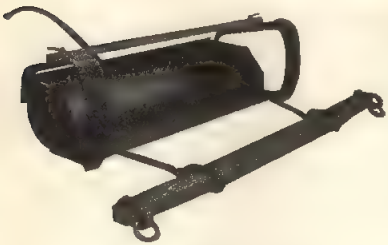
THE BECKWITH COMPANY, Dowagiac, Michigan

"Round Oak Folks" *Established 1871*

All Round Oak products embody traditional Round Oak quality and patented exclusive features: Round Oak Porcelain Coal Range, Round Oak Three-Fuel Porcelain Range; Round Oak Three-Fuel Range; Round Oak Ironbilt Cast Range, Round Oak Gas Ranges, Original Round Oak Heating Stoves, Round Oak Pipeless Heating System, Round Oak Moistair Heating System; Round Oak Ironbilt Furnace—for pipe installation

ROYAL BUCK (Fresno) SCRAPERS

The Standard for the High Grade Contractor

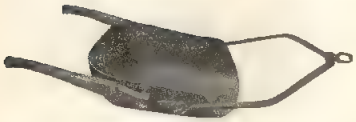


At the left is shown a valuable implement for leveling land, constructing drainage ditches, etc. The construction of the Royal Buck (Fresno) Scraper is first class in every particular. The bit is made of special high carbon steel and is easily replaced at slight expense.

The heaviest Buck scraper made.

Sizes—Cu. feet cap.	3½	4	5
Weight—lbs.	250	285	310

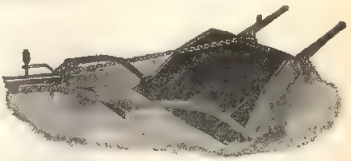
DRAG SCRAPERS



NEW STAR

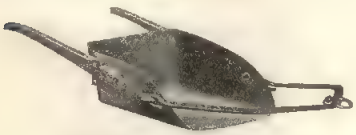
This is an extra value in low priced square back scraper. The handles are firmly bolted on sides with clips, instead of being driven into light sockets. The pan is equipped with double solid steel runner; double bottom; double flanged bottom; or furnished with plain bottom, as ordered.

No. 1 Cap., 3½ cu. ft.; Weight, 75 lbs.
No. 2 Cap., 5 cu. ft.; Weight, 85 lbs.
No. 3 Cap., 7 cu. ft.; Weight, 95 lbs



ROYAL TONGUE (Mormon) SCRAPER

This scraper is well made of good material, and strongly ironed. Has a steel cutting edge easily replaced when worn out. This scraper is useful in filling ditches, leveling roads, etc. Two sizes, 42 inches, weight 115 pounds; 48 inches, weight 120 pounds

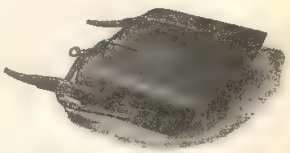


CROWN OR DIAMOND SQUARE BACK

We furnish Pressed Bowl Drag scrapers in two styles; the Crown with handles on side, and the Diamond, with round handles on top. Pans are pressed from sheets of heavy scraper steel; solid bowls without lap or joint. Furnished with double steel runners; with flat double bottom or with plain bottom as ordered.

No. 1 Cap., 3½ cu. ft.; Weight, 75 lbs.
No. 2 Cap., 5 cu. ft.; Weight, 85 lbs
No. 3 Cap., 7 cu. ft.; Weight, 95 lbs.

BOSS



Crown; Drag, Round Back, One-piece Pressed Scraper Steel, with Runners; Heavy Steel Bail, Hooks and Sockets; Malleable Iron Swivel on Bail; Hardwood Bent Handles; Painted Black.

No. 2 Boss

Capacity, Cubic Feet	5
Bottom, Length, Inches	31½
Width at Top, Inches	29½
Back, Depth, Inches	9½
Weight, Lbs.	87
Each	

The best made at any price; always ready for shipment.

Royal
TRADE MARK

Self-Heating Sad Iron

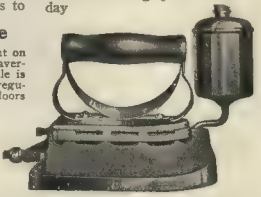
Sixteen years ago a woman did an ironing with the first successful self-heating sad iron ever made.

What an advertiser that woman was—she told all her neighbors to *try* a Royal Self-Heating Sad Iron.

Every neighbor turned *advertiser*—the demand grew each succeeding year. To-day

Over 100,000 in Use

tells how the "Royal" has kept right on pleasing customers. It does an average ironing for 2 cents. The handle is always cool. The heat is instantly regulated. Can be used anywhere—outdoors or indoors.



We supply advertising material that keeps the "Royal" moving. Write for prices.

Royal Self-Heating Iron Co.
603 Wayne St., Big Prairie, Ohio

RELIABLE
BLUE FLAME HOVER

THE BEST YET

More Sales!

Quicker Turnover! — A Strong Sales Magnet!

This late 1923 model Blue Flame Oil Heated Hover reduces chick brooding to a science. Produces larger profits for the small or large poultryman. Makes and holds customers, and gives utmost satisfaction.

Widely Imitated, But Never Equaled

Burns ordinary coal oil or kerosene with clear, even blue flame. No bother—no coal—no odor—no soot—no dust—no noise—no clogging—no overflowing. Easily adjusted; automatically regulated. Saves fuel. Asbestos lighting ring decreases oil consumption 33⅓%. Will burn 24 to 36 hours without refilling. Requires no attention, light it and leave it. Shipped completely assembled. *Made in various sizes. Write for Dealers Terms and Prices*

J. W. Myers, Pres.

Backed by Reliable Money-Back Guarantee

RELIABLE INCUBATOR & BROODER CO
Dept. 8 QUINCY, ILL., U. S. A.

Reliable Because right

New!

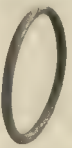
Only 34 Cts.

New Tires On in 2 Minutes with Sherwood Tire Iron

With the new Sherwood Tire Iron (cost to dealer only 34 cents) any dealer can retire a rubber tired coaster wagon in two minutes per wheel. No trouble at all. We ship the tires complete, cut to size and wired, ready to apply. Just another example of Sherwood service to dealers.

Here's a tip worth following. We have more business on our books right now than ever before at this time of the year. To insure prompt spring delivery of Sherwood Spring Coasters place your order immediately.

The Tire Iron



Tires shipped strung on wire cut to size, ready to apply.

Ask Your Jobber

Sherwood Bros. Mfg. Co.

CANASTOTA, N. Y.

SHERWOOD SPRING COASTER

BALLOONS & RUBBER NOVELTIES

Strictly first quality stock and the lowest prices that you can find anywhere make us by all odds the best place in America to buy balloons. Note especially our remarkable values in the novelty numbers.

SEAMLESS RUBBER BALLOONS

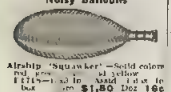
Strictly first quality stock, a splendid assortment of colors.

Round—Assid. solid colors, yellow, blue and green
Gross in pkg. Gro. Doz.
F1676—15-in. " 50c 5c
F1676 20 " doz $1.45 16c
F1677 " " 2.75 24c
F1678 " " 3.65 32c

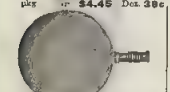
Round Gas — "Howe Bauman," 24 in circum., assid solid colors, maroon, lavender green and blue, extra heavy rubber, transparent, guaranteed to stand up longer than any other balloon on the market.
F1714 Assid 1 doz in pkg
Gro **$4.00** Doz. **35c**

Dirigible Jumbo," assid solid colors, blue, red, yellow and purple
F1686—Size 8x28 in. 3 doz. in pkg
Gro **$4.20** Doz **37c**

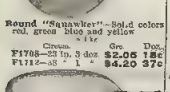
Noisy Balloons



Airship "Squawker"—Solid colors red, green, blue and yellow
F1715—15 in. Assid 1 doz in box
Gro **$1.80** Doz **16c**
F1724—20 in. Assid 1 doz in pkg
Gro **$4.45** Doz. **39c**



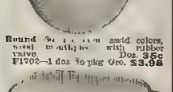
Round "Squawker"—Solid colors red, green blue and yellow
Circum. Gro. Doz.
F1708—23 in. 3 doz **$2.05** **18c**
F1712—35 " 1 " **4.20** **37c**



Airship Horn Pipe—30 in., extra heavy, assorted red, blues, and yellow
Gro. Doz.
F1721 Assid. 1 doz. in pkg **82c**
Gro. **$9.35**

Valve Balloons

Round—30 in. circum., assid colors, with mouthpiece with rubber valve. Doz. **25c**
F1702—1 doz in pkg Gro. **$3.06**

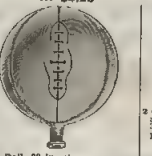


"Dirigible"—30x7 in., assid. colors, metal mouthpiece with rubber valve, which throws in air darts shot like airship. Doz **36c**
F1703 1 doz in env Gro **$4.10**

SEAMLESS NOVELTY BALLOONS

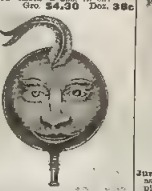
Strictly first quality stock.

Flag and Shield—28 in. circum. red, assid, white and blue stenciled flag and shield designs.
F1698—1 doz. in env Doz **37c**
Gro **$4.25**



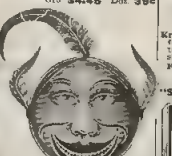
Foot Ball 32 in circum., orange metal mouthpiece with rubber valve
F1707—1 doz in pkg Doz. **37c**
Gro **$4.20**

Krazy Kat & Ignatz Mouse 28 in circum. semi-transparent stenciled cat and mouse, assid. red and purple.
F1701—Assid 2 doz. in env
Gro. **$4.30** Doz. **38c**

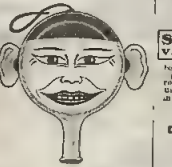


Assid. Noisy Characters—30 in. circum., assid. Chinaman Indian and negro, natural colors and stenciled features, stained turned wood squawker.
F1630—Assid. 2 doz in env.
Gro. **$4.80** Doz. **42c**

Juvenile Pictures—8x8 in., assid colors with stenciled pictures, wood mouthpiece with rubber valve.
F1695—Assid 1 doz. in pkg.
Gro **$4.45** Doz. **39c**



2 Color Indian—31 in. circum. red and orange stenciled features, 3 colored feathers.
F1703—2 doz. in env Doz. **72c**
Gro. **$8.20**



Noisy Chinaman—30 cm circum., yellow and black stenciled features, saloon cars, 6 in. queue, combination squawker and valve.
F1693—1 doz. in env. Doz. **82c**
Gro. **$9.35**

Juvenile Pictures—30 in circum., assid colors with stenciled juvenile pictures.
F1670—Assid. 1 doz. in pkg.
Doz. **82c**

BALLOON STICK

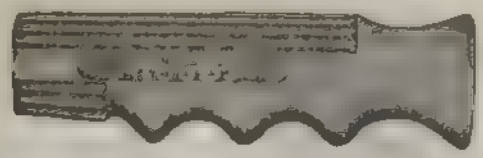
F1735—Best quality rattan 12 in bdl. ½ grs in pkg. . Gro **60c**.

Krazy Kat, Ignatz Mouse and Officer Pup—40 in circum., transparent, assid red and blue stenciled cartoon figures.
F1704—Assid 1 doz in env
Gro. **$9.60** Doz. **84c**

"SKI-HI" BALLOON

F1631 — 8 styles, airtight valve ball, 9 in in size, league ball with red and white panels, 10 in. red and blue stripes and numerals, 12 in. multicolor, 12 in. red, white and blue, 12 in. multicolor, 12 in. red, white and blue, 12 in. multicolor, 12 in. red, white and blue

BICYCLE HANDLE BAR GRIPS

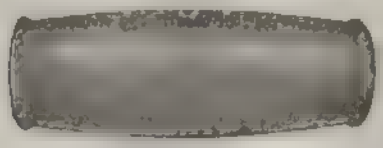


This is a Very Popular and Practical Grip; it is Designed so Fingers Fit Naturally; Makes it Very Comfortable When Riding; Length, 4½ inches. Made of Red Rubber.

Per Dozen Pair

No. 20—Weight per Dozen Pair, 3 lbs. **$4.50**
One Pair in a Box

SPONGE



Per Dozen Pair

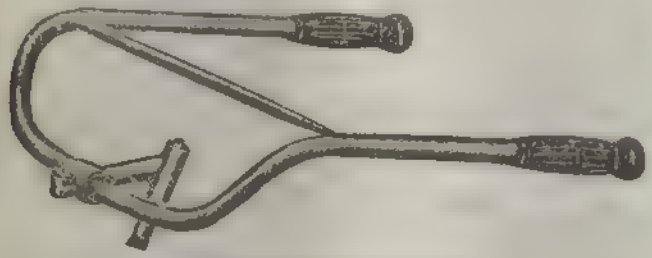
No. 5—**Sponge Rubber Grip**; Very Soft; Length 3½ inches; ⅜ inch Open at One End; Weight per Dozen Pair, 3½ lbs. **$5.70**
One Dozen Pair in a Box

No. 6—**Sponge Rubber Grip**; Very Soft; Length 3½ inches; ⅜ inch Open at Both Ends; Weight Per Dozen Pair, 3½ lbs. .. 5 70
One Dozen Pair in a Box

HANDLE BARS

★RUGBY NON-RUST

Genuine Drop Forged Stems; High Grade Steel Tubing, Heavily Nickel Plated Over Copper; ⅞ inch Stems with Expander; Without Grips.



MOTORCYCLE STYLE

Has the Appearance of Handle Bar on a Motorcycle; Gives a Very Sensitive Control of Bicycle; New and Attractive; The Cross Bar Reinforcement Not Only Strengthens but Also Makes it More Classy Than Any Other Bicycle Handle Bar on the Market.

Each

No. M—Complete with Handle Bar Stems (Less Grips); Made of ⅞ inch Tubing, Extreme Width, 21½ inches; Drop or Raise, 8½ inches; Straight Grip Ends, 12 inches Long; Diameter of Stem Above Top Rail, 1 inch; Below the Shoulder, ⅞ inch; 1 Knurled Ferrule; 4½ inch Forward Extension; Length of Stem Under Head, 2½ inches with Expander; Weight Complete, 4 lbs. **$4.00**
Loose

EXTENSION

Each

No. RER—⅞ inch Tubing; Width, 19 inches; Drop, 2½ inches; Forward Extension, 2½ inches; Without Grips; Weight, 1½ lbs. **$2 30**

No. RE2—⅞ inch Tubing; Width, 22 inches; Drop, 3 inches; Forward Extension, 2½ inches Without Grips; Weight, 2 lbs 2 30
Loose

HANDLE BARS

★RUGBY NON-RUST

Genuine Drop Forged Stems; High Grade Steel Tubing Heavily Nickel Plated Over Copper; ⅞ inch Stems with Expander; Without Grips.

EXTENSION

⅞ inch Tubing; Drop, 6 inches; Forward Extension, 3-inches; 3 inch Forward Bend.

Each

No. R24—Width, 24 inches; Without Grips; Weight, 2 lbs. **$2.10**
Loose

ADJUSTABLE

Each

No. RA—⅞ inch Tubing; Width, 20 inches; Drop, 3 inches; Forward Bend, 1¼ inches; Without Grips; Weight, 1¼ lbs. **$2.30**
Loose

JUVENILE

Each

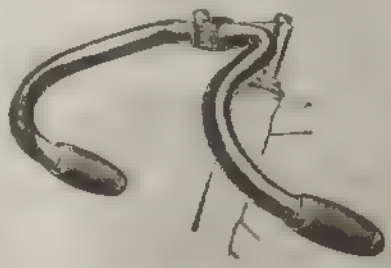
No. JRA—¾ inch Tubing; Width, 16 inches; Drop, 2 inches; Forward Bend, 1½ inches, Without Grips, Weight, 1¼ lbs. .. **$2.10**
Loose

BOX EXTENSION

⅞ inch Tubing; Drop, 6 inches; Forward Extension, 2½ inches; No Forward Bend.

Each

No. RB22—Width, 22 inches; Without Grips; Weight, 1¼ lbs. **$2.70**
Loose



LAWSON

Racing Handle Bar Complete with Stem, in a Great Demand; Width, 16 and 18 inches; Drop, 6 inches; Forward Bend, 3 inches;

Each

No. RL16-Weight Each, 2 lbs **$2.40**
No. RL18 Weight Each, 2 lbs **2 40**

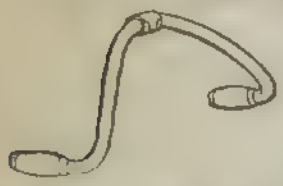
HANDLE BAR EXTENSIONS

Each

No. 10B—Forward Extension, 4½ inches; Same Handle Bar Stem as Used on No M Handle Bars. **$1.20**
Loose

HANDLE BAR TOPS

*RUGBY SENSIBLE NON-RUST TOPS
Without Grips



Centers or Ferrules Brazed on ⅞ inch High Grade Steel Tubing; Heavily Nickel Plated Over Copper and Polished.

	Each
No. R20—20 inches Wide; 3½ inches Drop; 2½ inches Forward Bend; Weight Each, 1¼ lbs	$1 50
No. R203—20 inches Wide; 3 inches Drop; 1¼ inches Forward Bend; Weight Each, 1¼ lbs	1.40
No. R223—22 inches Wide; 3 inches Drop; 1¼ inches Forward Bend; Weight Each, 1¼ lbs	1 40
No. R12/2—Box Bend; 22 inches Wide, 6 inches Drop, No Forward Bend; Weight Each, 1¼ lbs	1 80
Juvenile—16 inches Wide; 4 inches Drop; 2½ inches Forward Bend; Weight Each, 1 lb	1 20
No. R246—24 inches Wide; 6 inches Drop; 3 inches Forward Bend; Weight Each, 1½ lbs	2 20
No. R226—22 inches Wide; 6 inches Drop; 3 inches Forward Bend; Weight Each, 1¼ lbs	2 00
No. R215—21 inches Wide; 6 inches Drop; No Forwasd Bend. Weight Each, 1 lb	1.70

MOTOR BIKE HANDLE BAR TOPS

Without Grips

Handle Bar Top Only, Less Stem; Less Grips; Made of High Grade Steel Tubing; Heavily Nickel Plated Over Copper; ⅞ inch Tubing; Width, 21 inches; Drop or Raise, 6½ inches; Straight Grip, Ends are 10½ inches Long

Straight Grip, Ends are 10 inches Long

	Each
No. MB2—Weight Each, 3 lbs	$1 70
No. 23M—⅞ inch Stems for MB2 Tops. Loose	1 00

HANDLE BAR PARTS
FOR RUGBY HANDLE BAR STEMS
NOTE—Always Specify Sizes Wanted

	Each
No. CS—Collar Screws for No. 22E Stems; Weight per Dozen, 8 ozs	$0 10
No. EP—Expander Plugs; ⅛, ¼, ⅜ inch for Nos. 22E, 21C, 21CC and Juvenile Stems; Weight per Dozen, 8 ozs	.10
No. EB—Expander Bolts; 5½ inch for No. 22E, 21C and Juvenile Stems; Weight per Dozen, 16 ozs Loose	.10

SEAT POSTS

Seamless Steel Tubing; Drop Forged Top; Nickel Plated Over Copper, with Expanders, Size, ⅜, ⅞ and ⅞ inch.

	Each
No. 945—3 inch Top, ⅞ inch Stem Weight, 12 ozs	$1 20
No. 943—1½ inch Top, 8½ inch Stem, Weight, 15 ozs Loose	1 30

HANDLE BAR STEMS

*RUGBY NON-RUST EXTENSION STEMS

Genuine Drop Forged for ⅞ inch Tops; High Grade Steel Tubing; Heavily Nickel Plated Over Copper; for Top with 1 inch Ferrule; 3 inch Forward Extension; Length of Stem Under Head, 4½ inches with Expander.

	Each
No. 23M—Size ⅞ inch; Weight Each, 14 ozs Loose	$1.00

Genuine Drop Forged for ⅞ inch Top; Highest Grade Steel Tubing; Heavily Nickel Plated Over Copper; for Top with 1 inch Ferrule; 3½ inch Forward Extension; Length of Stem, 4½ inches with Expander.

	Each
No. 23CC—Size ⅞ inch; Weight, 13 ozs Loose	$1.00

Genuine Drop Forged for ⅞ inch Tops; High Grade Steel Tubing, Heavily Nickel Plated Over Copper for Top with 1 inch Ferrule, 3½ inch Forward Extension; Length of Stem, 4½ inches with Expander

	Each
No. 23[illegible]—Size [illegible] inch; Weight Each, [illegible] ozs	$1 00
No. 2[illegible]—Size [illegible] inch, Weight Each, 12 ozs	1.00
No. 22[illegible]—Size [illegible] inch; Weight Each, 12 ozs Loose	.90

Genuine Drop Forged

High Grade Steel Tubing; Heavily Nickel Plated Over Copper; for Top with 1 inch Ferrule; Length of Stem Under Head, 4½ inches with Expander.

	Each
No. 21C—Size ¾ inch; Weight Each, 10 ozs	$1 10
No. 21C—Size ⅞ inch, Weight Each, 10 ozs	1 10
No. 21C—Size ⅞ inch; Weight Each, 10 ozs	90
Juvenile—Size ¾ inch, Weight Each, 10 ozs Loose	90

HANDLE BAR PARTS
For Kelly Parts

Steel Tubing, Nickel Plated

	Each
No. BE1—1 inch Forward Extension Stem Expander; Weight Each 10 ozs	$1 70
No. BE2½—2½ inch Forward Extension; Stem Expander; Weight Each, 11 ozs	1.90
No. B2—Nuts for Stems; Weight per Dozen, 8 ozs	.14
No. B3—Washers for Stems; Weight per Doz., 4 ozs	.06
No. B4—Screws for Expanders; Weight per Doz., 26 ozs	.10
No. B5—Plugs for Expanders; Weight per Doz., 12 ozs	.10
No. B6—Right Side Arm; 3, 4 and 5 Shape; (Double Row Teeth); Weight Each, 11 ozs	1.80
No. B7—Left Side Arm; 3, 4 and 5 Shape; (Single Row Teeth); Weight Each, 11 ozs	1.80
No. B[illegible]—[illegible] Complete Set, Weight, 22 ozs Loose	1 90

BICYCLE PEDALS

*RUGBY

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE

Nickel Plated Steel; Ball Bearings; Triangular Checkered Rubbers; ½ inch Pin; No. 20 Thread; Dust Proof Cap.

Per Pair

No. 20—Weight per Pair, 1¼ lbs. **$1 90**

One Pair in a Box

EXTRA PEDAL PINS

In Ordering, Specify Whether for Right or Left Hand Pedals

Each

No. 8—Extra Pins for No. 20 Pedals; Right or Left Hand; Weight per Pair, 10 ozs. **$0 40**

Loose

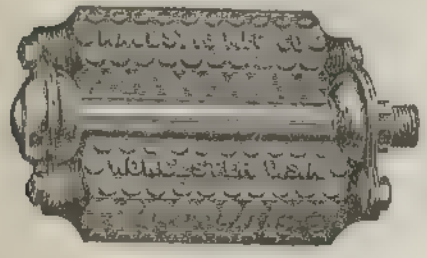
TORRINGTON

Heavy Rubber 1 inch in Diameter; 4 inches Long; Ball Bearings at Each End; ½ inch Pin; No 20 Thread; Dust Proof Cap; Highly Polished Frame.

Per Pair

No. 21—Weight per Pair, 2 lbs. **$2 20**

One Pair in a Box



MAJESTIC

Built with ¼ inch Steel Balls and Retainers; Heavy Gray Pimple Rubbers, 1 inch in Diameter; Length of Pedal, 5½ inches; Width, 3 inches; No. 20 Threads Fits Any Standard Crank.

Per Pair

No. 250—Weight per Pair, 2¼ lbs. **$2.10**

One Pair in a Box

IDEAL

Nickel Plated Steel; Ball Bearings at Both Ends; Square Checkered Rubbers; ½ inch Pin; No. 20 Thread; Dust Proof Cap.

Per Pair

No. Ideal—Weight per Pair, 2 lbs. **$2.00**

One Pair in a Box

EXTRA PEDAL PINS

In Ordering, Specify Whether for Right or Left Hand Pedals

Each

No. 6—Extra Pins for Ideal Pedals; Right or Left Hand; Weight Each, 5 ozs. **$0 50**

Loose

BICYCLE PEDALS

LADY'S

Width 3¼ inches; Axles ½ inch; Gray Rubber; Pyramid Tread ¾ inches Wide; The Low Cross Plates are Designed to Avoid Marring the Shoe; No. 20 Thread Fits Any Standard Crank.

Per Pair

No. 28—Weight per Pair, 1¼ lbs. **$1.90**

One in a Box

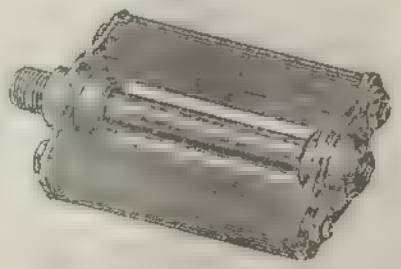
JM
RUBBER JUVENILE

Nickel Plated Steel; Ball Bearings at Both Ends; Square Checkered Rubbers; ½ inch Pin; No. 20 Thread; Dust Proof Cap.

Per Pair

No. JM—Weight per Pair, 1¼ lbs **$3 00**

One Pair in a Box



RUBBER JUVENILE

Nickel Plated Steel

Ball Bearings

Heavy Pedal Rubbers; ½ inch Pin; No. 20 Thread.

Per Pair

No. TJ—Weight per Pair, 1⅓ lbs. **$1.70**

One Pair in a Carton

*RUGBY

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE.

Nickel Plated Steel; Ball Bearing at Each End; Hardened Cones and Caps; ½ inch Pin; No. 20 Thread; Corrugated Side, Top with Raised End.

Per Pair

No. 1—Weight per Pair, ⅔ lb. **$1.30**

One Pair in a Box

STAR RACING

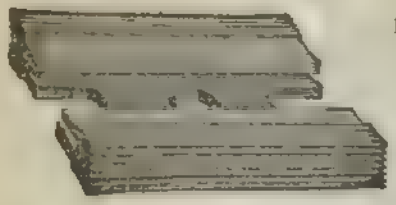
Extremely Light Racing Pedals, Axles and Cones, Turned from Solid Stock; Hardened to the Degree that Gives Longest Service. Bearings Perfectly Adjusted, Nickel Plated Over Copper; Brilliant Finish; Rat Trap Only. Axle, ½x20 inches; Size 3⅝x2 inches.

Per Pair

No. 4—Weight per Pair, 14 oz. **$1 80**

One Pair in a Carton

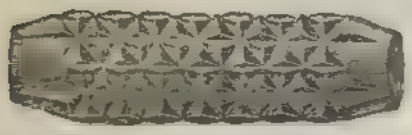
PEDAL RUBBERS



Per Set of Four

No. 30A—Vulcanized Rubber; Snaps on Automatically; Length, 2¼ inches, Fits Rat Trap Pedals from 1 to 1⅜ inches Wide; Weight per Set, 3 ozs..... $0.65

Twelve Sets in a Box



Fits Any Make Motorcycle Pedal. Hard Black Rubber; Length 4 in ches Thickness 1 inch Square; ¼ inch Square Hole Through Center.

Per Set of Four

No. MC4—Carton Weighs 3¼ lbs..... $0.40

Per Dozen Sets 1 50

Five Sets in a Carton

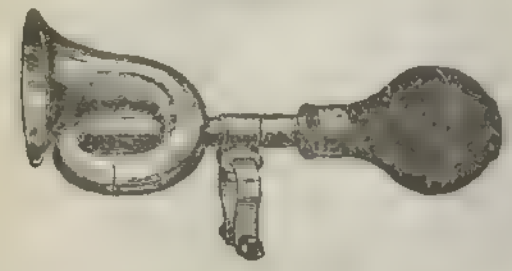
Per Set

No. B34—For Ideal Bicycle Pedals; Hard Black Rubber; Length 3¾ inches; Square Hole Through Center $0 35

Per Dozen Sets 3.70

Five Sets in a Carton, Carton Weighs 3 lbs.

HORNS



MOTORCYCLE

Each

No. 80—Bell and Bend, Nickel Plated over Spun Brass; Diameter of Bell 2[illegible] inches, Length Over All, 7[illegible] inches, Metal Reed Diameter of Bulb, 2¼ inches; Weight, 8 ozs..... $2 50

One in a Box

BICYCLE

Each

No. 8BH—Bell, 2½ inches in Diameter; Nickel Plated Over Spun Brass; Metal Reed; Length Over All, 7¼ inches; Diameter of Bulb, 1⅜ inches; Weight, 5 ozs..... $1 10

Twelve in a Box

SIREN HORNS

SCREECH OWL

Size of Case, 3x2 inches; Nickel Plated; Hard Red Fiber Roller; Complete with Clamps; 22 inch Chain.

Each

No. SO—Weight, 1 lb..... $1 80

One in a Box

HORNS

KLAXON MOTORCYCLE

Made to be Used on Motorcycle or Bicycle; Has the True Klaxon Warning Note; Operates by Pressing Push Rod; Short Projector, with Bracket to Attach to Frame.

Special Model

Each

No. K3MF—Black; Weight, 5 lbs..... $7 10 5.50

One in a Box

Same as No. K3MF, Except Attaches to Handle Bar Instead of Frame

Special Model

Each

No. K3MH—Black; Weight 5 lbs..... $7.10 5.50

One in a Box

BICYCLE

Hand Actuated

A Miniature Automobile Horn of Latest Design; Every Part Interchangeable; Emits a Loud Sound at the Slightest Touch of the Plunger.

Each

No. B—Size, 3x3 inches, Finish All Black Enamel; Weight, 1 lb... $1 80

One in a Box

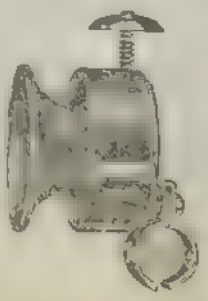
SEISS

Size, 3⅛ inches Long, 4⅛ inches High. Diaphragm with Adjustable Point; Finish, All Red Enameled Baked with Nickel Plunger; Furnished Complete with Bracket.

Each

No. NBR—Weight Each, 1 lb..... $1 70

One in a Box



RED TOP

Has Clear Tone Diaphragm Only; One Spring; Hardened Sound Point, Black Enamel With Red Top Plunger, Rigid Handle Bar Bracket.

Per Dozen

No. RT—Weight Each 1 lb..... $7 70

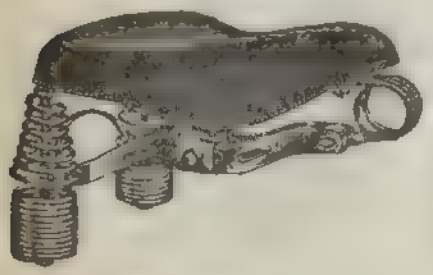
One in a Box

BICYCLE SADDLES

★RUGBY

"ORIGINATED BY US"

Our Rugby Saddles are Unequalled; They Have Proven Their Durability and Their Popularity to the Satisfaction of Both Dealers and Riders; They Combine the Best of Material Obtainable; Russet Leather Cover; Hair Felt Padding; Wooden Base; Best of Springs of the Various Styles and Clamps.



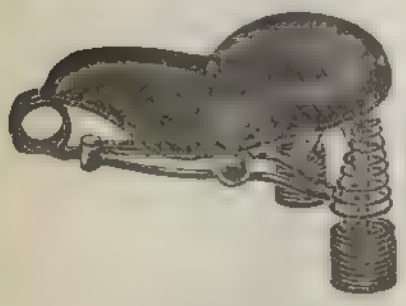
MOTOR BIKE

Stamped Steel Frame and Trusses; Cushion Springs Combined With Universal Spring; All Finished in Black Enamel; has Universal Clamp; Waterproof Elgrain Leather Top; Well Padded With Hair Felt; An Extra Heavy Saddle; Strong and Durable; Length, 10½ inches; Width, 8½ inches.

Each

No. 20R—Weight, 4½ lbs. $4 00

Loose



SPEED

Stamped Steel Frame and Trusses; Easy Springs Combined With Universal Cone Springs, All Finished in Black Enamel; Top is Hair Padded and Formed to Fit Over a Fine Wood Veneer Base; Seat of Leather; Length, 11 inches; Width, 9 inches.

Each

No. 25R—Double Spring; Weight, 4 lbs. $3 30

Loose

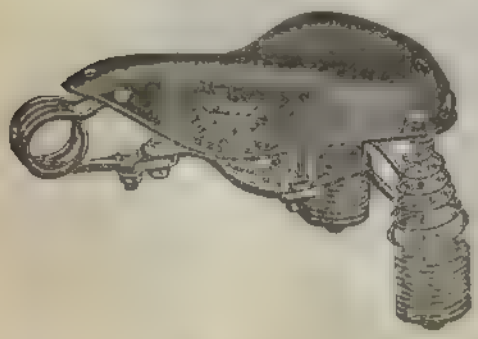
TOP-NOTCH

Stamped Steel Frame and Trusses; Cushion Springs, Combined With Universal Cone Springs; Black Enameled; Hair Padded; Formed to Fit Over Wood Veneer Base; Spanish Leather; Length, 10½ inches. Width, 8½ inches.

Each

No. 27R—Single Spring; Weight, 3 lbs $2 70

Loose



TROXEL

TIP TOP

Stamped Steel Frame and Trusses; Cushion Springs Combined With Universal Spring, All Finished in Black Enamel; English Russet Leather Top; Length of Seat 10½ inches; Length Over All, 11 inches; Width 7¼ inches.

Each

No. Tip Top—Weight, 3¼ lbs $2 90

Loose

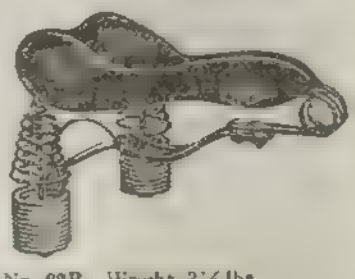
LADIES

Waterproof Elkgrain Leather, Stamped Steel Frame and Trusses, Stamped Springs Combined With Universal Cone Springs; Black Enameled; Top Hair Padded, Formed Over Wood Base; Length, 8 inches; Width, 8½ inches.

Each

No. 09RC—Single Spring Weight 3 lbs. $2 90

Loose



SPECIAL

Waterproof Elkgrain Leather-Covered; Hair Felt Padded; High Back Wood Base; Cushion Comfort Springs; Nickel Plated; Length of Seat, 10 inches; Length Over All, 11 inches. Width, 7¾ inches.

Each

No. 62R—Weight, 3'½ lbs $3.70

Loose

JUVENILE

Waterproof Elkgrain Leather-Covered, Hair Felt-Padded, Wood Base; Cushion Comfort Springs Nickel Plated; Length Over All, 10 inches, Width, 8 inches.

Each

No. 40RP Weight, 3 lbs $2.40

Loose

GENTS

Nickel Plated Truss Spring; Waterproof Elkgrain Leather Covered Wood Base; Length, 9¼ inches; Width, 7½ inches.

Each

No. 10R—Weight, 1¼ lbs $1 40

Loose

TROXEL

EAGLE

Stamped Steel Base; Truss Spring Nickel Plated; Spring Clamp; English Russet Leather Top; a Neat and Attractive Saddle at a Moderate Price; Length of Seat, 10½ inches; Width, 7¼ inches.

Each

No. Eagle Racer—Weight, 1½ lbs. $2 70

Loose

BOY SCOUT KNIVES

Brass lined, nickel silver bolsters and shield, large nickel silver shackle for attaching to belt.

No. 21 [illegible]—1 large blade, 1 Harrison punch, 1 can opener, 1 combination screw driver and bottle opener, polished stag handle, 3⅞ in. closed....per dozen **$24.00**

No. 22 [illegible]—2 blades, polished ebony handle, 3¼ in. closed .....per dozen **$14.50**

No. 26 [illegible]—1 large spear blade, 1 Harrison punch, 1 combination screw driver and bottle opener, stag handle, 3⅞ in. closed .....per dozen **$24.00**

No. 2705P—Hibbard—1 large blade, 1 leather punch, 1 can opener, 1 combination screw driver and bottle opener, stag handle, 3⅞ in. closed .....per dozen **$24.00**

HALF DOZEN IN A BOX

[illegible] ARMY KNIVES

No. 25 [illegible]—Army, 1 large spear point blade, 1 Harrison patent leather punch, 1 can opener blade, 1 combination screw driver and crown cap bottle opener blade, Stag handle, brass lining with heavy steel center lining, nickel silver bolsters and nickel silver shield, stamped **Army Knife.** Nickel silver shackle for attaching to key chain or rope halyard, 3⅞ in. when closed, per dozen **$24 00**

HALF DOZEN IN A BOX

TOOL KNIVES

No. 3H—Five tools, 1 large blade, 1 punch, 1 screw driver, 1 hoof cleaner, 1 combination pincer and wire cutter, glazed, stag, brass lined, length 4¼ in. closed, per dozen **$35.00**

HALF DOZEN IN A BOX

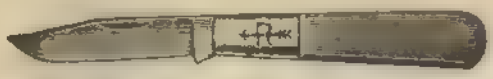
J. RUSSELL AND CO'S BARLOWS POCKET KNIVES

Glazed, brown bone handle, iron lined, 3⅜ in. closed.

No. 60—1 large blade .....per dozen **$6.50**

No. 62—1 large and one pen blade .....per dozen **8.00**

HALF DOZEN IN A BOX

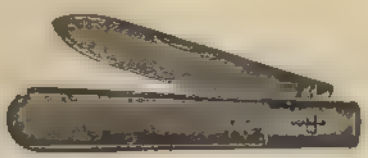


Glazed, brown bone handle, iron lined, 3⅜ in. closed.

No. 65—1 large blade .....per dozen **$6.50**

No. 66—1 large and one pen blade .....per dozen **8.00**

HALF DOZEN IN A BOX

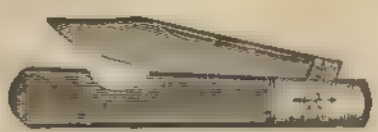


Glazed, brown bone handle, iron lined, 5 in. closed.

No. 0600—1 clip blade .....per dozen **$14.00**

No. 0601—1 spear blade .....per dozen **14.00**

ONE DOZEN IN A BOX



No. 6000—1 clip blade, glazed, brown bone handle, iron lined, 5 in. closed .....per dozer **$14.00**

ONE DOZEN IN A BOX

Hibbard
HARDWARE
FOR
HARD~WEAR

HIBBARD POCKET KNIVES

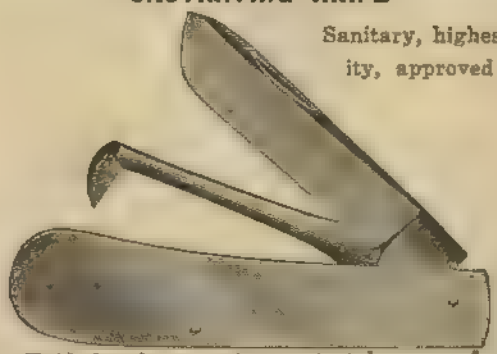
FULLY GUARANTEED TO GIVE PERFECT SATISFACTION

Made by American workmen. Blades are finest quality Crucible Steel, TEMPERED BY A NEW METHOD WHICH INSURES A UNIFORM AND LASTING EDGE. Sharpened ready for use. In whetting, hold at an angle of 18 degrees on an OIL STONE, not a grindstone.

WE ETCH YOUR NAME, FREE OF CHARGE, ON THESE KNIVES WHEN REQUESTED

NICKEL SILVER HANDLE VETERINARY AND CASTRATING KNIFE

Sanitary, highest quality, approved shape.



This Knife has been gotten up to take care of an ever-increasing demand for a knife of this kind, originating not only from the Professional Veterinarian but also from the Farmer and Stockman who himself prefers to perform operations on his live stock.

On account of the handle being made of nickel silver the knife can be freely immersed in boiling water to be sterilized, the handle will not crack or absorb dirt, thereby making this knife **Absolutely Sanitary.**

The shape is of the most approved pattern and comfortably fits the hand. The speying and hook blade are made of the finest Wardlows' English Crucible Cutlery Steel, properly tempered, ground and whetted to a very keen and lasting edge. Every knife is unconditionally warranted.

No. 2541½P—1 large speying blade and 1 hook blade, nickel silver handle, length 3⅞ in. when closed, per dozen **$21.00**

HALF DOZEN IN A BOX

NICKEL SILVER HANDLE SPEYING KNIFE

Sanitary, highest quality, approved shape.

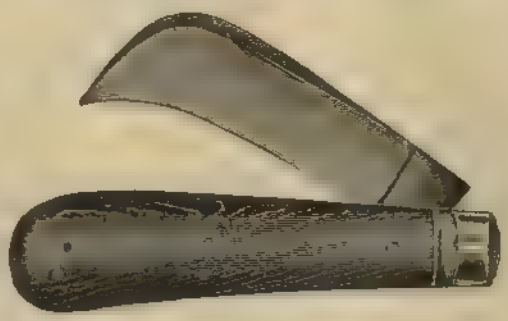
The result of an ever-increasing demand for a pocket knife of this kind.

Perfectly sanitary, can be immersed in boiling water to be sterilized. The shape is of the most approved pattern and properly fits the hand. The Speying blade is made of the finest Wardlow's English Crucible Cutlery Steel, tempered, ground and whetted to a firm and lasting edge. Every knife is unconditionally warranted.

No. 104½—1 large Speying blade, handsomely etched **speying**, nickel silver handle, length 3⅞ in. when closed, per dozen **$10.00**

HALF DOZEN IN A BOX

PRUNING, KAFFIR CORN, MAIZE, LINOLEUM AND ROOFING KNIFE COMBINED IN ONE



Most desirable shape for pruning and trimming shrubbery, trees, etc., for cutting Kaffir Corn and Maize, also for cutting Linoleum, Roofing, Rubber, etc.

The blade is of a very heavy gauge, and is made of the finest Wardlows' English Crucible Cutlery Steel, tempered ground and whetted to keen and lasting cutting edge.

The handle is of the finest South American Cocobola, steel lined, and has hole through end for attaching to chain or rope.

Each knife is unconditionally warranted.

No. 4507P—1 large, length 4 in. when closed, per dozen **$12.00**

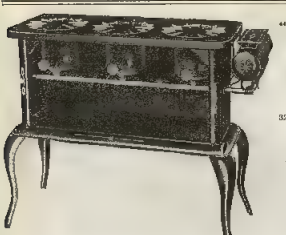
HALF DOZEN IN A BOX

OYB
OUR VERY BEST

Our Very Best for Fifty Year
Has Stood the Test

Our stock consists of a large assortment of Pocket Knives and other Cutlery. WE ILLUSTRATE OUR LEADING PATTERNS ONLY. Ask our salesman to show you samples of our complete line.

"FAULTLESS" WICKLESS OIL COOK STOVES

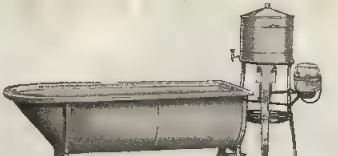


33 in. high, cabinet frame hard baked black japanned decorated, loaded steel burners, 1 gal. loaded steel tank positive shutoff, perfect combustion. Each tested instruction card with each 1 in crate.

2H2473—2 burners, 14x11 top, 35 lbs.
Each, **$8,50**

2H2475—3 burners, 15x33 top, 45 lbs.
Each, **10,50**

SANITARY BATH TUB, STOVE AND WATER HEATER 3 in One



2H3646—Bath tub, heavy steel highly finished in best grade white enamel, fitted with large wood rim, drain connection for pipe or hose waste through floor or wall. Heater, fitted with the famous "Kerogas" burner which burns kerosene, 2 gal. oil tank, 10 gal. water tank. Blue and black enamel finish heater stand and tank. Tub and heater are separate and heater can be easily moved to kitchen and used for washing, ironing or cooking. One complete outfit in crate, 90 lbs.
Each, **$28,50**

"KEROGAS" COMBINATION OIL AND ELECTRIC RANGES

Oil and electric cooking—singly or simultaneously. Attaches to any electric lamp socket—requires no special wiring, no extra cost to install.

2 oil burners, 17½x35 top, 32½ in. high to cooking top, heavy steel, full cabinet style body, baked japan finish, genuine brass Kerogas burners drawn out of one solid piece, leak proof and rustproof, fitted with one extra large or Giant burner white porcelain enamelled burner drums, efficient wick raiser and regulator, 4 gal. oil tank. Thermostatic control or clock attachment makes cooking so electrically automatic. After food is prepared and placed in cooker, clock is set for the hour when cooking should begin and stop the current is then automatically turned on and off at proper time. Breakfast can be cooked while the family sleeps. Heat does not go above 250 degrees nor below 225 degrees. 1 in crate.

2H4803—Without high shelf back.
Each, **$74,50**

2H4804—Complete with white porcelain high shelf back
82,00

"KEROGAS" CAMP COOK STOVE

2H8335—18½ in. high 10½ in. dia. black japanned steel body, gasoline one piece Kerogas brass burner, generates gas from kerosene, blue porcelain enameled burner drum, loaded steel, front opening only prevents drafts from reaching flame, ball for carrying. Gives the best possible service for out-door cooking. 1 in crate, 11 lbs.
Each, **$4,75**

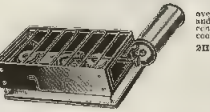
"JUNIOR" GASOLINE STOVES

12 in. high, brazed steel frames, baked black japan and neatly enamelled with gilt stencilling on top. 2 valves to each burner, one shutoff and one tested 3 point valve, black japanned sheet steel feet, stationary black japanned tank. Wrapped and crated.

2H8542—2 burners, 22x14, 23 lbs.
Each, **$5,50**

2H8543—3 burners, 33x14, 30 lbs.
Each, **$7,50**

"KAMP KOOK" GASOLINE STOVE



The American stove is known the country over as the greatest ever designed for campers and campers. It enables families to enjoy the convenience, economy and cleanliness of home cooking anywhere.

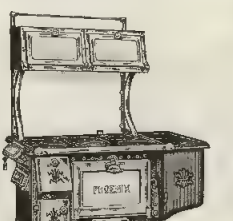
2H8140—(Mfrs. 3). Sets in heating surface, black japanned cast, 2 wood steel burners, heavy nickel plated oil tank, holds 1 qt. gasoline, enough for 3 hours' service, heavy wire grate, folding legs, complete with pump wrench and full set of 4 pockets, folds up into very small space and looks like small black suit case. 1 in carton, 9 lbs.
Each, **$5,50**

STEEL AND CAST IRON RANGES

"BLACKSTONE" CAST IRON RANGES—For hard or soft coal or wood, 18x18½ oven, six 8 in. holes, extra large fire box 17⅜x16½, with 1 piece ventilated fire back of hot blast type. Takes sticks of wood up to 18 in. long. Full nickel trim on end, top front base strip and ogee. The splasher back, warming closet door panels, oven, feed door and door and reservoir front panels are raised white porcelain. 2H1828 has 18 qt. porcelain lined reservoir.

2H182—Without reservoir. 1 in crate, 415 lbs.
Each, **$57,50**

2H182R—With reservoir. 1 in crate, 475 lbs.
Each **$63,50**

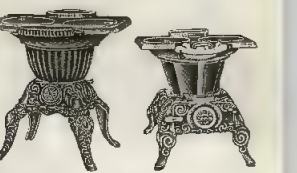


"PHOENIX" STEEL RANGES—For coal or wood 31 in. high, 36x38 top, 18x18x13 oven, six 8 in. holes, copper bearing non-rust steel plate body, hand riveted, not affected by expansion or contraction, insulated with asbestos mill board, heavy fire box, 1 piece fire back, extra heavy cold rolled steel oven, nickel base strip and front legs, oven door panel and splasher back or warming closet are white porcelain enamel.

2H1822—Without reservoir. 1 in crate, 323 lbs.
Each, **$57,50**

2H8323. With 18 qt. porcelain lined reservoir, 1 in crate, 383 lbs.
Each **$66,50**

LAUNDRY STOVES



2H8347—"Belmont," large top, large base section, well mounted and substantial, two 8 in. holes, short center, swing feed door. For any kind of fuel. 1 in crate, 43 lbs.
Each, **$4,25**

2H8348—"Stratford," octagonal fire pot, scroll pattern base and legs, large fire pot, shaker and dump grate, nickel plated screw damper, swinging pouch feed, full size two 8 in. holes with center and covers, can be used for heating and cooking. 1 in crate, 65 lbs.
Each, **$7,50**

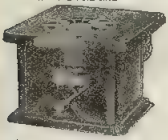
Our Prices On Stove Sundries Are Very Low. Turn To a Nearby Page For This Big Value Line.

OIL STOVES

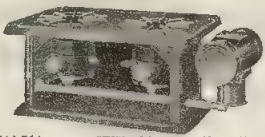
How can we push oil stove prices so low? By uniting the wants of our 5 big houses in orders that bring costs down to bed rock.

"CAPITOL" TESTED WICKLESS OIL STOVES

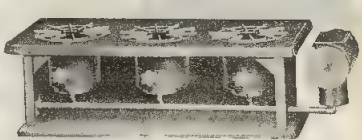
Guaranteed blue flame, efficient and serviceable. We challenge you to find the equal of these stove values anywhere else in the world
Wickless, full cabinet frame, 1 piece steel, hard baked black japanned, decorated, loaded steel burners, loaded steel tank, ½ gal. positive shutoff, perfect combustion. Each tested
Instruction card with each



2H3504 1 burner, 14x14 top, 10 in. high — 1 in crate, 19 lbs. Each, **$3.75**



2H3505—2 burners, 14x22 top, 10 in. high — 1 in crate, 27 lbs. Each, **$4.85**



2H3506—3 burners, 14x33, 10 in. high — 1 in crate, 35 lbs. Each, **$6.75**

"NESCO PERFECT" WICK OIL COOK STOVES—Blue Flame

Noted for their great efficiency and economy. One of the most widely advertised and biggest selling lines of stoves on the market. The demand is created and you get the benefit when you display these stoves.

FREE
Display cards, window streamers, etc., on request

31 in. high to cooking top, highly finished cold rolled steel black japanned top and legs, blue japanned burners all other parts Nesco gray japanned, nickeled trimmings. 1 gal. heavy glass tank fitted into self feed lift valve. "Nesco" blue flame burners, no soldered joints. "Rockaway" asbestos and copper wick, lasts much longer than ordinary wicks, also heat quicker. Parts can be replaced at any time.

Without High Shelf Back

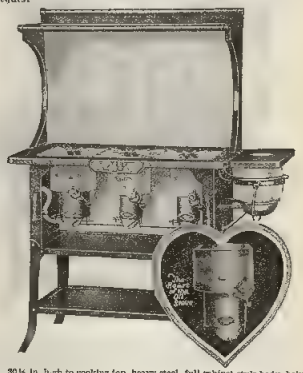
2H7207—2 burners,	32x17½	top.	1 in crate,	60 lbs.	Each,	$11.55
2H2208—3	"	48x17½	"	1 "	" 70 "	" "	14.65
2H2299—4	"	53x17½	"	1 "	" 91 "	" "	18.65

With Plain High Shelf Back

2H2300—3 burners,	33x17½	top.	1 in crate,	88 lbs.	Each,	$15.05
2H2301—3	"	48x17½	"	1 "	" 103 "	" "	18.85
2H2302—4	"	53x17½	"	1 "	" 113 "	" "	24.00
2H2305—WICKS for above stoves						Doz.	2.10

GIANT "STRATFORD" WICK OIL COOK STOVES

These stoves have the famous "Kerogas" burners, powerful quick heat, no soot, no odor, no smoke, no waste. One new "Giant" Burner on each stove. More cooking at less cost. OPERATE LIKE A GAS RANGE. FREE display cards, window streamers, etc., on request.



30½ in. high to cooking top, heavy steel, full cabinet style body, baked Japan finish. "Kerogas" burners made of genuine brass drawn out of one solid piece, leakproof and rustproof, fitted with one extra large or "Giant" burner, finer drawn white porcelain enameled, effective wick raiser and regulator, glass oil tank.

Without High Shelf Back

2H7882—2 burners,	25½x17½	top	1 in crate,	58 lbs.	Each,	$13.50
2H7883—3	"	35 x17½	"	1 "	" 72 "	" "	17.50
2H7884—4	"	43¼x17½	"	1 "	" 84 "	" "	21.50

With Plain High Shelf Back

2H7884—2 burners,	25½x17½	top.	1 in crate,	58 lbs.	Each	$17.35
2H4585—3	"	35 x17½	"	1 "	" 72 "	" "	22.25
2H4586—4	"	43¼x17½	"	1 "	" 84 "	" "	27.25

With White Enameled High Shelf Back

2H4587 2 burners,	25½x17½	top	1 in crate,	58 lbs.	Each,	$19.35
2H4588—3	"	35 x17½	"	1 "	" 72 "	" "	25.00
2H4589—4	"	43¼x17½	"	1 "	" 84 "	" "	30.50

"AUTO FEED" WICKLESS OIL COOK STOVES

Burn like a gas range, not like a lamp. "Auto Feed" stoves are noted all over the world for their satisfaction-giving qualities. FREE display cards, window streamers, etc. on request.

30½ in. high to cooking top, wickless, full cabinet style, heavy steel body, finished in baked black enamel, striped with gold, one piece solid brass burners, rust and leakproof burner drums finished in gray vitreous enamel, glass oil tank.

Without High Shelf Back

2H3520 2 burner	25½x17½ top	1 in crate 67 lbs.	Each,	$12,50
2H3521 3 burner,	35x17½ top	1 in crate 80 lbs.	Each,	$16,50
2H3523—4 burner,	43½x17½ top,	1 in crate, 98 lbs.	Each.	$19,85

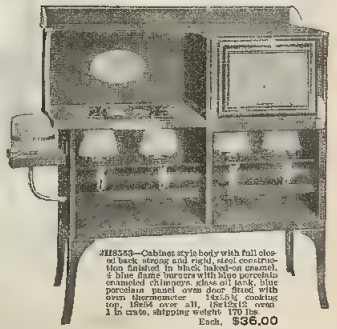
With Plain High Shelf Back

2H3524 2 burners	25 x17½ top.	1 in crate 92 lbs.	Each	$16,35
2H3525 3 burners,	35x17½ top.	1 in crate 115 lbs.	Each,	$21,25
2H3926 4 burners,	43½x17½ top	1 in crate, 138 lbs	Each.	$25,60

With White Enameled High Shelf Back.

2H3637 2 burners,	25½x17½ top.	1 in crate, 92 lbs.	Each.	$18,35
2H3638 3 burners	35x17½ top.	1 in crate 115 lbs.	Each	$24,00
2H3640—4 burners,	43½x17½ top	1 in crate, 138 lbs.	Each,	$28,65

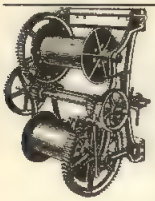
WICKLESS OIL RANGE—Built-on Oven



2H3553—Cabinet style body with full closed back strong and rigid, steel construction finished in black baked-on enamel. 4 blue flame burners with blue porcelain enameled chimneys, glass oil tank, blue porcelain panel oven door fitted with oven thermometer, 14x15½ cooking top, 18x24 over all, 18x13x12 oven 1 in crate, shipping weight 170 lbs.
Each, **$36,00**

Sasgen Winches

Furnished For Any Class of Work



SASGEN DOUBLE DRUM DOUBLE-PURCHASE WINCH

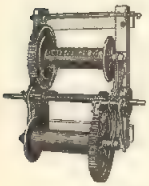
Gears and Frame Made of Best Malleable

No	Diameter and length of Drum, Inches	Diameter of Gear and Pinion, Inches	Lift 2 Men 2 Lines Lbs.	Lift 2 Men 4 Lines Lbs.	Price Each
150	9 x 14	22 x 15—4	10,000	20,000	
151	9 x 16	" "	"	"	
152	9 x 18	" "	"	"	
153	9 x 20	" "	"	"	
154	9 x 22	" "	"	"	

SASGEN SINGLE DRUM DOUBLE-PURCHASE WINCH

Gears and Frame Made of Best Malleable

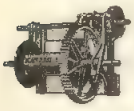
No	Diameter and length of Drum, Inches	Diameter of Gear and Pinion, Inches	Lift 2 Men 2 Lines Lbs.	Lift 2 Men 4 Lines Lbs.	Price Each
160	9 x 14	22 x 15—4	10,000	20,000	
161	9 x 16	" "	"	"	
162	9 x 18	" "	"	"	
163	9 x 20	" "	"	"	
164	9 x 22	" "	"	"	



SASGEN DOUBLE DRUM SINGLE-PURCHASE WINCH

Gears and Frame Made of Best Malleable

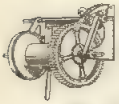
No	Diameter and length of Drum, Inches	Diameter of Gear and Pinion, Inches	Lift 2 Men 2 Lines Lbs.	Lift 2 Men 4 Lines Lbs.	Price Each
140	5 x 14	18 x 1	3,000	6,000	
141	5 x 16	" "	"	"	
142	5 x 18	" "	"	"	
143	7 x 14	" "	"	"	
144	7 x 16	" "	"	"	
145	7 x 18	" "	"	"	
146	7 x 20	" "	"	"	
147	7 x 22	" "	"	"	



SASGEN SINGLE DRUM SINGLE-PURCHASE WINCH

Gears and Frame Made of Best Malleable

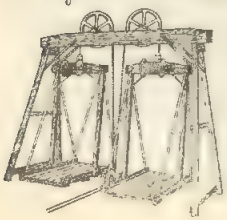
No	Diameter and length of Drum, Inches	Diameter of Gear and Pinion, Inches	Lift 2 Men 2 Lines Lbs.	Lift 2 Men 4 Lines Lbs.	Price Each
129	5 x 12	18 x 1	3,000	6,000	
130	5 x 14	" "	"	"	
131	5 x 16	" "	"	"	
132	5 x 18	" "	"	"	
133	7 x 14	" "	"	"	
134	7 x 16	" "	"	"	
135	7 x 18	" "	"	"	
136	7 x 20	" "	"	"	



SASGEN SMALL SINGLE DRUM SINGLE-PURCHASE WINCH

Gears and Frame Made of Best Malleable

No	Diameter and length of Drum, Inches	Diameter of Gear and Pinion Inches	Capacity 1 Man 2 Lines Lbs	Capacity 2 Men 4 Lines Lbs.	Price Each Without Bushings / With Bushings
109	4 x 8	12 x 3	2,000	4,000	
110	"	"	"	"	



Sasgen Material Elevator

Double or Single Cage

Cages are built of oak wood and well braced with iron rods. The truss beam is oak wood firmly bolted together, provided with suitable sheaves mounted on steel shafts, equipped with malleable iron boxes.

Price, without guides. **Double Cage 3'x5 6"**
Price, without guides. **Double Cage 44"x6'**
Price, without guides of **Single Cage 4'x6'**
Brake attached for horse power, extra . .
⅝" diameter cable for hoist line, per foot
Price for guides, per lineal foot . . . . . .

Multiply Man-Power with Sasgen Winches.

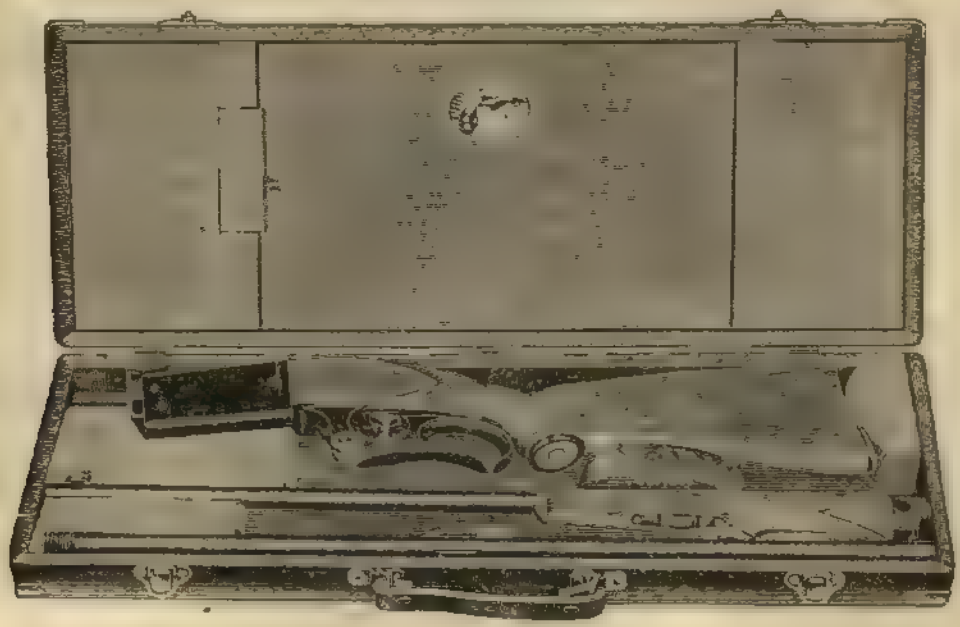
Savage Bolt-Action Repeating Rifle
Sporting Model 1920

SPORTING MODEL 1920, solid frame tapered high pressure steel barrel with integral front sight base, checked pistol grip stock and fore-stock, pistol grip capped, oil finished one-piece stock, corrugated trigger, corrugated steel shot gun butt-plate, white metal front and flat top sporting rear sights, magazine capacity five cartridges.

No. 7625—250-3000 caliber, 22 inch barrels, w't each 6 lbs., ... each **$84.00**

No. 7630—300 caliber, 24 inch barrel, w't each 6½ lbs., ... each **$84.00**

SAVAGE COMBINATION KITS



The Savage Combination Kit is a combination of the Model 1899, 300 Savage take down, pistol grip, 24 in. barrel, rifle and the 410 gauge 24 in. shot gun barrel, put up in an attractive black leatherette carrying case with cleaning rod. This kit offers the retailer an effective display outfit and the consumer a convenient carrying case, as well as a case in which to keep the rifle and extra shot gun barrel when not in use. For this outfit the factory selected the most attractive style of Model 1899 Savage take down rifle with extra full, checkered pistol grip stock and forearm, 24 in. barrel, (our No. 7330TD), chambered for the new .300 Savage Cartridge. There will be NO DEVIATION from the style or caliber of rifle. Cases are not sold separately and will be furnished only on orders specifying complete units of a .300 Savage rifle and extra 410 gauge shot gun barrel as described above. Price of the .300 Savage Combination Kit will be the combined prices of rifle and extra 410 ga. barrel with no additional charge for the case.

No. 40—Savage Combination Kit containing one M1899-300 cal. Savage take down rifle, checkered pistol grip stock and forearm, 24 in. barrel, cleaning rod and 410 gauge extra shot gun barrel, complete with carrying case, w't 13 lbs., each **$97.20**

RIFLES

SAVAGE REPEATING

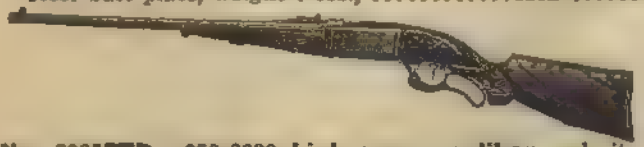
MODEL 1899

Smokeless steel barrel, blued frame and breech bolt, case hardened lever, 6 shots, indicator to tell how many cartridges in magazine, hammerless, with indicator to tell if gun is cocked, and safety catch. Sporting wind gauge rear and blade front sights. American walnut stock and fore-end, center fire.

FEATHERWEIGHT TAKE-DOWN

No. 7322FTD—.22 High Power caliber, velocity 2800 ft. per second, 20 in. round barrel, shot gun butt, corrugated steel butt plate, w't 6¼ lbs. .....each $73.50

No. 7327FTD—250-3000 caliber, velocity 3000 ft. per second, 22 in. round barrel shot gun butt, corrugated steel butt plate, weight 7 lbs., ...each $73.50



No. 7325FTD—.250-3000 high power caliber, velocity 3000 ft. per second, 22 in. round barrel, shot gun butt, corrugated steel butt plate, **checkered pistol grip, checkered trigger,** w't 7 lbs. .....each $81.20

REGULAR WEIGHT, SOLID FRAME

No. 7306—.303 caliber, 26 in. round barrel, steel rifle butt plate, w't 7¼ lbs. .....each $62.00

No. 7506—.30-30 caliber, 26 in. round barrel, steel rifle butt plate, w't 7¼ lbs. .....each $62.00

REGULAR WEIGHT, TAKE-DOWN

No. 7306TD—.303 caliber, 26 in. round barrel, steel rifle butt plate, w't 7¼ lbs. .....each $70.00

No. 7506TD—.30-30 caliber, 26 in. round barrel, steel rifle butt plate, w't 7¼ lbs. .....each $70.00

SADDLE GUN, TAKE-DOWN

No. 7302TD—.303 caliber, 22 in. **round** barrel, shot gun butt, corrugated steel butt plate, w't 7 lbs. 10 oz., each $70.00

FEATHERWEIGHT, TAKE-DOWN

No. 7320FTD—.303 caliber, 20 in. **round** barrel, steel rifle butt plate, w't 7 lbs. .....each $73 50

No. 7520FTD—.30-30 caliber, 20 in. **round** barrel, steel rifle butt plate, w't 7 lbs. .....each $73.50

SADDLE GUN, SOLID FRAME

No. 7302—.303 Caliber, 22 in. **round** barrel, shot gun butt, corrugated steel butt plate, w't 7 lbs. 10 oz., each $62 00

No. 7502—.30-30 caliber, 22 in. **round** barrel, shot gun butt, corrugated steel butt plate, w't 7 lbs. 10 oz., each $62.00

ALL ABOVE. ONE IN A CASE

NEW SAVAGE .300 CARTRIDGE RIFLES

FOR BIG GAME

The Savage .300 cartridge has been developed in answer to demands made by shooters all over the world for a cartridge attaining the ballistics of the .30 caliber government cartridge, but of distinctly sporting type for use in sporting arms. This cartridge measures only 2⅜ in. over all, while the Springfield government is 3 5/16 in. long. It is of the rimless type, loaded with a 150 grain "Spitzer" point bullet, similar to the 22 S. H. P and 250/300 cartridges.

Ballistics of the .300 cartridges are the same as are obtained from the Government Springfied Cartridges.

	Muzzle	200 yds.	200 yds.	200 yds.
Energy, foot pounds ...	2426	2034	1686	1392
Velocity, foot pounds ..	2700	2465	2244	2039
Mid Range tro-jectory..		.66	2.9	7.1

Recoil is slightly less than that of the Springfield Army rifle and the range far beyond average hunting requirements.

Model 1899—Pistol Grip, Feather Weight

No. 7330FTD— 300 caliber, 24 in. round barrel, take-down, shot gun butt, checkered, full pistol grip stock and fore-arm, corrugated steel butt plate, checkered trigger, white metal bead front sight, flat top sporting rear sight, w't about 7 lbs. 10 oz. .....each $81.20

Model 1899—Regular Weight, Take Down

No. 7006TD—300 caliber, 26 in. round barrel, take-down steel rifle, butt plate, white head front sight, flat top sporting rear sight, w't about 8 lbs. .....each $70.00

Model 1899—Featherweight, Take Down

No. 7020FTD—300 caliber, 24 in. round barrel, take-down, steel shot gun butt plate, w't about 7 lbs., each $73.50

THE .410 GAUGE, SAVAGE EXTRA BARREL

Can be easily adjusted on any model '99 Savage Take-down rifle. Just "take-down" your rifle and substitute the 410 gauge barrel for the regular rifle barrel. The operation is simply and easily done, requires no tools. When ordering be sure to specify if rifle is a feather-weight, take-down or regular, take-down rifle.

No. 410—.410 gauge, for the following model 1899 Savage Rifles: 7322FTD, 7325TD, 7306TD, 7506TD, 7320FTD, 7520FTD, w't each 1½ lbs. .....each **$16.00**

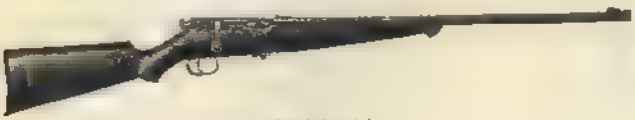
SAVAGE RIFLES

MODEL 23 "SPORTER"

Repeating Bolt action. American walnut one piece stock and forearm, full curve pistol grip, rubbed varnish finish. Detachable, box type magazine holds five cartridges

Rocky mountain knife blade front sight, flat top elevator adjustment rear sight.

Half cock on opening stroke, full cock in closing, reducing cocking effort to minimum. Camming action of bolt on opening stroke gives strong primary extraction



Model 23A

Models 23B and 23C

Extra magazines furnished free with the three "Sporter" models.

These models have additional rear locking lug on bolt into receiver.

Model	Caliber	Fire	Barrel	Packed	Weight	Each
23A	.22 long rifle	Rim	23 in. round	1	6 lbs.	$18.50
23B	.25-20	Center	25 in. round	1	6 lbs.	22.50
23C	.32-20 (.32 Win.)	Center	25 in. round	1	6 lbs.	22.50

SLIDE ACTION

Model 25

Take down, hammerless, repeater. American walnut stock with pistol grip and steel butt plate.

White metal bead front sight, adjustable flat top sporting rear sight.

Magazine holds 20 short, 17 long or 15 long rifle.

SINGLE SHOT

Model 04

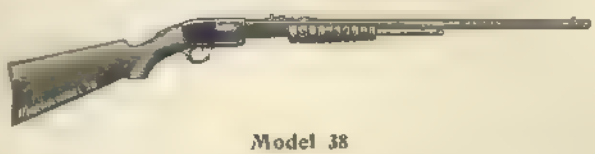
Take down, bolt action, single shot. Varnished American walnut stock, shot gun butt with steel butt plate.

Bead front sight, adjustable flat top rear sight.

Chambered for .22 long rifle, shoots short and long

Model	Caliber	Fire	Barrel	Packed	Weight	Each
25	.22 short, long, long rifle	Rim	24 in. octagonal	1	5¾ lbs.	$21.75
04	.22 short, long, long rifle	Rim	18 in. round	1	3 lbs.	7.95

MARLIN REPEATING RIFLES



Model 38

Take down, hammerless, solid top, closed in frame, side ejection slide action. American black walnut, full pistol grip butt stock with hard rubber butt plate. Ivory bead front sight, flat top Rocky Mountain rear sight. Half magazine holds 15 shots.

Model	Caliber	Fire	Barrel	Packed	Weight	Each
38	.22 short, long, long rifle	Rim	24 in. round	1	5¼ lbs.	$25.80
38	.22 short, long, long rifle	Rim	24 in. octagon	1	5¼ lbs.	26.30

SAVAGE REPEATING RIFLES

MODEL 99 HI-POWER

Hammerless, solid breech lever action. Hi-pressure steel barrel, polished breech bolt, case hardened lever, blued receiver. Varnished American walnut stock and forearm with steel butt plate. White metal bead front sight, adjustable flat top sporting rear sight.

Six shots, magazine capacity five cartridges. Rotary box type magazine with numeral indicator. Hammer indicator showing automatically, cocked or fired position of hammer.

REGULAR

Models 99A and 99B

Round medium weight barrel, rifle butt plate

Model	Frame	Caliber
99A	solid	.30 30, .303, .300
99B	take down	.30-30, .303, .300
99E	solid	.22 Hi-Power
99E	solid	.30-30, .303, .250-3000
99E	solid	.300
99F	take down	.22 Hi-Power
99F	take down	.30-30, .303, .250-3000
99F	take down	.300

FEATHERWEIGHT

Models 99E and 99F

Round barrel, shotgun butt

Fire	Barrel	Packed	Weight	Each
center	24 in.	1	7⅛ lbs.	$41.00
center	24 in.	1	7⅛ lbs.	46.00
center	20 in.	1	6½ lbs.	41.00
center	22 in.	1	6¾ lbs.	41.00
center	24 in.	1	7⅛ lbs.	41.00
center	20 in.	1	6½ lbs.	46.00
center	22 in.	1	6¾ lbs.	46.00
center	24 in.	1	7⅛ lbs.	46.00

Model 99G

Round barrel. Checkered walnut stock and forearm, full pistol grip, corrugated steel butt plate on shotgun butt.

Checkered trigger.

Model	Frame	Caliber
99G	take down	.22 Hi-Power
99G	take down	.30-30, .303, .250-3000
99G	take down	.300
99K	take down	.22 Hi-Power
99K	take down	.30-30, .303, .250-3000
99K	take down	.300

Model 99K

Same specifications as Model 99G, except for fancier checkering, pistol grip panels and grip cap, receiver and barrel are artistically engraved.

Lyman rear peep, folding middle and white metal bead front sights.

Fire	Barrel	Packed	Weight	Each
center	20 in.	1	6½ lbs.	$49.50
center	22 in.	1	6¾ lbs.	49.50
center	24 in.	1	7¼ lbs.	49.50
center	20 in.	1	6½ lbs.	80.00
center	22 in.	1	6¾ lbs.	80.00
center	24 in.	1	7¼ lbs.	80.00

CARBINE

Model 99H

Special medium weight barrel. Special carbine stock and forearm with steel butt plate

Model	Frame	Caliber	Fire	Barrel	Packed	Weight	Each
99H	take down	.30-30, .303	center	20 in.	1	6½ lbs.	$37.50

REPEATING

TAKE-DOWN HAMMERLESS

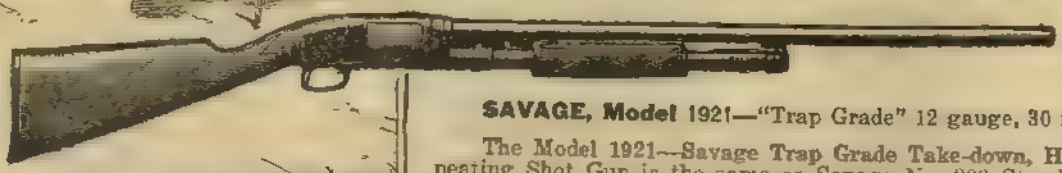
SAVAGE MODEL 1921

Positive top tang safety—when gun is not locked, the safety cannot be applied, thus serving as an indicator that gun is not cocked. Gun cannot be taken down with a live shell in the barrel. Magazine tube and action bar may be locked when taken down by turning down the magazine lever. It is impossible to turn the magazine into locking position unless the magazine tube is fully home. This prevents looseness between barrel and receiver and insures the proper sequence of take-down and assembling operations. The slide handle has steel ferrule at both ends of action slide handle giving increased strength and rigidity.

Solid Breech, solid top and side ejection, take-down, high pressure smokeless steel barrel full choke bore, Walnut stock, half pistol grip, length of stock from trigger to center of butt plate 14 in., drop comb 1½ in., drop at heel 2¾ in., moving parts enclosed, receiver channelled and matted in line of sight; 6 shot, solid rubber butt plate, w't 7 lbs.

No. 200—12 Ga. 30 or 32 in. barrel. . . . . each $53 50

No. 200R—12 Ga., 30 in. barrel, fitted with raised matted rib, full length of barrel, ea. 98.60

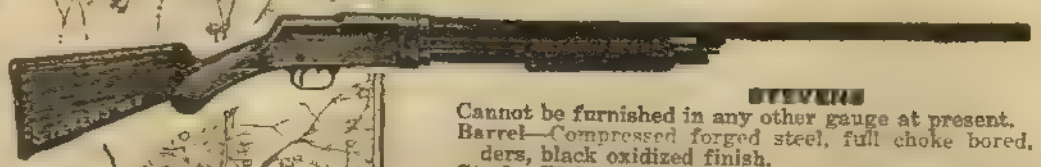


SAVAGE, Model 1921—"Trap Grade" 12 gauge, 30 in. full choke.

The Model 1921—Savage Trap Grade Take-down, Hammerless, Repeating Shot Gun is the same as Savage No. 200 Standard grade gun, excepting that it has a straight grip, checkered stock, varnish finished, with slide handle of selected walnut, checked and a 30 in. matted barrel. Stock specifications are, 1¾ in. drop at heel, 1 9/16 in. drop at comb, 14 in. length, w't 7½ lbs.

No. F201—Matted barrel★ . . . . . each **$113.50**

No. F201R—Raised matted rib★ . . . . . each **$128.60**



STEVENS

Cannot be furnished in any other gauge at present.

Barrel—Compressed forged steel, full choke bored, for nitro powders, black oxidized finish.

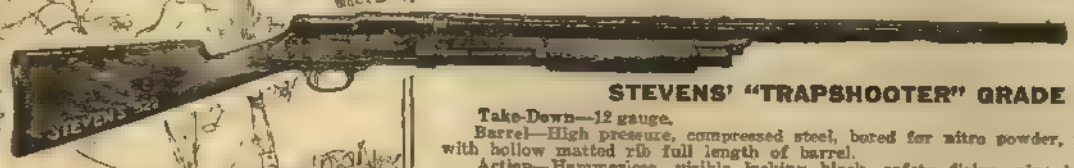
Stock—Walnut checkered pistol grip, length 13½ in., drop at heel 2⅝ in., rubber butt plate.

Frame—Solid drop forged receiver, matted top, visible loading block 6 shots, side ejection.

No. 2520—12 gauge, 30 and 32 in., full choke, w't about 7¾ lbs., each **$65.00**

Can be furnished with 26 or 28 in. barrel for factory shipment only.

ONE IN A CARTON



STEVENS' "TRAPSHOOTER" GRADE

Take-Down—12 gauge.

Barrel—High pressure, compressed steel, bored for nitro powder, full choked, fitted with hollow matted rib full length of barrel.

Action—Hammerless, visible locking block, safety firing pin, independent safety, side ejection.

Receiver—Drop forged, solid breech, matted top.

Stock—Fancy walnut, checkered straight grip, rubber butt plate, length 14 in., drop at comb 1½ in., drop at heel, 2¼ in.

NO DEVIATION from these specifications. Fancy walnut slide handle, checkered. Chambered for standard 12 gauge factory loaded shells up to 2¾ in. Six shots, five in magazine, one in chamber.

No. 2522—Trap shooter grade, 12 gauge, 30 in. full choke, w't 7¾ lbs. . . . . each **$110.00**

Supplied with 28 in. or 32 in. full choke bored barrels for factory shipment only.

ONE IN A CARTON

★ Items Marked Thus ★ Are Shipped From Factory Only.

SINGLE BARREL AND REPEATING GUNS

ITHACA

"VICTORY GRADE"

The Ithaca Victory Grade single barrel trap gun is a gun the shooters have been looking for—a thoroughbred single barrel trap gun at a popular price. While it is not as elaborately finished as the higher priced guns it has very good lines and is built to "stand the racket" of trap shooting. The Victory Grade gun comes only in the following standard dimensions and absolutely cannot be built to order.

Barrel is 12 gauge, 34 in., fitted with matted, ventilated top rib, brass front and rear sights, tuck straight grip, hand checkered, 14⅛ in. long, 1⅞ in drop at heel, 1½ in. drop at cone, fitted with recoil pad, "Beaver-Tail" hand-checkered fore-end. Frame, top lever, trigger plate, fore-end iron and guard, line engraved. Center position trigger, non-ejector.

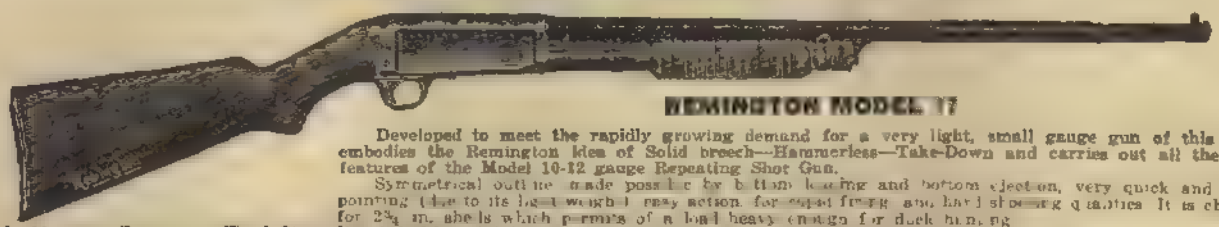
No. F8—12 gauge, 34 in. barrel, w't 8 to 8¼ lbs.★ ....each **$126.90**

NO. 4E GRADE

Barrel—Very high grade of fluid steel, exceedingly tough, hard and strong, especially adapted for nitro powder, ventilated rib, automatic ejector.
Stock—Well finished walnut, full or half pistol or straight grip, carefully hand checkered and figured gold shield in stock, beaver tail fore-end, hard rubber butt plate.
Frame—Engraved with trap shooting scene on one side and American Eagle design on the other, hardened and polished trigger, equipped with lightning lock bolted at three points, will stand the continuous strain of heavy trap loads, hammerless.

No. F4E—12 gauge, 30, 32 or 34 in. barrel, w't 7¾ to 8¼ lbs.★ ....each **$211.55**

REMINGTON REPEATING HAMMERLESS TAKE DOWN



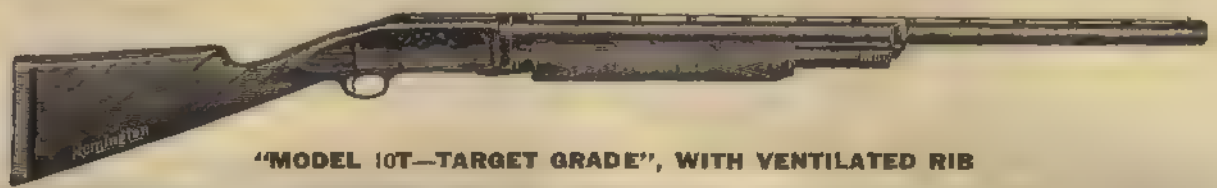
REMINGTON MODEL 17

Developed to meet the rapidly growing demand for a very light, small gauge gun of this type. It embodies the Remington idea of Solid breech—Hammerless—Take-Down and carries out all the popular features of the Model 10-12 gauge Repeating Shot Gun.

Symmetrical outline made possible by bottom loading and bottom ejection, very quick and accurate pointing due to its light weight, easy action for rapid firing and hard shooting qualities. It is chambered for 2¾ in. shells which permits of a load heavy enough for duck hunting.

Barrel—20 gauge Remington Fluid Steel, matted finish, solid breech, chambered to take shells from 2½ to 2¾ in. in length.
Stock—Walnut stock, half pistol grip, length 13¾ in., drop at heel 2⅝ in., drop at comb 1 9/16 in. Walnut fore-end.
Frame—5 shot, Model 17 Take Down, bottom loading and bottom ejection.

No. 2017—Plain barrel, 26 and 28 in. full, modified choke or cylinder bored, weight about 6 lbs. .....**each $85.30**
Will be supplied with 30 or 32 in. barrels for factory shipment only.



"MODEL 10T—TARGET GRADE", WITH VENTILATED RIB

The VENTILATED RIB and BARREL ARE ALL ONE, in other words, they are both built out of the same solid piece of steel, while in most arms of this type the ventilated rib is brazed or soldered on the barrel. The Remington ventilated rib will positively not curl up or buckle as may be the case with a rib brazed or soldered to the barrel.

Sighting—This gun permits the shooter to obtain a full view of the object aimed at, because the ventilated rib is so constructed that the gun shoots high, thus permitting a full view of the target.

A ventilated rib, practically eliminates heat waves, which rise above the barrel during continuous shooting and interfere with sighting, especially in warm weather.

Oil finish on the stock and fore end of this gun is more durable than the ordinary finish applied to most guns.

Barrel—12 gauge, 30 in. full choke, option of modified choke or cylinder bore, fitted with **raised matted ventilated rib.** Rear sight optional, but furnished only when specified.

Stock—Imported walnut oil finish, straight grip with option of half or full pistol grip, neatly checkered, full comb, fitted with soft rubber recoil pad of any make desired. Choice of any dimensions within the following limits—

Lengths from 13½ in. to 15 in.
Drops from 1½ in. to 3½ in. at heel.
Drops from 1½ in. to 1⅝ in. at comb.
Any other dimensions, subject to extra charge.

Fore End—Imported walnut, oil finish, long extension type, neatly checkered and shaped so as to afford a better grip and give better control over swing of the gun on sharp angles. Short fore ends, such as are regularly supplied on Model 10C Trap gun can be furnished if desired.

Frame—6 shot, bottom loading.

No. 190—12 ga., 30 in. Remingtn, full choke, 6 shot bottom loading, w't about 7¾ lbs ★ .... each **$200.80**

★ Items Marked Thus ★ Are Shipped From Factory Only.

The Most Famous Lure In America

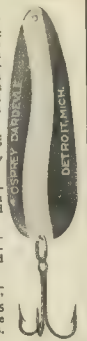
"DARDEVLE" gets them—that is the word sportsmen pass along to each other. And "Dardevle" does get them—that is why this is the most famous and biggest-selling lure in America.

Dealers everywhere report that "Dardevle" outsells any lure they ever handled.

Advertised nationally—all sportsmen know about it, and want it.

Put in an assortment. Liberal discounts. Prices quoted on the retail prices.

"Dardevle" 1 oz.—85 cents. "Dardevlet" 3/5 and 2/5 oz.—85 cents. "Dardevle Imp" ¼ oz.—65 cents.



"Nostealum" Insect Hooks

The Hooks that Hold Live Bait Firmly

EVERYBODY who fishes at all fishes with live bait—and they all have trouble with ordinary hooks by losing bait. They won't lose bait when using Osprey Nostealum Insect Hooks. Scientifically designed to *hold firmly* everything from a housefly to a shiner.

They sell themselves on sight. Order a full assortment. Retail prices from 15 to 55 cents, from which we allow liberal discounts.

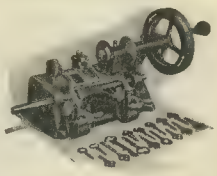
"Osprey" Waterproofed Line

YOU'VE known about this line, no doubt. It's been on the market for 20 years. It is so strong and durable, resists the destructive action of either salt or fresh water for a longer time than you think possible. Slides through the guides as smooth as can be.

Write for Samples and Prices

LOU J. EPPINGER
310-12 Congress St. East, Dept "U"
DETROIT, MICH.

CUTTING KEYS PROFITABLY



Two Machines in One

The Segal Rectifying Key Cutter

1. Cuts flat and grooved keys—all makes, Yale, Sargent, Segal, Corbin, Russwin, offset keys, etc.
2. No need to change cutters or guides.
3. Cuts from the lowest groove or back of key, as preferred.
4. Our one-piece vise holds keys firmly in place.
5. Cuts key in less than a minute.
6. Often makes an accurate duplicate out of an inaccurate blank. It *rectifies*.
7. Works by hand or power.

Write for our illustrated booklet.

P. S.—Protect your customer and increase your business with the S~~e~~*slock*. It is absolutely jimmy-proof.

SEGAL LOCK & HARDWARE CO.
155 Leonard Street
New York, N. Y.

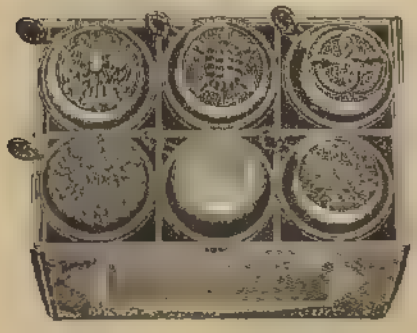
BICYCLE BELL ASSORTMENT

MASCOT

Any one of the bells can be sold independently of assortment. Bells individually boxed in a container.

No. 1670—Consists of 12 handsome 2¼ in. bells decorated in brilliant colors with unique mascot designs, flat top steel gongs electrically welded to hub of bell, tone unusually pure and free from clatter, w't per ass't 4 lbs., per ass't of 12 Bells $6.10

ZOO BELL ASSORTMENT



This assortment has proven to be very popular. The gongs are made of the best bell metal and brilliantly ornamented colors. The tones are sharp and musical.

ONE ASSORTMENT IN A CONTAINER

No. 1671—Assortment contains 12 bells, consisting of the following:

3 No. FDL,	3 No. 332B,
2 Turtle design,	1 Serpent,
1 Cherub,	1 Fox,

1 Jewel design.

The gongs are 2¾ in. in diam., w't per asst. 4¼ lbs.,
per assortment $7.70

ONE ASSORTMENT IN A BOX

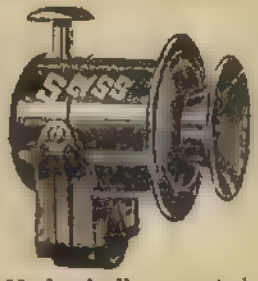
BICYCLE BELLS

2 inch nickle plated and polished, rotary alarm. Has bevel beaded, wrought steel gong.

No. 1668—W't per dozen 2¼ lbs.,
per dozen $3.50

ONE IN A BOX. ONE DOZEN IN A CARTON.

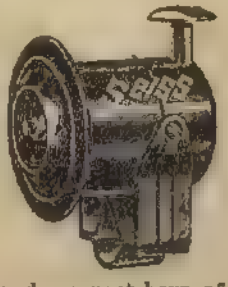
BICYCLE HORNS



Mechanically operated.

No. 1675—3½×3½ in., all wearing parts heat treated, finished in all black with baking enamel, toothed wheels passing over a hardened special steel adjusting contact point, universal bracket constructed so as to attach to either frame tube or handle bar cross tube, positive and simple in action, no small spring, ratchet or pawls to engage, a real push horn with auto tone, w't per doz. 12 lbs., per dozen $21.60

ONE IN A PACKAGE

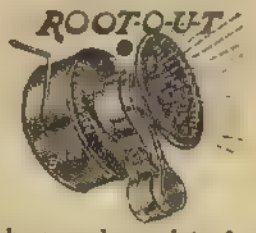


Neat and compact horn of standard push type. Positive and simple.

No. 1676—Mechanically operated, finished in all black with baked enamel, with bracket to attach to handle bar, toothed wheels pass over a hardened special steel adjusting contact point, w't per doz. 12 lbs .....per dozen $14.40

ONE IN A BOX

BICYCLE AND JUVENILE AUTO HORNS

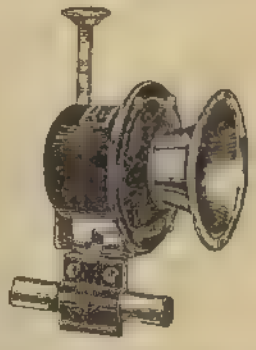


This horn makes a lot of noise for its size. Operated with a small wire crank. Children use their toy wagons, Kiddie Kars and Velocipedes because it looks and sounds like an auto horn. Each Root-Out is furnished with an adjustable clamp for attaching, any convenient place on the bicycle, or juvenile vehicle. Finished in black enamel baked.

No. 1677—**Root-O-u-t,** w't per doz. 2¼ lbs. .....per dozen $3.60

HALF DOZEN IN A BOX

MOTORCYCLE HORNS



No. T6038—115—**Stewart,** hand operated, finished in black enamel with nickel plated bell, complete with brackets to attach to handle bar or frame, w't each 4 lbs., each $6.70

ONE IN A BOX

SIREN ALARMS

No. 1680—High grade stamped steel frame, highly polished, outer drums of polished brass, nickel plated, ball bearing shaft with heavy fibre roller which runs on tire, being practically indestuctible, chain attachment, screen presed in., all parts interchangeable, w't per doz. 15 lbs., per dozen $17.28

ONE IN A BOX

BICYCLE HORNS

Pure rubber bulb, with bracket to fasten on handle bar.

No. 1674—All brass, 6 in. long, w't per doz. 2 lbs. .....per dozen $8.16

No. 1673—Full nickel plated, 8 in. long, w't per doz. 3 lbs., per dozen $10.08

ONE DOZEN IN A BOX

PEDOMETERS

Each step vibrates automatic mechanism, thus setting the cog wheels in motion and recording the distance walked by the wearer.

No. 1540—American, nickel plated, diameter 1⅞ in., registers 100 miles, w't each 2 oz., each $3.00

ONE IN A BOX

BOY SCOUT HIKEMETERS

Front. Back.

This instrument measures accurately the distance you walk, and the compass indicates the direction. Will slip into your belt, pocket or garter. Can be accommodated to any length of step. Accurate and reliable, nothing to get out of order.

No. 1541—Hikemeter and compass combined, gun metal finish, registers 100 miles, also each trip and can be reset, w't each 3 oz., each $4.30

ONE IN A BOX

NEW DEPARTURE SECURITY CYCLOMETERS

It is impossible for the mechanism to skip, fail or register inaccurately.

The numbers on the discs are black on a silver white background, and can be easily seen from the rider's position.

It occupies very little space on the wheel and is mounted out of the way of injury. This cyclometer can be fitted to the hub in a few seconds.

Records 10,000 miles, and repeats. Each is registered by tenths. Furnished for 28 in. wheels.

Handsomely finished in non-rusting nickel plate.

No. 1545-5—W't per doz. 1½ lbs., per dozen $18.00

ONE IN A BOX. ONE DOZEN IN A CARTON

CYCLOMETERS

No. 1546—Veeder, 28 in., registers 10,000 miles, nickel plated length 1⅛ in., w't per doz. 1½ lbs., per dozen $24.00

ONE IN A BOX

No. 1547—Veeder, trip 28 in., registers 10,000 miles with independent trip cyclometer, which registers 100 miles and can be quickly set back to zero, nickel plated, length 1⅞ in., w't per doz. 3½ lbs. per dozen $48.00

ONE IN A BOX

BICYCLE OILERS

No. 1535—Embossed brass, screw cap, nickel plated, height 2⅜ in., w't per doz. ⅜ lbs. ....per dozen $2.16

SIX DOZEN IN A BOX

No. 1536—Plain round, screw cap, with needle, nickel plated, height 3½ in., w't per doz. ⅜ lb., per dozen $1.92

ONE DOZEN IN A BOX

No. 1537—Oval, brass, screw cap, nickel plated, height 3½ in., w't per doz. ⅜ lb. .....per dozen $2.16

SIX DOZEN IN A BOX

No. 1538—Star, square, brass, screw cap, nickel plated, height 3⅛ in., w't doz., ⅜ lb. .....per dozen $3.60

ONE DOZEN IN A BOX

No. 1539—Perfect, round, brass, nickel plated, height 4 in., with shelf closing valve, w't per doz. ½ lb., per dozen $3.84

ONE DOZEN IN A BOX

AXE RACKS

SENSIBLE

Hardwood, Oil Finished; Top and Edges Painted Red and Varnished

Two of these Racks, Placed Back to Back, Form a Circular Receptacle for 84 Handled or Unhandled Axes.

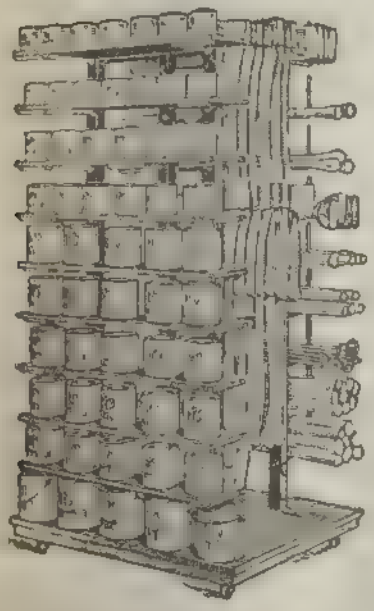
Showing Sensible Rack Displaying Handled and Unhandled Axes

Each

No. 4—Capacity 20 Axes, Handled or Unhandled; Length 22½ inches; Width 11¾ inches; Height 12¾ inches; Weight Each 26 lbs. $12.50

One in a Crate

WIRE CLOTH AND AXE RACKS



Holds 18 Rolls Wire Cloth for ready use and 18 Rolls for Stock. Cut shows Rack used for other purpose than Wire Cloth; will hold Three Dozen Axes Nicely and Display them to Good Advantage; Light Shelving can be Placed on Brackets and Many Other Articles can be Displayed; has Ball Bearing Casters and can Easily be Moved to any part of the Store; Saves Space, Time and Stock; Neatly Finished and Well Built; Takes a Floor Space of 31x36 inches.

Each

‡No. Milliners—6 feet High; Weight Each about 100 lbs. $38.00

One in a Crate, Knocked Down

Items Marked ‡ Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory, F. O. B. Miami, Okla.

BROAD AXES

Used for Hewing and Shaping Large Timbers, by Ship and Bridge Carpenters, Tie Makers, etc.

★DIAMOND EDGE

Highest Grade Refined Crucible Tool Steel; Properly Welded and Tempered; Accurately Shaped, Beveled and Ground, Right and Left Correctly Balanced. Made to Withstand Hard Usage and Give the Best Results.

★DIAMOND EDGE TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE

PENNSYLVANIA PATTERN

Hand Made; Natural Black Finish; Honed Bevel.

No. DEH25	7	7½	8
Weight, lbs.	11	11	11½
Width Cut, inches.	104	110	116
Weight per Dozen, lbs.	$78.00	88.00	88.00
Per Dozen			

Half Dozen in a Case

★DIAMOND EDGE TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE

CANADA PATTERN

Hand Made; Natural Black Finish, Honed Bevel.

No. DEH10	6½	7	7½	8
Weight, lbs.	10½	11	11	11½
Width Cut, inches.	98	104	110	116
Weight per Dozen, lbs.	$93 00	98.00	98.00	98.00.
Per Dozen..				

Half Dozen in a Case

★BRIDGE

Crucible Forged Steel Bit; Soft Steel Body; Extra Ground and Finished

★BRIDGE

Bridge

CANADA PATTERN

Fire Bronzed and Labeled; Polished Bit and Head.

No. BT10	6½	7
Weight, lbs.	10½	11
Width Cut, inches.	98	104
Weight per Dozen, lbs.	$97.00	97.00
Per Dozen		
Weight, lbs.	7½	8
Width Cut, inches.	11	11½
Weight per Dozen, lbs.	110	116
Per Dozen	$103.00	103.00

Half Dozen in a Case

BARTON

Crucible Tool Steel Bit; Soft Steel Body.

CANADA PATTERN

Black Finish; Polished Bit and Head.

No. B10	7	7¼	7½
Weight, lbs.	11	11	11
Width Cut, inches.	104	107	110
Weight per Doz., lbs.	$158 00	167 00	167 00
Per Dozen			
Weight, lbs.		7¾	8
Width Cut, inches.		11½	11½
Weight per Doz., lbs.		113	116
Per Dozen		$167.00	167 00
Weight, lbs.		8¼	8½
Width Cut, inches.		11½	12
Weight per Doz., lbs.		119	122
Per Dozen		$167.00	167.00

Half Dozen in a Case

CARPENTERS ADZES

*DIAMOND EDGE

HAND MADE

HALF HEAD; NATURAL BLACK FINISH

Hand Forged from Extra Quality Tool Steel; Crucible Steel Cutting Edge, Ground and Polished Hardened Laid Steel Head; Eye Punched from Solid Metal.

Lengths 9 to 10 inches

No.	DHC4	DAC4½
Width Cut, inches	4	4½
Weight Each, lbs.	4	4½
Per Dozen	$35.00	35.00

Half Dozen in a Case

*BRIDGE

HALF HEAD; BRONZED FINISH

(Red) Finish Body; Polished Bit and Head; Extra Quality Crucible Tool Steel Tempered Bit and Hardened Head; Soft Steel Body.

Length 9 to 10 inches

Nos.	BC3½	BC4	BC4½
Width Cut, inches	3½	4	4½
Weight Each, lbs.	3¾	4	4½
Per Dozen	$37.00	37.00	37.00

One Dozen in a Case

WHITE

HALF HEAD; JAPANNED BODY

Polished Bit and Head; Soft Steel Body; Crucible Forged Steel Bit; Hardened Head; Ground and Tempered Cutting Edge.

Length 9 to 10 inches

Nos.	WC4	WC4¼	WC4½
Width Cut, inches	4	4¼	4½
Weight Each, lbs.	3½-3¾	3¾-3¾	3½-3¾
Per Dozen	$73.00	73.00	73.00

Half Dozen in a Case

RAILROAD ADZES

*DIAMOND EDGE

FULL HEAD; BRONZED FINISH

Polished Bit and Head; Extra Refined, Highly Finished, Crucible Tool Steel; Oil Tempered, Ground and Sharpened Cutting Edge; Hardened Laid Steel Head; Eye Punched from Solid Steel

No.	DER5
Width Cut, inches	5
Weight Each, lbs.	4
Per Dozen	$37.50

Half Dozen in Case

*BRIDGE

FULL HEAD; BRONZED FINISH

Finish Body; Polished Bit and Head; Extra Quality Tool Steel Tempered Bit; High Carbon Steel Body and Head.

No.	BR5
Width Cut, inches	5
Weight Each, lbs.	4
Per Dozen	$40.00

Half Dozen in a Case

RAILROAD ADZES

*ROAD BOSS

FULL HEAD; BLACK FINISH; LABELED

One-Piece Solid Steel; Bit is Carefully Tempered and Ground.

Nos.	RB5
Width Cut, inches	5
Weight Each, lbs.	5¼
Per Dozen	$36.50

Half Dozen in a Case

SHIP CARPENTERS ADZES

*DIAMOND EDGE

SPUR HEAD; GOLD BRONZED

All Gold Bronzed Finish, with Exception of Cutting Edges; Polished Bit, Head and Spur; Extra Refined, Highly Finished, Crucible Tool Steel; Oil Tempered, Ground and Sharpened Cutting Edge; Eye Punched from Solid Steel.

Per Dozen

No. DEL4½—Width of Cut 4½ inches; Weight Each 2¼ lbs. $63.00

Half Dozen in a Case

*DIAMOND EDGE

HAND MADE

SPUR HEAD; PLAIN BIT

Dead Black Finish; Polished Cutting Edge; Highest Grade Crucible Cast Steel, Oil Tempered Bit

Per Dozen

No. DEH4—Width of Cut 4 inches; Weight Each, 3½ lbs. $44 00

No. DEH4½—Width of Cut 4 inches, Weight Each, 4 lbs. 44 00

Half Dozen in a Case

WHITE

SPUR HEAD; PLAIN BIT

Extra Refined Cast Steel; Japanned Body; Polished Head and Bit.

Nos.	W4	W4¼	W4½
Cut, Inches	4	4¼	4½
Weight Each, lbs.	2	2¼	2½
Per Dozen	$80 50	80 50	$86 00

Loose

A MAIL ORDER SENT PROMPTLY FOR GOODS NEEDED MAY RESULT IN KEEPING A GOOD CUSTOMER, WHO, DISAPPOINTED, WOULD HAVE DRIFTED TO SOME OTHER STORE TO TRADE.

KITCHEN CLOCK ASSORTMENTS

SESSIONS

Six Clocks in an Assortment

We Will Not Break an Assortment

The Above Three Styles Comprise the Grand Assortment

Height, 22¾ inches; Width, 15 inches at Base; 6 inch Dial, Roman Numerals, Wire Bell; Glass Doors, Gilt Decorated; Handsomely Carved Case.

Per Assortment

No. GRAND S—Six Clocks; Two of Each Pattern; 8 Day, Half Hour Strike **$44 00**

No. GRAND A—Six Clocks; Two of Each Pattern; 8 Day, Half Hour Strike, with Alarm **50.00**

No. GRAND S AND A—Six Clocks Assorted Patterns, 8 Day, Three Half Hour and Three Half Hour Strike with Alarm **46 00**

One Assortment in a Case, Weight per Assortment 71 lbs.

SESSIONS

***ADVANCE ASSORTMENT**

Height, 19 inches; Width, 15½ inches at Base; 6 inch Dial, Roman Numerals, Wire Bell; Doors, Glass Mahogany Finish Cases, Assorted Patterns.

Per Assortment

No. A1910—Six Clocks; Four 8 Day, Half Hour Strike and Two 8 Day, Half Hour Strike with Alarm; Weight per Assortment 64 lbs. **$58.00**

One Assortment in a Case.

Per Assortment

No. A1920—Six Clocks; Three 8 Day, Half Hour Strike and Three 8 Day Half Hour Strike with Alarm; Weight per Assortment 64 lbs. **$62.00**

One Assortment in a Case

OFFICE CLOCKS

GRESHAM PENDULUM

(Made by Ansonia Clock Co.)

8 Day Time; Round Oak Polished Veneer Case, Golden Finish; Glass Door; Roman Numerals; Without Second Hand.

Each

No. G12—12 inch Dial **$14 50**

One in a Box; Six in a Case; Case Weighs 84 lbs.

OFFICE CLOCKS

***NORLEIGH DIAMOND OCTAGON DROP**

(Made by the Sessions Clock Co., for Shapleigh Hardware Co.)

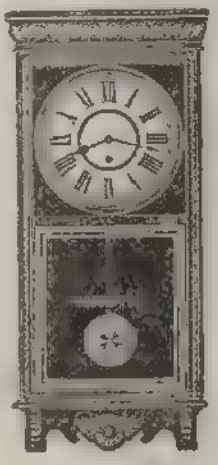
A Perfect Time Piece for Railroad Stations, Offices, General Stores, Factories, Government Purposes, Schools, Hotels and General Home Use.

To Run Perfectly, Clock Must be Hung Plumb; Should it Run Too Fast, Lengthen the Drop of the Pendulum; if Too Slow, Shorten the Drop.

Each

No. ND250—8 Day Time; 12 inch Dial; Polished Golden Oak Case; Glass Doors; Roman Numerals; Height, 17 inches **$17.00**

One in a Case; Weight 23 lbs.



REGULATOR E

(Made by Sessions Clock Co.)

8 Day Time; Oak Case; Fancy Carved Moulding and Trimmings, Golden Finish; Glass Doors; Roman Numerals; Height, 38½ inches.

Each

No. SE12—12 inch Dial **$17.50**

One in a Box, Three in a Crate; Crate Weighs 90 lbs.

REGULATOR E CALENDAR

(Made by Sessions Clock Co.)

8-Day Time and Calendar; Oak Case; Golden Finish; Glass Doors; Roman Numerals; Fancy Carved Mouldings and Trimmings.

Each

No. SEC12—12 inch Dial **$18 50**

One in a Box; Three in a Crate, Crate Weighs 90 lbs.

ALARM CLOCKS

★GOOD MORNING

A Bright, Little Alarm Clock—Not of Foreign but of Domestic Make—Which We Have Designed for Our Trade; Compact, Neat, Sizable, Easy to Set and Wind; Open and Distinct Dial, Easy to Read; Clear, Snappy Call.

Each

No. GM1—Top Bell; Nickel Plated Case; Height, 6 inches; Diameter, 4 inches; Weight Each, 1 lb..... **$2.00**
One in a Box; One Dozen in a Carton

Each

No. GM2—Back Bell; Nickel Plated Case; Height, 5 inches Diameter, 4 inches; Weight Each, ½ lb..... **$2.50**
One in a Box; One Dozen in a Carton

Each

No. GM3—Back Bell Intermittent; Nickel Plated Case, Height 6 inches; Diameter, 4½ inches..... **$3.65**
One in a Box; Two Dozen in a Carton

ALARM CLOCKS

★GOOD MORNING

A Bright Little Alarm Clock—Not of Foreign but of Domestic Make—Which We Have Designed for Our Trade; Compact, Neat, Sizable, Easy to Set and Wind; Open and Distinct Dial, Easy to Read; Clear, Snappy Call

Each

No. GM4—Back Bell Intermittent; Nickel Plated Case; Height, 7 inches; Diameter, 4½ inches; Weight Each, 2 lbs..... **$4.30**
One in a Box; One Dozen in a Carton

★OCTOPUS

Eight Day Time

Heavy Nickel Plated Case; Large Clear Numerals; Highest Quality Movement; Large Clear Gong on Back; Stem Shut-off for Alarm; To Shut Off, Press Raised Bal. Straight Alarm; if Alarm Runs at Midnight for Days, Will Only Once Every 8 Days

Each

No. 0—4½ inches in Diameter..... **$4.80**
One in a Box; Fifty in a Case; Case Weighs 110 lbs.

★NIGHTINGALE

An Excellent Alarm; Thoroughly Tested and Carefully Inspected.

If Properly Used, Will Run and Keep Good Time for at Least One Year; Open Dial, Distinct, Easy to Read; Snappy and Clear Call.

Each

No. 1916—30 Hour; Back Bell; Ball Shut Off Top of Stem, Nickel Plated Case; Height 5½ inches; Diameter 4⅜ inches; Weight Each ½ lb..... **$2.30**
One in a Case; Four in a Box

SHAPLEIGH SPECIAL BICYCLES

DELIVERY SERVICE MODEL

"ORIGINATED BY US"

This Bicycle is Acknowledged to Be the Most Satisfactory Ever Sold at the Price. It is Strictly Up-to-Date, Only Good Material is Used in Its Construction, Has Roller Chain, Shapleigh Special Hanger, Special Handle Bars, Wire Basket, Steel Stand and Good Service Tires. Dealers Will Find It to Be a Great Seller; Every Merchant Wants to Give Quick Service; This Model is the Answer.

SPECIFICATIONS

Basket—Special Galvanized Woven Wire; Size, 15x10x5 inches.

Bearings—Balls: $\frac{3}{16}$ inch in Head; $\frac{1}{4}$ inch in Crank Hanger; $\frac{1}{4}$ inch in Rear Hub; $\frac{3}{16}$ inch in Front Hub.

Carrier—Black Enameled Machine Steel.

Chain—Roller, $\frac{1}{2}$ inch, 1 inch Pitch.

Connections—One Piece Drop Forged Diamond Shape Fork Crown, Nickel Plated; Forged Seat Post; Cluster Bolt and Nut Fastening.

Crank Hanger—Shapleigh Special, One Piece; 7 inch Round Cranks; Highly Nickeled.

Enamel—Four Coats, Hand Polished; Black, with Double Hair Line Gold Stripes.

Frame—20 and 22 inch; One inch, Eighteen Gauge Tubing.

Guards—Front and Rear Enameled to Match Frame.

Handle Bar—Special 21x6; No. 30R Grips.

Hubs—Turned from Solid Bar Stock; Tool Steel Cones and Cups.

Pedals—Rat Trap, No. 1.

Rims—One Piece, Rock Elm; Enameled to Match Frame.

Saddle—No. 27R, with Universal Cushion Springs.

Spokes—14-16 Gauge.

Sprockets—26 Tooth Front, 9 Tooth Rear, $\frac{1}{2}$ inch.

Stand—No. 18, Channel Steel; Can be Raised or Lowered with Foot; Locks Automatically.

Tool Bag—No. 12; Contains Wrench and Pump.

Tires—Good Service **"Oil Proof"** Interlocking Red Diamond Tread No. 7028.

Wheels—28 inches.

Wheel Base—43 inches.

Weight Stripped—17 lbs.

	Each
No. 368—With Coaster Brake (See Specifications Above).....	**$55 30**

One in a Crate; Average Weight, Crated, 55 lbs.

EXTRAS

	Each
For Lamp No. 30CG	Add **$8 60**

NOTE—FOR DESCRIPTION OF TIRES SHOWN ON THIS PAGE, SEE PAGE 2436.

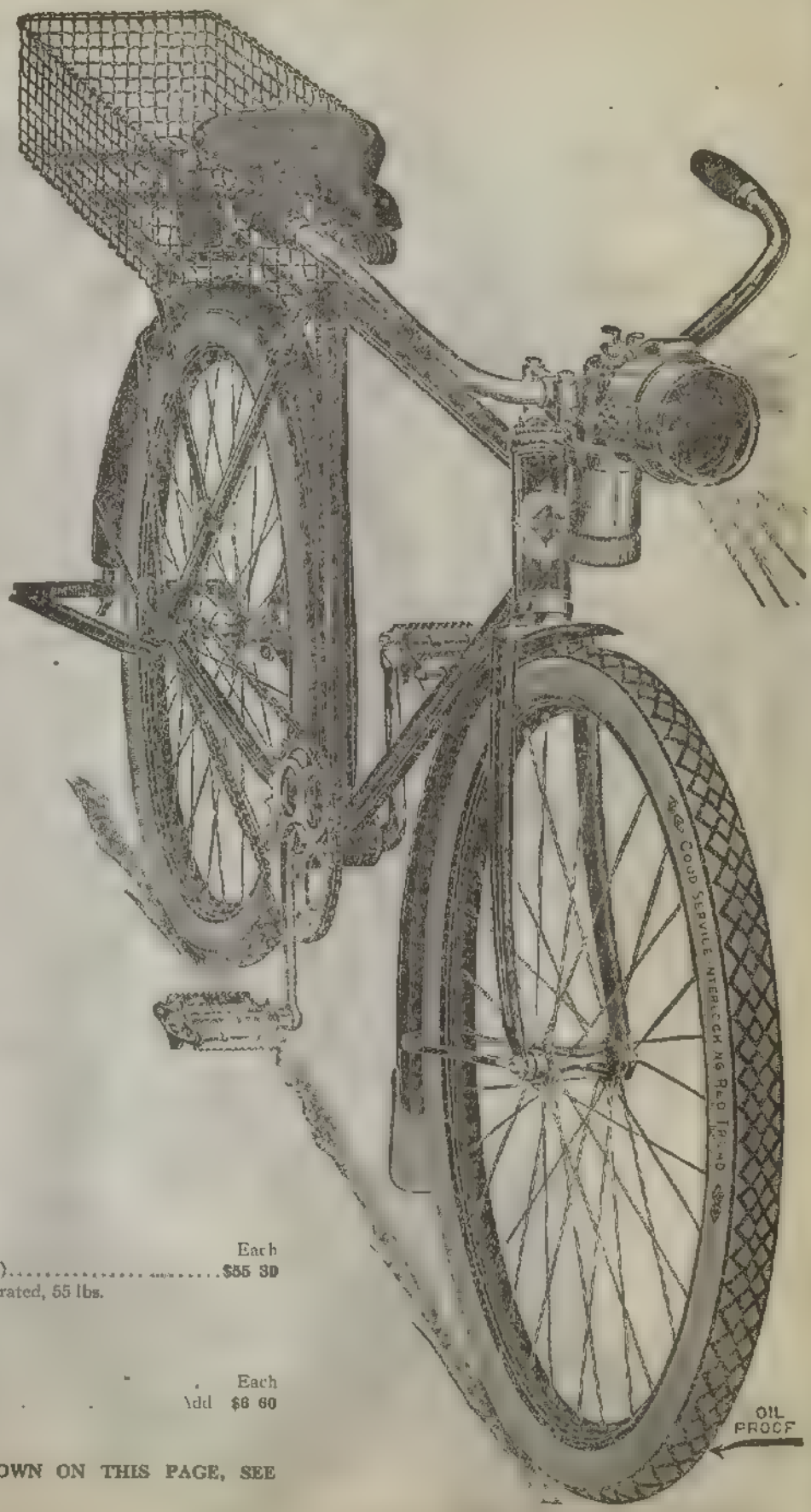


Illustration Shows No. 368 Bicycle

TRADE MARK REGISTERED "SHAPLEIGH" IN THE U. S. PAT. OFFICE.

SHAPLEIGH SPECIAL BICYCLE

LADIES' MODEL

"Originated By Us"

One of the Best Designed Ladies Bicycles On the Market Today, Graceful Lines, Strongly Constructed, Beautifully Enameled; Has Roller Chain, Shapleigh Special Hanger, Rugby Handle Bars, Rugby Saddle and Good Service Tires.

Illustration Shows No. 369 Bicycle

SPECIFICATIONS ON REGULAR MODEL

Bearings—Balls: $\frac{3}{32}$ inch in Head; $\frac{1}{4}$ inch in Hanger; $\frac{1}{4}$ inch in Rear Hub; $\frac{3}{16}$ inch in Front Hub.

Chain—Roller, $\frac{1}{2}$ inch.

Connections—One Piece Drop Forged Diamond Shape Fork Crown, Nickel Plated; Forged Seat Post; Cluster Bolt and Nut Fastening.

Crank Hanger—Shapleigh Special One Piece; 7 inch Round Cranks, Highly Nickeled.

Enamel—Four Coats, Hand Rubbed; Black, with Double Hair Line Gold Stripes.

Frame—20 inch; One inch, Eighteen Gauge Shelby Seamless Tubing.

Guards—Steel Front, Rear and Chain Guards, Enameled to Match Frame; Flap on Front Guard.

Handle Bar—No. R215 Rugby; No. 30R Grips.

Hubs—Turned from Solid Bar Stock; Tool Steel Cones and Cups.

Pedals—No. 20 Rubber.

Rims—One Piece, Rock Elm, Enameled to Match Frame.

Saddle—No. 27 Rugby.

Spokes—14-16 Gauge.

Sprockets—28 Tooth Front, 9 Tooth Rear; $\frac{1}{2}$ inch.

Wheels—28 inch.

Wheel Base—44 inches.

Weight Stripped—22 lbs.

COMPLETE BICYCLES

	Each
No. 369—Regular—(See Above Description); No. 3028 Good Service Tires	$53 80
No. 2B369—No. 2B High Grade Equipment 3028; Tires	54 70
No. 5C362—No. 5C High Grade Equipment; No. 90 Rugby Clincher Tires	59.30

One in a Crate; Average Weight, Crated, 50 lbs.

STRIPPED BICYCLES WITH COASTER BRAKE

Stripped Means Without Tires, Saddle, Pedals, Handle Bar or Tool Bag

	Each
No. 0369—With Coaster Brake	$42 50

Note—Above Prices Include Coaster Brake and Guards.

For Tool Bag, Wrench and Pump.....Add **1.00**

NOTE—FOR DESCRIPTION OF TIRES SHOWN ON THIS PAGE, SEE PAGES 2435 AND 2437.

THE NEW
SHERWOOD
DOUBLE DISC WHEEL SPRING COASTER

FINISH

Red enameled wheels, Black enameled bolsters, High lustre varnished body, Red trim

REASONS FOR SHERWOOD SUPREMACY

1. Patented STEEL SPRING SHOCK ABSORBERS—*flexibility and comfort.*
2. Guaranteed DOUBLE DISC STEEL WHEELS—*resilient and lasting.*
3. STEEL BOLSTER CONSTRUCTION—*durability with lightness and strength*
4. Friction-proof SELF-CONTAINED ROLLER BEARINGS—*speed and ease of operation.*
5. RUBBER or STEEL TIRES—*adaptable to town or country.*
6. Nickel plated HUB CAPS—*tone, and protection to clothing.*
7. Convenient HAND BRAKE—*safety.*
8. Selected WHITE ASH BODY, sides and ends removable—*convertable.*

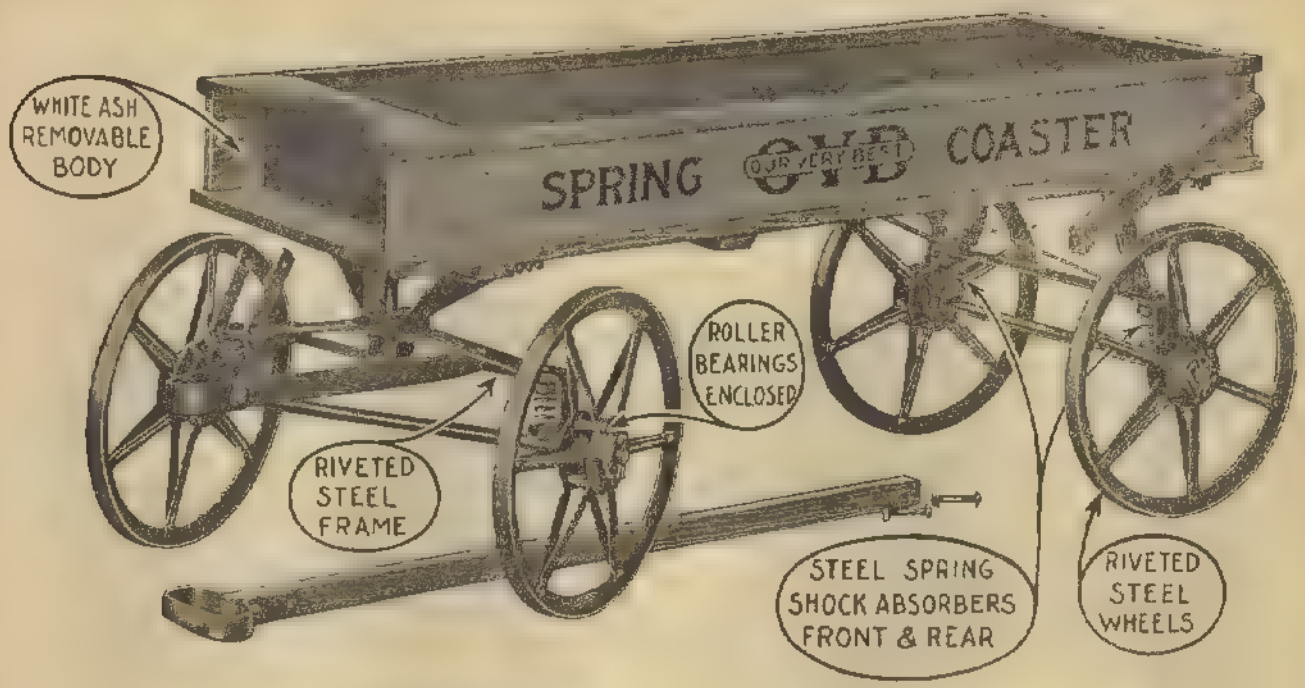
A POWERFUL COMBINATION OF PRACTICAL FEATURES AT IRRESISTIBLE PRICES

STEEL TIRES

No. N322—Body 14x32 in., wheel 8 in., w't each 35 lbs. .....per dozen $137.00
No. N340—Body 14x34 in., wheel 10 in., w't each 38 lbs. .....per dozen 151.30
No. N380—Body 16x38 in., wheel 10 in., w't each 42 lbs. .....per dozen 169.50

RUBBER TIRES

No. N3200—Body 14x32 in., wheel 8 in., w't each 35 lbs. .....per dozen $151.30
No. N3400—Body 14x34 in., wheel 10 in., w't each 38 lbs. .....per dozen .164.80
No. N3800—Body 16x38 in., wheel 10 in., w't each 42 lbs. .....per dozen 183.00



OYB SPRING COASTER

THE WORLD'S BEST COASTER WAGON

OYB SPRING COASTERS are recognized by the Jobbers and Dealers to be the leader for sales and profits.

WHY? Because OYB was built for SERVICE, STRENGTH and DURABILITY. For easy riding the OYB is in a class by itself.

Follow the black arrows and read the reasons why OYB excels.

For Five Years the boys' most famous coaster.

Order now!

Increased manufacturing facilities enable us to make early and prompt shipments.

Sizes and List Prices

Stamped Steel Wheels

No. N228—Body 12x28 in., wheel 8 in., w't each 25 lbs.	per dozen	$118.80
No. N232—Body 14x32 in., wheel 8 in., w't each 31 lbs.	per dozen	128.30
No. N234—Body 14x34 in., wheel 10 in., w't each 34 lbs.	per dozen	137.00
No. N238—Body 16x38 in., wheel 10 in., w't each 38 lbs.	per dozen	155.20
No. N240—Body 18x40 in., wheel 10 in., w't each 43 lbs.	per dozen	178.00

George Cohan Stories for Principal

Lessers Will Produce for a Starter "The Meanest Man in the World," with Playwright Actively Co-operating

George M. Cohan, the famous American author-playwright-composer-producer - actor, has entered into a contract with Sol Lesser, Irving Lesser and Michael Rosenberg of Principal Pictures Corporation whereby that organization will immediately start the filming of Cohan stage successes. All contracts have been signed, O'Brien, Malevinsky & Driscoll representing Mr. Cohan and Nathan Burkan acting for Principal Pictures.

The first George M. Cohan productions to be made by Principal Pictures Corporation will be "The Meanest Man in the World," one of his most recent and most successful productions. Immediately upon his arrival in New York last week Irving Lesser went into conference with Mr. Cohan, and an agreement was made whereby the latter will go to Los Angeles to oversee the production of his plays. He will cooperate in the making of the first for which an all-star cast is now being assembled. A well-known director will supervise the production.

Commenting on the Cohan deal Irving Lesser said: "The deal whereby we become associated with Mr. Cohan involved the expenditure of a lot of money. However, we have every confidence in the future of the open market, and this deal is representative of the big things that we have under way."

Work on the Cohan production will begin shortly at the Principal Studios, formerly known as the King Vidor Studios. This plant was acquired by Principal Pictures Corporation several weeks ago.

Schlank Says Short Stuff Is the Strongest Card of Independents

Returning from a six weeks sales trip, touching practically every distribution centre in the country, Morris R. Schlank, president of the Anchor Film Distributors, Inc., has arrived in Hollywood, his headquarters, enthusiastic over the year's prospects.

In a form letter to prospective and actual producers for Anchor Mr. Schlank states:

"The independent field today offers a better opportunity for producers than the so-called 'national' distributors; that is my honest opinion. I mean by that, that the producer, if his pictures are quality ones through, can get quicker action on his money through state rights distribution than any other channel. The royalties are now being paid in cash and the C. O. D.'s are picked up much better than a year ago. The state rights exchange is prospering and will continue to prosper just as long as the products offered in that market measure up to the standard set by the average 'nationally distributed' picture.

"Short subjects are a state rights exchange's strongest card in bidding for theatre business, and my advice to producers is to 'hit the high spots' on their comedies. The market needs good comedies—especially gag films—and the producer who fills the bill has a fine chance to make exceptionally fine profits."

"April Showers" of Preferred Is Called "Irish Humoresque"

An unusually fine cast is announced for "April Showers," a Preferred Pictures production, released by the Al Lichtman Corporation. This big feature has been termed "The Irish Humoresque." Tom Forman is the director.

Those who will be seen in the production, according to B. P. Schulberg, president of Preferred Pictures, are Colleen Moore, Kenneth Harlan, Myrtle Vane, Priscilla Bonner, Harriet Hammond, Tom McGuire, James Corrigan.

Mr. Schulberg says that "April Showers" will be filled with scenes of splendor as well as screen drama of great dramatic power. Along the impressive features of the production is a submarine cafe which will be made in a set constructed of glass surrounded by water.

Hallroom Boys Are to Satirize Timely Topics and Stories

"Ten Knights in a Hallroom" is the amusing title that has been given a new Hallroom Boys Comedy, one of the popular series of two-reelers which C. B. C. is distributing to the state rights market.

It is announced that Jean Havez, in charge of comedy scenarios for C. B. C., has planned to make each comedy a satire on some timely topic, story, or picture that is occupying attention, and has already lined up the first four comedies he is making on the series, which are promised as real surprises. His first picture, "Day by Day—in Every Way," a satire on the Coue craze, has been attracting attention.

"There is something about a satirical comedy that people love," says Mr. Havez, "because it has a psychological reaction."

Speaking of the fashion in which leading comedians are giving up the making of two-reel comedies and going in for five-reel specials Mr. Havez says he believes this to be a mistake—and that it will only react in creating a great demand for the good two-reel comedy.

"Diversity of program is what has built up the motion picture business," is Mr. Havez's opinion. "A feature or two, a short comedy, a news or novelty reel—these are what the greater majority of the public want. While the leading comedians who have gone in for five-reel comedies make good ones, of course, still in many theatres where a one-feature program is the policy patrons are apt to be dissatisfied if that feature is also a comedy."

Principal Pictures Signs Three Foreign Contracts

Three foreign deals were closed this week by Irving Lesser, eastern manager of Principal Pictures Corporation. Mr. Lesser sold five Mounted Police Northwest plays starring and produced by Irving Cummings to the Educational Pictures, Ltd., of Canada.

S. A. Newman of London this week arranged for the distribution of "The World's a Stage," the Elinor Glyn special, produced by Principal, for the British Empire.

The Overseas Trading Company secured the distribution of "The World's a Stage" and "Environment" in Scandinavia.

Exploiting "Only a Shopgirl"

The Superior Screen Service of Utah, which holds territorial rights on the picture, has selected "Only a Shopgirl" for special advertising featuring above its other output, and has had new envelopes printed with "Only a Shopgirl" imprinted across the entire bottom of the envelope.

"The Red Trail" Is Norca's Third

It Is Described As a Sensational Animal Picture with Unusual Love Story from Pen of Lesley Mason

The third production of Norca Pictures, Inc., it is announced, will be "The Red Trail," a spectacular and sensational animal picture described as a story of chained passions on the edge of the white man's world. The story is by Lesley Mason, a veteran film writer who is thoroughly familiar with the elements that make for appeal to audiences, and Norca has every reason to believe that the production will meet with the success of its two previous features, "Just a Mother" and "Love's Old Sweet Song."

The picture has been screened several times in various exchanges handling Norca productions, and its general appeal and particularly its sensational "animal stuff" has resulted in many inquiries being received by R. C. Cropper, general manager of Norca Pictures, Inc., at his offices in the Loew State Theatre Building at 1540 Broadway, New York.

The hero of "The Red Trail" is John Glyn, who has buried himself for two years in a desolate consular post in the African jungle, following a domestic tragedy. He suspects the friendship of a native princess, the Princess Nyanza, who seems to wield an uncanny influence over beasts of the jungle, and compel them to carry out her desires. Through his battles with the brutes of the jungle, however, Glyn finds renewed strength to overcome his enemies, and there, on the fringes of civilization, finds a great love.

A spectacular electrical storm, animal fights and feats of strength, coupled with the unusual love story should serve to make "The Red Trail" a virile and exceptional screen attraction. Prints on the picture have already been shipped to the various exchanges marketing Norca productions.

THE LITERARY SENSATION!
READ BY HUNDREDS of THOUSANDS
"The PASSIONATE FRIENDS"
BY THE WORLD'S MOST FAMOUS AUTHOR
H.G. WELLS
MILLIONS WANT TO SEE THIS SCREEN CLASSIC

"SALLY" "IRENE"
and "MARY"
"MOLLY O" "MICKEY"
and
"LITTLE NELLIE KELLY"

Stories of the climb ever upward

Such is

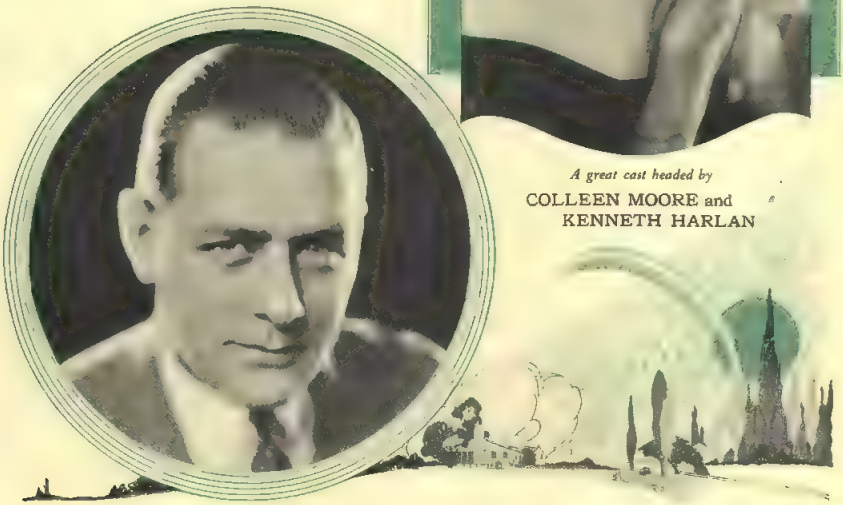
April Showers

Depicting the lives of lowly people struggling from the slums to Fifth Avenue

A drama of thrills and laughter

A great cast headed by

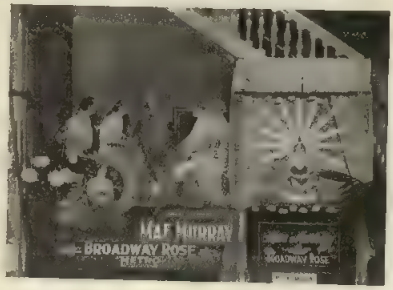
COLLEEN MOORE and
KENNETH HARLAN

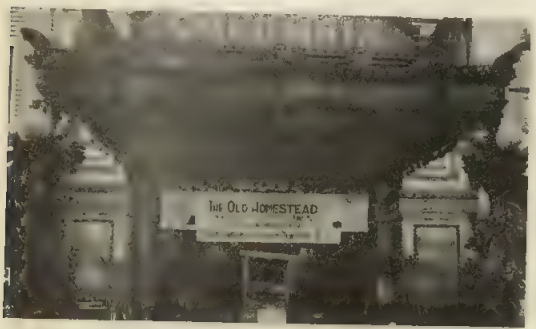


It's a Preferred Picture

Mary Pickford's new "Tess of the Storm Country" was well advertised in Atlanta, Ga., by the Howard Theatre, as testified by this turnout for a performance of the United Artists' release. The walls of the lobby were boarded and painted with scenery typical of the Storm Country.

Advance billing at Loew's Palace, Memphis, Tenn., is usually done by means of cutout or other display in the rear of the lobby. This cut-down 24-sheet for Metro's "Broadway Rose" and a shadow box display was the arrangement which manager A. B. Morrison made for advancing the Mae Murray feature





"Old Homestead" atmosphere in the display for the Paramount offering at the Columbia, Portsmouth, O., was produced with the simple articles to be had from any farmer who grew corn and squash or pumpkins last summer—and what farmer didn't.

Teaser Campaign In Advance of New Griffith Thriller

When D. W. Griffith's mystery picture "One Exciting Night," a United Artists Corporation release, was booked for showing at the Circle Theatre, Indianapolis, Ind., the theatre management put through a tie up with the Indianapolis Star which produced exceptional results.

The tie-up took the form of a symposium, conducted for two weeks in advance of the play date for the picture, by the Indianapolis Star for the best letters from readers describing the most "Exciting Night" in their experiences. Prizes of $1 each for the daily best letters were given by the Star. As the symposium closed all letters were judged again and the best of all won an award of a $50 cash prize.

This contest ended one week before the play date for "One Exciting Night," and immediately following it a teaser advertising campaign was started in Indianapolis newspapers, the copy referring mysteriously to "One Exciting Night," and timed to tie up with the display advertising and announcements just before the opening performance of the picture.

Street Cars and Fire Engines Ballyhoo Picture

The fire department, street railways and other municipal agencies of Owensboro, Kentucky, combined with extensive newspaper advertising and other exploitation mediums, figured in the successful showing of "Quincy Adams Sawyer," at the Grand Theatre in that city.

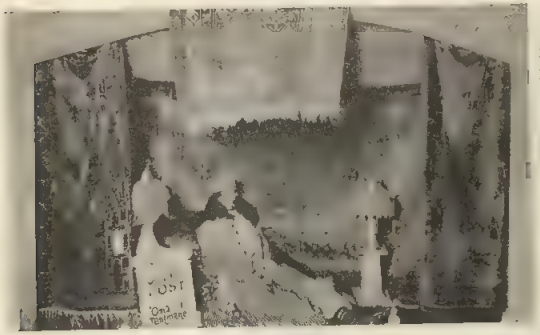
One of the largest automobiles in Owensboro's fire-fighting fleet carried a huge sign, announcing the coming of "Quincy Adams Sawyer the greatest of all super pictures," to the Grand. The assistance of the street railways company was no less important. On each car was fastened one of the one-sheet posters of this production, and window cards were also freely used. Another effective device was the use of an old shay, similar to that in the picture.

All of the leading newspapers carried large advertisements well in advance of the presentation. These announcements emphasized the fact that the showing was among the earliest held anywhere, and G. M. Pedley, manager of the theatre, gave his personal guarantee to his patrons that the photoplay was certain to win their approval.

Dickens Societies Offer Tieup for "Oliver Twist"

Throughout the country are Dickens Societies that take immense interest in any picture or play produced from the works of the English author: and the endorsement of these societies can be a valuable aid in boosting a picture's run.

This was demonstrated during the showing of First National's "Oliver Twist" when the picture played its run at the Tremont Temple Theatre, Boston, Mass. The Dickens' Society of Boston attended a special performance. They not only gave the picture word of mouth advertising but also space in their official magazine.



Through the cooperation of a dealer in Persian rugs the Rivoli theatre, Portland, Ore., was enabled to make a display of rugs estimated to be worth $50,000, a feature which the theatre advertised.

Educator's Endorsement Makes Good Ad Copy

Springfield, Ill.—W. W. Watts, of the Princess Theatre, played up an endorsement for "To Have and To Hold" received from the chief clerk of the Board for Vocational Education in such a fashion that it got receipts.

Mrs. E. M. Tarbet, secretary of the Board, signed a letter written by Bill Danziger, Paramount exploiteer, which was chock full of sales arguments. This was printed as an ad just above the straight display. It created a lot of talk.

Morning Program A Success

A special New Year's morning program was presented at the Parkway Theatre, Baltimore, for the young folks. Every seat in the theatre was occupied. "Little Red Riding Hood" was the feature film. The management of the theatre is much pleased with the results of the performance. It was held from 10:30 A. M. to 12 noon and admission of 25 cents was charged

Lobby of the Cameo Theatre, Pittsburgh, for the showing of Goldwyn's "Brothers Under the Skin." The lighted windows at either side of the entrance make an especially attractive display. Medallions of Helene Chadwick and Claire Windsor were displayed against transparent drapes of three colors. Lights filtered through these draperies. The cutout over the box-office featured the Broadway success angle.

Decorations Blow Down But Rea's Show "Breezes In"

Washington Court House, O.—George Rea of the Colonial came in for a lot of unmerciful kidding when his compo-board "Old Homestead" used as a lobby display, was demolished by the wind.

Rea had spent a lot of money on his front and wanted it to be "the talk of the town" but it was gone before half the folks saw it

What did he do? He simply took a newspaper ad and announced that: "Here's a proof. There's only one real 'Old Homestead.' That's Paramount's You know the Colonial erected an imitation on the side-walk and along came a puff of wind and zowie, the whole works blew down. But in the Paramount picture, 'The Old Homestead' survives the most terrific cyclone ever filmed."

This kind of sportsmanship got a good laugh and folks kept coming in for their second and third visits.

The newsboy quartette used by the Branford Theatre, Newark, N. J., in connection with a lobby display and tie-up for Warner Brothers picture "Heroes of the Street" and local charities. The newsboys sold local papers and their first customer shown in the photo above was Mayor Frederick G. Friedenbach. The proceeds went to charity. Letter boxes were placed beside the box-office to receive other donations.

Prominent Players Seen in Preferred Pictures

Top, left to right—Hal Cooley, Zasu Pitts, Richard Tucker, Tom Santschi, Richard Headrick, Buddy Messinger, Mary Culver and Walter Long. Second row—Madge Bellamy, Gaston Glass, Barbara La Marr, John Sainpolis, Estelle Taylor, David Butler, Claire Windsor, Lon Chaney. Third row—House Peters, Edith Roberts, Harrison Ford, Rosemary Theby, Lloyd Hughes, Colleen Moore, Kenneth Harlan, Marguerite De La Motte. Bottom row—Evelyn Lebue, Carl Stockdale, Ethel Shannon, Frankie Lee, Doris Pawn, William Austin, Martha Mattox and Betty Francisco.

Why Preferred Pictures Stand Out

By J. G. Bachmann,
Treasurer of Preferred Pictures and Al Lichtman Corporation

IN the short time since Preferred Pictures undertook the making of special productions, the company has made such prodigious strides that today it stands comparison with any organization in the field. What are the reasons behind this success?

There are three answers to that question, viz.: (1) Because Preferred Pictures not only has unlimited facilities, but it has a big, compact organization which is remarkable for the "team work" it displays; (2) because it has such directors as Gasnier and Tom Formas, together with actors who rank foremost in the profession; (3) because B. P. Schulberg, president of Preferred Pictures, and those associated with him, have made an intensive study of box-office values, along with artistic values, and their methods of making pictures spell certain success.

Recently I went to the Coast to consult with Mr. Schulberg about financial plans for the ensuing year. There I had an opportunity to observe the production methods followed by Mr. Schulberg and those working with him. What struck me was that everybody around the studio, from stage hands to extras, from officials and directors to principals, was putting everything he or she possessed into the work in hand. That means a great deal. Baseball players who do not work together are usually to be found on teams that stand at the bottom of the percentage columns. A football eleven is valueless unless its members believe in one another and work with one another.

This analogy applies strongly to the production of motion pictures. Let a producer select a good director and let that director select a good company of players who believe in one another; then let them turn out a good story—and you have success on the screen. A star of world-wide fame is not necessary if you have a great story.

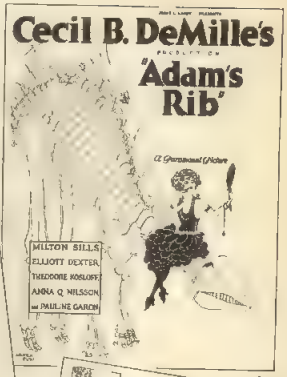
The big producing companies are beginning to wake up to this fact, which Preferred Pictures was the first to realize. Our organization believes that the picture-going public wants a powerful story, well acted. Its initial production—"Rich Men's Wives"—bore out that belief. Here is something with tremendous heart appeal, finely acted, splendidly staged. It began by creating a profound impression at the Capitol Theatre, New York, and then swept the whole country. Any exhibitor who has shown this picture can testify to its box-office value.

With the other releases of Preferred Pictures the situation is similar. Eight big productions on the market, without a single failure, is a remarkable record for any producing company. Preferred Pictures is more than proud of that record, and it can point with pride to the fact that seven more big productions are coming, and prophesy with truth that there will not be a single failure in this second group.

No other producing organization can boast of such a record. Preferred Pictures doesn't boast. It merely points to facts and submits those facts to exhibitors, who are unbiased umpires in motion pictures because their decisions are made with the view of getting results for their theatres.

Preferred Pictures takes a pardonable pride in its organization. Why? Because every employee is working for success, realizing that its attainment in the studio means success for those who show the pictures. And success in the theatre reflects itself back, to the studio. Thus it is that with an organization which wants to win, the goal is certain.

Preferred Pictures is demonstrating just what the motion picture industry needs today—the spirit of co-operation. It is turning out pictures with the idea of giving them the strongest possible popular appeal. It is seeking to make money for the exhibitor by winning public approval. And it is doing so with this selfish motive—that in making money for the exhibitor it keeps on making money for itself.



3 Col.

2 Col.

7 Col. Ad REDUCED

1 Col.

2 Col.

4 Col.

HERE are the newspaper ads supplied to you on "Adam's Rib."

They include everything an exhibitor wants, from one to seven columns.

They were drawn by one of America's foremost artists, and every one of them is an eye-catcher.

"Adam's Rib" is the screen's greatest novelty—it's one of the biggest pictures in years—and your people will know it if you use these ads.

You can get them in cut or mat form at your exchange.

"Adam's Rib" is a Paramount Picture by Jeanie Macpherson.

The Pilgrim

Charles Chaplin comedy distributed by First National. Edna Purviance plays opposite the star.

THE Super-Lite Lens

For More Perfect Pictures

AN entirely new principle in projection optics makes this new lens the last word in better projection.

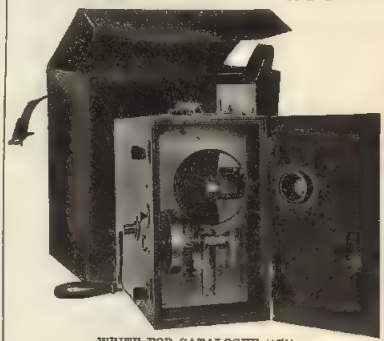
SUPERIOR color correction, BRILLIANT DEFINITION, and unequalled flatness of field.

WHEN contrasted in black and white Super-Lite has no equal.

Ask Your Supply Dealer

Projection Optics Co., Inc.
Rochester, N. Y.

ERNEMANN MODEL C
Motion Picture Camera
PRICE Complete Outfit $150.00



WRITE FOR CATALOGUE "G"

HERBERT & HUESGEN COMPANY
DISTRIBUTORS
18 East 42nd Street New York City, N. Y.
see page 10 of Theatre Equipment Directory

Enemy of Wear and Tear

KEYSTONE BRAND FLOOR COVERING

The ideal covering for theatre floors, aisles and stairs where the wear is continuous and costly.

THIS THEATRE SAYS:

"Keystone is absolutely the best we have ever used."—Lincoln Theatre, Pittsburgh.

The RUSSELLOID Company
31 N. Second St. Harrisburg, Pa.
See our story Page 24 Theatre Equipment Directory

MALTESE HIGH GRADE

If Your Dealer doesn't carry them write us.

CONDENSING LENSES
PLANO CONVEX — BI-CONVEX — MENISCUS
All Diameters and focal lengths.
Each lens branded with our trade mark.
Made from highest grade French optical glass.
Workmanship and accuracy guaranteed. Inquiries from manufacturers for special sizes and shades solicited.
SEMON BACHE & CO.
Greenwich & Morton Sts. N. Y. City

TICKETS
ONE HAND BOOK STRIP
TWO COLOR RESERVED SEAT.
WELDON, WILLIAMS & LICK
FORT SMITH, ARK.
ESTABLISHED 25 YEARS · KNOWN THE WORLD OVER.

SAVE IN COST
and secure beautiful permanent color effects by using
COLOR HOODS
sold at prices less than cost of dipping lamps for one year.
REYNOLDS ELECTRIC COMPANY
Mfrs. of Flashers, Small Motors, Etc.
2 sizes 10W-40W 2651 W. Congress St. Chicago, Ill.

All the Brothers Were Valiant

A Metro-Classic, Released by Metro. Story by Ben Ames Williams. Adapted by Julian Josephson. Cameraman, Robert Kurrle. Directed by Irvin V. Willat. Length 6265 feet.

CAST AND SYNOPSIS

Joel Shore, Malcom MacGregor; Priscilla Holt, Billie Dove, Mark Shore, Lon Chaney; Aaron Burnham, William Orlamond; Finch, Robert McKim, Verde, Robert Kortman, Morrell, Otto Brewer; Hooper, Curt Rehfield; Cook, W. H Moug; Tom, Leo Willis

Mark Shore, elder brother of Joel, was Captain aboard a whaling schooner but when his ship returned to port from the tropical seas he was not aboard. The first mate tells of his sudden disappearance on one of the islands. Joel, who has been working an another ship, asks to be transferred to his brother's ship so that he can try and find him. The request is granted and Joel takes his brother's place as Captain. Before they set sail he marries and takes his bride with him Their family history showed all of Joel's men-folks to have been brave and courageous, but Priscilla thinks that her husband is really a coward at heart. Upon reaching the islands Joel finds his brother Mark who tells of his experiences there. He comes aboard ship and tries to get Joel to change his course and go in search of some hidden pearls that he knows of but the Captain refuses. Mark incites the men to mutiny. Joel handles them all for a while but is soon overpowered. Mark realizes his mistake and tries to force them back but he is hit over the head and falls into the sea Joel attempts to rescue him but his brother disappears beneath the water before he reaches him. The mutiny is quieted and Priscilla sees that her husband does not fall below the standard of heroism of his forefathers.

Here is a story that will send real thrills up and down the spine. In "All The Brothers Were Valiant" there has been produced a picture that most assuredly will stand out in the memory of all who see it. It is one of the best sea pictures that has come on the screen recently and should give entire satisfaction wherever shown.

Points of Appeal.—Although South Sea pictures have been in vogue for some time this story will not fail to delight the audience. It is different, in a way, intensely real and replete with action that makes one fairly clutch at the arms of the chair The love theme that runs through the picture is good, in fact just enough to carry the story along nicely The mutiny aboard ship is exciting and the spectator is never quite sure just which way things will go. The whole picture has a great amount of suspense for this same reason. The scenes showing the harpooning of the whales are interesting. There is a little comedy relief through the picture that is well placed, and the production is thoroughly convincing in every detail.

Cast.—Malcom MacGregor gives a creditable performance. In his role as Joel Shore he is strikingly the boy and at the same time the man that the story demands. Billie Dove is a pleasing heroine. Lon Chaney is excellent as Mark Shore the elder brother. All other members of the cast are also good.

Photography, Lighting, Direction.—The shots that have been used in this picture are all splendid. Unusually good atmosphere is obtained and good lighting prevails. Capably directed.

The Footlight Ranger

Released by Fox. Story and Scenario by Dorothy Yost. Cameraman Jeff Jennings. Directed by Scott Dunlap. Length 4729 feet.

CAST AND SYNOPSIS

Bill Moreland, Charles Jones; Janet Ainslee, Fritzi Brunette, Al Brownley, James Mason; Nellie Andrews, Lillian Langdon, Miss Amelia, Lydia Yeamans Titus, David Marsh, Harry Barrows

Bud Moreland, an idler in a little country town meets and falls in love with Janet Ainslee, a young actress who is stranded in the town with her company. Janet accepts the favors of Al Brownley, son of the richest man in town in hopes of getting enough money from him to carry her back to the city. On the morning the company is about to leave Brownley appears with the tickets but insists that Janet go for a ride with him first. Bill overhears the conversation and interferes. He raises enough money on his three prize dogs to buy tickets for Janet. Janet advises him to come to the city and get a job. Sometime later he arrives in the city and while working is caught in an accident He is sent to the hospital and Janet sends flowers. She has a new "angel" backing her and almost forgets Bill but after he recovers he and her best friend go to a roadhouse and rescue her from the attacks of this other man. Janet is then ready to marry him and they go back to the country.

Here is a story that while its general idea is nothing of a novelty it should give fairly good entertainment wherever it is shown. It contains a satisfactory love element and affords one or two good thrills. In "The Footlight Ranger" there is the usual story of the country boy falling in love with the leading lady of a theatrical company and the unsmooth course of love. In localities where Charles Jones is a favorite the picture should have good success

Points of Appeal.—For the lovers of animals there are a number of good shots of three fine dogs. For the lovers of romance there is a good love story running through this picture. There are also some moments of suspense and for the most part the story holds the interest. The scenes behind the stage are good and lend satisfactory atmosphere to the picture.

Cast. — Charles Jones plays his role well but is better suited to stories that contain more action Fritzi Brunette, as Janet Ainslee is good in her role. The other members of the supporting cast are also good.

Photography, Lighting, Direction.—All of the exterior scenes are pleasing. The interiors are adequate for the story and the lighting good throughout. Although the director has had to cope with triteness of material he had done well and the story affords in holding the interest and developing a good climax.

Dark Secrets

Paramount Photoplay in Five Parts. Story and Scenario by Edmund Goulding. Director, Victor Fleming. Camerman, Hal Rosson. Running Time, Fifty-Five Minutes.

CAST AND SYNOPSIS

Ruth Rutherford, Dorothy Dalton; Lord Wallington, Robert Ellis; Dr Mohamed Ali, Jose Ruben; Murdered Rice, Effen Cassidy; Biskra, Pat Hartigan; Dr. Case, Warren Cook.

Ruth Rutherford is engaged to Lord Wallington. Biskra, army officer, presents her with a magnificent horse named Untameable. Ruth is thrown while riding astride and receives an injury to the spine which cripples her. Unable to walk, she breaks her engagement to Wallington and retires to her estate where he arrives to forget Ruth in scenes of wild dissipation. Later Ruth also goes to Cairo, where she is attended by a faithful servant named Biskra. She attracts the attention of a famous surgeon known as Dr. Ali. The latter promises to cure her on condition that she become his wife. Ruth unwillingly consents. Dr Ali cures her. He attempts to attack Ruth and is slain by Biskra. Ruth, controlled by the dead man's power again becomes a cripple. Biskra appears, having broken from the jail in which he was confined for killing Ali and seemingly tries to assassinate Wallington. Ruth leaps from her chair to protect her lover and suddenly discovers that the spell is broken and that she can walk. The lovers are united.

A plot of decided originality, clever acting by a competent cast, good direction and beautiful photography combine to make "Dark Secrets" an extremely interesting picture. Also, in view of the space given by the daily press to the curing of invalids through the exercise of will power by Coue and his disciples, it carries an up-to-date news appeal which should prove of value in advertising campaigns. The story is altogether out of the ordinary and director Victor Fleming has displayed good judgment in bringing out its salient points, there are many sensational situations in evidence but the most melodramatic of these never degenerates into absurdity, a decisive thrill being achieved without sacrificing probability in ever instance. "Dark Secrets" should make money for the exhibitor. It is the sort of film which suits the popular taste, moves smoothly and swiftly and registers as a feature of decided merit.

Points of Appeal.—The incident where the heroine matches herself against the untameable horse, is thrown and crippled, will assuredly communicate a thrill of horror to all who witness it. The slaying of Dr. Ali by Ruth's faithful servitor is another dramatic situation tense with realism, and her cure through the medium of a shock is wonderfully well done. The Oriental settings and atmosphere of the far East are colorful and convincing.

Cast.—Dorothy Dalton gives an excellent performance as Ruth Rutherford. The role is a difficult one to play without overacting but Miss Dalton is delightfully natural at all times and her impersonation of the invalid girl a charming bit of character work. Robert Ellis wins favor as the hero, Lord Wallington, Jose Ruben is darkly mysterious and impressive as Dr. Ali, Pat Hartigan gives a clever portrayal of Biskra, the native servant, and capable support is rendered the principals by the remainder of the company.

Photography, Lighting, Direction.—There are many beautiful exteriors, including some fine long shots, the interiors are handsome and good lighting prevails. The continuity is unbroken and the action fast.

The Ghost Patrol

Released by Universal. Story by Sinclair Lewis. Scenario by Raymond Schrock. Camerman, Ben Reynolds. Directed by Nat Ross, Length 4228 feet.

CAST AND SYNOPSIS

Terry Rafferty, Ralph Graves; Effie Kugler, Bessie Love, Donald Patrick Dorgan, George Nicholas; Rudolph Kugler, George B Williams; Rasputskin, Max Davidson; Michael McManus, Wade Boteler, Commissioner Manning, Melbourne MacDowell.

For thirty years "Don" Dorgan had patrolled a beat in "Little Hell" and through a spirit of understanding and affection kept peace in the turbulent district. Terry Rafferty, one of the idlers of the scene, had fallen in love with Effie Kugler and was hard at work in an effort to win her father's consent to his marriage. Old Max Kugler, however, insisted on looking on Terry as a loafer despite the pleas of his daughter and old Don. Terry, in despair, goes out and gets drunk and assaults the political boss of the district and is sent to prison for two years. A new police commissioner decides Don is too old for the job and returns him. The new patrolman uses his club freely and fails to get results, so "Don" puts on his old uniform and goes forth to help his people. Moving in the shadows of the night, he becomes known as "The Ghost Patrol." Terry is released from prison and is at once slugged by a gang leader. Don finds him, takes him to his home and gets Effie. Her father vows she can never return. The police commissioner learns of "Don's" ghostly patrol and realizes he made a mistake. He puts him back on the force, but as a captain. At Christmas Kugler forgives under Don's pleas and everything ends happily.

"The Ghost Patrol" affords satisfactory entertainment containing sufficient heart interest to put it over. It carries a double theme, that is to say the romantic element is entirely separate and distinct from the other interests of the story. The plot deals with an old policeman who is retired from the force and later reinstated and also the love affair between a groceryman's daughter and a tough of the neighborhood. It should be generally well received in almost any house.

Points of Appeal.—The benevolent old policeman who has been loved by all in the city's toughest district makes an appealing figure and readily wins the sympathies of the onlookers. Also the love affair between Effie and Terry holds the interest and adds a pleasing touch to the story. The original story was written by Sinclair Lewis, author of Main Street, and this fact should help to fill the house if used in exploitation.

Cast.—Ralph Graves is a likeable hero but is not especially well cast as the tough in this picture. Effie Kugler, as played by Bessie Love, is good. George Nichols in the role as Dorgan gives a good performance but has been shown up to better advantage in other parts that he has played. Other character parts are well enacted and the support is good.

Photography, Lighting, Direction.—The interiors and exteriors are all satisfactory. The lighting has been well taken care of in each set. The story is easily followed and direction capably handled throughout.

B. P. Schulberg *presents*

KATHERINE MacDONALD

The American Beauty in

"THE WOMAN CONQUERS"

ONE of the star's best, and a wondrous tale of a society girl's battle for life and love in the snow wastes of the far North. The story of a girl who told her aristocratic sweetheart, "You are a weakling," only to meet him again in the Arctics, where, in the fight against the raging elements, the wild beasts, and men worse than beasts, he proved himself superior to them all. This is the kind of picture every audience will thrill to. An artistic and entertaining photodrama by Violet Clark and directed by Tom Forman; produced by Preferred Pictures, Inc.

A First National Picture

B.P.Schulberg *presents*

Katherine MacDonald

The American Beauty in the *Lucky Four*. Book them all now and announce them to play a month apart. Pictures that appeal especially to women. Fine for evenings, great for matinees. The last word in artistry and entertainment with the world's most beautiful woman starring.

"THE WOMAN'S SIDE"

Just a girl, forced to fight a woman's battle, against the man who would sully her father's honor and leave her nameless, for the sake of her father and every hope he had in the world, and for the love of a youth brought strangely into her life. A drama of a woman's instinct and a woman's motives. Story and direction by J. A. Barry.

"STRANGER THAN FICTION"

A society girl caught in the toils of a crook and how she escapes with a fight on the wing of an aeroplane, 5,000 feet in the air. A take-off from the roof of a sky-scraper. A parachute jump from a burning plane—a man caught in mid-air in a leap from one airship to another and finally hauled to safety. The greatest air circus ever filmed. Story by Charles Richman and Albert Shelby LeVino; Directed by J. A. Barry.

"HER SOCIAL VALUE"

Here is drama with the ring of the human note—today a sales girl—tomorrow the wife of a society man. And after that the woman who learns the bitterness of the realization that she is "not good enough for her husband." From poor girl to rich wife—here's a theme that will interest everyone in your audience. And Katherine MacDonald makes both portrayals as magnetic as any she has ever done. From the original story by B. P. Fineman and J. A. Barry; scenario by Gerald Duffy and Jerome Storm; Directed by Jerome Storm.

"DOMESTIC RELATIONS"

This is the simple, but tensely dramatic story, of a man who drove a woman from his life but who could not drive her from his heart. A picture which will make both men and women wonder, because they have all seen some of it in their own lives. Gorgeous gowns, sumptuous settings, backing up a real drama that starts where others finish. Your patrons will love it. Story and scenario by Violet Clark; directed by Chet Withey.

First National Pictures

Exploitation Extends "Shadows" Run

Tieup with Newspaper and Big Posting Campaign Gives Lichtman Offering Extra Week at Barbee's in Chicago

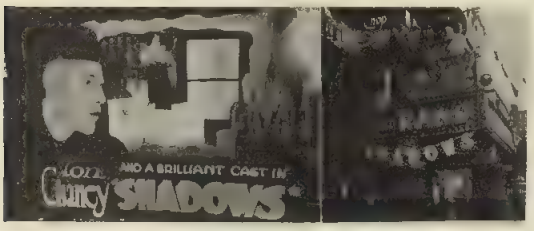
Just what proper exploitation will do in the way of boosting a good picture is illustrated in the case of "Shadows" in Chicago. When William S. Barbee, president of Barbee's Loop, booked this Preferred Pictures production, released through the Al Lichtman Corporation, he said he thought it would bring in good business for a week. Foster Moore, one of the A. Lichtman special exploitation representatives, was present at the time and he said that proper exploitation would keep "Shadows" at Barbee's Loop for two weeks or more.

"Go ahead and tackle it," said Mr. Barbee. Moore did. He plastered the downtown district with billboard advertising. He began a lively newspaper campaign, and rigged up some striking window displays. Then he "sold" the editor of the Magazine Page of the Chicago Journal the idea of running a "Shadows Contest" on that page. The idea of the contest was to publish, in the Junior Journal columns, on the Magazine Page, the silhouettes of four of the principals in "Shadows" under the heading, "Who cast these shadows?"

The terms of the contest were that readers were to write the names of the players under the silhouettes and send them to the Journal. The first prize offered was $10, with four prizes of $5 each, and the names of the winners were to be announced at a special showing of the picture under the auspices of the Journal on Saturday morning.

The silhouettes appeared daily in the Journal in a two-column layout, with the following printed at the bottom:

"And if you're looking for a good show —see 'Shadows' at Barbee's Theatre! It is taken from a magazine story called 'Chang, Ching, Chinaman,' and is all about a Chinaman cast up on the shores of a little Maine fishing village and shows his adventures running a laundry and evading conversion by the local minister. Lon Chaney, who was the 'merry old gentleman,' Fagin, in 'Oliver Twist'; Marguerite De La Motte, whom you have seen in 'The Three Musketeers'; Harrison Ford and an up and coming youngster, Buddy Messenger, are in the production."



Lobby display and marquee arrangement for presentation of "Shadows" at the Strand, Newark, N. J.

Zelda Theatre Develops New Angle for "Fast Mail"

A new angle to the automobile—locomotive street stunts for the Fox special "The Fast Mail" was used by the management of the Zelda Theatre in Duluth, Minnesota. By tieing up with an automobile agency the use of a car and operator was received without any charge to the management.

Prominently displayed on the body of the rubber tire of the locomotive was advertising for the Fox melodrama at the Zelda. The direct tie-up with the automobile company read "Rosendahl's Oakland Car and Service—Speedy as 'The Fast Mail.'"

"Sherlock Holmes" Well Exploited by Road Show House

The Court Theatre, Wheeling, W. Va., plays road shows almost exclusively. "When we do play a picture," says Fred E. Johnson, business manager of the house, in reporting a fine campaign on Goldwyn's "Sherlock Holmes," "the advertising and exploitation is always a difficult matter because people think of the Court Theatre in connection with spoken plays.

"For our recent engagement of 'Sherlock Holmes,' we did exceptionally heavy newspaper advertising, using the layouts furnished in the press book. A large number of posters and window cards were displayed. What proved one of the best accessories used by us was a reproduction of the Bertillion system record card, with finger prints and other data concerning the villain of the play, Prof. Moriarity. People saved these cards as curiosities.

"In executing these stunts we had the help of Bill Robson of the Goldwyn Exploitation Department.

"A number of book stores gave window displays and as a publicity stunt there was a private showing of the picture for the Police Department. Robson asked the Chief of Police for permission to send him a wire saying Sherlock Holmes would be in Wheeling to try to find the Mer Rouge murderers, but since there was objection by the Chief the telegram was sent direct to the Court Theatre and made a good lobby display feature.

"We were especially pleased with the results of the campaign as we not only did a satisfactory business, but there were no patrons registering complaints that the advertising did not make clear exactly what kind of show we were offering."

To Feature Local Talent

Baltimore vocalists are to have their chance to take part in the programs offered by the Century Theatre in that city. It has been announced that in the future the singers who will appear on the program will be selected from local talent if it is possible. Both men and women are eligible. Each Wednesday morning the manager and the musical director will hear those who make application.

The "When Knighthood Was in Flower" march written by Victor Herbert has served as a means of getting window displays in music stores for theatres presenting this Paramount offering. At the left is a window featuring music rolls in a display for the Lincoln Theatre, Troy, N. Y., and at the right a phonograph display for the Olympic Theatre, Pittsburgh, Pa.

The merchants of Birmingham, Ala., had a fine advertising feature in the "mystery girl" stunt used by the Alcazar Theatre in exploiting the Arrow feature "Night Life in Hollywood." A strip of film showing a local girl was added to the picture and the advertising tied-up directly with the theatre's attraction.

Make Special Childrens' Shows Pay

Box Office Returns, Publicity and Prestige Realized on L. R. Towns' Specially Selected Programs for Children

An advertising method which the Strand Theatre of Birmingham, Ala., L. R. Towns, manager, has found profitable is that of having matinees for the children early in the mornings, before opening time. The Strand has had columns of free advertising on this venture and much commendatory comment from preachers, teachers and mothers because they have selected pictures based on good books and books that are calculated to add a bit to the culture of the child. The matinees are held every Saturday morning. Admission is ten cents.

"The value of good feeling from that class of people known as 'solid citizens' to the man in the amusement business, particularly in the business of exhibiting moving pictures, can not be over-estimated," said Mr. Towns. "The Strand has taken this fact into consideration in its exploitation methods and in its selection of pictures.

"These Saturday morning matinees, which will be a regular feature of the program for the rest of the school term have programs suited to the child mind. Every film is passed on by the manager of the theatre before it is given to the screen for juvenile eyes."

The matinees have proved not only good publicity and excellent general exploitation but the volume of business has made them profitable from a financial point of view as well.

For the first matinee which featured 'Huck Finn" and had a number of shorter comedy features, the crowds of children blocked the sidewalk and crowded into the street. On the second Saturday when they showed "Don't Call Me Little Girl," the result was the same. The matinee programs are announced every Sunday in the amusement sections of the papers and mention is made of them several times.

Bank Cooperates With "Name Your Baby Omar" Stunt

Manager H. B. Watts and his staff outdid all previous efforts in their exploitation of "Omar the Tentmaker" when the First National attraction played the Strand, Omaha, Neb.

Ranging from ordinary routine exploitation to a baby naming contest that stands unique among the unusual names of modern infants. Briefly tabulated the stunts were:

1. Use of 2500 Library bookmarks for the "Rubiayyat;" 3. Dunlap hat window tie-up; 3. Persian rug window tie up; 4 Tie up on Omar cigarettes effected despite the state law which prohibits the advertising of cigarettes in windows; 5. Navy recruiting service tie-up; 6. Radio lecture by noted elocutionist; 7. Baby naming contest on "Omar" and "Shireen;" 8. Good fellow tie-up.

Through the courtesy of the Omaha Bee's radio department, a local elocutionist, recited passages from the "Rubiayyat," tying up with the regular radio entertainment.

The Daily News found a good front page story in a tie-up with the First National Bank whereby it agreed to deposit ten dollars in the bank to the account of the first boy born during the week named "Omar." It was agreed that the same sum was to be put to an account for the first girl born during the week to be named "Shireen." In case of mixed twins, one to be named "Omar," the other "Shireen" the deposit was to be $25. The amount was to remain at the bank until the baby became of age with interest compounded semi-annually.

At the left is a novel display for First National's the "Dangerous Age," used at the Capitol, Detroit. The right shows the "safety campaign" in which the city cooperated with the theatre. It is said this is the first time a tieup has been effected with official Detroit by a theatre.

This is the Harold Lloyd "double" who did the ballyhoo work for the showing of Pathe's "Dr. Jack" at the New Portola, San Francisco.

Exploiteer Makes Public Attack on His Tieup Stunt

Iola, Kansas—John J. Friedl, Paramount exploiteer, added a new kink to the stock "Manslaughter" hook-up campaign when the picture played at the Grand Theatre.

The public came in for the tie-up and the "Drive carefully and avoid 'Manslaughter'" signs were placed on every traffic semaphore and standard. Friedl then wrote a letter to the local newspaper signed "curious" and asked why motion picture advertising was permitted on the city property and if the theatre was paying for it, who was getting the money.

Friedl also planted an editorial along the same lines. Then he got an interview from the mayor stating that the city was perfectly willing to co-operate with any business enterprise provided the city benefited.

Everybody was satisfied, especially since not one cent of cash was involved, and the picture had publicity to the tune of an editorial and two front page stories.

While Paris Sleeps

A Maurice Tourneur Production, Released through Hodkinson. Cameraman, Rene Guissart. Directed by Maurice Tourneur. Length 4850 feet.

CAST AND SYNOPSIS

Henri Santados, Lon Chaney; Bebe Larvache, Mildred Manning, Dennis O'Keefe, Jack Gilbert, His father, Harden Kirtland; Father Marionette, Jack MacDonald, Georges Morier, F. Farrell MacDonald.

Henri Santados, a sculptor who has a studio in the Latin Quarter of Paris, harbors an unrequited passion for his beautiful model Bebe Larvache. She meets Dennis O'Keefe, a wealthy young American, who is touring France, through Georges Morier, a mutual friend. They become infatuated with each other. The intense jealousy of Santados is aroused and he enlists the aid of Father Marionette, a fanatical keeper of a wax museum known as "The Chamber of Horrors," to dispose of O'Keefe. O'Keefe's father objects to his son's love affair with Bebe and persuades him to give her up. Her one condition is that she be permitted to have one night of happiness with him during the Mardi Gras festival. The next evening she places herself in a compromising position with the sculptor as O'Keefe enters the studio. O'Keefe rushes out of the studio, heartbroken, believing she is unfaithful. He is inveigled into the "Chamber of Horrors" by the fanatic who places him in a diabolical torture device. Bebe is forced to listen to his groans on the telephone by Santados who gloats over his victim. Georges Morier arrives in the nick of time and they save O'Keefe from a horrible death. He is taken to a hospital and Bebe and Dennis finally receive the father's blessing

"While Paris Sleeps" affords some splendid scenic effects and rich atmosphere. It is, however, a gruesome story but if shown in a house where melodrama is enjoyed it should give fairly good satisfaction. The story is not wholly convincing but it can be seen that the director has realized his lack of material and has bent his efforts in another direction. As a change from the usual run of pictures this one may prove interesting.

Points of Appeal.—Chiefly the atmosphere used will be most enjoyed during the picture. The scenes depicting the Latin Quarter of Paris are excellent and are worthy of a much bigger production. The shots of the wax museum are good and although these coupled with the inventor's death dealing machine comprise some of the weirdest and most revolting moments of the picture they are effective. To those who knew New York of a few years back these scenes will recall to mind the Eden Musee with its famous chamber of horrors which existed at that time.

Cast.—A very good cast has been selected to do this picture. Jack Gilbert, as Dennis O'Keefe, the American, is good in his role. Mildred Manning, as the artist's model, is also pleasing. Lon Chaney is not the Lon Chaney as he is most familiarly known in the public's eye but his work is satisfactory. Others also give good support.

Photography, Lighting, Direction.—The photography through out is clear and well lighted. Many good effects have been obtained. Direction good

Fury

Inspiration Picture, Released through First National. Story by Edmund Goulding. Cameraman, Roy Overbaugh. Directed by Henry King. Length 8709 feet.

CAST AND SYNOPSIS

Boy Leyton, Richard Barthelmess, Minnie, Dorothy Gish; Captain Leyton, Tyrone Power, Looney Luke, Marry MacCollum, Morgan, Pat Hartigan, Boy's Mother, Jessie Arnold

Boy Leyton is second mate on the "Lady Spray," the ship on which his father is captain. Boy is often chided by his father for his effeminacy and more often beaten While in port Boy proposes to Minnie and suggest that she come to Glascow to meet him there to be married. The ship sails and Boy's father learns of his son's intention to marry. He calls him in and tells him about his mother who had deserted him and tries to turn him against all women but Boy refuses to listen. The old captain is suddenly taken ill and dies aboard ship but he makes Boy promise that he will not marry until he has found the man who wronged his mother. He is buried at sea and the ship continues on her course. Upon reaching Glascow Boy tells Minnie what has happened. While at the bar he meets an old woman who comes in begging During the conversation he discovers she is his mother and he forces her to tell who her betrayer was. Boy learns it is the first mate aboard his father's ship and who is now captain. He finds the man and though greatly outweighed he finally succeeds in knocking him down. The stunned man falls from the ship into the sea and disappears. Boy and Minnie are then married when the ship comes back into port.

An excellent sea story that should find favor with all the admirers of Richard Barthelmess and Dorothy Gish. Good suspense is developed through the story and a thrilling climax is built up. There are numerous comedy situations that are well placed and although the story is quite serious this bit of fun is so excellent that it does not detract in the least from the spirit of the picture. There are also many fine touches in direction that are noticeable and praiseworthy. This production should give splendid satisfaction to the majority of patrons.

Points of Appeal.—The realism of the sea is actually felt in "Fury." All of the scenes have been splendidly made and afford practically faultless atmosphere. Likewise the reproduction of the Limehouse district is excellent as are also the Glasgow dock scenes. There are a couple of thrilling fights that take place during the picture. The burial at sea is an unusual shot but possibly it would have been better to have omitted this. The picture is slightly long, although it never drags or fails to hold the interest, yet we feel that some of the prolonged conversations and numerous close ups could very easily have been dispensed with.

Cast.—Richard Barthelmess does a fine piece of work in his role as Boy Leyton. Dorothy Gish is also splendid in her part. The entire cast of characters in fact is excellent and some fine bits of characterization are given.

Photography, Lighting, Direction.—All scenes are good. Ample lighting is supplied throughout, and the direction is first rate.

Pathépicture

Produced by
ROBERT J. FLAHERTY, F.R.G.S.

Are *you* fishing for an attraction?
Here's one that's *real*—the

REVILLON FRERES *production*

Nanook of the North

Read the exhibitors' comments below. Pathe has had *hundreds* just like them!

"We put over 'Nanook' wonderfully I actually believe this product made more honest-to-God friends for the Belasco than any feature I ever bought It's a great and wonderful entertainment "—*Will H. Sohm, Belasco Theatre, Quincy, Ill*

"Wonderful Greatest picture in last 6 months Big business." -*H W Peery, Ogden Theatre, Ogden, Utah,* (quoted in Ex Herald)

"Most unique picture we ever played, making a host of friends and more than satisfactory from a box-office standpoint" *I H Raben, Ruben-Finkelstein Circuit, Minn.*

"Here s a real special Record business Everyone pleased" *Fred Jones, Rialto Theatre, Nelson, Neb*

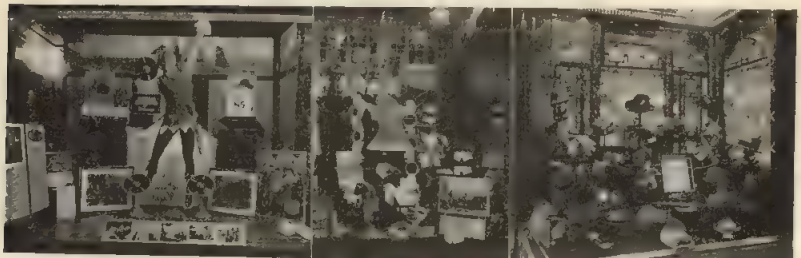
"Exceptiona picture The offering gave better satisfaction than any we have shown in some time "—*Jack Harligan, Jack's, Paynesville, Minn.*

"Broke record in Bakersfield in 4 days showing Did the same thing in Pomona" *Harry C Arthur, General Manager, West Coast Theatres, Los Angeles*

"Most interesting and educationa, picture we have ever shown Pleased patrons 100 per cent It's wonderful "—*J J Sodlak, Bee Bee, Neb*

"Standing room was at a premium for the two days showing and 'Nanook was the talk of the town We heard more favorable comments on t than any picture we have ever shown It was the most natural and life like entertainment we have ever seen "—*John H Raven, Colonial Theatre Co., Mich*

MANY EXHIBITORS ARE GETTING REPEAT BOOKINGS ANY EXHIBITOR WHO DOESN'T PLAY THIS PICTURE IS PASSING UP THE SENSATION OF THE YEAR



The Pittsburgh presentation of Douglas Fairbanks in Robin Hood was accompanied by a campaign which blanketed the city with displays and attractions to sell the public the new United Artists spectacle. Above are some of the window displays. At the left a phonograph store, the center a men's furnishings shop featuring a tieup with the Lion Brand Collars and at the right a hat store, the member of a chain of such shops which featured the "chivalry feather."

"Kindly Act" Tieup Used to Exploit Arliss Vehicle

The "help your brother" angle of the Distinctive Pictures production "The Man Who Played God," starring George Arliss in the role of the man whose bitterness is turned to happiness through performing charities, continues to be the exploitation angle stressed by exhibitors in this country and Canada.

In New York Manager C. Fredrick, of the Union Square Theatre, organized a "Don't Give Up" Association which had a motto of "smile and the world smiles with you" and on which Mr. Arliss was named honorary president. Uplifting messages inviting all his patrons to join the association were sent out by Manager Fredrick. The initiation fee was the price of admission to the show and it is reported a big membership was recorded.

The presentation of "The Man Who Played God" at the Capitol in Montreal was exploited in cooperation with the French language newspaper "La Patrie." A contest was run in which prizes were offered for the recital of the most charitable incident observed by the readers of the paper. Emphasis was placed on the purity of the French used in relating the experiences and the newspaper made a special drive to stir the young people to greater study and use of the French language. The Montreal Herald also helped with a "kindly act" tieup, giving Harry Dahn's theatre a double play on a single exploitation feature.

Publicity But No Profit

M. H. Hustler, manager of the T. & D Theatre, Sacramento, Calif., was held up by burglars and relieved of $500, the evening's receipts for "Sherlock Holmes."

The burglars made good their escape with two bags containing $500 and loose change amounting to $45. The Sacramento papers printed the story over scare heads, and the resulting publicity, of local criminals giving a real Sherlock Holmes problem to solve while the screen "Sherlock Holmes" was being shown, went toward making up a portion of the amount stolen.

New National Tieup for "Robin Hood"

Makers of Nationally Distributed Collars Enter into Scheme to Advertise with Theatres—Tryout in Pittsburgh

Pete Smith, who has directed the exploitation for all presentations of "Douglas Fairbanks" in the large cities, sends word from Pittsburgh, where he launched a campaign for the showing at the Pitt Theatre, that he has perfected a national tieup with the manufacturers of Lion Brand Collars.

The co-operative stunt consists of a special advertising drive for a collar named Robin Hood, the displays and advertising tying up with the theatre's announcements. It had its first workout in Pittsburgh and the Lion Company demonstrated that it is behind the drive 100 per cent.

According to Pete all the exhibitor has to do is communicate with the local Lion Brand dealer when he has Robin Hood booked, supply materials for displays such as paper, stills or whatever, and displays are arranged by the dealer without further bother to the exhibitor.

The tieup with the Columbia Grafanola concern is another which has been used to distinct advantage in all campaigns thus far for Robin Hood. "A stunt that I have been working," continues Pete Smith, "and that can be put over by any exhibitor on any film is a tieup with photograph and camera dealers in Eastman products. On the letterhead of our company I give the store a letter stating that stills for "Douglas Fairbanks in Robin Hood" were made by a Graflex camera and printed on Eastman paper stock.

"Another gag that is always sure-fire on this production is the 'Robin Hood Mark of Chivalry Feather.' I always select the company with the greatest number of hat stores in a city.

"Other window tieups used here were effected with the United Cigar stores, department and book store windows were also effected on the different Robin Hood books, Spalding stores displayed materials used in the production of the picture."

Manager P. F. Schwie is on the high road to fame as a leading impresario of the picture prologue on the evidence of the recent prologue staged at the New Garrick, Duluth, Minn. The prologue illustrated in the above photo was staged in conjunction with First National's "Oliver Twist" during the holidays. The scene opened on the exterior of one of the leading Duluth department stores with an urchin peering through the window at the toys. A fairy queen enters and a wave of her wand is the signal which sends up the front drop. This converts the scene to an interior of the store where the toys become animated and dance. The act concludes outside the store with the appearance of a well-dressed man who takes the child by the hand and indicates he will buy her some of the toys.

A Tom Forman Production

Presented by B. P. Schulberg

SHADOWS

featuring

Lon Chaney
Marguerite De La Motte
Harrison Ford
John Sainpolis
Buddy Messenger
Walter Long
Priscilla Bonner
Frances Raymond

ACCLAIMED the best picture of the year by America's leading critics! A picture you will never forget! Chaney's performance is a milestone in the advancement of the photoplay art. Playing to smashing business everywhere.

It's a Preferred Picture

B. P. Schulberg *presents*

The Girl Who Came Back

by

Charles E. Blaney

and

Samuel R. Golding

A Tom Forman Production

With a stupendous cast

Miriam Cooper	Joseph J. Dowling
Kenneth Harlan	Ethel Shannon
Gaston Glass	Fred Malatesta
Zasu Pitts	Mary Culver

HERE'S the type of story that Tom Forman does best. Do you remember his "The City of Silent Men"? In "The Girl Who Came Back," he excels his previous efforts. It is powerful. It is gripping. It is tense. It is punchy. It's great!

Al Lichtman Corporation

B. P. Schulberg *presents*

THORNS AND ORANGE BLOSSOMS

Adapted from the novel and stage play by
BERTHA M. CLAY

A GASNIER PRODUCTION

Featuring
a typical Preferred cast

Estelle Taylor
Kenneth Harlan
Edith Roberts
Evelyn Selbie
Carl Stockdale
John Cossar
Arthur Hull

FOR thirty years "Thorns and Orange Blossoms" has been known and read by the American people. Millions of copies of the novel have been sold. In play form, it is part of every stock company's repertoire. Familiar alike to grandmother, mother and daughter. Produced in motion pictures with a pictorial sweep that is startling!

It's a Preferred Picture

B. P. Schulberg *presents*

RICH MEN'S WIVES

A GASNIER PRODUCTION

with one of the greatest casts ever assembled

Claire Windsor
House Peters
Gaston Glass
Rosemary Theby
Myrtle Stedman
Charles Clary
Carol Holloway
Baby Richard Headrick
Mildred June
Martha Mattox

WHAT a record! One of the outstanding money-makers for exhibitors all over the world! In big towns, small towns—everywhere "Rich Men's Wives" packs them in!

A1 Lichtman Corporation

B. P. SCHULBERG

presents

A GASNIER PRODUCTION

"THE HERO"

with a great cast including

Gaston Glass
Barbara La Marr
John Sainpolis
Doris Pawn
David Butler
Ethel Shannon
Frankie Lee
Martha Mattox

Al Lichtman Corporation

A PICTURIZATION of the famous stage play as presented at the Belmont Theatre, New York, by Sam H. Harris. Declared by critics the best written play of 1921.

An exposition of heroism of two kinds; one that thrives on the blare of trumpets and the plaudits of the mob and the other that is marked by deeds of valor for home and family.

A slice of humanness depicting the lives of real Americans!

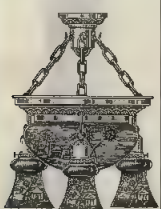
It's a Preferred Picture

BRUSH BRASS AND BLACK ELECTRIC FIXTURES

Bedroom—2 light, 20 in. over all, embossed brush brass and black, 10 in. plate, 2 chain hanger, 8½ in. socket covers, flash etched crystal, embossed blue grapes and green leaves shades.
2C4700—1 in case Each, **$6.25**

Living Room—3 lights, length 36 in. over all, 12 in. embossed brass ceiling plate, spun brass hubs, 2½ in fitter finished in brushed brass. Fluted opal electric shade, very attractive.
2C4701X—1 in box. Each, **$6.25**

Living Room—3 lights, length 36 in. over all, 4½ in solid brass canopy, 12 in plate, 2½ in. socket covers all parts embossed finished in brushed brass and black, all-over brown tone tinted shade with summer landscape design.
2C4703X—1 in box. Each, **$6.75**

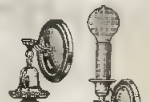


Dining Room—4 lights, length 36 in. over all., brushed brass and black, 3 key sockets outside, key less inside, 10 in. fitter, 2½ in. socket covers, 10 in brown tone hand painted oriental scene bowl, 3 shades to match.
2C4703X—1 in case. Each, **$12.85**

VELVET BROWN AND GOLD BODY FIXTURES

5 in canopy, 2¼ in. socket covers of spun brass. Choice of either imported glass shades, with hand painted triangle wreath of red and yellow roses with bow-knot at each angle and ½ in. pink border or frosted ball globes, wired complete, key sockets and crow foot.

Living Room—3 and 4 lights, 36 in long, spread for 3 lights 15 in., 4 lights 17 in.
2C4802—3 lights with shades only Each, **$10.35**
2C4803—3 lights with ball globes only Each, **$9.40**
2C4804—4 lights with glassware only Each, **$13.15**
2C4805—4 lights with ball globes only Each, **$12.90**



2C4809-07 2C4810

Wall Bracket—1 light, 6x3½ in. oval plate, extends 5 in. from wall
2C4808—With shades only Each, **$3.10**
2C4809—With ball globes only Each **$3.00**
2C4810—Candle bracket with bulb, pull socket Each, **$4.00**

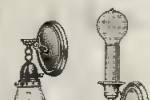
Bedroom—2 lights, length 36 in., spread 13 in.
2C4806—With shades only. Each, **$7.85**
2C4801—With ball globes only. Each, **$7.80**

Dining Room—5 lights, length 40 in., spread 19 in., 10 in fitter, 4 lights outside, one inside bowl.
2C4806—With shades only Each **$16.95**

SILVER GRAY AND GOLD BODY FIXTURES

5 in canopy, 2¼ in socket covers of spun brass. Choice of either imported glass shades with hand painted dainty garland wreath, red rose buds and forget-me-nots or frosted ball globes, wired complete, key sockets and crow foot.

Living Room—3 and 4 lights, 36 in long, spread with 3 lights 15 in., with 4 lights, 17 in.
2C4817—3 lights with shades only Each, **$11.76**
2C4818—3 lights with ball globes only Each, **$11.30**
2C4819—4 lights with shades only Each **$15.00**
2C4820—4 lights with ball globes only.... Each, **$14.50**



2C4823-24 2C4810

Wall Bracket—1 light, 6x3½ in oval plate, extends 8 in. from wall
2C4823—With shades only Each, **$3.46**
2C4824—With ball globes only Each, **$3.35**
2C4825—Candle bracket with bulb, pull socket.... Each, **$4.35**

Dining Room—5 lights, length 40 in. spread 19 in., 10 in fitter 4 lights outside, one inside bowl
2C4821—With shades only Each, **$19.10**

Bedroom—2 lights, length 36 in., spread 13 in.
2C4815—With shades only Each, **$8.90**
2C4816—With ball globes only Each, **$8.65**

SILK SHADE FLOOR LAMPS

All of these lamps are 68 in. high, wired complete, have 2 light sockets, 8 ft. of parallel cord and attachment plug. BASES AND SHADES ARE INTERCHANGEABLE. Order any shade or base you desire and make up your own combination. We can supply shades in BLUE, ROSE and MULBERRY. SPECIFY COLOR. Bases and shades are packed separately. Electric bulbs are not included with these lamps.

Brown Mahogany Finish Base— 2 in. stock hand turned, 24 in silk shade with alternating plain and figured panels, stretched silk border, shirred top American Beauty sateen lining, combination silk and tinsel braid around edging, 4 in. chenille fringe.
2C8006—Complete with shade. Each, **$15.25**
2C8001 Shade only " **8.85**
2C8002—Base only. " **6.40**

Antique Mahogany Finish Base 24 in khio silk shade, shirred top, old rose silk lining, cheney print border, old rose silk skirt, 6 in. extra heavy double row khio silk fringe.
2C7010—Complete Each, **$22.65**

Mahogany Finish Base — Hand turned from full 4 in. stock, 22 in. shirred silk top shade, fancy figured and sunburst border panels, American Beauty sateen lined, double row combination tinsel and braid, double row 4 in. silk fringe
2C8005—Complete with shade. Each, **$24.25**
2C8007—Shade only. Each, **$15.50**
2C8005—Base only Each, **$8.60**

COUCH OR CHAIN READING LAMP

Mahogany Finish Base—55 in. high, wired complete 1 light key socket, fancy scroll adjustable arm, 13 in. shirred top silk shade fancy tinsel border band, with silk pull cord, drum silk lined, double row 4 in. silk fringe. BLUE, ROSE or MULBERRY shade. SPECIFY COLOR. 6 ft parallel cord and attachment plug.
2C8021—Complete with shade. Each, **$14.45**
2C8022—Shade only " **7.25**
2C8023 Base only. **7.20**

ELECTRIC PORTABLE LAMPS

ELECTRIC BOUDOIR LAMPS

10½ in. high, beaded white enamel cast metal base, 16 in. silk shade on metal fringe, brass shade holder 6 ft. white silk cord, push button sockets, swivel plug, 1 in carton. 75 lbs.

2C4179 With red rose silk shade
2C7140 With blue silk shade in shipping carton
Each **$2.75**

"DIM-A-LITE" PORTABLE

2C4486 Solid brass adjustable universal bridge, attaches to bed, crib, chair, bureau, etc., felt-covered at points of contact to prevent scratching, etc., 8 ft. silk cord Benjamin plug, long double chain pull give 5 changes of light, full half, dim, nite lite and out. Saves 30 to 90% of current used with 110 to 115 volt lamps, any wattage up to 40 in circuit, without bulb.
Each, **$4.00**

"FLEX-LITE" DESK LAMP

21 in. high, adjustable in any direction, parabola shade, key socket, wired complete with 6 ft. non-metal parallel cord Benjamin rose vel plug 1 in. one 12 lbs.

2C0289– Finish Black
Each **$2.60**
2C0280– Finish Brass
Each **$2.75**

WALLACE ELECTRIC PORTABLE LAMP

WILL FASTEN TO BACK OF CHAIR OR BED

2C3701—12 in. high solid brass with finish as antique shade, push button socket, spring to base clamps to back of chair and brace 6 ft. extension cord, swivel, plug, 1 lamp bulb, 1 in carton. 11 lbs.
Each **$2.65**

MAHOGANY BASE ELECTRIC TABLE LAMP

2C8051—2 light, hand turned mahogany base, 20 in. shade, 6 in. top black tinsel band around border, silver linen, 1 in. chenille fringe, complete with 6 ft. parallel cord and attachment plug. Base, rich mahogany finish. SPECIFY COLOR. 4 in pkg
Each, **$12.75**

AMBER SHADE ELECTRIC TABLE LAMP

2C4161—2 light 21 in. high, antique gold finish, 18½ in round scenic shade, 6 blue glass panels, green glass skirt, wire complete, pull chain socket, silk cord and Benjamin plug. No bulbs. 1 in barrel
Each **$13.00**

ELECTRIC LAMPS

NOTE: We cannot make allowance for breakage or damage to electric lamps in transit. We carefully pack them and deliver to carrier in good condition

"SUPERIOR" TUNGSTEN LAMPS

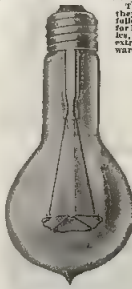
Equal in every way to nationally advertised brands. Have long life and give satisfactory service.

To use electric bulbs most economically they should be used according to wattage as follows: For signs and night lights, 10 watt; for halls, 15 watt; bedrooms, 25 watt; libraries, parlors, etc., 40 watt. Use brackets where extra light is desired, 50 and 60 watt stores, warehouses and factories, 75 watt up.

Vacuum Type

110 volt to 115 volt unskirted base, clear glass, estimated life 700 to 900 hrs.

	Candle Power	Life of 5	Life of 50
	Watts	Each	Each
2C4330—10	8	**$0.28**	**$0.27**
2C4331	15	.28	.27
2C4332	25	.53	.47
2C4333	40	.88	.86
2C4334	50	.88	.27
2C4335	60	.90	.31



Nitrogen Type

115 volt unskirted base, clear glass, estimated life from 500 to 1,000 hrs. We recommend 115 volt lamps of this type for 110 volt circuit.

	Candle Power	Life of 5	Life of 50
	Watts	Each	Each
2C4348	40	44	**$0.42**
2C4349—60		70	.42
		Life of 5	Life of 50
2C4345	75	88	**$0.45**
		Life of 5	Life of 50
3C4340—100		125	**$0.45**

Round Frosted Vacuum Type

110 to 115 volt unskirted base, round, all frosted bulb, estimated life 700 to 900 hrs.

	Candle Power	Life of 5	Life of 50
	Watts	Each	Each
2C4350—25	23	**$0.39**	**$0.37**
2C4351—40	38	.42	.40

"SUPERIOR" TUNGSTEN LAMPS

For Home Lighting Systems

28-32 volts, unskirted base For use with home generating plants, outfits having 10 cell lead type storage battery

Vacuum Type

	Candle Power	Life of 5	Life of 50
	Watts	Each	Each
2C4326—10	8	**$0.30**	**$0.29**
2C4327	15	.30	.29
2C4328—25	25	.30	.29
2C4329	40	.30	.29
2C4340	50	.30	.29

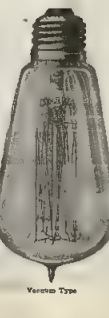
Nitrogen Type

	Candle Power	Life of 5	Life of 50
	Watts	Each	Each
2C4342—	50	**$0.42**	**$0.40**
2C4343—	75	.47	.45
2C4344—100		.70	.68

"Superior" 40 Watt Vacuum Tungsten Lamp

The biggest selling size for household use.

2C4333—40 watt, 32 candle-power, 110 to 115 volt, unskirted base, clear glass, estimated life 700 to 900 hours.
Lots of 25, Each, **$0.26**
Lots of 50, Each, **$0.25**



Vacuum Type

"MAZDA" TUNGSTEN LAMPS

Vacuum Type

110 to 115 volt, clear glass, unskirted base. Estimated life 800 to 1,000 hrs.

Unskirted Base—

	Candle Power	Life of 5 Each	Life of 50 Each
2C4329	10	**$0.32**	**$0.31**
2C4390	15	.32	.31
2C4302—25	23	★26	★25½
2C4303—40	33	.32	.31
2C4210—50	43	.32	.31
2C4312	60	.36	.35

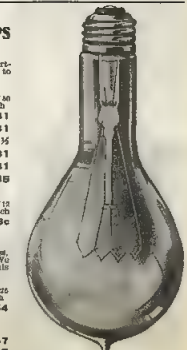
Skirted Base—

	Candle Power	Lots of 2 Each	Lots of 12 Each
2C4305—100	105	62c	59c

Nitrogen Type

115 volt, unskirted base, clear glass, estimated life 1,000 hrs. We recommend 115 volt lamps of this type for 110 volt circuit.

	Candle Power	Single Each	Lots of 25 Each
	Watts		
2C4298—75	88	**$0.56**	**$0.54**
2C4299—100	125	**$0.70**	**$0.67**
2C4319—200	260	**1.22**	**1.17**



Nitrogen Type

GLASSWARE

SILVER DEPOSIT

High Grade Clear Crystal Glass Blanks. A Deposit of Silver is Laid on the Glass in the Form of a Very Effective Design.

SUGAR AND CREAM SETS

Per Dozen Pair

No. 1521—Height of Each Piece, [illegible]; Weight per Pair, 1¼ lbs. $80 00

Twelve Dozen Sets in a Package

Per Dozen Pair

No. 5828—Height of Each Piece, 3½ inches; Weight per Pair, 1 lb $60.00

Twelfth Dozen Sets in a Package

Per Dozen Pair

No. 1601—Height of Creamer, 2⅞ inches, Height of Sugar, 2⅝ inches; Weight per Pair, 1½ lbs. $40 00

Twelfth Dozen Sets in a Package

NO MERCHANT CAN EXPECT TO BUILD UP A PAYING TRADE WHO IS NOT ALWAYS READY TO DO BUSINESS. HAVING A COMPLETE STOCK IS MOST ESSENTIAL. "I AM SORRY, BUT WE ARE JUST OUT" IS THE PLEA OF THE SHIFTLESS MAN. ORDER BY MAIL AND BE ALWAYS PREPARED. THAT IS THE ONLY WAY TO INSURE THE GROWTH OF YOUR TRADE.

GLASSWARE

SILVER DEPOSIT

High Grade Clear Crystal Glass Blanks. A Deposit of Silver is Laid on the Glass in the Form of a Very Effective Design.

SALT AND PEPPER SETS

Height 2 inches.

Per Dozen Pair

No. 1519—Weight per Pair, 4 ozs. $40.00

Twelve Dozen Sets in a Package

SALT AND PEPPER SETS

Height, 3¼ inches

Per Dozen Pair

No. 1602—Weight per Pair, 6 ozs. $27.00

Twelve Dozen Sets in a Package

SALT AND PEPPER SETS

Height, 2⅛ inches.

Per Dozen Pair

No. 1515—Weight per Pair, 4 ozs. $27.00

Twelve Dozen Sets in a Package

SALT AND PEPPER SETS

Fancy Sterling Silver Tops; Height, 3½ inches.

Per Pair

No. 144—Weight per Pair, 7 ozs. $1.20

One Dozen Pair in a Box

SILVER PLATED HOLLOW WARE

TEA SETS

Five Piece

The [illegible] Very Heavily Silver Plated, [illegible] Outside of [illegible] Piece is Highly Polished. [illegible] Pitcher and Waste Bowl are Gold Lined.

Per Set

No. 289 [illegible] Tea Pot, [illegible] Coffee Pot, [illegible] inches, Sugar and [illegible], Cream Pitcher, [illegible] Waste Bowl 3½ inches, Weight per Set [illegible] lbs. ..$100.00

One Set in a Carton

Three Piece

The Base Metal of This Set is Britannia Metal, and is Very Heavily Silver Plated. The Pattern of this set is Very Handsome Fluted Design, Finished on the Outside in Platinum, the Cream Pitcher is Gold Lined on the Inside.

Per Set

No. 8041—Height of Tea Pot, 8 inches; Sugar Bowl and Cream Pitcher, 4 inches; Weight per Set [illegible] ..$30 00

One Set in a Carton

Four Piece

The Base Metal of This Set is Britannia Metal and is Very Heavily Silver Plated. Each Piece Has a Very Handsome Border Applied Around the Top, Platinum Finish on the Outside. The Cream Pitcher is Gold Lined, Tray Combination of Platinum and Satin Finish.

Per Set

No. 53—Height of Tea Pot [illegible] Cream Pitcher, 3 inches; Weight per Set, 3 lbs. ..$27.00

One Set in a Carton

SILVER PLATED HOLLOW WARE

TEA SETS

Three Piece

Base, Fine Quality Britannia Metal; Quadruple Silver Plated; Bright Finish.

Tea Pot, 4½ Half Pints . . . . . Height 9 inches
Sugar Bowl, Gold Lined . . . . . Height 5 inches
Cream Pitcher, Gold Lined . . . . . Height 5 inches

Per Set

No. 259—Weight per Set, 3½ lbs. ..$27 00

One Set in a Carton

COFFEE SETS

Four Piece

Britannia Metal Base, Quadruple Silver Plated Set; Consists of Coffee Pot, Gold Lined Sugar and Cream Pieces and a 10 inch Tray.

Per Set

No. 729—Weight per Set, 2 [illegible] lbs. ..$20 00

One Set in a Carton

Four Piece

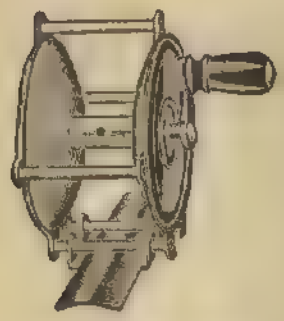
The Base Metal of This Set is Britannia Metal and is Very Heavily Silver Plated; Both the Sugar and Cream Pitcher are Gold Lined. The Outside of Each Piece is Platinum Finish.

Per Set

No. 3028—Height of Coffee Pot, 8¾ inches; Sugar Bowl, 3¼ inches; Cream Pitcher, 3¼ inches; Tray, 10 inches Diameter; Weight per Set, 2½ lbs. ..$18.00

One Set in a Carton

SINGLE ACTION FISHING REELS



BRASS, NO CLICK

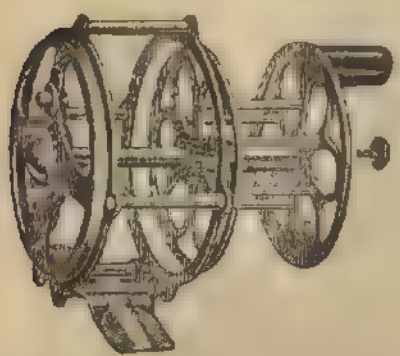
Nos.	225	240	260
Capacity, yds.	25	40	60
Pillar, in.	1	1	1
Diam. in.	1¾	2 1/16	2 5/16
W't, ozs.	2	2¼	2½
Each	$0.35	.40	.50

BRASS, WITH CLICK

Nos.	325	340	360	380
Capacity, yds.	25	40	60	80
Pillar, in.	1	1	1	1
Diam., in.	1¾	2 1/16	2 5/16	2 7/16
W't, ozs.	2	2¼	2½	3
Each	$0.50	.50	.60	.65

NICKEL PLATED, WITH CLICK

Nos.	625	640	660	680
Cap'c'ty, yds.	25	40	60	80
Pillar, in.	1	1	1	1
Diam., in.	1¾	2 1/16	2 5/16	2 7/16
W't, ozs.	2	2¼	2½	3
Each	$0.60	.65	.65	.80

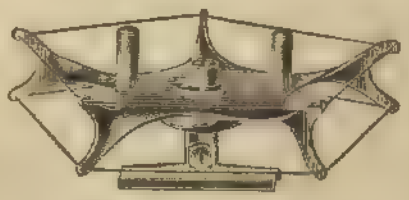


FEATHERLIGHT

Frame and reel seat of one piece, removable spool, back sliding double pointed click and steel spindle, nickel plated.

Nos.	3260	3280
Capacity, yds.	60	80
Spool, in.	2¾	2¾
W't, ozs.	4½	4¾
Each	$2.20	2.40

ONE IN A BOX



ADJUSTABLE SKELETON

Adjustable to line up with the first guide on any rod. Extremely light, wire guard eliminates back lash. Tobin bronze hub, runs on hardened steel, perfectly silent, no gears to grind or wear.

No. 71—Each $7.50

ONE IN A BOX

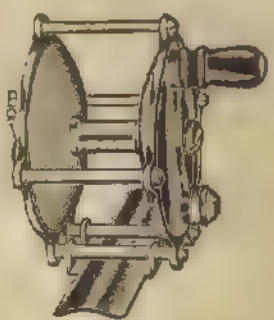
HAYLE
SIMPLICITY
Fits on Reel Seat

This is a good, strong, single action casting reel. Made of best cold rolled steel, heavily nickel plated and polished. Diameter 2¼ in., length ⅞ in., holds 50 yards of line.

No. 11—Without click, w't each 3¼ oz. . . . . each $0 50

No. 2—With adjustable back sliding click, w't each 3¼ oz., each $0.70

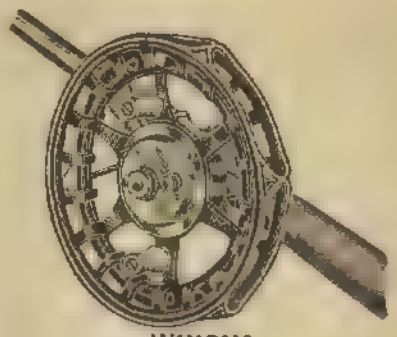
ONE DOZEN IN A BOX



Adjustable click, nickle plated, top plate with safety bands.

Nos.	040	060	080
Pillar, in.	1	1	1
Disc. in.	2 1/16	2 5/16	2 7/16
Capacity, yds.	40	60	80
W't, ozs.	3¼	3¾	4¼
Each	$1.30	1.45	1.55

ONE IN A BOX

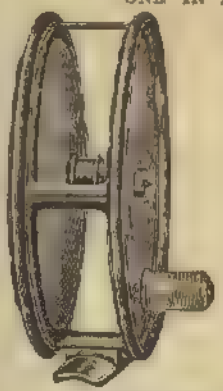


WINONA

Spool made of Redmanol moulded in one piece, a synthetic amber, strong and will never deteriorate, diam. 5 in., capacity 100 yards of 15-pound silk line, shaft of tool steel, white ivoroid handle, metal parts plated and polished, handles fish up to 30 lbs., w't each 6 oz.

No. 108—With line guard, each $11.60

ONE IN A BOX



No. 3290—Meisselbach's Rainbow Reel Takeapart with click. Cap. 60 yds., size 2½ in., diam. ⅞ in. wide. Frame and spool is furnished in dull black finish, with German silver trimmings. Ivoryoid handle, w't 3½ oz., ea. $6.65

ONE DOZEN IN A BOX

"Wanita".

Triangular click, when one point is worn out, turn the click and use a new point.

Bearings of phosphor bronze. Both click and gear made of highest quality hardened and tempered steel. Click rests against a horizontal spring, giving direct tension, spring of deep drawn steel, will not break. Reel seat of nickel silver composition. Seat rigidly doweled and screwed onto reel housing. Trimmings of nickel silver and handle of ivoryoid.

No. 2200—Diam. 3 in., width ⅞ in., cap. 50 yds., w't each 3⅞ oz. . .each **$8.00**

ONE IN A BOX

AGATE ROD TIPS

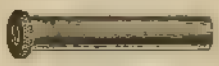
No. 68—Genuine agate offset tips mounted in wide bands, sizes 5, 6, 7, 8, 9, and 10,
per dozen $11.00

No. 69—Genuine agate mounted in silver, sizes 4, 5, and 6,
per dozen $9.70

ROD HOLDERS

No. T14—Holds 14 fishing rods any length, light or steel, revolves on an iron base, bottom of base padded to protect show case, upper circular piece of stained hardwood with rubber rod holders, lower circular piece of metal with felt pad on top and adjustable iron rod holders, w't each 7 lbs. . . . . each $2.30

ROD SHORTENERS



No. 53—2 in. brass, nickel plated, will fit any handle and receive second joint of rod, thus shortening the rod .....per dozen $3.20

TWO DOZEN IN A BOX

REEL HOLDERS

No. 11G—Brower's, length 6½ in., nickel plated, can be attached to any Calcutta or Japanese bamboo pole, will fit any reel, w't per doz. 1⅛ lbs., per dozen $4.50

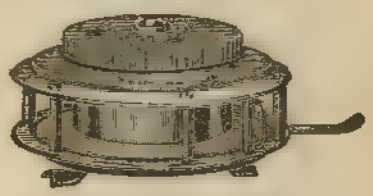
ONE DOZEN IN A BOX

Our reputation founded on over sixty-eight years' business stands back of the GHB brand.

All goods branded GHB are guaranteed to be of highest quality material and workmanship and free from imperfections.

In selling GHB articles there is a profit for you and satisfaction to your customers.

AUTOMATIC REELS



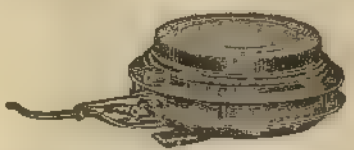
Will hold 100 yards of line or a short line may be used with equal convenience. It is automatic for about 150 feet. If properly handled it is impossible for the reel to get out of order. The spring has a friction relief at both ends so that it can be run down with any amount of force without any danger of breaking it. The springs are all well tested and guaranteed, w't each 7 oz.

Gun metal finish.

No. 82—**Without jewel,**
each $9.30

No. 82J—**With jewel,**
each $11.00

MARTIN AUTOMATIC REELS



Drums for above reels are made from a special grade of aluminum, reinforced on the inner rim by a collar of hard brass. Main spring is made of the best spring steel, the end of each spring being tempered by hand. Lock Brake is made of brass. These reels packed one in a box.

No. 1M—Standard Martin Fish Reels especially adapted for trout fishing and is called a "Creek Whipper." This is the smallest of the Martin Reels and carries 75 feet of G line. No lock brake on this reel as for light fishing it is not necessary. Largest diameter 3⅜ in., depth 1¾ in., w't 9 oz. .....each $6.15

No. 2M—Is the second reel in size and is considered a small size has the lock brake attachment. Carries 90 feet of G line. Largest diameter 3 5/16 in., depth 1¾ in., w't 10 oz.,
each $6.80

SLEIGH BELLS AND BODY STRAPS

GENUINE SWEDISH

Rough.

Nos.	6X	10X	12X
Size, in.	2¼	2¾	3¼
W't, doz., lbs.	6	9	12
Per dozen	$12.40	22.30	25.60

SWEDISH STRAPPED

Rough.

No. 40—Length 18 in., 4 bells, w't 3 lbs. .....per strap $8.10

No. 60—Length 26 in., 6 bells, w't 4½ lbs. .....per strap $11.80

Polished.

Nos.	4P	6P
Length, in.	18	26
No. of bells	4	6
W't, lbs.	3	4½
Per strap	$6.80	10.90

ROUND LOOSE

Polished and coppered.

Nos.	1	2	3	4
Size, in.	1⅛	1¼	1⅜	1½
W't per doz., lbs.	¾	1	1¼	1½
Per dozen	$1.20	1.80	2.10	2.50

Nos.	5	6	7	8
Size, in.	1⅝	1¾	1⅞	2⅛
W't per doz., lbs.	1¾	2	2¼	2½
Per dozen	$2.80	3.30	4.10	4.70

Nos.	9	10	11
Size, in.	2¼	2⅜	2⅝
W't per doz., lbs.	3¼	4¼	5¼
Per dozen	$5.70	6.80	7.80

BODY STRAP

Polished, for body or neck strap.

No. 059—Size of bells 1¼ to 2⅛ in., 19 bells, w't 5 lbs., per strap $8.60

No. 069—Size of bells 1¼ to 2⅛ in., 23 bells, w't 6 lbs. ..per strap $5.80

BODY STRAP

Article bells, rolled nickel plated wrought steel, plain black leather straps, riveted buckle and billet.

No.	789		
Size of bells, in.	1⅛		
No. of bells	30		
W't, lbs.	2¼		
Per strap	$4.90		
Nos.	794	1201	
Size of bells, in.	1¼	1½	
No. of bells	30	42	
W't, lbs.	2¾	3¾	
Per strap	$5.40	6.60	

No. 1727—31 white silver Arctic bells, 7⅛ ft. plain black leather strap, riveted buckle and billet, size of bells, eight 1⅛ in., eight 1¼ in., six 1⅜ in., four 1½ in., four 1⅝ in., one 1⅞ in., w't per strap 3⅛ lbs., per strap $6.50

SHAFT CHIMES

Wrought steel bells, beaded gongs japanned iron strap.

No. 862—Rolled brass plated, w't per pr. 3 lbs. .....per pair $1.50

ONE PAIR IN A BOX

H.S.B. & CO. OVB OUR VERY BEST

L. C. SMITH DOUBLE BARREL SHOT GUNS

IDEAL GRADE

Barrels—London special black steel.
Stock—English walnut full pistol grip, capped, checkered and well finished.
Frame—Neatly engraved.

No. F0—12 gauge, 30 in barrels, **plain extractor,** w't 6¼ to 8¼ lbs.★ ..... each **$95.10**
10, 16 and 20 gauge, 30 and 32 in barrels, **plain extractor★** ..... each **95.10**
No. F0A—12 gauge, 30 in. **barrels, automatic ejector,** w't 6¼ to 8¼ lbs.★ ..... each **118 80**

HAMMERLESS

TRAP GRADE

Barrels—Crown steel.
Stock—English walnut, straight or pistol grip, checkered and finely finished.
Frame—Lock plate engraved with trap-shooting scene.
No. F1—10, 12, 16 and 20 gauge, 26, 28, 30 and 32 in. barrels, **plain extractor★** ..... each **$130.30**
No. F1A—10, 12, 16 and 20 gauge, 26, 28, 30 and 32 in. barrels, **automatic ejector★** ..... each **155.60**

HUNTER ONE TRIGGER MECHANISMS

No. F1T—Fitted to Field, Ideal and Trap grades, additional★ ..... **Prices on Application**

HAMMER

Barrels—**Royal blued steel,** flat matted extension rib, both barrels full choke bored, plain extractor.
Stock—Imported English walnut, checkered half pistol grip and patent snap fore-end, rubber butt plate.
Frame—Case hardened, full bar action rebounding locks, new style low circular hammers, blued guard.
No. 90—12 gauge, 30 or 32 in. barrels, w't 7¼ to 8 lbs. ..... each **$63.20**
No. 1690—16 gauge, 28 in. barrels, w't 6¾ to 7¼ lbs. ..... each **63.20**

★ Items Marked Thus ★ are Shipped from Factory Only.

DOUBLE BARREL SHOT GUNS

FULTON HAMMERLESS

This Fulton hammerless is made by The Hunter Arms Co., makers of the L. C. Smith Guns, and is constructed on the same lines and by the same workmen as their highest grade guns. It is a strong, substantial gun, and will stand the severe test to which all guns are subjected in these days of heavy nitro loads.

Barrels—Fluid blued steel, matted extension rib, plain extractor, both barrels full choke bored.
Stock—Selected walnut half pistol grip, neatly checkered and finished, hard rubber butt plate, selected checkered walnut snap fore-end.
Frame—Case hardened, drop forged top lever, automatic safety rebounding locks.

No. 100—12 gauge, 30 or 32 in. barrels, w't 7½ to 8 lbs. . ... each $60 50
No. 16100—16 gauge, 30 in. barrels, w't about 7 lbs. .... each 60 50
No. 20100—20 gauge, 28 in. barrels, w't about 6¼ lbs. .. .. each 60.50

L. C. SMITH HAMMERLESS

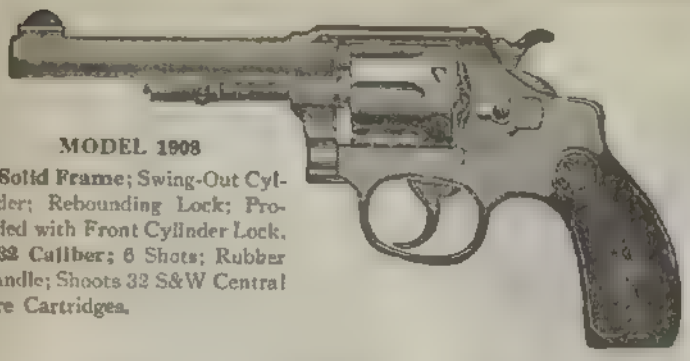
Grade Field.

Barrels—Armor steel, blued.
Stock—English walnut, full pistol grip, capped checkered and well finished.
Frame—Built for hard usage.

No. 00—12 gauge, 30 or 32 in. barrels, **plain extractor,** w't 6¼ to 8 lbs. .....each $79.20
16 gauge, 28 or 30 in. barrels, **plain extractor,** w't 6¼ to 7 lbs. ....each $79.20
20 gauge, 28 in. barrels, **plain extractor,** w't 5¾ to 6½ lbs. ....each 79.20
No. 00A—12 gauge, 30 in. barrels, **automatic ejector,** w't 6¼ to 8¾ lbs. ....each 100.00

SMITH & WESSON REVOLVERS

Double Action—Hand Ejecting



MODEL 1908

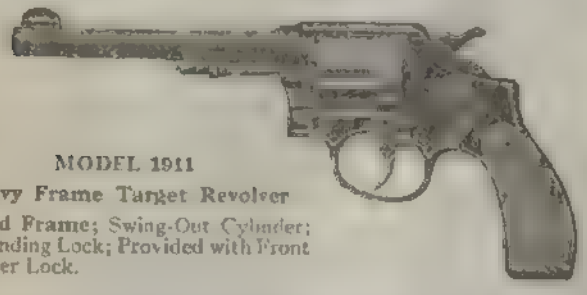
Solid Frame; Swing-Out Cylinder; Rebounding Lock; Provided with Front Cylinder Lock.

32 Caliber; 6 Shots; Rubber Handle; Shoots 32 S&W Central Fire Cartridges.

Nickel Plated	Each
No. 3231/4SN—3¼ inch Barrel; Weight 17¾ ozs.	$44 00
No. 3241/2SN—4½ inch Barrel; Weight 18½ ozs.	44 00
No. 326SN—6 inch Barrel, Weight 24 ozs.	44.00

Blued	Each
No. 2323¼SN—3¼ inch Barrel; Weight 18¼ ozs.	$44 00
No. 2324½SN—4½ inch Barrel; Weight 22 ozs.	44 00
No. 2326SN—6 inch Barrel; Weight 20 ozs.	44.00
No. 2326SNT—6 inch Barrel, S&W Target Sights, Weight 20 ozs.	51.50

One in a Box



MODEL 1911

Heavy Frame Target Revolver

Solid Frame; Swing-Out Cylinder; Rebounding Lock; Provided with Front Cylinder Lock.

	Each
No. 2226STG—**22 Caliber;** Shoots .22 Long Rifle Rim Fire Cartridges Only; 6 Shots; 6 inch Barrel; Trigger Pull Under 4 lbs.; S&W Target Sights; Circassian Walnut Checkered Wood Grip Inlaid with S&W Gold Monogram; Weight 23 ozs.	$50 40

One in a Box

MILITARY MODEL 1903

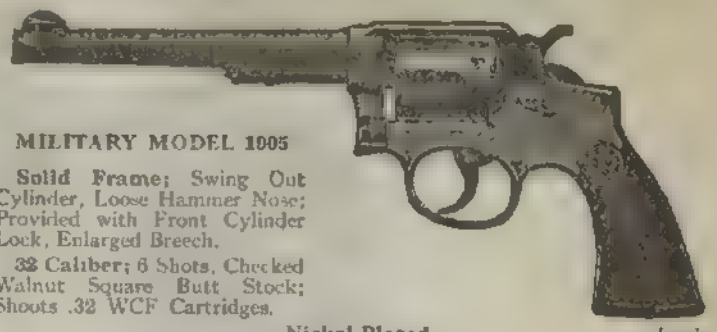
Solid Frame; Swing-Out Cylinder; Rebounding Lock; Provided with Front Cylinder Lock.

38 Caliber; 6 Shots; Checked Walnut Round Stock; Shoots .38 S&W Special or .38 Long Colt U. S. Service Cartridges.

Nickel Plated	Each
No. 384SM—4 inch Barrel; Weight 29 ozs.	$48 80
No. 385SM—5 inch Barrel; Weight 30 ozs.	48 80
No. 386SM—6 inch Barrel; Weight 31 ozs.	48 80

Blued	Each
No. 2384SM—4 inch Barrel; Weight 29 ozs.	$48 80
No. 2385SM—5 inch Barrel; Weight 30 ozs.	48 80
No. 2386SM—6 inch Barrel; Weight 31 ozs.	48.80

One in a Box



MILITARY MODEL 1905

Solid Frame; Swing Out Cylinder, Loose Hammer Nose; Provided with Front Cylinder Lock, Enlarged Breech.

32 Caliber; 6 Shots, Checked Walnut Square Butt Stock; Shoots .32 WCF Cartridges.

Nickel Plated	Each
No. 324MM—4 inch Barrel; Weight 34 ozs.	$49 60
No. 325MM—5 inch Barrel; Weight 36 ozs.	49.60
No. 326MM—6 inch Barrel; Weight 37 ozs.	49 60

Blued	Each
No. 2324MM—4 inch Barrel; Weight 34 ozs.	$49 60
No. 2325MM—5 inch Barrel; Weight 36 ozs.	49 60
No. 2326MM—6 inch Barrel, Weight 37 ozs.	49 60

38 Caliber; 6 Shots; Checked Walnut Square Stock; Shoots .38 S&W Special or .38 Long Colt U. S. Service Cartridges.

Nickel Plated	Each
No. 384MM—4 inch Barrel; Weight 34 ozs.	$49 60
No. 385MM—5 inch Barrel; Weight 36 ozs.	49 60
No. 386MM—6 inch Barrel, Weight 37 ozs.	49 60

Blued	Each
No. 2384MM—4 inch Barrel; Weight 34 ozs.	$49 60
No. 2385MM—5 inch Barrel; Weight 36 ozs.	49 60
No. 2386MM—6 inch Barrel; Weight 37 ozs.	49 60

44 Caliber; 6 Shots; Checked Walnut Square Stock; Shoots .44 S&W Special Cartridges.

Nickel Plated	Each
No. 446½MM—6½ inch Barrel Weight 42 ozs.	$56.00

Blued	Each
No. 2446½MM—6½ inch Barrel; Weight 42 ozs.	$56 00

One in a Box

HAMMERLESS SAFETY, WITH AUTOMATIC SHELL EXTRACTOR, REBOUNDING LOCK AND PATENT SAFETY ATTACHMENT

32 Caliber; 5 Shots; Rubber Handle; Shoots .32 S&W Central Fire Cartridges.

Nickel Plated	Each
No. 232SH—3 inch Barrel; Weight 14¼ ozs.	$40.80

Blued	
No. 2323SH—3 inch Barrel; Weight 14¼ ozs.	$40.80

38 Caliber; 5 Shots; Rubber Handle; Shoots .38 S&W Central Fire Cartridges.

Nickel Plated	Each
No. 3831/4SH—3¼ inch Barrel; Weight 24 ozs.	$44 00
No. 384SH—4 inch Barrel; Weight 24 ozs.	44 00

Blued	
No. 2383¼SH—3¼ inch Barrel, Weight 24 ozs.	$44 00
No. 2384SH—4 inch Barrel; Weight 24 ozs.	44 00

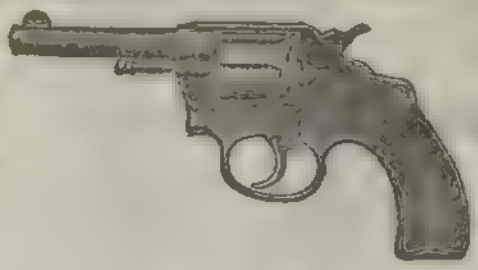
One in a Box

COLT REVOLVERS

Double Action, Simultaneous Hand Ejecting

NOTE—Our Stock of Colt Revolvers Comprises All the Best Selling Styles; Any Other Style, Caliber or Finish Made by the Colt Patent Fire Arms Mfg. Co., Which We Do Not Illustrate, We Can Furnish Promptly by Shipping Direct From Factory.

POCKET POSITIVE



Jointless Solid Frame; Swing-Out Cylinder; Rubber Handle; Positive Lock.

32 Caliber; 6 Shots; Chambered for S&W Cartridges.

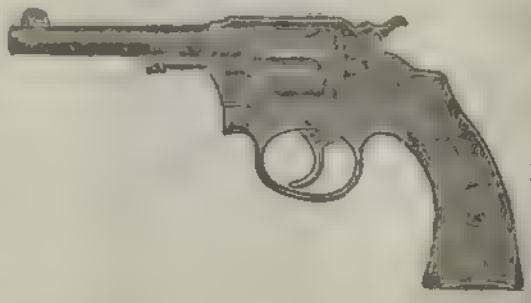
Nickel Plated	Each
No. 3221/2P—2½ inch Barrel; Weight 16 ozs.	$42 40
No. 3231/2P—3½ inch Barrel, Weight 16½ ozs.	42 40
Blued	
No. 3221/2P—2½ inch Barrel; Weight 16 ozs.	42.40
No. 3231/2P—3½ inch Barrel; Weight 16½ ozs.	42.40
No. 3226P—6 inch Barrel; Weight 18 ozs.	42 40

One in a Box

POLICE POSITIVE

Adopted by the Police Department of the Principal Cities of the United States and Canada

Jointless Solid Frame; Swing-Out Cylinder; Rubber Handle; Positive Lock.



32 Caliber; 6 Shots; Shoots 32 Short or Long Colt CF Cartridges.

Nickel Plated	Each
No. 324CP—4 inch Barrel Weight 18 ozs.	$43 50
No. 325CP—5 inch Barrel; Weight 18½ ozs.	43.50
Blued	
No. 2324CP—4 inch Barrel; Weight 18 ozs.	43 50
No. 2325CP—5 inch Barrel; Weight 18½ ozs.	43 50
No. 2326CP 6 inch Barrel; Weight 19 ozs.	43 50

One in a Box

38 Caliber; 6 Shots; Shoots 38 Colt Police Positive Full and Gallery Loads, or 38 S&W Short and Long Cartridges

Nickel Plated	Each
No. 384PP—4 inch Barrel; Weight 20 ozs.	$43 50
No. 385PP 5 inch Barrel, Weight 21 ozs.	43 50
No. 386PP—6 inch Barrel; Wt. 21½ ozs.	43.50
Blued	
No. 2384PP—4 inch Barrel; Weight 20 ozs.	43 50
No. 2385PP—5 inch Barrel; Weight 21 ozs.	43 50
No. 2386PP 6 inch Barrel; Wt. 21½ ozs.	43 50

One in a Box

POLICE POSITIVE SPECIAL

Jointless Solid Frame; Swing-Out Cylinder; Rubber Handle; Positive Lock.

32 Caliber; 6 Shots; Shoots 32/20 WCF Rifle Cartridges

Blued	Each
No. 2324PS—4 inch Barrel, Weight 22 oz.	$45 70
No. 2325PS—5 inch Barrel, Weight 23 ozs.	45.70
No. 2326PS—6 inch Barrel; Weight 24 ozs.	45.70

One in a Box

38 Caliber; 6 Shots; Shoots 38 Short or Long Colt, 38 Colt Special and 38 S&W Special; Full or Mid Range Loads.

Blued	Each
No. 2384PS—4 inch Barrel; Weight 20 ozs.	$45 70
No. 2385PS 5 inch Barrel; Weight 21 ozs.	45 70
No. 2386PS—6 inch Barrel; Weight 21 ozs.	45.70

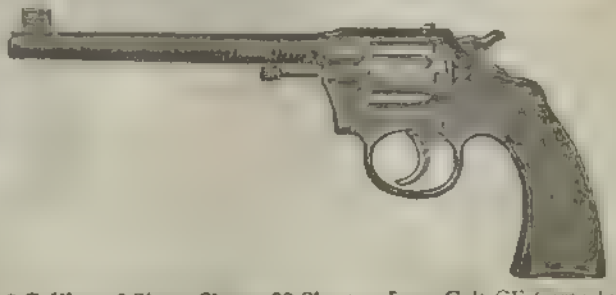
One in a Box

POLICE POSITIVE TARGET

Jointless Solid Frame; Swing-Out Cylinder Rubber Handle, Positive Lock; Block Rear Sight, Adjustable for Windage, Removable Front Sight Blade Fastened by Screw.

22 Caliber; 6 Shots.

Blued	Each
No. 2226CPT—Shoots 22 W. R. F. Cartridges Only; 6 inch Barrel, Entire Length 10½ inches, Weight 22 ozs.	$48 00
No. 2226CPT—Shoots 22 Short and Long; Run Fire Cartridges Only	48 00



32 Caliber; 6 Shots; Shoots 32 Short or Long Colt CF Cartridges.

Blued	Each
✢ **No. 2326CPT**—6 inch Barrel; Entire Length 10½ inches; Weight 19 ozs.	$48 00

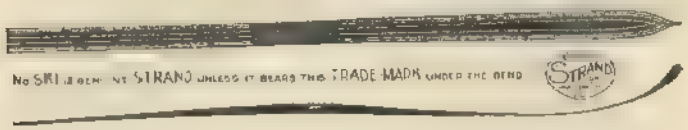
✢ Can also be Furnished from the Factory, Chambered to Take 32 Colt Police Positive Full and Gallery Loads, and 32 S&W Short and Long Cartridges.

One in a Box

NOTE—All "Positive" Revolvers are Equipped with a Positive Lock, which is Arranged Between the Face of the Hammer and the Frame, Operating Automatically Only when the Trigger is Pulled, and at All Other Times Preventing the Firing-Pin from Coming in Contact with the Cartridge, Thereby Insuring Against Accidental Discharge.

Items Marked ✢ Not Carried in Stock, Can Only be Furnished by Shipping Direct from Factory, Hartford, Conn.

SKIS



Style P

Made from the best selected Norway pine, finished in natural wood with several coats of waterproof varnish, and striped. Supplied with leather straps with lacing and rubber foot rests.

No.	Length	Packed	Weight	Per Pair
3BB	3 feet	1 pair	2 lbs.	$1.25
4P	4 feet	1 pair	2½ lbs.	1.25
5P	5 feet	1 pair	2¾ lbs.	2.00

No. 3BB is finished with blue paint

Style EP

Made from best quality selected quarter sawed, edge grain yellow pine, natural wood finish with several coats of waterproof varnish, fancy striped. Have patent toe buckle, leather straps and rubber foot rests.

No.	Length	Packed	Weight	Per Pair
5 EP	5 feet	1 pair	2¾ lbs.	$2.20
6 EP	6 feet	1 pair	5½ lbs.	2.90
66EP	6½ feet	1 pair	6 lbs.	3.25
7 EP	7 feet	1 pair	6½ lbs.	3.65
76EP	7½ feet	1 pair	8 lbs.	4.25
8 EP	8 feet	1 pair	10½ lbs.	4.50

SKI BINDINGS

Both models are complete with bolts and side irons

No. 1. Expert's model, rawhide, four buckles permit any adjustment to foot

No. 2. Harness leather, three buckles for adjustment.

No.	Packed	Weight	Per Pair
1	1 pair	1¼ lbs.	$3.00
2	1 pair	1¼ lbs.	2.50

Style AB

Made from the very best selected quality edge grain northern white ash. Brown finish Fitted with corrugated rubber foot rests

No.	Length	Packed	Weight	Per Pair
5 AB	5 feet	1 pair	3½ lbs.	$3.50
6 AB	6 feet	1 pair	5½ lbs.	5.00
66AB	6½ feet	1 pair	6 lbs.	6.00
7 AB	7 feet	1 pair	6½ lbs.	6.50
76AB	7½ feet	1 pair	8 lbs.	7.75
8 AB	8 feet	1 pair	10½ lbs.	8.00

Style HB

Made from the very best quality of straight grained, second growth hickory, black finish. More particularly for jumping by experts in leaping contests. Fitted with corrugated rubber foot rests.

No.	Length	Packed	Weight	Per Pair
6HB	6 feet	1 pair	7½ lbs.	$5.50
7HB	7 feet	1 pair	11½ lbs.	7.00
8HB	8 feet	1 pair	14 lbs	9.00

SKI POLES

Bamboo

Washer	Packed	Weight	Each
Flexible silverite metal	1	1 lb.	$1.50
Flexible aluminum	1	1 lb.	1.25

Hardwood

For	Washer	Packed	Weight	Each
Men	Ridgid	1	2½ lbs.	$1.00
Boys	Ridgid	1	1½ lbs.	.50

SKI WAX

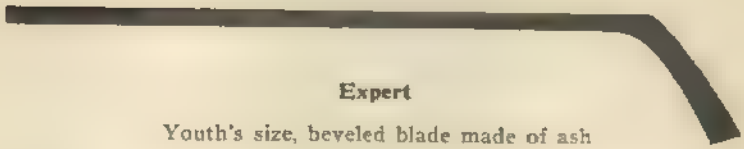
A Norwegian formula. When used on the under surface of skis it prevents freezing of soft snow there and makes for smoother and easier running. In 2 oz tubes.

Packed, ¼ doz. tubes, weight, ⅛ lb. ..... per tube, $0.20

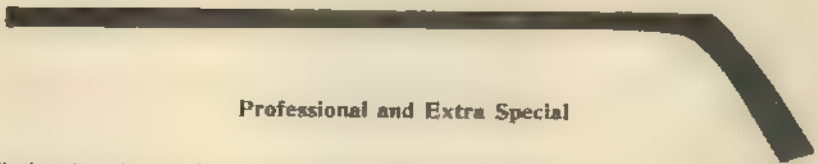
ALBANY HARDWARE & IRON CO.

HOCKEY STICKS

Junior
Boy's size, made of ash



Expert
Youth's size, beveled blade made of ash



Professional and Extra Special

Professional. Full size, beveled blades right and left, defense and forward "lies," made of ash
Extra Special. Full size, beveled blades right and left, 10½ to 11½ inches long, defense and forward "lies," hand made of specially selected rock elm

Professional
Rock elm, hand made, built up 3 inch blades

Name	Handles	Packed	Weight	Each
Junior	assorted	12	14 lbs.	**$0.60**
Expert	assorted	12	14 lbs.	**.75**
Professional	46 to 56 in.	12	15½ lbs.	**1.75**

POLO STICKS

Model	Wood	Blade Width	Packed	Weight	Each
H	Eastern oak	⅜ in.	12	5 lbs.	**$0.15**
E	Eastern ash	1⅛ in.	12	8 lbs.	**.25**
C	2nd growth Eastern ash	1⅛ in.	12	10 lbs.	**.50**

HOCKEY PUCKS

No.		Packed	Weight	Each
S	Championship The official puck	1	½ lb.	**$0.50**
2	Amateur Regulation size and weight	1	½ lb.	.50

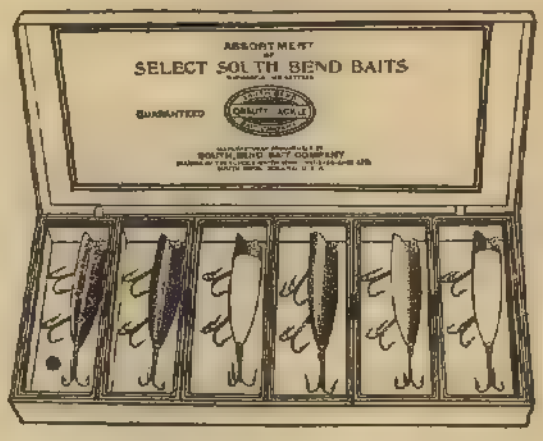
BAIT ASSORTMENTS AND DISPLAY STANDS

Extremely attractive display, made of substantial cardboard, printed in three colors. The design and illustration are commanding of attention and interest. Size set up 6 in. deep, 11 in. wide and 13 in. high.

No. 370—Assortment consisting of—Two each No. 973 Bass-Oreno (wobbler) baits of the popular colors; scale with red blend, scale; white body and red head, w't per assortment 1½ lbs. .....per assortment $6.80

ONE ASSORTMENT IN A BOX

BAIT ASSORTMENTS AND DISPLAY BOXES



Very neat and compact. Does not consume much space nor obstruct the full use of the top of your display cases. Size is 14x6½x1¾ inches. Goldenrod yellow colored box with attractive red and black printing. Has six compartments, each holding an individual box of one bait.

No. 382—Assortment consisting of—One each No. 973 Bass-Oreno (Wobbler) baits in selected popular colors; scale with red blend; scale finish; frog; rainbow; red head white body; red head aluminum color body, w't per assortment 1 lb. .....per assortment $6.80

ONE ASSORTMENT IN A BOX

ORENO DISPLAY CARD

Unusually attractive, it shows six famous ORENO fish getters of red head, white body color, neatly mounted on golden-rod-yellow cardboard, printed in red and black.

Cardboard is of good heavy quality and has an easel back which permits the display to stand on show cases or in the window. The size is 10 in. high by 14 in. wide. Each bait is fastened securely but can easily be removed.

No. 374 ORENO DISPLAY CARD includes one each of the following baits:

No. 970RH—Fly-Oreno
No. 971RH—Table-Oreno
No. 972RH—Babe-Oreno
No. 973RH—Bass-Oreno
No. 976RH—Musk-Oreno
No. 978RH—Troll-Oreno

No. 374—Oreno Display complete ..per assortment $8.00

ONE ASSORTMENT IN A BOX

SOUTH BEND WOBBLING TYPE BAITS

FLY ORENO

For use with a fly-rod, including the lighest kind without any danger of straining the rod. For trout and other game fish. Constructed along the same lines and having the same wobbling, zig-zagging and diving action in the water as the other Oreno baits. This lure preferably should be used in conjunction with a four foot gut leader.

Body is 1¼ in. long. Equipped with one No. 9 bronzed hollow point, double hook, easily detached for reversing.

	Per Doz.
No. 970RH—Red head and white body	$7.80
No. 970Y—Yellow body with green and red spotted decorations	7.80
No. 970R—Solid red color with black nose	7.80
No. 970W—White body with red and green spotted decorations	7.80
No. 970RAIN—Rainbow color	7.80
No. 970F—Imitation frog color	7.80
No. 960RHA—Red head and aluminum color body	7.80
No. 970SF—Scale finish	7.80
No. 970BH—Blue head and white body	7.80
No. 970RSF—Scale finish with red blend	7.80
No. 970G—Gold finish with red head	7.80
No. 970LUM—Nit-luming finish	7.80

ONE DOZEN IN A BOX

FLY-ORENO ASSORTMENT

This assortment of one each of twelve standard colors of Fly-Oreno baits is furnished in a neat pocket size box. Box size is 3⅛×2⅝×¾ in.

No. 380—Per assortment $7.80

ONE ASSORTMENT IN A BOX

TROUT-ORENO

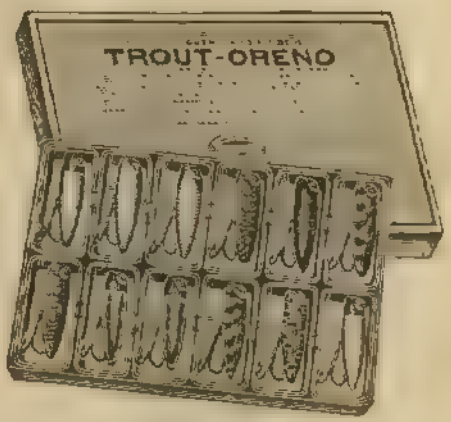
Designed primarily for fly-rod fishing, however is also successfully used with light bait rod for Bass and other game fish, as well as Trout. This lure preferably should be used in conjunction with a four foot gut leader.

Body is 1⅜ in. long. Equipped with one double hook No. 4, bronzed, hollow point, easily detached for reversing.

	Per Doz
No. 971RH—Red head and white body	$7.80
No. 971Y—Yellow body with green and red spotted decorations	7.80
No. 971R—Solid red color with black nose	7.80
No. 971W—White body with red and green spotted decorations	7.80
No. 971RAIN—Rainbow color	7.80
No. 971F—Imitation frog color	7.80
No. 971RHA—Red head and aluminum color body	7.80
No. 971SF—Scale finish	7.80
No. 971BH—Blue head and white body	7.80
No. 971RSF—Scale finish with red blend	7.80
No. 971G—Gold finish with red head	7.80
No. 971LUM—Nite-luming finish	7.80

ONE DOZEN IN A BOX

TROUT-ORENO ASSORTMENT

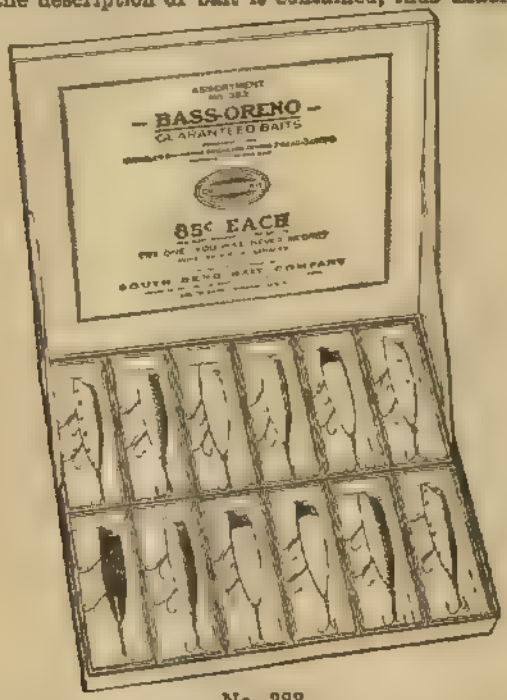


A neat compact coat pocket size box, containing one each of the twelve standard colors of the No. 971 Trout-Oreno Baits. Each bait is in a separate compartment. Box size is 6×4¼×⅝ in.

No. 381—Per assortment $7.80

ONE ASSORTMENT IN A BOX

SOUTH BEND BAIT ASSORTMENTS

The size of each assortment box is 14×12⅜×1⅛ in. Golden rod yellow color box with red and black printing. The box has 12 compartments, each holding an individual box of one bait. The inside bottom of each compartment space has printed the description of bait it contained, thus enabling the dealer to refill with similar bait from his shelf stock.

No. 383.

Bass Oreno assortment consists of one each of the following:

No. 973RH—Red head and white body
No. 973Y—Yellow body with red and green spotted decorations
No. 973R—Solid red color, with black nose
No. 973W—White body with red and green spotted decorations
No. 973RAIN—Rainbow color
No. 973F—Imitation frog color
No. 973RHA—Red head and aluminum color body
No. 973SF—Scale finish
No. 973BH—Blue head and white body
No. 973RSF—Scale finish with red blend
No. 973G—Gold finish with red head
No. 973LUM—Nite-luming finish

No. 383—Assortment ....per assortment *$10.20*

No. 393.

Scale Fish Bait assortment consists of the following:

2—**No. 973RSF** Bass-Oreno Baits
2—**No. 973SF** Bass-Oreno Baits
2—**No. 963RSF** Standard Surf-Oreno Minnow
1—**No. 963SF** Standard Surf-Oreno Minnow
1—**No. 962RSF** Midget Surf-Oreno Minnow
1—**No. 962SF** Midget Surf-Oreno Minnow
1—**No. 903RSF** Underwater 3 treble Minnow
1—**No. 903SF** Underwater 3 treble Minnow
1—**No. 905RSF** Underwater 5 treble Minnow
1—**No. 905SF** Underwater 5 treble Minnow

No. 393—Assortment .....per assortment *$10.20*

WINDOW DISPLAY ASSORTMENTS

Beautifully lithographed in eight colors and standing 25 inches high, this full-of-color-and-action Window Display, together with the assortment of twenty-four baits, presents a most attractive trim for any tackle window. Assortment consists of:

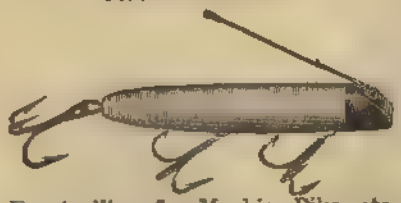
12 only—No. 973 Bass-Orenos, 1 each, 12 standard colors
2 only—No. 963 Surf-Orenos, 1 each, colors W-SF.
2 only—No. 962 Midget Surf-Orenos, 1 each, colors RH-RSF.
2 only—No. 913 Panetella Minnows, 1 each, colors RH-RSF.
3 only—No. 903 Minnows, 1 each, colors GCBW-Rain-G.
1 only—No. 904 Minnow color W.
1 only—No. 925RH Midget Woodpecker.
1 only—No. 923RH Standard Woodpecker.

No. 377—Assortment of 24 minnows, per assortment *$20.40*

ONE ASSORTMENT IN A CARTON

SOUTH BEND BAITS

TROLL-ORENO



For trolling for Muskie, Pike, etc., especially with a motor boat. Has same erratic, wobbling, diving motion as other members of the Oreno family.

Body is special shaped and 6½ in. long with size 5-0 super-strong hooks and trimmings extra strong. Each bait is equipped with 5-in. removable piano wire leader.

No. 978SF—Scale finish, per dozen $24.00

No. 978RSF—Scale finish with red blend .....per dozen $24.00

No. 978RH—Red head and white body .....per dozen $24.00

No. 978R—Solid red color, with black nose .....per dozen $24.00

No. 978RAIN—Rainbow color, per dozen $24.00

No. 978RHA—Red head and aluminum color body, per dozen $24.00

ONE IN A BOX

MUSK-ORENO

Especially designed for Muskellunge and large Pike. It is a combination of the underwater and the surface type baits, diving, darting and zig-zagging in a minnow-like course when being reeled and floating when not in motion. Used for casting or for trolling.

Equipped with 5-inch removable piano wire leader. Body is 4½ in. long. Hooks are 1-0 super strong hollow point, with all trimmings extra heavy.

No. 976RH—Red head and white body .....per dozen $15.00

No. 976R—Solid red color, with black nose .....per dozen $15.00

No. 976W—White body with red and green spotted decorations, per dozen $15.00

No. 976RAIN—Rainbow color, per dozen $15.00

No. 976RHA—Red head and aluminum color body, per dozen $15.00

No. 976SF—Scale finish, per dozen $15.00

No. 976RSF—Scale finish with red blend .....per dozen $15.00

ONE IN A BOX

PANETELLA

An under water minnow of slender shape, very effective when game fish will not rise or be attracted by surface minnows. A wonderful fish getter in Florida and southern waters, 4½ in. long, w't 9-10 oz., three treble hooks.

No. 913SF—Green scale finish, per dozen $10.20

No. 913RSF—Scale finish, red blend, per dozen $10.20

No. 913RH—Red head, white body, per dozen $10.20

No. 913RAIN—Rainbow color, per dozen $10.20

ONE IN A BOX

MIDGET

Body is weighted and bait is of underwater type, equipped with front spinner, three No. 2 treble hooks and glass eyes.

No. 901RH—Red head and white body .....per dozen $9.00

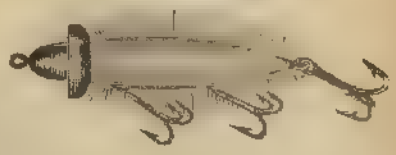
No. 901RHA—Red head and aluminum color body, per dozen $9.00

No. 901SF—Green scale finish, per dozen $9.00

No. 901RAIN—Rainbow color, per dozen $9.00

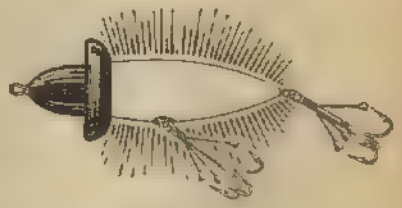
ONE IN A BOX

WOODPECKER



No. 924LUM—Nite-luming finish with red head, three treble hooks, length of body 3 in., w't ¾ oz., per dozen $10.20

ONE IN A BOX



MIDGET WEEDLESS

No. 926WDLS—Nite-luming finish with red head and white body. Equipped with two weedless treble hooks, length 3 in., w't ¾ oz., per dozen $12.00

ONE IN A BOX

VACUUM BAITS

Creates a vacuum, causing a spray which is mighty attractive to game fish.

Standard size, body length 2¾ in., by 2 in. wide at the head, w't approximately ¾ oz.

No. 1—White, red stripes, per dozen $12.00

No. 50—Dragon fly color, per dozen $12.00

No. 60—Frog color, per dozen $12.00

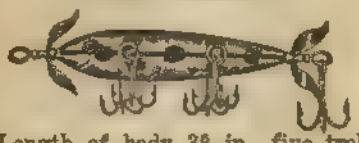
ONE IN A BOX

SOUTH BEND BAITS

UNDERWATER MINNOWS

Standard type of underwater minnow, used for casting or trolling. Equipped with spinner at both front and rear. Treble hooks are attached with countersunk screw-eye, trebles easily removed by simply unscrewing and lifting out. This bait, while primarily designed for all species of fresh water fish, has also proven effective for salt water species such as Striped Bass, Rovallo, etc.

FIVE TREBLE



Length of body 3⅜ in., five treble hooks, w't 1¼ ozs.

No. 905RAIN—Rainbow color, per dozen $10.80
No. 905GCB—Green cracked back, white belly .....per dozen $10.80
No. 905RH—Red head and white body, per dozen $10.80
No. 905R—Solid red color, with black nose .....per dozen $10.80
No. 905RSF—Scale finish with red blend .....per dozen $10.80
No. 906W—White body, red and green spotted decorations, per dozen $10.80

ONE IN A BOX
ONE DOZEN IN A CARTON

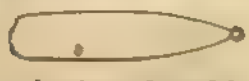
THREE TREBLE

3 in. body, three treble hooks, w't ¾ oz.

No. 903RAIN—Rainbow color, per dozen $10.20
No. 903GCB—Green cracked back with white belly, per dozen $10.20
No. 903RH—Red head and white body, per dozen $10.20
No. 903R—Solid red color, with black nose .....per dozen $10.20
No. 903RSF—Scale finish with red blend .....per dozen $10.20
No. 904W—White body, red and green spotted decorations, per dozen $10.20

ONE IN A BOX
ONE DOZEN IN A CARTON

PRACTICE CASTING WEIGHTS



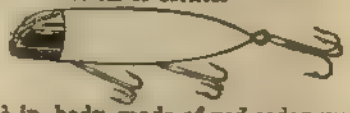
A very handy and useful article every angler will enjoy having. Just the thing for practicing casting on the lawn or at the lake. A wonderful help in teaching your friends and family how to cast. Enameled white.

No. 273—Length 3½ in., w't each ⅝ oz., per dozen $3.00

ONE IN A BOX

THE FAMOUS BASS-ORENO

Wobbler type of bait, used for casting or trolling. Has a wonderful erratic action, irresistible to game fish. In motion it dives, dashes, darts and wiggles much like an injured fish. Not in motion it floats.



3½ in. body, made of red cedar wood, and has a high finish enamel, w't each ¾ oz. Equipped with three No. 1 Treble Hooks.

No. 973RH—Red head and white body, per dozen $10.20
No. 973Y—Yellow body with red and green spotted decorations, per dozen $10.20
No. 973R—Solid red color, with black nose .....per dozen $10.20
No. 973W—White body with red and green spotted decorations, per dozen $10.20
No. 973RAIN—Rainbow color, per dozen $10.20
No. 973F—Imitation frog color, per dozen $10.20
No. 973RHA—Red head and aluminum color body, per dozen $10.20
No. 973SF—Scale finish, per dozen $10.20
No. 973BH—Blue head and white body .....per dozen$10.20
No. 973RSF—Scale finish with red blend .....per dozen $10.20
No. 973G—Gold finish with red head, per dozen $10.20
No. 973YP—Yellow perch scale finish .....per dozen $10.20
No. 973MSF—Mullet scale finish, per dozen $10.20

NITE-LUMING

No. 973LUM—Body 3 in. long, enameled, ...per dozen $10.20

MIDGET SURF-ORENO

Surf-Oreno in a smaller size for lighter rods. Body length is 2½ in. Equipped with two treble hooks.

No. 962RH—Red head and white body .....per dozen $10.20
No. 962W—White body with green and red spotted decorations, per dozen $10.20
No. 962RAIN—Rainbow color, per dozen $10.20
No. 962SF—Scale finish, per dozen $10.20
No. 962LUM—Nite luming finish, per dozen $10.20
No. 962GCB—Green cracked back with white belly, per dozen $10.20

ALL ABOVE ONE IN A BOX

BABE-ORENO

Weight each approx. ⅛ oz.; length 2⅜ in. Equipped with one belly hook and one tail hook, both these being size No. 1 treble.

No. 972RH—Red head and white body, per dozen $10.20
No. 972Y—Yellow body with red and green spotted decorations, per dozen $10.20
No. 972R—Solid red color, with black nose .....per dozen $10.20
No. 972W—White body red and green spotted decorations, per doz. $10.20
No. 972RAIN—Rainbow color, per dozen $10.20
No. 972F—Imitation frog color, per dozen $10.20
No. 972RHA—Red head and aluminum color body, dozen $10.20
No. 972SF—Scale finish ..doz. $10.20
No. 972BH—Blue head and white body .....per dozen $10.20
No. 972RSF—Scale finish with red blend .....per dozen $10.20
No. 972G—Gold finish with red head, per dozen $10.20
No. 972LUM—Nite luming finish, per dozen $10.20
No. 972MSF—Mullet scale finish, per dozen $10.20
No. 972YP—Yellow perch scale finish .....per dozen $10.20

SURF ORENO

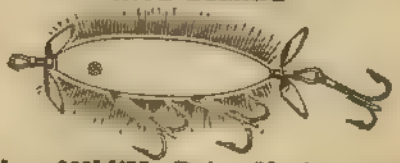
The Surf-Oreno is a surface bait which rides high on the water. Equipped with three treble hooks.

BODY 3¾ IN. LONG

Made of a special light wood.

No. 963RH—Red head and white body .....per dozen $10.20
No. 963W—White body with green and red spotted decorations, per dozen $10.20
No. 963RAIN—Rainbow color, per dozen $10.20
No. 963SF—Scale finish, per dozen $10.20
No. 963GCB—Green cracked back with white belly, per dozen $10.20

NITE-LUMING



No. 963LUM—Body 3¾ in. long, enameled, equipped with two spinners .....per dozen $10.20

ALL ABOVE ONE IN A BOX

OYB SUPREME SALMON LEADERS

Made with selection of heavy Selecto Gut, every strand uniform and round, two knots to each yard, looped at each end, w't per doz. 2½ oz.

SINGLE GUT

No. 901—1 yard ....per dozen $2.90
No. 902—2 yards ...per dozen 4.70

ONE IN A TRANSPARENT ENVELOPE

SALMON EGG LEADERS

Hollow Point Pennell, rustproof hooks, tied to a 2 yard selected tapered Mist Gut leader, looped at the end.

No. 1003—With sizes 8 and 10 hooks, per dozen $5.00
No. 1004—With sizes 10 and 12 hooks, per dozen $5.00

ONE IN A TRANSPARENT ENVELOPE

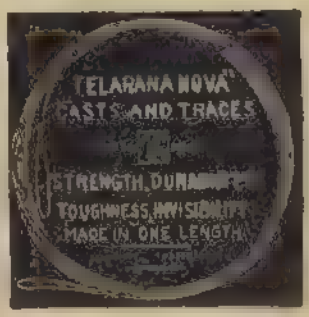
SILK WORM GUT

Genuine Imported Silk Worm Gut, direct from Spain, length 12 in.

No. 21—Regular medium gut, per card $1.30
No. 22—Padron medium gut, per card $1.40
No. 23—Marana extra heavy gut, per card $2.20

100 STRANDS ON A CARD

JOE WELSH "TELARANA NOVA" LEADERS



Made in one piece, no knots, no splices. Very strong and durable and have the additional advantage of being made in a color that blends in with the water, making the leaders practically invisible. Throw no reflections whatever and cannot be seen when in the water.

Extra Heavy, Breaking Strain 30 Lbs.

No. 1—

Length, yds.	1	2	3
Per dozen	$7.20	14.40	21.60

Heavy, Breaking Strain 16 Lbs.

No. 2—

Length, yds.	1	2	3
Per dozen	$5.75	10.80	14.40

Heavy, Breaking Strain 10 Lbs.

No. 3—

Length, yds.	1	2	3
Per dozen	$5.05	10.00	12.25

Light, Breaking Strain 7 Lbs.

No. 4—

Length, yds.	1	2	3
Per dozen	$4.30	8.60	12.90

Light, Breaking Strain 5 Lbs.

No. 5—

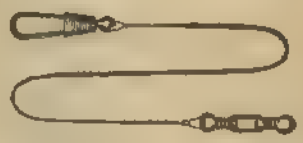
Length, yds.	1	2	3
Per dozen	$3.60	7.20	9.35

ONE DOZEN IN A BOX

These leaders are made by William Robertson, Glasgow, Scotland, and there are many substitutes offered. We have the exclusive sale for the Middle West of the "Telarana Nova." This leader is shown as the "Joe Welsh" and is considered the greatest revolution in fishing tackle since Walton. Good for Salmon fishing, Sea Trout fishing, Dry Fly fishing, Sea fishing, Pike fishing, Bait fishing. Suitable for every kind of fresh and salt water fishing and unaffected by climate.

ONE DOZEN IN AN ENVELOPE

BRONZE WIRE LEADERS



Braided bronze wire, patent snap on one end and swivel on the other.

Nos.	225L	227L	222L
Length, in.	6	10	18
Per dozen	$1.60	1.60	1.90

PIANO WIRE LEADERS

Made of best quality piano wire, fitted with snap and swivel.
No. 281L—Per dozen $1.40

ONE ON A CARD; ONE DOZEN IN A BOX

WEIGHTED WIRE LEADERS

Made of flexible braided wire, fitted with sinker and snap.

Nos.	216L	217L	218L
No. of sinker	6	7	8
Per dozen	$5.60	5.60	5.60

Nos.	219L	220L	221L
No. of sinker	9	10	11
Per dozen	$4.80	4.80	4.80

ONE ON A CARD. ONE DOZEN IN A BOX

OYB
Our Very Best
Is
The Very Best

The trade-mark known for SOUTH BEND QUALITY TACKLE BAIT COMPANY *Dependable tackle by all Anglers*

South Bend Fishing Tackle Display Set No. 379

Buy for $25.00
Sell Contents for $40.31

Better than 60% profit

Here's a crackin' good fishing tackle assortment for hardware dealers.

Consists of a center cut-out in 8 colors, with 3 color cut-out at side. With the displays are included an assortment of selected South Bend Tackle in favorite and popular sellers.

Requires only a space 3¼ feet by 1½ feet—making a catchy display that will well serve the dealer in connecting with South Bend extensive national advertising.

Order now from your jobber. If he cannot supply we will gladly fill order direct.

Send for our Trade Catalog listing and describing complete line of South Bend Tackle.

SOUTH BEND BAIT CO.

929 High Street South Bend, Ind.

Say you saw it in GOOD HARDWARE

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE

TRACTOR PLUGS

SPLITDORF

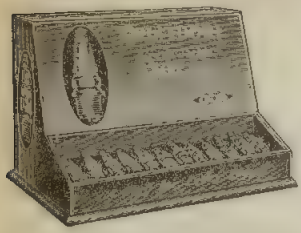
¾ INCH LONG

Fits International Harvester, Titan; Mogul, 15-30 Tractors.

Each

No. 10178—¾ inch U. S. Standard Pipe Thread with ¾ inch Extension; Weight Each, 6 ozs.. $2.50
One in a Box

SPARK PLUG DISPLAY CABINETS



SPLITDORF

Get this Attractive Splitdorf Spark Plug Business Getter Free by Ordering 30 Splitdorf Green Jacket Spark Plugs. A Wonderful Counter Display, a Constant Reminder of the "Plug with the Green Jacket." Containing a Small Compact Stock of 120 Green Jacket Plugs, Suitable for Any Gasoline Engine Plugs Drop Down Vertical Partition in Back of Cabinet. On the Back of Every "Splitdorf Spark Plug Business Getter" is a Chart Showing the Size Plug Suitable for All Makes of Gasoline Engines.

SPARK PLUGS

SOOTLESS

Brass Shell—Mica Core

Sootless Spark Plugs are an Improvement Over All Other Plugs in Many Ways.

The Mica Insulation on the Firing End is Protected from Oil and Soot by a Porcelain Cap, Which is no Part of the Insulation, and is so Arranged and Inclosed that it is Protected Against Breakage

The Mica Insulation on the Firing End is Three Times the Thickness of that Put on Any Other Plug.

Can be Readily Cleaned

Will Give Greater Power and Quicker Action in Starting

Double Explosion Chamber Keeps Carbon From Collecting.

Each

No. SL12F—½ inch U. S. Standard Pipe Thread Weight Each, 6 ozs $2 00
One in a Box

½ INCH LONG

Recommended for Overland, Reo and All Cars Using ½ inch Plugs with ½ inch Extension; Motor Boats.

Each

No. SL12L—½ inch, U. S. Standard Pipe Thread with ½ inch Extension; Weight Each, 6 ozs. $2.00
One in a Box

⅞ INCH REGULAR

Recommended for Cole, Chalmers, Packard, Oldsmobile, Hudson, Maxwell, Cadillac, Locomobile, Paige, and All Other Cars Using ⅞ inch Regular Plugs.

Each

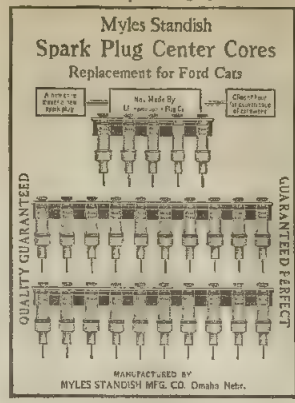
No. SL78—⅞ inch, A. L. A. M. Thread Weight, Each, 6 ozs $2 00
One in a Box

SPARK PLUG PORCELAINS

MYLES STANDISH

PLAIN STYLE

On Display Boards



Boards of 25 Cores—Mounted Singly

Per Board

No. M25P—Display Board Complete with 25 Spark Plug Center Cores; Shipping Weight per Board, 4 lbs. $9 00
One in a Corrugated Shipping Container; Size, 10x12x2¼ inches.

In Individual Boxes

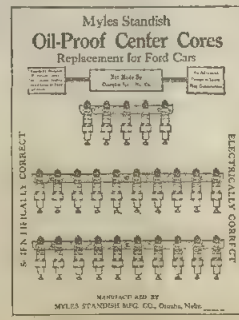
Each

No. M12P—Weight Each, 1 oz. $0 30
One in an Individual Box, 100 in a Package, 5000 in a Case

OIL PROOF PORCELAINS WITH MUSHROOM ELECTRODE

On Display Board

The Demand for Oil-Proof Cores is Increasing Constantly. The Myles Standish Oil-Proof Porcelain is the Same as the Plain with the Exception of the Color and the Center Electrode, Which is Equipped with a Model Mushroom Ball; Constructed to Retain Sufficient Heat to Burn Itself Free from Oil and Carbon.



Boards of 25 Cores—Mounted Singly

Per Board

No. M25-OP—Display Board, Complete with 25 Spark Plug Cores; Weight per Board, 4 lbs $10 00
One in a Corrugated Shipping Container; Size 10x12x2¼ inches.

SPARK PLUGS
SPLITDORF

This is One of the Best Known and Most Reliable Plugs on the Market. Its Strongest Feature is a Center Electrode Wound with Mica and then Covered with a Heavy Porcelain. This Construction Prevents Leakage and Makes the Plug Almost Indestructible.

½ INCH LONG HEXAGON

Recommended for the Following and Other Cars: Ford, Overland (Except 4), Regal and Studebaker.

Each

No. P179—½ Inch U. S. Standard Pipe Thread; Weight Each, 5 ozs..... $1.00
One in a Box

½ INCH REGULAR

Especially Adapted to the New Overland Four Car, Will Also Fit Any Car Using Half inch Plug.

Each

No. P144—½ inch U. S. Standard Pipe Thread. Weight Each, 5 ozs..... $1.15
One in a Box

½ INCH EXTRA LONG

Recommended For Use in Metz Cars, Also for Stationary and Marine Engines.

Each

No. P141—½ inch U. S. Standard Pipe Thread, With One inch Extension; Weight Each, 5 ozs. $1.15
One in a Box

⅞ INCH S. A. E. STANDARD

Fits All Cars Using ⅞ inch A. L. A. M. Thread Including Brisco, Cadillac, Cole, Haynes, Hudson, Hupmobile, Maxwell, Packard, Paige, Pierce, Saxon, Stearns, Velie and Many Others; Also Harley-Davidson Motorcycles.

Each

No. P163—⅞ inch A. L. A. M. Thread; Weight Each, 5 ozs $1.15
One in a Box

⅞ INCH S. A. E. LONG BODY

Especially Adapted for Dodge, Chandler, Jackson, National, Stephens and White Cars.

Each

No. P785—⅞ inch A. L. A. M. Thread; Weight Each, 5 ozs..... $1.15
One in a Box

SPARK PLUGS
SPLITDORF

This is One of the Best Known and Most Reliable Plugs on the Market. Its Strongest Feature is a Center Electrode Wound with Mica and then Covered with a Heavy Porcelain. This Construction Prevents Leakage and Makes the Plug Almost Indestructible.

⅞ INCH S. A. E. LONG

Recommended for the Following Cars: Allen, Apperson 8, Lozier, Mercer, Monroe, Nash, Oakland 32, Oldsmobile, Overland 6, Premier, and Winton.

Each

No. P165—⅞ inch A. L. A. M. Thread; with Half inch Extension; Regular Terminal; Weight Each, 5 ozs..... $1.15
One in a Box

⅞ INCH S. A. E. LONG

Especially Adapted to Buick Cars Prior to 1918 Model; But Can be Used on Any Model or on Any Car Using ⅞ inch Long Plug.

Each

No. P174—⅞ inch A. L. A. M. Thread; With ½ inch Extension and Special Buick Terminal; Weight Each, 5 ozs..... $1.15
One in a Box

⅞ INCH LONG—HEAVY HEXAGON

Buick Special

Also Fits Chalmers 32, Enger, McLaughlin, Scripps—Booth Four

Each

No. P784—⅞ inch A. L. A. M. Thread; With Half inch Extension and Special Buick Terminal; Weight Each, 5 ozs..... $1.15
One in a Box

⅞ INCH LONG

Franklin

Same as No. P165 Only Has Special Ball Terminal Making it Adaptable For Franklin Cars.

Each

No. P182—⅞ inch A. L. A. M. Thread; With Half inch Extension and Ball Terminal; Weight Each, 5 ozs..... $1.15
One in a Box

METRIC—AUTO

Each

No. P143—Metric Thread; Fits All Automobiles Using Metric Thread..... $1.15

MOTORCYCLE

Each

No. P126—Metric Thread, Used on Cleveland, Excelsior Indian Prior to 1916 Indian Light Weight, Reading, Standard and Thor; Weight Each, 5 ozs..... $1.15

No. P157—Regular A. L. A. M. Thread With Special Terminals for Power-Plus Indian Motorcycles; Weight Each, 5 ozs..... 1.15
One in a Box

SPRING BALANCE SCALES

FOR EXPORT

Marked In Kilos

STRAIGHT, LIGHT

Black Japanned, Stamped Steel Case; Polished Brass Face; Stamped Figures and Lines; Tinned Steel Hook and Ring

No.	30M
Capacity, kilos	11
Graduation, kilos	½
Length, Case, inches	5
Width, inches	1⅛
Length Over All, inches	8
Weight per Dozen, lbs.	6
Per Dozen	$4.00

One Dozen in a Box

Marked In Kilos

STRAIGHT, HEAVY

Black Japanned, Stamped Steel Case; Polished Brass Face; Stamped Figures and Lines; Tinned Steel Hook and Ring.

No.	70M
Capacity, kilos	22
Graduation, kilos	1
Length, Case, inches	8¼
Width, inches	3½
Length Over All, inches	13
Weight per Dozen, lbs.	9¾
Per Dozen	$10 50

Half Dozen in a Box

STEELYARDS

HART'S PATTERN

Polished Malleable Iron Hooks; Balanced Head and Stop; Head and Poise Painted Black.

	Per Dozen
No. 50—Capacity 50 lbs., by 2 ozs. Weight per Dozen 40 lbs.	$24 00
No. 150—Capacity 150 lbs., by 4 ozs. Weight per Dozen 64 lbs.	32.50
No. 200—Capacity 200 lbs., by 4 ozs.; Weight per Dozen 90 lbs.	$1.00
✢No. 300—Capacity 300 lbs., by 4 ozs.; Weight per Dozen 110 lbs.	89.00

Half Dozen in a Box

SCALE BEAMS

STANDARD

Tested by Sealed Weights

Forged Steel Black Japanned, Red Striped, White Figures and Markings; Complete with Cast Iron Poises

Nos.	200	300	400	600
Capacity, lbs.	200	300	400	600
Poises, lbs.	1&4	4&8	4&16	8&16
Weight Case lbs.	60	110	183	220
Each	$3 00	5.00	6.00	8 00
	4 20	7.00	8.40	11.20

Six in a Case

SCALE BEAM POISES

Cast Iron, Painted

Nos.	1	2	4	8	16
Weight Each, lbs.	1	2	4	8	16
Each	30 35	.55	.80	1 50	2.70
	80	1 00	1.40	2.60	4.60

Loose

SCALE WEIGHTS

Cast Iron, for Counter Scales

Weight, ozs.	¼	½	1	2
Each	00 60	.60	.80	.80
Weight, ozs.	¼	8	16
Each	80 60	.80	.90
Weight, lbs.	2	4	8
Each	$1 20	1.90	2.10

Loose

WEIGHTS IN SETS

	Per Set
Set of 7 from ¼ to 8 oz	$2 00
Set of 7 from ¼ to 16 oz	2.80

Loose

TEST WEIGHTS

UNITED STATES STANDARD

Weight 50 lbs.; Made of Gray Iron

	Each
No. TW50S—Sealed	$15 00

Loose

Items Marked ✢ Not Carried in Stock, Can Only be Furnished by Shipping Direct from Factory

SPRING BALANCE SCALES

STRAIGHT; LIGHT

Black Japanned, Stamped Steel Case; Polished Brass Face Stamped Figures and Lines; Tinned Steel Hook and Ring.

Nos.	2000	20	30
Capacity, lbs	2	25	50
Graduation, lbs	½	½	1
Length Case, inches	4½	5	5¾
Width, inches	1¼	1½	1⅝
Length Over All, inches	8	8	10
Dozen in a Box	1	1	1
Weight per Dozen, lbs.	2¼	2½	4½
Per Dozen	$3 20	3.70	6 30

STRAIGHT; HEAVY

Black Japanned, Stamped Steel Case, Polished Brass Face, Stamped Figures and Lines; Tinned Steel Hook and Ring.

Nos.	40	70
Capacity, lbs.	25	50
Graduation, lbs.	½	1
Length Case, inches	6¼	8¼
Width, inches.	1¾	2½
Length Over All, inches.	10¼	13
Weight per Dozen, lbs.	4½	9¾
Per Dozen	$8 00	16.00
	8 80	17 60

Half Dozen in a Box

STRAIGHT; EXTRA HEAVY

Black Japanned, Stamped Steel Case, Polished Brass Face, Stamped Figures and Lines; Tinned Steel Hook and Ring.

Nos	80	90
Capacity, lbs	80	100
Graduation, lbs	1	1
Length Case, inches	11	12¾
Width, inches.	2½	3
Length Over All, inches	16	18
Dozen in a Box.	¼	¼
Weight per Dozen, lbs.	20	43
Per Dozen	$48 00	84.00
	52 80	92.40

ROUND; LIGHT

Black Japanned Steel Case; Polished Brass Dial; Stamped Figures and Lines. Tinned Steel Hook and Ring.
Length of Case 5¾ inches; Diameter of Case 2¼ inches Length Over All 10 inches.

Per Dozen
No. 10—Capacity, **25 lbs.**, by 1 lb.; Weight Each 4 lbs. **$9.00**
Half Dozen in a Box

SPRING BALANCE SCALES

STEEL KING

ICE

Black Japanned Steel Case; the Brass Dial is Long with Very Distinct Markings: the Spring Cannot be Strained Beyond its Capacity; Scale is Quickly Adjusted by Removing Cap and Turning Adjusting Screw.

Size of Case 7⅝x3 inches; Length Over All 16½ inches.

Each
No. 200B—Capacity, **200 lbs.**, by 2 lbs. **$10 50**

No. 300B—Capacity, **300 lbs.**, by 5 lbs. **11.00**
Weight Each 5 lbs.
One in a Box

IRON CLAD

ICE

Malleable Iron Case; Black Japanned and Ornamented Nickel Plated Brass Dial; Markings Stamped in; Tinned Steel Ring and Hook.

Size of Case 10½x3 inches; Length Over All 13 inches.

Each
No. 140—Capacity, **200 lbs.**, by 2 lbs. **$10.50**

No. 150—Capacity, **200 lbs.**, by 5 lbs. **10.00**
Weight Each 5¼ lbs.
One in a Box

ICE

Japanned Steel Case; Special Drawn Steel Wire Spring Japanned. Very Compact with Longer Dial than Ordinary Makes. Polished Brass Face, with Stamped in Figures and Markings.

Nos	50P	100P	150P
Capacity, lbs	50	100	150
Graduation	½	1	1
Length, Case, inches	4¾	6¾	6⅝
Width, inches.	1¼	1⅝	1⅝
Length Over All, inches	11½	18	18
Dozen in a Box.	½	¼	¼
Weight per Dozen, lbs.	6	21	23
Per Dozen	$22 00	50 00	58.00

MILK AND CREAM

A Loose Pointer, Regulated by Thumb Screw, May be Set at Any Point on the Dial, to Take the Tare of Milk Pails, etc.
Black Enameled Steel Case; Polished Brass Face, Stamped in Figures and Lines; Tinned Steel Hook and Ring.

Nos.	260MD	270MD
Capacity, lbs	30	60
Length Face, inches.	10½	12
Width, inches.	4¼	4¼
Length Over All, inches	15¼	17
Weight per Dozen, lbs.	28½	33
Each.	$9.50	11 50

One in a Box

STANLEY 4 SQUARE HOUSEHOLD TOOLS

AWL

A rivet through the ferrule handle and shank securely fastens the blade in the black handle.

Over All	Blade	Packed	Weight	Each
5 in.	1¼ in.	6	½ lb.	$0.30

HAND AXE

One piece of tool steel, hand tempered in oil. Polished and honed cutting edge. Head, black lustrous finish. Black hickory handle.

Over All	Wt. Head	Packed	Weight	Each
18 in.	2¼ lbs.	1	3 lbs.	$1.75

PRY BAR

Chisel steel, drop forged. Black handle, polished bit

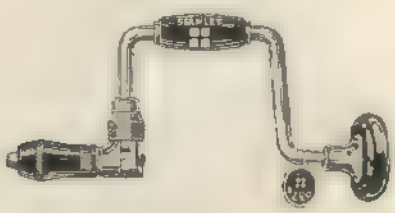
Length	Diam.	Packed	Weight	Each
15 in.	⅝ in.	1	1¾ lbs.	$0.75

AUGER BITS

Solid center, extension lip, double cutter. Highly finished, shank end of bit black.

Size	Packed	Weight	Each
4/16 in.	6	⅓ lb.	$0.50
6/16 in.	6	¾ lb.	.50
8/16 in.	6	1⅛ lbs.	.50
10/16 in.	6	1½ lbs.	.60
12/16 in.	6	2 lbs.	.75
16/16 in.	6	2⅞ lbs.	1.00

BIT BRACE



Open ratchet. Alligator jaws. Nickel plated. Black shell, hardwood head and handle.

Sweep	Packed	Weight	Each
8 in.	2	4⅛ lbs.	$2.00

CHISELS

Socket, pocket bevel edge. Black handle, leather cap.

Length	Cut	Packed	Weight	Each
3¼ in.	⅜ in.	6	1⅝ lbs.	$0.90
3¼ in.	½ in.	6	1¾ lbs.	.95
3¼ in.	¾ in.	6	2 lbs.	1.00
3¼ in.	1 in.	6	2⅜ lbs.	1.25

SCREW DRIVERS

Round steel blades. Riveted through ferrule, handle and shank. Black fluted and tapered handle.

Blade	Length	Packed	Weight	Each
1½ in.	3¾ in.	6	⅛ lb.	$0.15
2½ in.	6½ in.	6	¾ lb.	.30
4 in.	9 in.	6	1¾ lbs.	.35
5 in.	10½ in.	6	2¼ lbs.	.40

FILES

Mill Single cut. Fitted into black handle

Size	Packed	Weight	Each
8 in.	6	2 lbs.	$0.25

Slim taper. Single cut. Fitted into black handle

Size	Packed	Weight	Each
6 in.	6	1 lb.	$0.20

HAMMER

Carefully forged, special steel, hardened and tempered. Bell face, round neck and poll. Face, poll and top of claw are polished. Balance of head is black. Black hickory handle

Over All	Wt. Head	Packed	Weight	Each
13 in.	14½ oz.	1	1¾ lbs.	$1.00

PUTTY KNIFE

Crucible steel blade, ½ elastic. Black, hardwood handle

Over All	Blade	Packed	Weight	Each
3¾ in.	1⅜ in.	6	¾ lb.	$0.35

ALBANY HARDWARE & IRON CO.

STANLEY 4 SQUARE HOUSEHOLD TOOLS

LEVEL

Carefully seasoned, selected hard wood. Black "Hand y" grip. Non-adjustable prooved glasses.

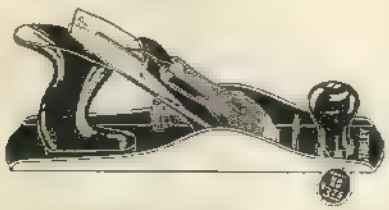
Length	Stock	Packed	Weight	Each
18 in.	2⅜x1¼ in.	1	1⅜ lbs	**$1.25**

BLOCK PLANE

Screw adjustment on cutter. Black lever cap and sides. Nickel plated lever screw, lever cam, adjusting wheel and screw.

Length	Cutter	Packed	Weight	Each
6 in.	1⅝ in.	1	1⅜ lbs.	**$1.50**

JACK PLANE



Cutter is adjustable endwise and sidewise. Black hardwood handle and knob Sides polished.

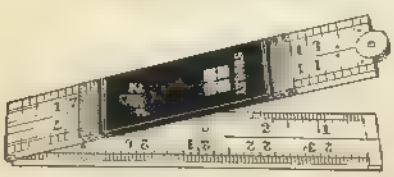
Length	Cutter	Packed	Weight	Each
11½ in.	1¾ in.	1	3⅜ lbs.	**$3.75**

PLIERS

Forged from high grade tool steel, coppered and nickel plated. Combination slide joint and shear cutter, narrow nose.

Size	Packed	Weight	Each
6½ in.	12	5¾ lbs.	**$0.50**

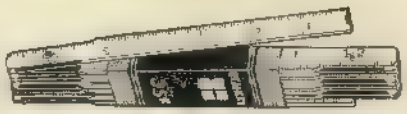
BOXWOOD RULE



Four fold. Round joint, middle plates. Graduated in 8ths and 16ths inches in heavy figures

Length	Width	Packed	Weight	Each
2 feet	1 inch	12	1¾ lbs.	**$0.25**

ZIG-ZAG RULE



Rivet joints. Yellow enamel finish, black joints and tips. Regular figuring. Graduated in 16ths inches on both sides.

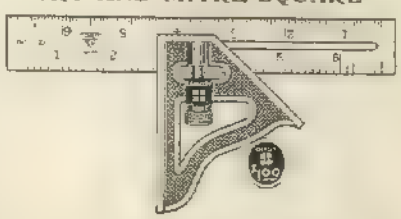
Length	Packed	Weight	Each
4 feet	6	1 lb	**$0.35**

SAW

Thin skew-back Highly polished crucible steel blade. Black handle with four nickel plated brass screws.

Size	Point	Packed	Weight	Each
24 in.	8	1	1¾ lbs.	**$2.25**

TRY AND MITRE SQUARE



Blade nickel plated, edges machined and squared inside and out, graduated in 8ths and 16ths inches. Black iron handle.

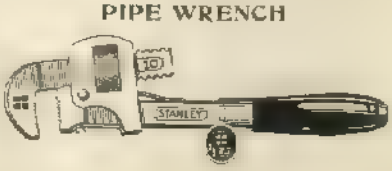
Blade	Handle	Packed	Weight	Each
7 in.	2⅝ in.	1	½ lb.	**$1.08**

VISE

Carefully ground and fitted jaws. Vise screw with square, lathe cut thread works in long malleable nut, patented split washer under screw head takes up wear. Black body

Jaws	Packed	Weight	Each
2 in.	1	4¼ lbs.	**$2.50**

PIPE WRENCH



Hardened steel jaws. Black wood handle

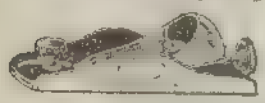
Length	Capacity	Packed	Weight	Each
10 in.	⅛ to 1 in.	6	9⅛ lbs.	**$1.25**

LOW-ANGLE BLOCK PLANES

STANLEY

In the Low-Angle Planes the Cutter Rests on its Seat at an Angle of Only 12 Degrees. This Angle Permits of Great Ease in Working Across the Grain on Hard Woods.

All Cutters are Made of High Grade Steel and are Adjustable Endwise by Means of the Adjusting Wheel at the Rear of the Plane.



Adjustable Throat for Coarse or Fine Work; Length 6 inches; 1⅝ inch Cutter; Weight 1¼ lbs

Each

No. 60 —Nickel Trimmings **$3 90**
No. 60½—Japanned Trimmings..... **3 50**

One in a Box

Solid Throat, Not Adjustable; Rosewood Knob; Nickeled Trimmings; The Cutters are Adjustable Endwise and the Planes are Fitted with the "Hand-y" Feature On Account of their Size and Simple Adjustments, these Planes will Commend Themselves to Teachers of Manual Training.

Each

No. 61—Length 6 inches; 1⅝ inch Cutter; Weight 1¼ lbs.....**$3.30**

One in a Box

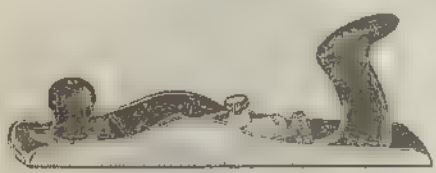
Adjustable Throat for Coarse or Fine Work; with Patented Knuckle Joint. Length 7 inches; 1⅝ inch Cutter, Weight 1⅞ lbs.

Each

No. 65 —Nickeled Knuckle Joint... **$4 50**
No. 65½—Japanned Trimmings ... **3 70**

One in a Box

JACK



This Plane is Especially Adapted for Use in Cutting Across the Grain on Heavy Work, where More Power is Required than can be Obtained by the Use of the Ordinary Block Plane. It is Fitted with a Rosewood Handle and Knob, and is Designed to be Operated with Both Hands.

Japanned Trimmings Each

No. 62—Length 14 inches; 2 inch Cutter, Weight 3⅝ lbs..... **$8 00**

One in a Box

SCRUB PLANES

STANLEY

With these Planes the User can Quickly Plane Down to a Rough Dimension any Board that is Too Wide to Conveniently Rip with a Hand Saw, an Operation that is Sometimes Called "Hogging." This is Made Possible by Reason of the Peculiar Shape of the Extra Heavy Cutter, the Cutting Edge of which is Rounded Instead of Square.

Japanned Cast Iron; Beechwood Handle and Knob.

Each

No. 40 —Length 9½ inches; 1⅝ inch Cutter; Weight 2⅛ lbs. . **$3 50**
No. 40½—Length 10½ inches; 1⅝ inch Cutter; Weight 2½ lbs **4 50**

One in a Box

RABBET AND BLOCK PLANES

STANLEY

Cast Iron, Japanned Trimmings; Rosewood Knob. A Detachable Spur will Easily Change it from a Block Plane to a Rabbet Plane, and Vice Versa, a Combination that will be Appreciated by Many. The Cutter is Adjustable Endwise, and Set on a Skew.

Each

No. 140—Length 7 inches; 1¾ inch Cutter; Weight 1⅝ lbs. **$4 30**

One in a Box

RABBET AND FILLETSTER PLANES

STANLEY

SKEW CUTTER

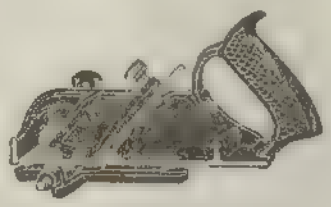
This Plane has an Extra Wide Skew Cutter. An Adjustable Spur is Fitted to Each Side. The Fence and Depth Gauge can be Attached to Either Side; the Plane is Therefore Suitable for Right or Left Hand Work. The Adjustable Fence Slides Under the Bottom, Regulating the Width of the Cut. Remove Arms and Fence, and a Skew Cutter Rabbet Plane is Obtained.

Each

No. 289—Length 8⅛ inches; Handles; Cast Iron; Japanned; 1¾ inch Cutter; Weight 3¾ lbs..... **$5.50**

One in a Box

DUPLEX



This Plane has Two Seats for the Cutter, One for Regular Work and the Other where a Bull nose is Required. It has a Spur and a Removable Depth Gauge. The Adjustable Fence can be Used on Either Side and Slides Under the Bottom, Regulating the Width of the Cut. To Work Same as a Rabbet Plane Remove Fence and Arms.

Each

No. 78—Length 8½ inches; Handled; Cast Iron; Japanned; 1½ inch Cutter; Weight 3 lbs..... **$4.70**

One in a Box

The Sides and Bottom Being Square with Each Other, the Plane will Lie Perfectly Flat on Either Side.

It has an Adjustable Fence which Slides Under the Bottom, Regulating the Width of the Cut.

It is Fitted with Two Spurs, One on Each Side, for Working Across the Grain, Also an Adjustable Depth Gauge.

As Both the Fence and the Depth Gauge can be Attached to Either Side, the Plane is Suitable for Either Right or Left Hand Work.

The Front Part of the Plane can be Easily Detached, thus Providing a Bull Nose Plane for Working Close up into Corners or Other Difficult Places.

The Cutter is Adjustable Endwise. Each

No. 278—Cast Iron; Japanned Trimmings; Length 6¾ inches; 1 inch Cutter; Weight 2 lbs. **$4 60**

One in a Box

RABBET PLANES

STANLEY

CARRIAGE MAKERS

These Planes are Especially Adapted for the Heavy Framing Required in Mining Work, for Carriage or Wagon Building, or in any Work of Similar Nature. They are Constructed Along the Lines of the "Bailey" Plane, Having a Cutter of the Double Type and Being Adjustable Both Endwise and Sidewise.

Length 9 inches; 2⅛ inch Cutter; Rosewood Handle and Knob; Weight 3 lbs.

Each

No. 10½—Flat Bottom..... **$7 70**

One in a Box

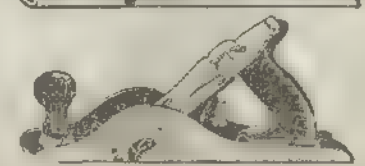
Length 13 inches; 2⅛ in. Cutter, Rosewood Handle and Knob; Wt. 4¼ lbs.

Each

No. 10—Flat Bottom..... **$9.10**

One in a Box

TILTING HANDLE



This Plane not Only has all the Features of Nos. 10 and 10½, but in Addition Both the Handle and Knob can be Tilted to Either Side. This Permits of the Plane being Worked with Ease Close up to Perpendicular Sides of any Height Without Hurting the Hands of the User. It is Also Fitted with Spurs on Both Sides so that it will Rabbet Across the Grain Equally as Well as with it.

Length 13 inches; 2⅛ inch Cutter; Rosewood Handle and Knob. Weight 4¼ lbs. Each

No. 10¼—Flat Bottom.....**$10.90**

One in a Box

TRADE MARK REGISTERED BY THE U. S. PAT. OFFICE.

RABBET PLANES

STANLEY

These Planes will lie perfectly flat on either side and can be used equally as well with right or left hand while planing into corners or up against perpendicular surfaces.

Length 8 Inches; Handled; Cast Iron; Japanned; Fitted with a Spur which permits the Plane being used for working across the Grain; also fitted with a detachable Depth Gauge

Nos.	190	191	192
Cutter, inches	1⅝	1¼	1
Weight, lbs.	2½	2¼	2
Each	$4 30	4.00	3.80

One in a Box

BULL NOSE RABBET PLANES

STANLEY

Cast Iron; Japanned Trimmings; This Plane will be found very useful for working close up into corners or other difficult places. The mouth can be adjusted for different widths by means of the set screw on top of the plane.

Each

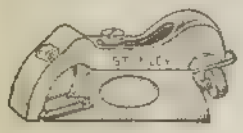
No. 75—Length 4 inches; 1-inch Cutter; Weight ⅝ lb..... $1 10

One in a Box

CABINET MAKERS RABBET PLANES

STANLEY

For fine cabinet or other work where extreme accuracy is required. The sides and bottom, being square with each other, the Planes will lie perfectly flat on either side, and can be worked either right or left hand. They have adjustable throats; this means that the width of the throat opening, or mouth, can be widened or narrowed as coarse or fine work may require. They are also fitted with the side groove or "Hand-y" grip feature. The cutters are adjustable endwise.



BULL NOSE PATTERN
Nickel Plated Cast Iron.

This Plane is so designed that it can be used close up into corners or other difficult places.

Each

No. 80—Length 4 inches; 1-inch Cutter; Weight 1 lb.....$5.70

One in a Box

REGULAR PATTERN
Nickel Plated Cast Iron.

Each

No. 92—Length 5½ inches, ¾-inch Cutter; Weight 1½ lbs.....$5.70
No. 93—Length 6½ inches; 1 -inch Cutter; Weight 1¾ lbs..... 6.80

One in a Box

CABINET MAKERS EDGE PLANES

STANLEY

For Piano Makers and all Cabinet Workers. It has a cutter resting on a solid bed practically its entire length. The cutting edge being [illegible] the form of a Chisel [illegible] close to the corners. The cutter is adjusted by a Rosewood Knob.

Each

No. 97—Length 10 in. Cast Iron; Japanned; 2¼ in. Cutter, Wt. 3¾ lbs. $6.50

One in a Box

EDGE TRIMMING PLANES

STANLEY

Designed especially for trimming or smoothing the ends of boards, such as sidings, etc., for a square or close fit. It has a right angle rest or guide from the cutter edge, and the cutter works on a skew giving an easy shaving cut. In the rest or guide are two screw holes to which wood blocks of various bevels may be attached enabling the user to make a slanting cut.

Each

No. 95—Length 6 inches; Japanned Cast Iron; ⅜ inch Cutter. Weight 1¼ lb.....$2.70

One in a Box

SIDE RABBET PLANES

STANLEY

These will be found to be very convenient for side-rabbeting in trimming dados, mouldings and grooves of all sorts. A reversable nose-piece gives the tool a form whereby it will work close up into corners when required.

Each

No. 98—Right Hand; Length 4 inches; ½ inch Cutter; Nickel Plated Cast Iron; Rosewood Knob; Weight ½ lb..... $3 20

One in a Box

These will be found to be very convenient for side-rabbeting in trimming dados, mouldings and grooves of all sorts. A reversible nose-piece gives the tool a form whereby it will work close up into corners when required.

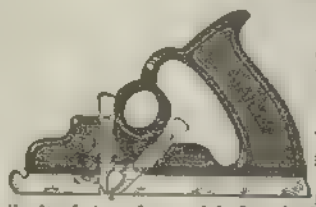
Each

No. 99—Left Hand; Length 4 inches; ½ inch Cutter; Nickel Plated Cast Iron; Rosewood Knob; Weight ½ lb..... $3.20

One in a Box

DADO PLANES

STANLEY



This Plane has an extra narrow cutter, only ⅛ of an inch wide, making it an ideal tool for blind wire grooving, as well as for many other purposes.

It is fitted with a double spur, which prevents splintering when working across the grain and insures a smooth, clean cut.

A depth gauge is also attached allowing a groove to be cut of any desired depth up to limit of the plane—½ of an inch. This Plane will be of special interest to electricians.

Each

No. 239—Cast Iron; Japanned Trimmings; Length 7½ inches; ⅛ inch Cutter; Weight 1 lb. $8.20

One in a Box

The great advantage of these Dado Planes over those made of wood is that they will keep true under all conditions, even in the narrowest widths. They have skew cutters, an adjustable depth gauge, and two adjustable spurs, one on each side of the plane. This adjustable feature permits of the spurs being adjusted to take up wear, as well as for the depth of the cut.

The plane is made in seven sizes from ¼ inch to 1 inch in width. In ordering always give the number (39) and width of cutter desired.

No. 39—Cast Iron; Japanned Trimmings; Length 8 inches.

Cutter, Inches	1/4	3/8	1/2
Weight, Lbs.	1¾	1¾	1¾
Each	$4.20	4.40	4.70
Cutter, Inches	**5/8**	**3/4**	**7/8**	**1**
Weight, Lbs.	2	2	2¼	2¼
Each	$5.00	5.20	5.40	5.60

One in a Box

LEVELS ONLY

HOUSEHOLD
WOOD

Accurate, Durable and Well Finished; Made Small so can be Conveniently Carried in the Pocket.

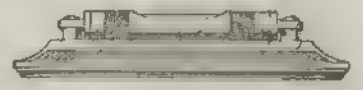
Per Dozen

No. D200—6 inches Long; ⅝x1 inch Polished **Genuine Rosewood** Stock; Brass Top Plate; Two Side Views; Weight, Each ⅜ lb.; Weight per Dozen 1¼ lbs. **$4 50**

One Dozen in a Box

STANLEY MACHINISTS
IRON

No. 34



No. 34G

ECLIPSE

Full Nickel Plated; Cast Iron Base; Steel Case; Ground Glass Fitted in Metal Case; an Outer Shell Fitted Over the Case, Can be Turned so as to Completely Protect the Glass, when not in Use; the Case is Screwed to Base and Machined to Fit Accurately; the Level May be Adjusted by Means of the Screws.

No. 34—FLAT BOTTOM

Length, Inches	6	8
Weight Each, lbs.	¾	1⅛
Per Dozen	$35 00	46.50

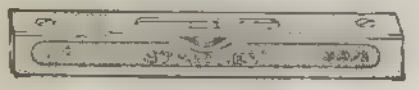
Twelfth Dozen in a Box

No. 34G—GROOVED BOTTOM

For Leveling Shafting, Pipe, etc. Used Also on Flat Surfaces.

Length, In.	4	6	8	10
Wt. Each, lbs.	⅜	¾	1⅛	1¾
Per Dozen	$27.50	35.00	46.50	51.30

Twelfth Dozen in a Box



CAST IRON STOCK, STEEL TOP

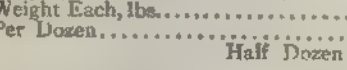
Full Nickel Plated; Machined and Polished Faces; Top Screwed to Stock, Bulb Set in Plaster; Proved Glass.

Nos.	38½	39½
Length, inches	4	6
Weight Each, lbs.	5/16	⅜
Per Dozen	$13 00	16.00

Half Dozen in a Box

HEXAGON POCKET LEVELS

STANLEY



For Leveling up Clocks, Cameras, etc.

No. 31—Nickel Plated, Steel Case; "Proved" Glass

Length, Inches	2½	3	3½
Weight Each, lbs.	1/16	⅛	⅛
Per Dozen	$9.50	11.00	13.50

Half Dozen in a Box

STRAIGHT EDGE POCKET LEVELS

STANLEY

Can be Attached to Any Straight Edge or Carpenters Square.

Japanned Cast Iron Body; "Proved" Glass; 3¼ inches Long

Per Dozen

No. 40—Japanned Iron Top Plate; Weight Each ⅛ lb.; Weight per Dozen 1⅝ lbs. **$3.40**

No. 41—Brass Top Plate; Weight Each ⅛ lb.; Weight per Dozen 1⅝ lbs. **3.60**

One Dozen in a Box

FARM LEVELS

BOSTROM

Meets every requirement for all kinds of Building, Setting out Farm work requiring a Level.

Telescope is "Achromatic," giving a clear field, and was designed especially for this Instrument; and gives the operator a longer range and clearer sight. You can read the cross on the Target at a distance of about one-fourth of a mile, in any direction, thus being enabled to cover a scope of one-half mile, as the Turret carrying the Telescope revolves.

The line of sight is arrived at by cross hair lines set in the system of the magnifying glasses in the Telescope, and which cannot be dislodged or destroyed. The Turret carrying the telescope and bubble revolves so that the telescope may be pointed in any direction desired, without the necessity of readjusting the level.

Rod and Target composed of a telescopic or sliding target rod, with thumb screw for securing in any position and is graduated to feet, inches and one-fourth of an inch, telescoping to five feet when closed, and to nine and one-half feet when extended, the target is sliding and of the usual form.

Plumb Bob included which adapts the Lever to the use of Architects, Contractors and Builders.

TRIPOD—This is composed of three wooden Legs and Head receiving the Adjusting Head, which supports the Face Plate.

Adjusting Head is screwed on to the Tripod and carries Three adjusting screws for the adjustment of Face Plate and Level to a perfectly horizontal position. Face Plate is attached to the Adjusting Head by a screw and strong spring which presses the Face Plate firmly against the ends of THREE adjusting screws, and at the same time insures a flexible joint, so that the Face Plate can adjust itself to any position. For the purpose of obtaining any angle desired, this Face Plate has a graduated circle, divided into 360 degrees, numbered from zero to 90 degrees in both directions, giving zero points on opposite sides of the circle

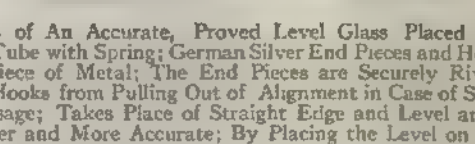
Each

No. F—Farm Level Complete with Level, Telescope, Target and a Plumb Bob, all packed in a Neat Wood box; Tripod and Sliding Target Rod Wrapped; Weight Each 11 lbs **$36.00**

One in a Box

LINE LEVELS

STEVENS



Consists of An Accurate, Proved Level Glass Placed in a 3-inch Aluminum Tube with Spring; German Silver End Pieces and Hooks formed from One Piece of Metal; The End Pieces are Securely Riveted, Thus Preventing Hooks from Pulling Out of Alignment in Case of Severe Strain or Rough Usage; Takes Place of Straight Edge and Level and Does the Work Quicker and More Accurate; By Placing the Level on the Line at the Point Where the Deflection is Equal Toward Both Ends, the End Points Can be Brought Absolutely Level Regardless of How Taut the Line May be Pulled; Convenient and Reliable for Ditching, Sewering Laying Drain Pipe, Tile, Etc.

Per Dozen

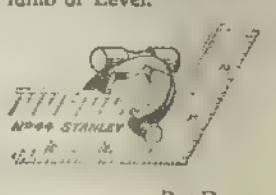
No. LL—Weight per Dozen 1 lb. **$11.00**

Twelfth Dozen in a Carton; One Dozen in a Box

BIT AND SQUARE LEVELS

STANLEY

This Tool has three pairs of V slots on its back edges. The shank of a Bit will lie in these slots, either vertical or at an angle of 45 degrees, and Boring can be done with perfect accuracy. It can also be attached to a Carpenter's square, making it an accurate Plumb or Level.



Per Dozen

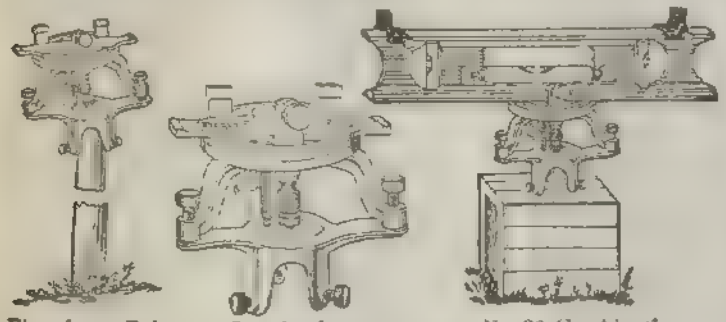
No. 44—Cast Brass Frame and Set Screw; Proved Glass; Width 1⅝ Inches; Weight Each, 3 ozs.; Weight per Dozen 2¼ lbs. .. **$9 50**

Twelfth Dozen in a Box

LEVELING STANDS

STANLEY

A Leveling Stand Used in Connection with a Wood or Iron Level and a Pair of Level Sights will be Found in Many Cases a Very Satisfactory and inexpensive Substitute for the More Expensive Surveyors' Instruments. By its use One can Readily Determine Levels from a Given point to One at a Distance Such as Locating or Setting the Profiles for Foundation Work, Ascertaining the Proper Grades for Drains, Ditches, etc. This Stand may be Used on a Reasonably Level Surface or Placed on a Pole or Crow-Bar even when Same are not Exactly Perpendicular. The Base has Three Supporting Arms on which the Stand Proper Rests and by Slightly Adjusting Screws the Swivel Part of the Stand can be Made Exactly Level. A Bolt Passes Through the Stand and is Screwed into the Base Holding the Two Parts together when adjusting the Level for Use. The Swivel is Accurately Machined so that it Works Freely and can be Locked in any Position Desired by the Small Knurled Screw Located Immediately under the Center.



Placed on a Pole. Stand only. No. 39 Combination.

All Parts are Made of Malleable Iron, Nickel Plated.

Each

No. 38—For Use with a Metal Level; 4½ inches Long; 3½ inches Wide; Weight Each 1⅝ lbs. $4.10
One in a Box

No. 48—For Use with Any Ordinary Wood Level; 4½ inches Long; 3½ inches Wide; Weight Each 1⅝ lbs. 4.10
One in a Box

Per Set

No. 39—A Combination of the No. 38 Stand, a No. 36-12 inch Stanley Metal Level and a Pair of No. 2 Stanley Level Sights; Weight Per Set 4 lbs $9.70
One Set in a Box

PLUMB AND LEVEL GLASSES

★DIAMOND EDGE

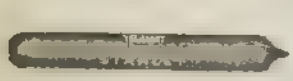
TRADE MARK REGISTERED — IN THE U. S. PAT. OFFICE.

Sold only in full boxes of one dozen

Highest Quality Extra Thick Clear Glass Tubing, accurately ground inside, leaving a Fine Cylindrical Form. Center marks are cut into the Glass and Filled with Red Enamel making them plainly Readable. This also offers great assistance in setting a glass accurately in a Level

Nos.	DEX	DE1¼	DE1½	DE1¾
Length, inches	Assorted	1¼	1½	1¾
Weight per Dozen, lbs.	¼	⅓	⅓	½
Weight Gross, lbs.	3	1½	1½	2¼
Per Gross	$13.50	12.00	12.00	12.00
Nos.		DE2	DE2½	DE3
Length, inches		2	2½	3
Weight per Dozen, lbs.		½	¼	½
Weight gross, lbs.		2¼	3	3
Per Gross		$12.50	12.50	13.50

Twelfth Gross in a Box



STANLEY

PROVED GLASSES

Sold only in full boxes of one dozen

Stanley Plumb and Level Glasses are made of extra thick tubing. By a patented process each Glass is marked at its central or crowning point by two indelible lines, enabling the user to very quickly center the bubble.

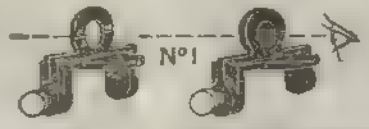
Lengths, Inches	1½	1¾	3	2½
Wt. Doz., lb.	¼	¼	⅓	⅓
Weight Gross, lbs.	3	3	5¼	5¼
Per Gross	$19.50	19.50	22.00	24.50
Lengths, Inches	3	3½	4	Assorted
Wt. Doz., lb.	½	⅓	¾	½
Wt. Gross, lbs.	6	6¾	9	6
Per Gross	$26.70	28.40	34.50	25.70

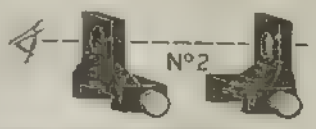
Twelfth Gross in a Box

LEVEL SIGHTS

STANLEY

They can be attached to any Level, for leveling from one given point to another a long distance away. When not in use the Level Sights are easily detached, and can be packed away in a small space, for future use.





Cast Iron, Blued Finish; Nickel Plated Steel Set Screws.

Per Dozen Pair

No. 1—For Wood Levels; Width Inside 1⅜ inches; Weight per Pair 4 ozs.; Weight per Dozen Pair 3 lbs. $21.20

No. 2—For Iron Levels; Width Inside ⅞ inch; Weight per Pair 4 ozs.; Weight per Dozen Pair 3 lbs. 21.20

Twelfth Dozen Pair in a Box

PLUMB BOBS

★DIAMOND EDGE

TRADE MARK REGISTERED — IN THE U. S. PAT. OFFICE

Hexagon Steel; Cannot Roll

Solid Steel, Hexagon Body, Round Point; Nickel Plated on Heavy Copper Plate and Highly Polished; With Screw Plug in Top, Through which the Cord Passes.

Nos	DE15	DE25	DE50
Weight, ozs.	6	8	12
Size, inches	⅜x3	⅜x3¾	1⅛x3¾
Weight per Dozen, lbs	4½	6	9
Per Dozen	$12.50	12.50	18.50

Twelfth Dozen in a Box

STANLEY

ADJUSTABLE

With Reel and Line

Fitted with Reel at Upper End, upon which the Line is Held; A Steel Spring Holds the Reel in Check at any Point.

Per Dozen

No. 2X—Weight 12 Ozs.; Polished Bronze Metal, with Steel Point; Milled Edge Brass Reel; Hard Braided Linen Line; Diameter 1⅜ inches; Length Over all 4¼ inches; Weight per Dozen 11 lbs. $47.50

Twelfth Dozen in a Box

SCREW TOP

Polished Cast Brass with Polished Hardwood Steel Point Screw Top with Hole in Center to Pass Line Through.

Nos.	5	6	8
Weight, ozs.	6	11½	16
Diameter, inches.	1⅞	1½	1¾
Length, inches	3⅛	3⅜	3½
Weight Doz., lbs.	4¾	8¼	12½
Per Dozen	$10.50	15.00	16.00

Half Dozen in a Box

NICKEL PLATED CAST IRON

Accurately Made from Soft Gray Iron; Points Hardened; Alignment is Perfect.

Nos.	N28	N30
Weight, ozs.	6	12
Diameter, inches	1⅝	1¾
Length, inches	3⅜	3¾
Weight per Doz., lbs	4¾	9
Per Dozen	$3.80	4.40

Half Dozen in a Box

JAPANNED CAST IRON

Adjusted Top; Carefully Ground

Nos.	2	12	2/0	22
Weight	9½ ozs.	11½ ozs.	1⅛ lbs.	2 lbs
Diam., inches	1⅝	1⅞	2	2⅛
Length, inches	2⅛	3	3⅝	4
Wt Doz., lbs.	7⅛	9	14	24
Per Doz	$2.20	2.50	4.40	6.50

Nos. 2 to 2/0, Half Dozen in a Box; Others, Loose

MATCHING PLANES

STANLEY

These Planes cut a tongue on the edge of one board to fit a groove in the edge of another board, so that when put together the surfaces of the boards come true.

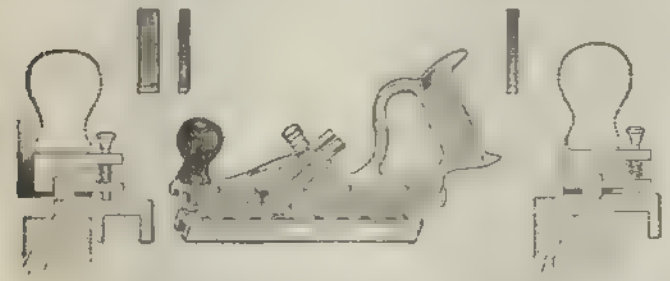
DOUBLE END

These Planes have two separate cutters, a plow, and a tongue tool both governed by one permanent fence. The tongue tool has one edge wider than the other, which overhangs one side when tonguing on center Both tongue and groove are cut by working the tool in the same direction by merely reversing it end for end.

Cast Iron; Nickel Plated; Handles Cast Solid with Body

	Each
No. 146—Cuts 1/8 Groove, on boards 5/16 in. to 1/2 in. Centers on 3/8 in. Weight 1 1/2 lbs.	$5.70
No. 147—Cuts 3/16 Groove, on boards 1/2 in. to 3/4 in. Centers on 5/8 in. Weight 1 1/2 lbs.	6 00
No. 148—Cuts 1/4 Groove, on boards 3/4 in. to 1 in. Centers on 7/8 in. Weight 2 1/8 lbs.	6 40

One in a Box



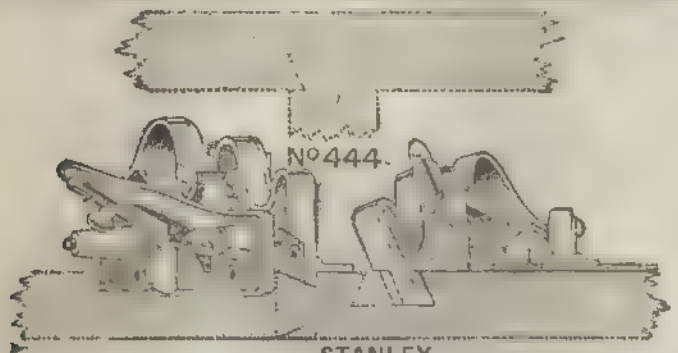
This form has two plow cutters of the same width, and one extra wide cutter. The fence in one setting exposes two cutters for cutting the tongue, and, when reversed, leaves only one exposed for cutting the groove. On thicker boards than the plane works on center, the extra wide cutter is set similar for groove cutter when [illegible] for use.

Cast Iron; Nickel Plated; Rosewood Knobs.

	Each
No. 48—Cuts 5/16 Groove, on boards 3/4 in. to 1 1/4 in. Centers on 1/8 in. Weight 3 3/4 lbs.	$7.50

One in a Box

DOVETAIL TONGUE AND GROOVE PLANES



STANLEY

It will cut any size grooves and tongues to fit with sides at flare of 20 degrees, where the width of the neck is more than one-quarter of an inch and the depth of groove not more than three-quarters of an inch. The tongue and groove are cut separately, and can be made with parallel or tapering sides. The operation of the Plane is simple. A circular containing instructions for assembling and operating is packed with each tool. All parts carefully machined and [illegible]

Three Sizes of Cutters are furnished for forming Grooves; Smaller Size for 1/8 and 5/16 inch Boards; Medium Size for 1/4 and 3/8 inch Boards; Large Size for 1 to 2 inch Boards. One Size Cutter will Cut any Size Tongue.

	Each
No. 444—Nickel Plated Cast Iron; Length 9 inches; Weight 6 lbs.	$15.70

One in a Box

ROUTER PLANES

STANLEY

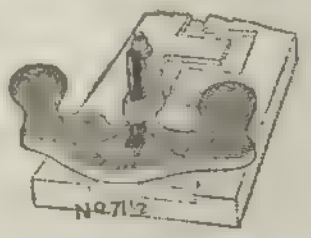
These Planes are for surfacing the bottom of grooves or other depressions parallel with the general surface of the work.

OPEN THROAT

An improved design giving more freedom for Chips and a better view of the work and cutter. Has an attachment for regulating the thickness of the Chip and a second attachment for closing the Throat for use on narrow surfaces. The bottom is designed so that an extra wooden bottom of any size desired can be screwed on, enabling the user to router on larger openings. Cutters have screw adjustment and can be held as shown in illustration or on the back of the cutter Post for **Bull-Nose Work.**

	Each
No. 71—Nickel Plated Cast Iron; Rosewood Knobs; Length 7 1/2 inches; Furnished with one each 1/4 and 1/8 inch Cutters; Weight 2 3/4 lbs.	$5.80

One in a Box



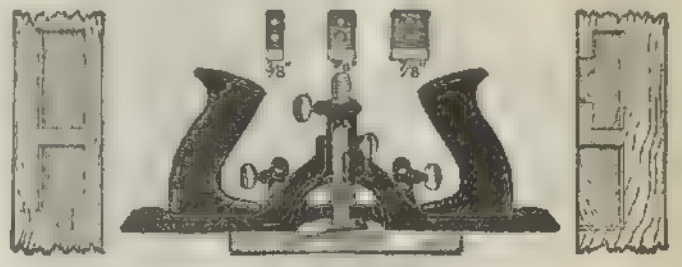
CLOSED THROAT

This is the ordinary form of Router Plane. The bottom is designed so that an extra wooden bottom of any size desired can be screwed on, enabling the user to router on larger openings. Cutters have screw adjustment and can be held as shown in illustration or on the back of the cutter post for **Bull-Nose work.**

	Each
No. 71 1/2—Nickel Plated Cast Iron; Rosewood Knobs; length 7 1/2 inches; Furnished with one each 1/4 and 1/8 inch Cutters; Weight 2 1/4 lbs.	$4.80

One in a Box

DOOR TRIM PLANES



STANLEY

This new Plane will make mortises for butts, face plates, strike plates escutcheons, etc., up to a depth of 3/16 and a width of 3 inches. Its original feature is the method of mounting the cutter, which can be instantly set to work from either end of the Plane or across it. In addition, the cutter is cushioned by a spring which prevents taking a heavier chip than can be easily carried. A fence regulates the position of the cut and insures the sides of the cut being parallel. The depth of the cut is governed by a positive stop.

By removing the fence and locking the cutter post with the thumb screw instead of using the spring a very superior Router Plane is obtained. The bottom is designed so that an extra wooden bottom of any size desired can be screwed on, enabling the user to router on large openings.

	Each
No. 171—Cast Iron, Japanned; Rosewood Handles; Length 11 inches; Furnished with three forged steel Cutters, 3/8, 5/8 and 7/8 inch wide; Weight 3 lbs.	$8.20

One in a Box

VENEER SCRAPER PLANES

STANLEY

It Can be Used as a Toothing Plane, Doing Excellent Work in Scraping off Old Paint or Glue, and in Roughing up the Surface of Wood Preparatory to Veneering Same.

Small Handy Tool, Designed to be Used with One Hand, well Adapted for Violin Makers and all Mechanics Requiring a Light Adjustable scraper.

Each

No. 212—Cast Iron, Japanned; Rosewood Knobs; Length 5½ inches; 1⅜ inch Blade; Weight 1⅛ lbs. $4 40

One in a Box

Double Handle; Rosewood Face

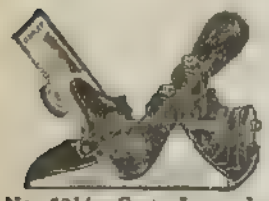
The Handles are of Rosewood with a Double Grip, and, Being Placed Across the Center of the Tool, Give it a Good Balance. The Blades are Adjustable Endwise and for Angle, and can be Firmly Locked in Position Desired.

Extra Rosewood Bottom, or Face. Especally Adapted for Use on very Fine Work, as it Renders Less Liable the Possibility of Marring or Scratching the Surface being Worked Upon. Detachable when Worn, can be Readily Removed and a New One Substituted.

Each

No. 12½—Cast Iron, Japanned; Rosewood Handles and Face; Length 6¼ inches; 2⅜ inch Blade; Weight 4 lbs. $9.40

One in a Box



Double Handle; Iron Face

Rosewood Handles of Double Grip, Being Placed Across the Center of the Tool, Give it a Good Balance. Adjustable Blades Endwise and for Angle, and can be Firmly Locked in Position Desired.

Each

No. 12¼—Cast Iron Japanned; Rosewood Handles; Length 6¼ inches; 2 inch Blade; Weight 2½ lbs. $6 00

No. 12—Cast Iron, Japanned; Rosewood Handles; Length 6¼ inches; 2⅜ inch Blade; Weight 3¼ lbs. 6 80

One in a Box

Single Handle and Knob

Blades Adjustable Endwise for Angle. Can be Firmly Locked in Position Desired.

Each

No. 112—Cast Iron, Japanned; Rosewood Handle and Knob; Length 9 inches; 2⅜ inch Blade; Weight 4 lbs. $8.00

One in a Box

Each

No. EPB—Extra Scraper Blades; [illegible] No. 112 Scrapers, also No. 0 12 and 12½ Stanley Veneer Scrapers $0 70

No. ETB—Extra Toothed Blades, 2⅜ inch, 12 Teeth to an inch (Stanley Number of Teeth) Weight 3 ozs. 1.30

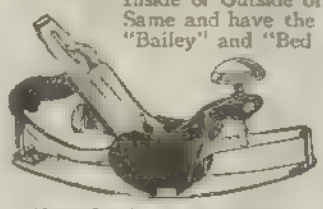
Loose

USE THE SHAPLEIGH HARDWARE MAIL ORDER DEPARTMENT FREELY AND THERE WILL BE NO NECESSITY OF BEING "JUST OUT". YOUR ORDERS WILL BE PROMPTLY FILLED AND YOU WILL RECEIVE THE BENEFIT OF THE VERY LOWEST MARKET QUOTATIONS.

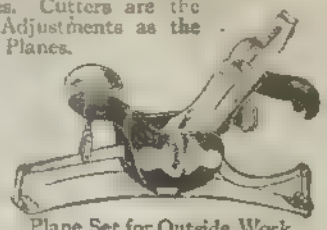
CIRCULAR PLANES

STANLEY

Flexible Steel Faces which can be Accurately Adjusted for Planing the Inside or Outside of circles. Cutters are the Same and have the Same Adjustments as the "Bailey" and "Bed Rock" Planes.



Plane Set for Inside Work



Plane Set for Outside Work

ADJUSTABLE

Face Fastened at its center to the Plane Body, and Adjusted at the Ends by Means of a Screw and Levers. Graduated Scale for Setting the Face.

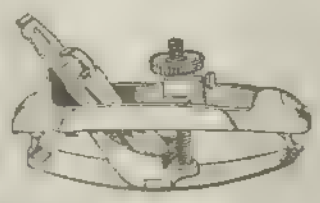
Each

No. 113 Japanned; Length 10 inches, 1¾ inch Cutter, Weight 3½ lbs. $10.50

One in a Box

VICTOR

ADJUSTABLE



Face Fastened at Each End to the Plane Body, and Adjusted by a Screw at the Center. Construction Gives Great Strength and Accuracy. The Lower Number of Working Parts having Less Lost Motion, give Greater Solidity which Makes the Plane Work More Smoothly Design of the Frame Provides Convenient and Firm Handles for Both Hands.

Each

No. 10—Nickel Plated; Length 10 inches; 1¾ inch Cutter; Weight 4 lbs. $13.00

One in a Box

JOINTER OR PLANE GAUGES

★ DIAMOND EDGE

Can be Adjusted to any Jack or Jointer Plane, Wood or Iron. Adjustable for Squaring or any Desired Bevel; Arms are Slotted to Provide Adjustment to the Various Heights of Planes; Quickly Secured or Released by Turning Set Screw in Slot and by a Partial Turn of Cam Lever.

For Wood Planes Substitute Round Head Wood Screws for Cam Levers.

Per Dozen

No. DP145 9 inches Long, Japanned Iron Clamp Bar and Cam Lever Clamps; Plain Nickel Plated Gauge Plate; Machined Planer Surface; Polished Nickel Plated Trimmings; Weight each 1⅞ lbs.; Weight per Dozen 22½ lbs. . . . $27.70

MILLERS FALLS

These Jointer Gauges are Designed for Use to Correctly Joint, Square, Bevel, Mitre, Rabbet or Shape Planes or Edges for Working to Plane Bevels of any Angle Between 30 and 90 Degrees, or to Square the Edges of a Board with Extreme Accuracy; Can be Attached to Either Side of the Plane Making it Equally Adaptable for Right or Left Hand Work; Cast Iron Black Enameled Finish Except the Smaller Parts which are Nickeled and Polished; Has Knob Handle for Forward Grip.

Per Dozen

No. 88P—Length of Gauge 9 inches; Weight per Dozen 26 lbs. $63.90

One in a Box

POCKET LEVELS

No. 135 Starrett

Nickel plated hexagonal, convex ends

No.	Length	Packed	Weight	Each
135	2½ in.	1	1 oz.	$0.50
135	3½ in.	1	1½ ozs.	.60

No. 31 Stanley

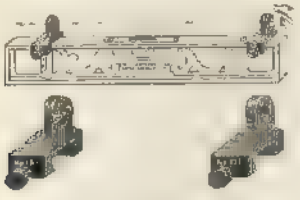
Nickel plated hexagonal, proved glasses

No.	Length	Packed	Weight	Each
31	2 in.	½ doz.	¾ lb.	$0.40
31	2½ in.	½ doz.	¾ lb.	.45
31	3 in.	½ doz.	½ lb.	.55
31	3½ in.	½ doz.	⅝ lb.	.65

No. 41 Stanley

For use with straight edge or carpenter's square. Japanned iron body. Brass top plate.
Packed, 1 doz., weight 1⅝ lbs. .....per doz., $2.00

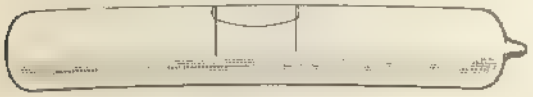
LEVEL SIGHTS



No. 131 Starrett

Japanned, for iron levels
Packed, 1 pair, weight 4 ozs . .....per pair, $0.90

LEVEL GLASSES



Stanley's Proved

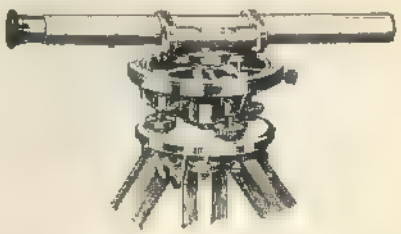
Length	Packed	Weight	Per Doz
1 in.	1 doz.	¼ lb	$0.80
1¼ in.	1 doz.	¾ lb.	.80
1½ in.	1 doz.	¾ lb.	.80
2 in.	1 doz.	⅜ lb.	.90
2½ in.	1 doz.	½ lb.	1.00
3 in.	1 doz.	⅝ lb.	1.10
3½ in.	1 doz.	⅝ lb.	1.15

TRANSITS

No. 99F Starrett

Iron and brass head, with tripod Head is adjusted by leveling screws. Graduated arc on plate, reading 90 degrees each side of 0. Level, sight tube and graduated arc, 45 degrees each side of 0, for taking vertical angles. 12 inch adjustable telescope, with cross lines. 8 inches high with short legs, from 2 ft 8 in. to 4 ft. 8 in. high with long legs. Price includes long legs which are not packed with head.

Packed 1. Total weight, 20 lbs. ..... each, $40.00



No. 5691 K and E Favorite Farm Level

Telescope 10 in., with good lenses, showing objects erect magnifying power about 8 diameters; with cross hairs; spirit level to telescope, graduated on the glass; horizontal circle graduated to single degrees and numbered from 0 to 360 degrees, revolving arm with index; instrument complete in wooden box with plumb bob; wooden leveling rod 5 ft. extending to 9½ ft., divided into feet, inches and quarter inches, with target, split leg tripod and directions.

Packed, 1. Total weight, 11 lbs. ....each, $36.50

PLUMBS AND LEVELS

MASON'S

Nos. 3A, 7A Sand's Lightwood

Plumbs either end up, levels either edge up. Tubes protected with lenses on either side. No. 7A is brass bound.

No.	Glasses	Length	Stock	Packed	Weight	Each
3A	6	48 in.	2½x1¼	6	14 lbs.	**$4.25**
7A	6	48 in.	2½x1¼	6	21 lbs.	**6.50**

No. 35 Stanley, Lightwood

Adjustable, Proved Glasses

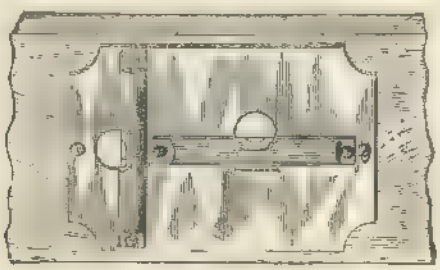
No.	Length	Stock	Packed	Weight	Each
35	42 in.	3⅝x1⅜	6	33½ lbs.	**$2.70**

No. 45½ Stanley, Lightwood

Adjustable, Proved Glasses

No	Length	Stock	Packed	Weight	Each
45½	48 in.	3¾x1⅞	2	8¾ lbs.	**$4.20**

ADJUSTABLE



Roe's

Aluminum plate 3¼x5⅜ inches, to which are attached a plumb and level. Same is screwed to any board or straight edge

Packed, 1, weight, 6 ozs. .....per doz., **$24.00**

LINE LEVELS

Steven's

Accurate proved level glass. Polished 3 inch aluminum tube, hooks for fastening to line.

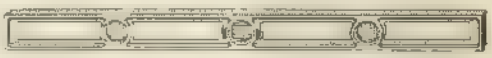
Packed, 1 doz., weight ¾ lb. ....per doz., **$6.80**

ALUMINUM

No. 18 Sand's

Two plumbs, two levels. Either end or edge can be used for plumb or level. Spirit tubes protected with lenses on both sides. 4 glasses.

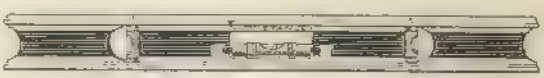
No.	Length	Stock	Packed	Weight	Each
18	18 in.	2¼x1⅜	1	1⅝ lbs.	**$4.75**



Sand's

Four plumbs, two levels. Six protected spirit tubes. Either end or edge can be used for plumb or level. A plumb at each end for high and low reading

No.	Length	Stock	Packed	Weight	Each
24	24 in.	2¼x1⅜	1	2⅛ lbs.	**$6.00**
26	26 in.	2¼x1⅜	1	2⅜ lbs.	**6.25**
30	30 in.	2¼x1⅜	1	2½ lbs.	**6.75**

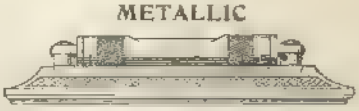


No. 237 Stanley

Japanned, nickel trim. Adjustable, proved glasses with Eclipse covers.

No.	Length	Packed	Weight	Each
237	24 in.	1	2 lbs.	**$6.00**

METALLIC



No. 34G

Machinist's Level, nickel plated. Extra long and large diameter, ground glasses, with Eclipse covers. Grooved bottom.

No.	Length	Packed	Weight	Each
34G	6 in.	1	⅝ lb.	**$1.65**

Japanned, nickel trim, adjustable, proved glasses. Grooved bottom.

No.	Length	Packed	Weight	Each
36G	24 in.	1	4¼ lbs.	**$4.00**

Nickel plated. Adjustable, ground glasses with Eclipse covers. Grooved bottom

No	Length	Packed	Weight	Each
37G	12 in.	1	1⅞ lbs.	**$3.75**
37G	18 in.	1	3 lbs.	**4.75**
37G	24 in.	1	4¼ lbs.	**5.50**

SPRING BALANCES

STRAIGHT

Japanned steel case. Polished brass face. Stamped figures. Tinned steel hook and ring.

LIGHT

No.	Capacity	Graduation	Size face	Wt. doz.	Per doz.
3	.....25 lbs...	. ½ lb .	4⅝x1½ in	. .2⅝ lbs.....	$4.00
51	.....50 lbs.....	1 lb...	.6 x1⅝ in....	4⅛ lbs.....	7.90

Not legal for use in trade.

One-half dozen in a box.

HEAVY

No.	Capacity	Graduation	Size face	Wt. doz.	Per doz.
81	.. ..25 lbs	.. ½ lb.....	6½x1¾ in.....	5 lbs..	...$10.50
84	.....50 lbs.....	1 lb.....	8¼x2¾ in.	.11 lbs.....	21.00

Not legal for use in trade.

No. 81, one-half dozen; No. 84, one-quarter dozen in a box.

EXTRA HEAVY

No.	Capacity	Graduation	Size face	Wt. doz.	Per doz.
86	80 lbs.	1 lb.	.10¼x2½ in.....	.16 lbs....	$62.50
87	100 lbs.	1 lb	.12⅝x3 in.....	40 lbs....	110.00
88A	.. 150 lbs.....	1 lb..	16½x3½ in.....	.52 lbs.....	156.70

No. 86 not legal for use in trade; No. 87 and 88A pass legal inspection.

No. 86 and 87, one-quarter dozen in a box; No. 88A one in a box.

AUTOMATIC MILK AND CREAM

This spring balance is intended especially for use in connection with the Babcock test for keeping records of the quantity of milk from individual cows, together with the per cent fat, so as to calculate the butter yield. The scale is provided with a loose pointer, which, by means of a thumb screw, may be set anywhere on the dial to offset the weight of the milk pail, so this does not have to be deducted from the reading.

No.	Capacity	Graduation	Wt. doz.	Per doz.
260MD	. . . . 30 lbs..	....1/20 lb	. .36 lbs	.$144.00
270MD	..... 60 lbs..	... .1/10 lb	....39 lbs	. 174.60
280MD	...120 lbs.....	⅛ lb.....	.45 lbs	276 00

One in a box.

ICE

STEEL KING

All steel, japanned case. Long brass dial. Japanned markings, very distinct. Spring cannot be strained beyond its capacity. Scale can be quickly adjusted by removing cap on top and turning screw slightly

Heavy

No.	Capacity	Graduation	Size case	Wt. doz.	Per doz.
150	...150 lbs.. ..	1 lb.....	6½x1½ in....	.54 lbs.....	$120.00

One in a box.

UNIVERSAL

Tubular pattern. Made of steel throughout. Heavily nickel plated front with adjustment device.

No.	Capacity	Graduation	Wt. doz.	Per doz.
2022	.....200 lbs.....	.2 lbs.....	.72 lbs.. .	...$138.00

One in a box.

VISES

BONNEY PATTERN

No. 1—1¼ in. jaws, steel screw with wrought iron head, w't per doz. 15 lbs. .....per dozen $12.00
LOOSE

Steel screw with wrought iron head.

Nos.	1½	02
Width jaw, in.	2¼	2
W't doz., lbs.	18	24
Per dozen	$13.50	18.80

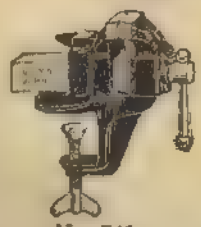
LOOSE

Steel screw with wrought iron head, swivel attachment.

Nos.	03	04
Width jaws, in.	2¼	2¾
W't, doz., lbs.	33	60
Per dozen	$22.50	34.50

LOOSE

VICTOR PATTERN



No. 741

No. 761

ALL CLAMP BOTTOM, PLAIN IRON JAWS

Nos.	741	742	743
Width jaw, in.	1¼	1½	2
W't, doz., lbs.	36	39	42
Per dozen	$24 70	29 00	34 50
Nos.	745		746
Width, jaw, in.	2½		3
W't, doz., lbs.	60		105
Per dozen	$46.20		75.60

ALL CLAMP BOTTOM, STEEL FACED JAWS

Nos.	761	762	763
Width, jaw, in.	1¼	1½	2
W't, doz., lbs.	36	39	42
Per dozen	$31.40	35 70	42 20
Nos.	765		766
Width, jaw, in.	2½		3
W't doz., lbs.	60		105
Per dozen	$57 60		84 50

LOOSE

Swivel base, steel faced jaw.

Nos.	772	773	775	776
Width, jaw, in.	1¼	2	2½	3
W't, doz., lbs.	36	42	66	114
Per dozen	$35 70	42.90	63.30	86.90

LOOSE

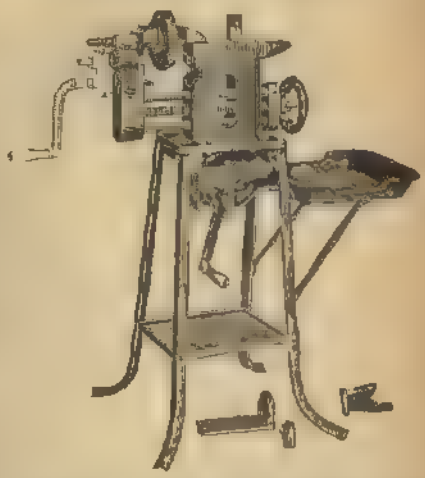
Fitted with loose malleable iron nut and solid steel screw. Face of jaw ground so that the jaws come up square, screw works easy and smooth. Body finished with a brown baked japan, working parts highly polished.

No. A12 Assortment—Consisting of display stand and 12 Victor Vises, w't 65 lbs. ..per assortment $39.65

Consisting of the following—

2 No. 741	1 No. 744	1 No. 761
2 No. 742	1 No. 745	1 No. 763
2 No. 743	1 No. 746	1 No. 772

CHAMPION IMPROVED COMBINATION BLACKSMITH OUTFITS



Outfit, equipped with Forged, Vise, Anvil, Pipe Vise, Drill Press and Emery Grinder, strictly a high grade combination tool built for service.

Gears are all cut. Forge pan 12x14 inches, large enough to take a plowshare. Pan cut away so that a plowshare can be put into it. The Blower-head attached is a real cut-gear, high speed outfit that runs silent, is speeded high enough to produce a white pressure heat so that welding can be done on any work.

Emery wheel is screwed on stud between vise jaws attached to high speed gear on this gear box, two substantial bearings—one on each side of vise jaws—support this wheel, making it a rigid, practical, durable grinder.

Screw accurately cut and two heavy shafts support vise so that jaws meet perfectly without lost motion.

Pipe vise operates without any change whatever. No parts are removed or lost and this machine takes pipe up to two inches.

Legs are angle steel, well riveted to top plate and tool tray, two steel rods support forge pan.

Height over all	40 in.
Height to top of Forge Hearth	26 in.
Width of Vise Jaws	4 in.
Extreme opening of Vise Jaws	4½ in.
Capacity of Pipe Vise	2 in.
Capacity of Drill Press	½ in.
Greatest distance from Spindle to Table	11 in.
Spindle bored to take	½ in.
Face of Anvil	3x5½ in.
Size of Hardie	⅝ in.
Size of Forge Hearth	12x14 in.
Depth of Forge Hearth	2½ in.
Speeds obtained by gearing	1 to 1, 1 to 4 and 1 to 14
Size of Emery Wheel	6x1 in.
Floor Space	19x32 in.
Weight Crated	185 lbs.
No. W19—Each	$46.00

VISES

HIBBARD MACHINIST

HIBBARD SWIVEL BASE, dead black finish, removable polished steel face jaws, milled and fitted.

The swiveling device is patented and is operative at all points, a REVOLVOC feature. It can be converted to the use of a left hand workman. These vises are exceptionally first-class in every respect.

Nos.	A172½	A173	A173½	A174	A174½	A175
Jaws, in.	2½	3	3½	4	4½	5
Opens, in.	3½	4	5	6	6½	7½
W't, lbs.	18	27	42	58	76	104
Each	$16.00	17.30	20.00	22.60	26.60	40.00

PACKED LOOSE

HIBBARD STATIONARY BASE, dead black finish, removable polished steel face jaws, milled and fitted.

Nos.	A162½	A163	A163½	A164	A164½	A165
Jaws, in.	2½	3	3½	4	4½	5
Opens, in.	3½	4	5	6	6½	7½
W't lbs.	15	23	35	43	61	82
Each	$12 00	13 30	15.00	17.00	20.70	26.60

PACKED LOOSE

OVAL SLIDE

PARKER'S polished steel jaws, covered wrought iron screw.

Nos.	A30	A31	A32
Jaws, in.	2½	3	3½
Opens, in.	3½	4	4
W't, lbs.	8½	13	20
Each	$5 20	6 00	7.50

LOOSE

Grey iron castings, cold rolled steel screw, crucible steel jaws, steel nut, black satin finish, polished face and jaws.

Nos.	A230	A231	A232
Jaws, in.	2½	3	3½
Opens, in.	3½	4	4½
W't, lbs.	8	14	22
Each	$4.00	5.00	6.00

LOOSE

OVAL SLIDE

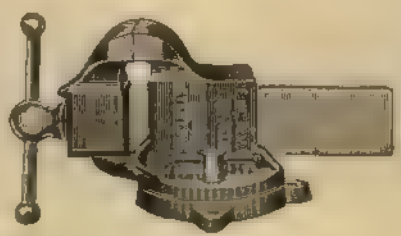
EMPIRE, solid cast steel, hardened jaws nicely finished.

Nos.	A025	A030	A035	A040
Jaws, in.	2½	3	3½	4
Opens, in.	3½	4½	4½	5½
W't lbs.	8	10	14	20
Each	$7 50	9 00	12.00	15.00

PACKED LOOSE

STERLING MACHINIST VISES

Made from the old reliable grey iron castings, insuring strength and rigidity. The slide is square insuring perfect alignment and a minumum of lost motion. The Jaws are reinforced with welded steel facings corrugated, insuring positive grip and long wearing qualities.

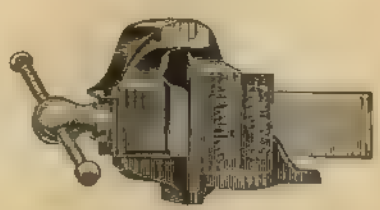


Swivel Base, cast steel stationary jaws, faced and tempered.

Nos.	A193	A193½	A194	A194½	A195
Jaws, in.	3	3½	4	4½	5
Opens, in.	3½	4	5½	6	7
W't each, lbs.	20	28	36	52	64
Each	$13.00	15.00	17.00	20.00	30.00

LOOSE

Stationary Base, cast steel stationary jaws, faced and tempered.



Nos.	A183	A183½	A184	A184½	A185
Jaws, in.	3	3½	4	4½	5
Opens, in.	3½	4	5½	6	7
W't each, lbs.	17	22	28	42	52
Each	$10.00	11.30	12.70	15.50	20.00

LOOSE

STERNO COOKING UTENSILS

CANNED HEAT

Non-explosive, odorless.
A paste like cream which ignites easily, burns steadily and gives intense heat until consumed.

No. 4006—W't per doz. 4 lbs., per dozen $1.80
ONE DOZEN IN A DISPLAY CASE

STOVES

Aluminum.
Polished aluminum boiler with folding handles, detachable knob, set complete with nickel plated steel collapsible stand and one can of Sterno heat.

No. 5001—Capacity 1 pt., w't each 1 lb. .....per dozen $16.00
TWO DOZEN IN A CARTON

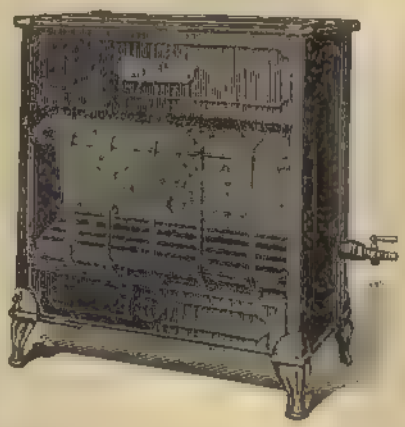
GLOGAU'S ALCOHOL STOVES

For travelers, sick room, camp, chafing dish; manufactures its own gas by first vaporizing the alcohol, produces more heat than any other style of alcohol stove and consumes only one-eighth the usual amount of fuel; absolutely safe—explosions cannot occur; wick is invisible and never requires renewal. It is smokeless, odorless and forms no soot; burns as steadily as a regular gas stove; can support a vessel weighing 100 lbs., capacity of reservoir 7 oz.

No. 75—Nickel plated brass body and bottom, nickel plated steel frame, w't per doz. 7 lbs., per dozen $16.00

"CORCO" GAS HEATERS

Asbestos Back



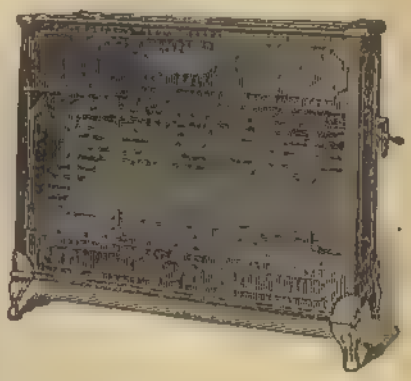
Entire body made of 26 gauge Polished blued steel. Top corners put together with roll seam and finished with nickel-plated pressed steel corners. Sides, front and top are paneled. Back reflector is on an angle with top towards front of heater and is covered with flake asbestos attached with silicate of soda. Straight iron burner pipe at rear bottom, with special valve connection for attaching gas tubing or ⅜ in. pipe. Side reflectors and fender in front of burner pipe made of pure 10 oz. copper. Removable electric welded wire aluminized dress guards. Lighter hole on same side as valve. Adjustable air mixer on end of burner pipe. Rolled edge on bottom of body forms seat for legs which are bolted on at each corner. Equipped for artificial gas. Extra orifice provided for natural gas use.

OUTSIDE DIMENSIONS

Nos.	T215	T218
Width, in.	15½	18½
Depth, in.	9½	9½
Height, in.	21	21
Shipping w't each, lbs	12	14
Each	$6 30	8.10

ONE IN CARDBOARD CARTON WITH LEGS DETACHED
FOR KINDRED GOODS SEE PAGE 1186

Copper Back Reflector



Entire body of the smooth and neat construction as that of the Asbestos Back Heater. All sizes have three inch pipe collar connectoin with cap in back near top. Front and side reflectors made of 10 oz. Copper, front reflector being corrugated. Pipe burner with imposed lava tips, angle valve connection for attaching gas tubing or ⅜ in. pipe.
For natural or artificial gas.

OUTSIDE DIMENSIONS

Nos.	T12	T15	T18
Lava tips in burner pipe	14	18	22
Width, in.	12½	15½	18½
Depth, in.	9½	9½	9½
Height, in.	21	21	21
Shipping w't each, lbs.	11	12	13
Each	$5.40	6.80	8.10

Nos.	T21	T24
Lava tips in burner pipe	26	30
Width, in.	21½	24½
Depth, in.	9½	9½
Height, in.	21	21
Shipping w't each, lbs.	16	17
Each	$9.90	11.70

ONE IN CARDBOARD CARTON WITH LEGS DETACHED
FOR KINDRED GOODS SEE PAGE 1186

SINGLE BARREL TRAP GUNS

L. C. SMITH

SPECIALTY TRAP GRADE

Barrel—Nitro blued steel or Damascus steel, compensating ventilated top rib, automatic ejector, any bore desired, chambered for 2¾, 2⅞ or 3 in. shells.

Stock—Fine quality walnut, full or half pistol or straight grip to order, checkered grip and fore-end.
Frame—Beautifully engraved, hammerless.

SPECIALTY GRADE

The compensating ventilated top rib automatically adjusts itself for the 70 degrees difference between the barrel and rib during constant shooting and so cannot buckle the barrel. The sides of the rib are made parallel to insure quick and accurate sighting.

No. F2ST—12 gauge, 30, 32 or 34 in. barrel, w't 7½ to 8¼ lbs.★ ..... each **$235.90**

EAGLE GRADE

The decoration, while not elaborate, is of a nature to give the style that classes it far above the usual. On the left lock plate appears a ring-necked pheasant in bold relief against a frosted back ground; and on the right a duck in full flight. The top and bottom of the frame are ornamented with scroll work of artistic design.

No. F3ET—12 gauge, 30, 32 or 34 in. barrel, w't 7½ to 8¼ lbs.★ ..... each **$321.20**

CROWN GRADE

The detail of the gold inlay and engraving is delicate and pleasing to the most critical eye.

No. F4CT—12 gauge, 30, 32 or 34 in. barrel, w't 7½ to 8¼ lbs.★ ..... each **$443.30**

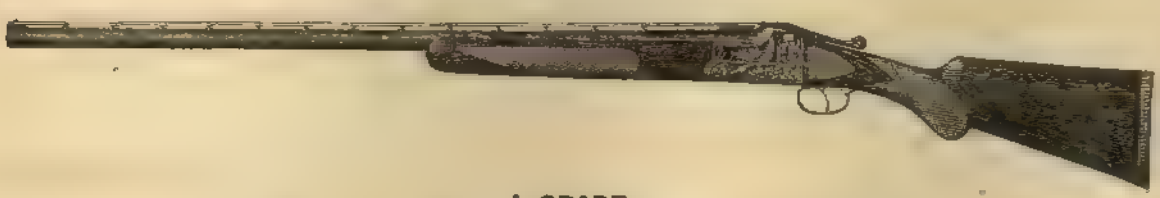
MONOGRAM GRADE

The engraving, embodying scroll and relief work, is of the utmost distinctiveness both in design and execution.

The barrels are chosen of Monogram steel with a view to strength, service, proper balance and quick handling. The stock is from imported walnut, carefully finished, and is in keeping with the entire gun.

No. F5MT—12 gauge, 30, 32 or 34 in. barrel, w't 7½ to 8¼ lbs.★ ..... each **$634.70**

FOX



J GRADE

Barrel—Highest grade Chromox Fluid steel; sliding ventilated top rib; automatic ejector.
Frame—Beautifully engraved; heavy tapered steel cross bolt; one-piece nickel steel hammer; Coil springs throughout.
Stock—Fine quality walnut, full or half pistol or straight grip to order, checkered grip and fore-end.

No. FJTE—12 gauge, 30 or 32 in. barrel, w't 7½ to 8¼ lbs.★ ..... each **$264.50**

A wonderfully, close, even shooting gun with the highest quality of workmanship and finish throughout.

★ **Items Marked Thus ★ Are Shipped From Factory Only.**

STEVENS DOUBLE BARREL SHOT GUNS

HAMMERLESS

MODEL 330

Low in price—High in quality—Light in weight.
Safe in shooting—Fine in appearance.

SPECIFICATIONS

Barrel—Blued, high pressure compressed steel. Tested with Nitro Powder. Matted rib. Right barrel modified, left barrel full choke.

Action—Hammerless. Top lever and bolt in one piece. Coil Springs.

Frame—Finely polished and case hardened. Barrel and lug forged in one solid piece

Stock—Selected black walnut, finely checkered, full pistol grip capped, rubber butt plate. Length 14 inches. Drop 2¾ to 3 inch. Walnut fore-end checkered.

No. 330—12 gauge, 30 or 32 in. barrel, w't 7¼ to 7¾ lbs. ..... each **$42 00**

No. 16330—16 gauge, 28 or 30 in. barrel, w't 7¼ to 7¾ lbs ..... each **$42.00**

No. 20330—20 gauge, 28 in. barrel, w't 6¼ to 6¾ lbs. ..... each **$42.00**

HAMMERLESS

Barrels—High Pressure Compressed steel, bored for nitro powders, matted extension rib, left barrel full choke, right barrel modified choke bored.

Stock—Varnished American walnut, checkered half pistol grip and fore-end, length 14 in., drop 3 in.

Frame—Case hardened ornamented with scrolls, top lever and bolt one piece, locking through extension rib, spiral mainspring, automatic safety, all parts drop forged.

No. 335—12 gauge, 30 or 32 in. barrel, w't 7¾ to 8¼ lbs., each **$48.60**

No. 16335—16 gauge, 28 or 30 in. barrel, w't 7¼ to 8 lbs., each **$48.60**

No. 20335—20 gauge, 28 in. barrel, w't 6 to 6¼ lbs., each **$64.00**

HAMMER

Barrels—High pressure compressed steel, bored for nitro powder, matted extension rib, left barrel full choke, right barrel modified choke bored.

Stock—Varnished American walnut, checkered half pistol grip and fore-end, length 14 in., drop 3 in.

Frame—Case hardened ornamented with scrolls, top lever and bolt in one piece locking through extension rib, low circular hammers, rebounding locks, coil mainsprings, all parts drop forged.

No. 235—12 gauge, 30 or 32 in. barrel, w't 7¾ to 8¼ lbs., each **$41.50**

No. 16235—16 gauge, 28 or 30 in. barrel, w't 7¼ to 8 lbs., each **$41.50**

STEVENS' SINGLE SHOT AND REPEATING RIFLES

"LITTLE SCOUT"

No. 14½—.22 Calibre, 20 in. round barrel. Regulation varnished walnut stock and fore-end, metal butt plate. Case hardened frame, positive horizontal extractor. Open rear, and German silver knife edge front sights. Adapted for .22 C. B. Caps, short, long and long rifle rim fire cartridges, w't 2¾ lbs. .....each $8.10

"CRACK SHOT" MODEL 26

Take-down, 20 in., round barrel, plain oval walnut stock, carbine butt plate, blued frame, lever action, knife blade front and open rear sights, specially designed for smokeless powders, w't 2¾ lbs.

No. 2622—.22 Caliber, adapted for .22 C. B. Caps, short, long, long rifle each $10.30

"FAVORITE" MODEL 17 ROUND BARREL

Take-down, 24 in. detachable barrel, walnut stock and fore-end, hard rubber butt plate, blued frame, solid breech block, lever action, Rocky Mountain front and sporting rear sights, w't 4½ lbs.

No. 3522Q—.22 Caliber, adapted for .22 C. B. Caps, short, long, long rifle, **Automatic Ejector** .....each $14.80

No. 3522W—.22 Caliber, adapted for .22 caliber W. R. F. cartridges, **Plain Extractor** ..... each $14.80

No. 3532Q—.32 Caliber, adapted for .32 short and long rim fire cartridges. **Plain Extractor** ....each $14.80

"FAVORITE" MODEL 27 FULL OCTAGON BARREL

Take-down, 24 in. detachable barrel, walnut stock and fore-end, hard rubber butt plate, blued frame solid breech block, lever action, Rocky Mountain front, and sporting rear sights, w't 4½ lbs.

No. 4022—.22 Caliber, chambered for C. B. Caps, .22 short, long, long rifle, rim rifle cartridges, **Automatic Ejector** .....each $15.80

No. 4032—.32 Caliber, adapted for .32 short and long rim fire cartridges, **plain extractor** .....each $15.80

"MARKSMAN" MODEL 28

Take-down, 20 in. round barrel, full oval walnut stock and fore-end, rubber butt plate, blued frame, lever action, positive ejector, bead front and open rear sights, w't 4 lbs.

No. 2822—.22 Caliber, adapted for .22 C. B. Caps short, long, long rifle each $13.00

No. 2825—.25 Caliber, adapted for .25 Stevens short and long rim fire cartridges .....each $13.00

"IDEAL" MODEL 44

For sporting and gallery, take-down round barrel varnished walnut stock and fore-end, length of stock 13 in., drop 3 in., steel butt plate, drop forged case hardened frame, lever action, Rocky Mountain front and sporting rear sights, tang is tapped for peep sight.

No. 9104—.22 Long rifle caliber rim fire, **Automatic Ejector, 26 in. barrel, w't 7 lbs.** .....each $31.50

ONE IN A BOX

"ARMORY"—MODEL 414

For sporting and gallery, take-down, round barrel, oiled walnut stock, oiled walnut fore-end extra long with large hand-hold, length of stock 13 in., drop 3 in., shotgun butt with rubber butt plate. Fitted with strap loops. Drop forged case hardened frame, lever action, Rocky Mountain front and receiver rear sights, tang is tapped for peep sight.

No. 9414—.22 long rifle caliber rim fire, **automatic ejector, 26 in. barrel,** w't 8 lbs. .....each $35.00
Strap for prone shooting extra .....each 3.00

REPEATING "VISIBLE LOADING" MODEL 70LR

No. 73—.22 Caliber, solid frame, 22 in. round barrel varnished stock and action slide handle. Length of stock 13 in., drop 2¾ in. rubber butt plate. Blued frame, length over all 35 in., Rocky Mountain front and sporting rear sights adapted for .22 short, long and long rifle cartridges. Magazine holds 11 long rifle, 12 long or 15 short rim fire cartridges, w't 4½ lbs. .....each $22.50

PAGE-LEWIS SINGLE SHOT RIFLES

MODEL A—"TARGET"

TAKE-DOWN

No. 722—.22 caliber, adapted to 22 short, long and long rifle rim fire cartridges, 20 in. round blued barrel, bead front and open rear sight, plain extractor, blued steel frame, lever action, steel lever, tool steel hammer and trigger, oval walnut stock, varnished, length 12¾ in., with walnut varnished fore end 5⅛ in. long, length over all 34 in., with excellent cleaning rod, w't 3¼ lbs., each $9.50

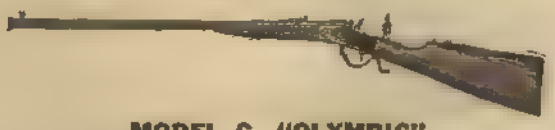
ONE IN A BOX

MODEL B—"SHARP SHOOTER"

TAKE-DOWN

No. 822—.22 caliber, adapted to 22 short, long and long rifle rim fire cartridges, 24 in. round blued barrel, bead front and soprting rear sight, plain extractor, blued steel frame, lever action, steel lever, tool steel hammer and trigger, oval walnut stock, varnished, length 13½ in., steel butt plate, walnut fore end, varnished, 6⅜ in. long, length over all 36 in., with excellent cleaning rod, w't 3¾ lbs. ..... each $12.20

ONE IN A BOX



MODEL C—"OLYMPIC"

TAKE-DOWN

No. 922—.22 caliber, adapted to 22 short, long and long rifle rim fire cartridges, 24 in. round blued barrel, combination front, sporting rear and peep tang sight, plain extractor, blued steel frame, lever action, steel lever, tool steel hammer and trigger, oval walnut stock, varnished, length 13½ in., steel butt plate, walnut fore end, varnished, 7⅜ in. long, length over all 39 in., with excellent cleaning rod, w't 4¼ lbs. ..... each $15.00

ONE IN A BOX

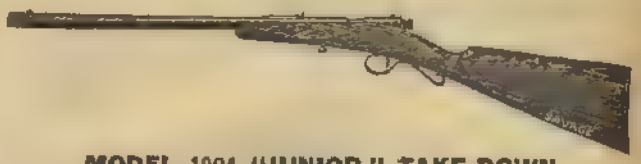
MODEL D—"BOLT ACTION"

TAKE-DOWN

No. 522—.22 caliber, adapted to 22 short, long and long rifle rim fire cartridges, round tapered barrel, 20 in. blued, bright finished breech bolt and lever, spiral main spring, blued steel trigger guard, dark oil finished, oval stock with round straight grip. Open front and rear sight. Exclusive safety feature—when rifle has been opened and closed the hammer is left in half cock position. Length over all, 37½ in. W't 3 lbs. . . each $7.50

ONE IN A BOX

SAVAGE SINGLE SHOT RIFLES

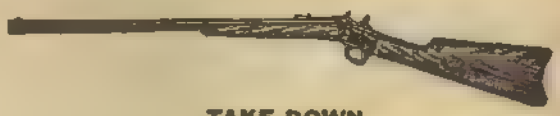


MODEL 1904 "JUNIOR," TAKE-DOWN

Bolt action, military type, round barrel, length 18 in., full form genuine American walnut stock, shot gun butt with steel butt plate, fitted with bead front and adjustable rear sights, w't 3 lbs.

No. 818—22 caliber, adapted to 22 short, long, and long rifle cartridges ..... each $13.40

REMINGTON SINGLE SHOT RIFLES



TAKE-DOWN

Remington, steel tapered barrel, accurately bored and rifled, length 20 in., case hardened frame, walnut stock and fore-end, finely finished butt plate, new design open front, rear and tang peep sights, barrel detached by loosening thumb screw, w't about 3½ lbs.

No. 622G—22 caliber, adapted to 22 short, long, long-rifle and breech caps ..... each $9.75

No. 632—32 caliber, adapted to 32 short or long rim fire cartridges ..... each $9.75

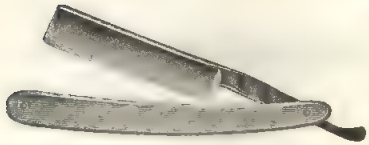
TAKE-DOWN

Remington, steel octagon barrel, tapered, carefully bored and rifled, length 22½ in., walnut stock and fore-end, forged case hardened frame, parts of mechanism forged steel, steel butt plate, automatic shell ejector, new design sporting rear sight with elevator, w't about 4½ lbs.

No. 422—22 caliber, adapted to 22 short, long and long rifle cartridges ..... each $16.25

No. 432G—32 caliber, adapted to 32 short and long rim rifle cartridges ..... each $16.25

RAZORS



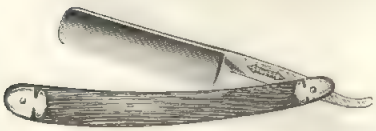
Full concave, full crocus polished. **White celluloid handle.**

No.	Point	Size blade	Wt. per doz.	Per doz.
25S	Square	⅝ in.	2 lbs.	$36.00
25R	Round	⅝ in.	2 lbs.	36.00

Extra concave with thin flat bevel. **Transparent, celluloid amber handle; gold tang and back.**

No.	Point	Size blade	Wt. per doz.	Per doz.
26S	Square	⅝ in.	2 lbs.	$36 00
26R	Round	⅝ in.	2 lbs.	36.00

One-half dozen in a box.



Full concave with stiff bevel. **Celluloid handle, grain oak finish, with metal tips.**

No.	Point	Size blade	Wt. per doz.	Per doz.
15S	Square	⅝ in.	2 lbs.	$36.00
15R	Round	⅝ in.	2 lbs.	36 00

One-half dozen in a box.

Full concave, full crocus polished. **Black oval rubber handle.**

No.	Point	Size blade	Wt. per doz.	Per doz.
1915S ⅜	Square	⅜ in.	2 lbs.	$36 00
1915R ⅜	Round	⅜ in.	2 lbs.	36.00
1915S ⅝	Square	⅝ in.	2 lbs.	36.00
1915R ⅝	Round	⅝ in.	2 lbs.	36 00

One-half dozen in a box.

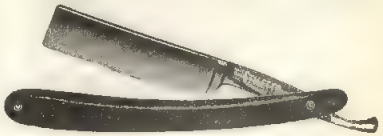
Concave, full polish. **Black, flat, celluloid handle.**

No.	Point	Size blade	Wt. per doz.	Per doz.
19S	Square	⅝ in.	2 lbs.	$30.00
19R	Round	⅝ in.	2 lbs.	30 00

Concave, full polish. **Black celluloid flat handle.**

No.	Point	Size blade	Wt. per doz.	Per doz.
18S	Square	⅝ in.	2 lbs.	$27.00
18R	Round	⅝ in.	2 lbs.	27 00

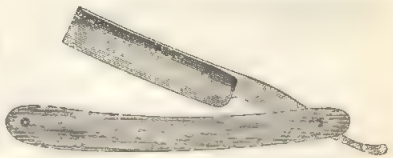
One-half dozen in a box.



Full concave, full crocus polished. **Black oval rubber handle.**

No.	Point	Size blade	Wt. per doz.	Per doz.
5S ⅜	Square	⅜ in.	2 lbs.	$27 60
5S ⅝	Square	⅝ in.	2 lbs.	27 60
5S ½	Square	½ in.	2 lbs.	27 60
5R ½	Round	½ in.	2 lbs.	27 60
5R ⅝	Round	⅝ in.	2 lbs.	27 60

One-half dozen in a box.

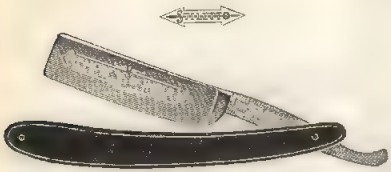


Full concave, full crocus polished. **Transparent flat celluloid amber handle.**

No.	Point	Size blade	Wt. per doz.	Per doz.
19S	Square	⅝ in.	2 lbs.	$27.00
19R	Round	⅝ in.	2 lbs.	27.00

One-half dozen in a box.

RAZORS



Three-quarter hollow ground, crocus polished **Black flat rubber handle.**

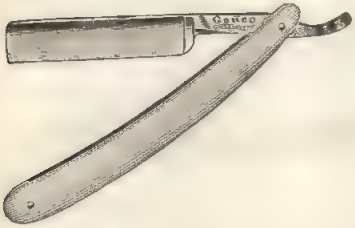
No.	Point	Size Blade	Wt. per doz.	Per doz.
22S	Square	⅞ in.	2 lbs	$20 40
22R	Round	⅞ in.	2 lbs	20 40

Three-quarter concave, full polished. **Black oval rubber handle.**

No.	Point	Size blade	Wt per doz.	Per doz.
4S	Square	⅝ in	2 lbs	$12 00
4R	Round	⅝ in	2 lbs	12 00

One-half dozen in a box.

GENCO
ARMY AND NAVY

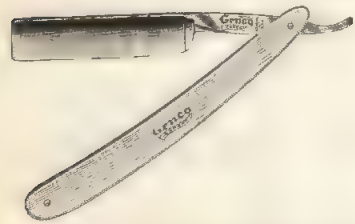


Ground extra full concave. Extremely fine polish, highly colored. oval handle, round ends.

No.	Point	Size blade	Wt. per doz.	Per doz.
1315R	Round	⅝ in	2 lbs	$48.00
1314H	Honed	⅝ in	2 lbs	48.00

One half dozen in a box

EXPERT

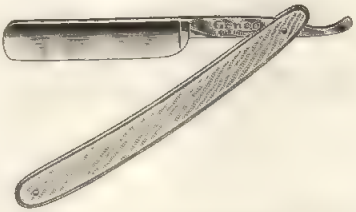


Ground extra full concave. Extremely fine polish, highly colored. **Imitation ivory,** flat handle, with beveled edges and round ends.

No	Point	Size blade	Wt. per doz	Per doz.
1316H	Honed	⅝ in	2 lbs	$48 00
1317R	Round	⅝ in.	2 lbs	48 00

One half dozen in a box.

GENCO
FLUID STEEL



Full concave with wide bevel, specially stiffened, anti-rust, gun metal back and tang. **Flat imitation ivory beveled edge handle.**

No.	Point	Blade	Wt. per doz.	Per doz.
1320S	Bullet or Square	⅝ in	2 lbs	$48.00
1321R	Round	⅝ in	2 lbs	48.00

One-half dozen in a box.

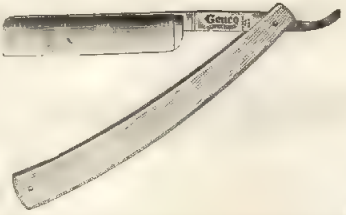
VANADIUM

Full concave with high wide bevel. Extra fine polish. **Imitation** tortoise shell handle.

No.	Point	Blade	Wt. per doz.	Per doz.
1332S	Bullet or Square	⅝ in	2 lbs	$40.00
1332R	Round	⅝ in	2 lbs	40.00

One-half dozen in a box.

MASTER BARBER



Forged with oval tang. Ground full concave. Extra fine polish. **Imitation ivory, flat surface handle with beveled edges and square ends.**

No	Point	Size blade	Wt. per doz	Per doz
1324B	Barber	⅝ in.	2 lbs	$40.00

One-half dozen in a box.

BOYS AXES

STERLING

Not Warranted
Special crucible forged steel bits
California-Ohio Pattern.
Labeled. Red Body. Hollow Bined Bevels. Polished Bit.
Handled with Rodgers 28-inch handles.

Handled

No.	Wt. head	Per doz.
94	2¼ lbs.	$31 00

CORONA

Not Warranted
Made to meet the demand for a satisfactory low priced boys axe. Same quality and construction as regular pattern Corona axes.
Michigan Pattern Gold Bronzed Body Polished Head and Bit
Handled with Rodgers 28-inch handles.

Handled

No.	Wt. head	Per doz.
95	2¼ lbs.	$29 50

All above, about 48 lbs. per dozen. One-half dozen in a case

FREIGHTERS AXES

Fully Warranted
Made from highest grade crucible steel.
California-Ohio Pattern
Rustless. Black Finish. Deep Gold Etching.
Handled with ~~Sterling~~ 32-inch oval handles.

Handled

No.	Wt. head	Per doz.
F100	2¾ lbs.	$38 00

One-half dozen in a case.

STERLING

Not Warranted
Special crucible forged steel bits.
California-Ohio Pattern.
Labeled. Red body. Hollow Bined Bevels. Polished Bit.
Handled with Rodgers 32-inch handles.

Handled

No.	Wt. head	Per doz.
F703	2¾ lbs	$34.50

One-half dozen in a case.

HOUSEHOLD AXES

CORONA

Not Warranted
Michigan Pattern
Gold Bronze Body. Polished Head and Bit. Labeled.
Handled with Rodgers 36-inch oval handles. Weights assorted 3 to 4, 3½ to 4½ and 4 to 5 pounds.

Handled

No.	Per doz.
803	$37.00

One-half dozen in a case.

CUB

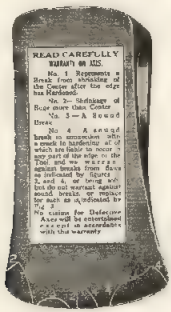
Fully Warranted
Made from high grade crucible steel. Same construction as Regular Pattern Cub axes.
Michigan Pattern
Natural Black Finish. Labeled.
Handled with Sterling 18-inch oval handles.

Handled

No.	Wt. head	Per doz.
H703	2¾ lbs	$31.00

One-half dozen in a case

WARRANTY ON AXES


READ CAREFULLY
WARRANTY ON AXES
No. 1 Represents a Break from shoulding of the Center after the edge has Hardened.
No. 2— Shrinkage of Edge more than Center
No. 3—A Sound Break
No. 4 A sound break, or one caused by a crack in hardening at or which are liable to occur any part of the edge in the Tool and we warrant against breaks from flaws as indicated by figures 2, and 4, or lamp will but do not warrant against sound breaks, or replace for such as indicated by No. 3.
No claims for Defective Axes will be entertained except in accordance with this warranty

The steel in all axes, in order to carry a good edge, must be of high temper; and for this reason a good axe is more likely to break than a poor one. Soft steel will first bend, and then break; so it is impossible for an axe that is too soft to hold a good cutting edge. Breaks from flaws are readily known by their angular form, not by the color, while sound breaks (which are no fault of the manufacturer), are always circular in form as shown in illustration.

Our warranty does not cover open or broken eyes, which are clearly the result of axes being used as mauls instead of for chopping. Axes should not be ground on an emery wheel, because the overheating draws the temper from the steel.

No claim for defective axes will be entertained unless in accordance with this warranty.

Defective axes must be returned to us with freight charges prepaid

WEIGHTS

Straight weight axes, 3 and 3½ lbs., and assorted weights, 3 to 3½ and 3 to 4 lbs., take base price. All other straight and assorted weights are subject to the advances listed in the complete classification of weights below. Weight of each axe is stamped on the poll

HANDLED AXES

All of our axes (excepting the Corona) are handled in our own handling department. For weights of handled axes add 16 lbs. per dozen.

AXE RACKS

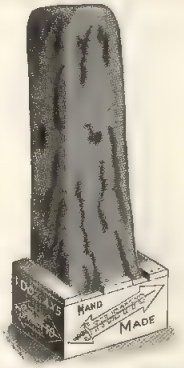
One —Stiletto— rack only is given free with a purchase of three dozen assorted axes of our brands.

Made of Oregon pine, stained light oak, velvet finish. Capacity, 32 handled or unhandled axes.

No.	Height	Length	Width	Wt. each	Each
8	....32 in..	...27 in.....	14½ in.	... 25 lbs.....	.$13.00

One in a crate.

HANDLING OF AXES



All our axes one dozen in a case. Handles securely wrapped in burlap. Our axe handling department is under our own supervision. We employ workmen who know by years of experience the correct shaping and set of the handle. Every axe is handled by a fixed gauge, to insure its being perfect in this respect.

CLASSIFICATION AXE WEIGHTS

Add per dozen to base price on all single and double bit axes.

STRAIGHT WEIGHTS

Weights	Per doz.
3 lbs	Base
3½ lbs.	"
	Add to base
3¾ lbs.	$0 50
4 lbs.	.50
4½ lbs.	1.00
5 lbs.	1.50
5½ lbs.	2 00
6 lbs	2.50
6½ lbs	3.50
7 lbs.	4.50
7½ lbs.	5.50

ASSORTED WEIGHTS

Weights	Total weight doz.	Per doz.
3 to 3½ lbs.	42 lbs.	Base
3 to 3¾ lbs..	42 lbs.	Base
3 to 4 lbs.	42 lbs.	Base
3½ to 4 lbs	48 lbs.	$0.50
3¾ to 4 lbs	48 lbs.	.50
3½ to 4½ lbs	48 lbs.	.50
4 to 4½ lbs	54 lbs	1.00
4 to 5 lbs	54 lbs	1.00
4½ to 5 lbs	60 lbs.	1.50
4½ to 5½ lbs..	60 lbs	1 50
5 to 5½ lbs.	66 lbs	2 00
5 to 6 lbs	66 lbs	2.00
5½ to 6½ lbs	72 lbs.	2.50
6 to 7 lbs	78 lbs.	2 50

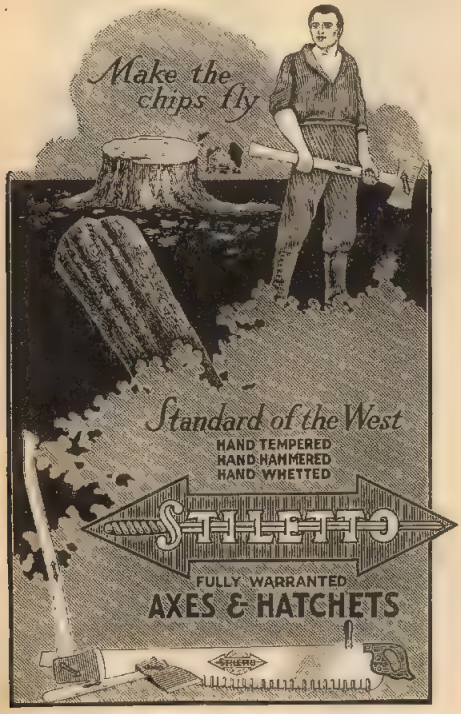
DIMENSIONS OF 4-LB. AXE

Brand	Pattern	Width bit	Size head	Length
—Stiletto—	California Ohio	4⅞ in.	3¼x1 in.	7⅝ in.
"	Michigan	4⅞ in.	3¼x1 in.	7⅝ in.
"	California Reversible.	5¼ in.	in.	10 in
"	Swamping	4½ in.	in.	11 in.
"	Puget Sound Falling.	3⅝ in.	in.	12½ in.
"	Redwood	4½ in.	in.	11 in.
"	Youngs	4⅝ in.	in.	11½ in.
Cub	Michigan	4⅞ in.	3¼x1 in.	7⅝ in.
Hunts	California Ohio	4⅝ in.	3¼x1 in.	7⅝ in.
"	Michigan	4⅞ in.	3¼x1 in.	7⅝ in.
Corona	Michigan	4⅞ in.	3¼x1 in.	7⅝ in.

Note—Owing to the fact that all our own brands of axes are hand made and hand ground, they may vary slightly from the above dimensions.

ADVERTISING ELECTROTYPES

Any of these electrotypes furnished our customers upon request. Order by number.



No 29

No. 31

No. 30

No. 32

ADVERTISING ELECTROTYPES

Any of these electrotypes furnished our customers upon request. Order by number

No. 25—Double column

No. 26—Single column

STILETTO
Lawn Mowers
The lightest running, smoothest cutting mower that money can buy—dust proof—ball bearing throughout—5 revolving knives made of the highest grade of steel which can be depended upon to hold the edge.
There is a full line of garden tools bearing STILETTO trade-mark which guarantees to you not only the very best but long-lived service.
STILETTO
REG. U.S. PAT. OFF.

No. 28—Double column

No. 27—Double column

TOOL DISPLAY BOARDS

COMPLETE WITH TOOLS

Supplied in Solid Oak. Finished to Match Your Fixtures and to Fit Your Shelving

No. T1

Suggested assortment of Axes consisting of the following:

1 only —~~Stanley~~— Michigan Pattern Handled Axe, No. 103A.

1 only —~~Stanley~~— Boy Scout Axe, No. S8A.

1 only —~~Stanley~~— Sportsmen's Axe, No. SPS/0.

1 only —~~Stanley~~— Sportsmen's Axe, No. SGM3/0.

1 only —~~Stanley~~— Sportsmen's Axe, No. SGM1.

1 only —~~Stanley~~— Sportsmen's Axe, No. SGM2.

Total Approximate List Value $15.00

No. T2

Suggested assortment of Hatchets consisting of the following:

1 only —~~Stanley~~— Lathing Hatchet, No. S22.

1 only —~~Stanley~~— Lathing Hatchet, No. S40.

1 only —~~Stanley~~— Shingling Hatchet, No. SGS2.

1 only —~~Stanley~~— Claw Hatchet, No. SBC2.

1 only —~~Stanley~~— Flooring Hatchet, No. SGF2.

1 only —~~Stanley~~— Broad Hatchet, No. SGB2.

Total Approximate List Value $12 00

TOOL DISPLAY BOARDS

COMPLETE WITH TOOLS

Supplied in Solid Oak. Finished to Match Your Fixtures and to Fit Your Shelving

No. T1

Suggested assortment of Axes consisting of the following:

1 only —~~Stanley~~— Michigan Pattern Handled Axe, No. 103A.

1 only —~~Stanley~~— Boy Scout Axe, No. S8A.

1 only —~~Stanley~~— Sportsmen's Axe, No. SPS/0.

1 only —~~Stanley~~— Sportsmen's Axe, No. SGM3/0.

1 only —~~Stanley~~— Sportsmen's Axe, No. SGM1.

1 only —~~Stanley~~— Sportsmen's Axe, No. SGM2.

Total Approximate List Value $15.00

No. T2

Suggested assortment of Hatchets consisting of the following:

1 only —~~Stanley~~— Lathing Hatchet, No. S22.

1 only —~~Stanley~~— Lathing Hatchet, No. S40.

1 only —~~Stanley~~— Shingling Hatchet, No. SGS2.

1 only —~~Stanley~~— Claw Hatchet, No. SBC2.

1 only —~~Stanley~~— Flooring Hatchet, No. SGF2.

1 only —~~Stanley~~— Broad Hatchet, No. SGB2.

Total Approximate List Value $12 00

TOOL DISPLAY BOARDS

COMPLETE WITH TOOLS

Supplied in Solid Oak. Finished to Match Your Fixtures and to Fit Your Shelving

No. T7

Suggested assortment of tools consisting of the following:

1 each —Stiletto— Hardwood Auger Bits in Nos. SH6, SH8, SH10, SH12 and SH14.

1 each —Stiletto— Irwin Pattern Auger Bits in Nos. S3, S4, S5, S6, S7, S8, S9, S10, S11, S12, S13, S14, S15 and S16.

1 each —Stiletto— Caldwell Pattern Electrician's Auger Bits in 11/16 and 12/16ths.

1 each —Stiletto— Irwin Pattern Car Bits in Nos. SC8, SC10 and SC12.

1 only Standard Gimlet, No. 2.

1 only Standard Countersink Bit, No. 8.

1 only Standard Countersink Bit, No. 10.

1 only Standard Countersink Bit, No. 6.

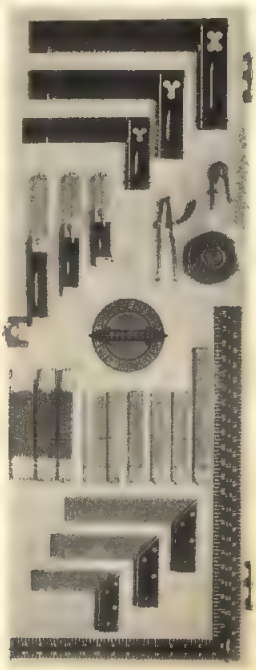
1 each Screwdriver Bits, No. 26, in sizes ¼, 5/16, ⅜ and ½-inch.

1 each —Stiletto— Expansive Bits in Nos. S/S, S/M and S/L.

1 only —Stiletto— Bit Extension, No. S1, 18-inch.

1 only —Stiletto— Bit Brace, No. S10.

Total Approximate List Value $43 20



No. T8

Suggested assortment of tools consisting of the following:

1 each —Stiletto— Try Squares, No. S1, in sizes 7½, 9 and 12-inch.

1 each —Stiletto— Bevels, No. S2, in sizes 6, 8 and 10-inch.

1 only Scriber, No. A20.

1 only Wing Divider, No. 35, 6-inch.

1 only Steel Tape, No. 563, 50-feet.

1 each Zig Zag Rules, Nos. H8524, H8525 and H8526.

1 only Boxwood Rule, No. 36¼.

1 only Boxwood Rule, No. 68.

1 only Boxwood Rule, No. 61.

1 only Boxwood Rule, No. 53.

1 only Boxwood Rule, No. 53½.

1 only Boxwood Rule, No. 66½.

1 each —Stiletto— Combined Try and Mitre Squares, No. S10, in sizes 6, 7½ and 9-inch.

1 only —Stiletto— Steel Square, No. SB3/16.

Total Approximate List Value $27.00

TOOL DISPLAY BOARDS

COMPLETE WITH TOOLS

Supplied in Solid Oak. Finished to Match Your Fixtures and to Fit Your Shelving

No. T9

No. T10

Suggested assortment of Screw Drivers consisting of the following:

1 each ~~—Stilletto—~~ Champion Pattern Screw Drivers, No. S66, in sizes 3, 4, 5, 6 and 8-inch.

1 each ~~—Stilletto—~~ Hardwood Pattern Screw Drivers, No. S22, in sizes 4, 5, 6 and 8-inch.

1 each ~~—Stilletto—~~ Electrician's Screw Drivers, No. S88, in sizes 6½, 8½ and 10½-inch.

1 only ~~—Stilletto—~~ Baby Screw Driver, No. S1.

1 only ~~—Stilletto—~~ Machinist's Screw Driver, No. S55, 2½-inch.

1 only ~~—Stilletto—~~ Machinist's Screw Driver, No. S56, 3½-inch.

1 only ~~—Stilletto—~~ Machinist's Screw Driver, No. S57, 4½-inch

1 only ~~—Stilletto—~~ Machinist's Screw Driver, No. S78, 1¾-inch.

1 each ~~—Stilletto—~~ Square Shank Screw Drivers, No. S33, in sizes 4, 5, 6 and 8-inch.

1 each ~~—Stilletto—~~ Automobile Screw Drivers, No. S77, in sizes 5, 6, 8 and 10-inch.

Total Approximate List Value $17.70

Suggested assortment of tools consisting of the following:

1 each ~~—Stilletto—~~ Socket Butt Chisels, No. S85, in sizes ¾, 1, 1¼, 1½, 1¾ and 2-inch.

1 each ~~—Stilletto—~~ Short Firmer Chisels, No. S54, in sizes ⅜, ½, ⅝, ¾, 1, 1¼, 1½, 1¾ and 2-inch.

1 only ~~—Stilletto—~~ Drawing Knife, No. S50, 9-inch.

1 each ~~—Stilletto—~~ Flat Steel Scrapers, Nos. S26, S24 and S22.

Total Approximate List Value $29 00

ADVERTISING LANTERN SLIDES

Any of these lantern slides in natural colors, for use in moving picture shows, will be furnished our customers with their names on. Order by number

No. S5

No. S4

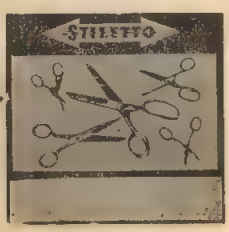
No. S1

No. S6

No. S8

No. S7

No. S10



No. S11

No. S3

ADVERTISING SHOW CARDS AND ELECTROTYPES

No. 201—Cardboard display sign. Printed in 4 colors. Size, 10½x23 inches.
No. 113—Double column newspaper electro. Size, 4¼x1¾ inches.

No. 301—Cardboard sign, 4 colors, 12x20 inches.
No. 115—Single column electro, 2⅛x3½ inches.
No. 116—Double column electro, 3½x6 inches.

No. 401—Cardboard sign, 5 colors, 14x19 inches.
No. 25—Double column electro, 4¼x6 inches.
No. 26—Single column electro, 2x2½ inches.

No. 501—Cardboard display sign. Printed in 5 colors. Size, 14x17 inches.
No. 117—Double column newspaper electro. Size, 4½x3½ inches.

ADVERTISING ELECTROTYPES

Any of these electrotypes furnished our customers upon request. Order by number.

STILETTO
Carving Sets
Why not decide NOW?
A set of STILETTO Carvers.
Just the thing. You could not select a more appropriate gift.
Highly polished blades of Best Knife Steel
They hold the edge and make carving a pleasure.
We have Carvers for every purpose
Patterns and finishes for the most critical. Prices to fit every purse.
Remember, we guarantee every set.

No. 88—Double column

STILETTO
Butcher Knives
The Most Important Article in Your Kitchen Equipment
Why tolerate a "Butcher Knife" that must be sharpened daily when you can buy a STILETTO
Butcher Knives bearing this brand are dependable — the blades hold their edge — the quality of steel makes the difference.
We have a large assortment. Let us sell you one NOW.
Our guarantee covers all styles and patterns, regardless of price.

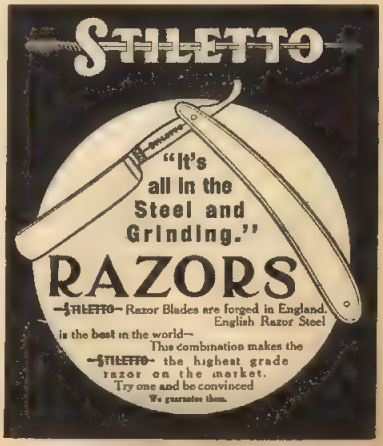
No. 90—Single column

STILETTO
Kitchen Knives
The Kitchen Knife with the Pocket Knife Blade
Something new and distinctive — the handiest article imaginable for the kitchen. The trade mark STILETTO means "The steel is of the same reliable quality which has made STILETTO Pocket Knives famous."
Be particular in selecting small articles.
WARRANTED

No. 91—Single column

STILETTO
Pocket Knives
Always Ready for use
Some knives are a nuisance. Blades require frequent sharpening. Edges invariably turn.
STILETTO
Knives are ground sharp at the factory and are always ready for use.
The blades we guarantee to take and hold an edge
We carry an excellent assortment

No. 89—Double column


STILETTO
"It's all in the Steel and Grinding."
RAZORS
STILETTO Razor Blades are forged in England. English Razor Steel is the best in the world—
This combination makes the STILETTO the highest grade razor on the market.
Try one and be convinced
We guarantee them.

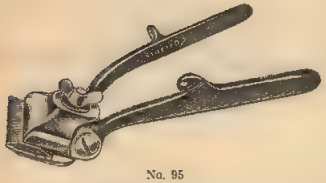
No. 92—Double column

ADVERTISING ELECTROTYPES

Any of these electrotypes furnished our customers upon request Order by number. Illustrations actual size.

No. 93

No. 94



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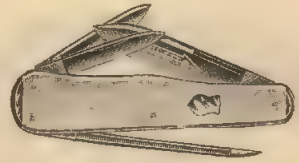
No. 96

No. 97



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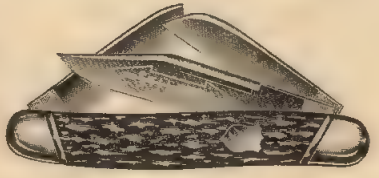

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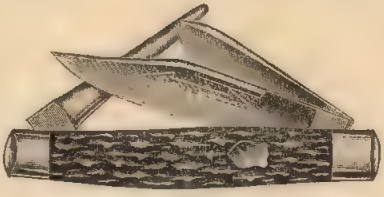

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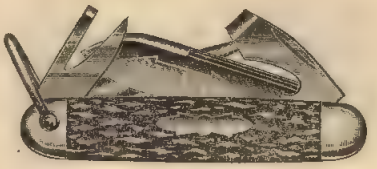
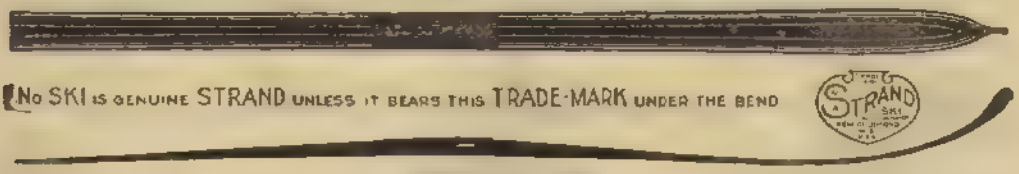


No. 101

No. 102

SKIS



NORWAY PINE

These Skis are made of the best quality selected stock, Norway and Yellow Pine, finished in natural wood with several coats of waterproof varnish and have fancy stripes. They are supplied with leather toe strap and rubber foot rests and are made in both boys' and men's sizes.

BOYS' AND GIRLS'

No. T4P—4 feet long ..... per pair $1.20
No. T5P—5 feet long ..... per pair 2 00
No. T6P—6 feet long ..... per pair 2.70

LADIES' AND MEN'S

No. T7P—7 feet long ..... per pair $3.20
No. T76P—7½ feet long ..... per pair 3.60
No. T8P—8 feet long ..... per pair 3.90

MAHOGANY FINISHED BIRCH

These are made of the best quality selected Birch, in a beautiful Mahogany finish with fancy grooved white stripes. Equipped with leather toe strap and corrugated rubber foot rests.

BOYS' AND GIRLS'

No. T4MM—4 feet long ..... per pair $2.20
No. T5MM—5 feet long ..... per pair 3.20
No. T6MM—6 feet long ..... per pair 4.30

LADIES' AND MEN'S

No. T7MM—7 feet long ..... per pair $5 40
No. T76MM—7½ feet long ..... per pair 6 50
No. T8MM—8 feet long ..... per pair 7 00

QUARTER-SAWED WHITE ASH—BLACK FINISH

These are made of the very best selected quality edge grain Northern White Ash. Cut out of small tough trees. Finished in black with fancy grooved white stripes. Equipped with leather toe straps and corrugated rubber foot rests.

BOYS' AND GIRLS'

No. T5AB—5 feet long ..... per pair $4.30
No. T6AB—6 feet long ..... per pair 6.50

LADIES' AND MEN'S

No. T7AB 7 feet long ..... per pair $7 50
No. T76AB—7½ feet long ..... per pair 8 60
No. T8AB—8 feet long ..... per pair 9.20

LOOSE

SKI BINDINGS

These are made of steel and leather, the steel forming a side iron and the leather being adjustable, to the size of the wearer's foot.

No. 1—Cowhide, 1⅛ lbs. ..... per pair $4.40
No. 2—Leather, 1¼ lbs. ..... per pair $3 50

LOOSE

SKI POLES

No. T10—Men's, hardwood with rigid washer, 4 ft. 8 in. long, w't each 11 oz. ..... each $1.30

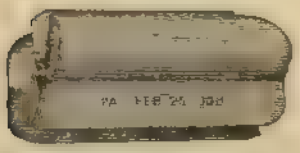
No. T11—Men's, bamboo pole with flexible washer, 4 ft. 6 in. long, w't each 6¾ oz. ..... each $1.70

No. T12—Boy's, hardwood, with rigid washer, 4 ft long, w't each ¾ lb. ..... each $0.70

SHIPPING FACILITIES

With our immense stock and very modern facilities for shipments we are enabled to fill orders with unequaled promptness. On some of the roads we have special through cars which enable us to reach distant points 24 hours ahead of shipments made in the regular way.

SKATE SHARPENERS



PERFECT, blued steel holder, projecting lugs, flexible grinders, rotary emery wheel of best emery and carborundum, will grind the hardest tool steel runner and positively will not soften it.

No. 10—For hollow grinding, w't per doz. 1¼ lbs. ....per dozen $3.00

No. 15—For Flat Grinding, w't per doz. 1¼ lbs. .....per dozen $3.00

ONE DOZEN ON A DISPLAY CARD

ICE SKATE KEYS

Malleable iron bright finish.

No. 78—Per 100 .....$6.00

PACKED IN BULK

SKATE STRAPS

Black leather, roller buckle.

No. 1—⅝×20 in., per dozen pairs $2.60

A good durable cheap strap.

No. 2—¾×20 in., russet leather, with patent buckle,
per dozen pairs $3.00

PACKED LOOSE

A strong, light strap.

No. 12—Web, ¾×20 in., with patent buckle .....per dozen pairs $2.30

PACKED LOOSE

ICE CREEPERS

Made of high carbon steel, having calks formed while hot, and warranted not to break or bend. They will not ball up. They are made in two styles, 3 and 4 point, for rubber boots and lumberman rubbers, a special wrought iron nail is furnished.

SAFETY BALL AND HEEL PLATE

No. 6034—W't per doz. prs. 2¼ lbs., per dozen pairs $0.80

ONE DOZEN PAIRS IN A BOX. SCREWS INCLUDED

In use. When not in use.

Can be easily turned under instep when not in use, will fit any shoe and can be used in either high or low heel.

No. 10—Reliance, hardened steel, easily and quickly attached, w't per doz. prs. 20 oz.,
per dozen pairs $5.00

ONE PAIR IN A CARTON; ONE DOZEN ON AN EASEL DISPLAY CARD. WE DO NOT BREAK PACKAGES

Non-rustable.

No. 5—OK, stamped steel, inserted steel calks, applied as a pair of lever skates, assorted sizes, small, medium and large, can be adjusted to several size heels,
per dozen pairs $5.00

PACKED ASSORTED, SMALL, MEDIUM AND LARGE. ONE DOZEN PAIRS IN A BOX. W'T 2¾ LBS.

ICE CREEPERS

Can be worn over boots, shoe or rubber.

No. 60—Climax, instep, heavy steel back strap holds creeper firmly against heel and prevents slipping forward or sideways, w't per doz. prs. 3 lbs. ....per dozen pairs $6.40

ONE DOZEN PAIRS IN A BOX

No. 8—Newark, steel plate and points, for either shoe or rubber, adjustable to fit heels from 2¼ to 3¼ in. wide .....per dozen pairs $9.00

ONE DOZEN PAIRS IN A BOX, W'T 6¼ LBS.

Can be used on overshoes or rubbers. So constructed that it adjusts itself to the required size when placed on the heel.

Made in only two sizes, yet by reason of its adjustable feature, it will fit all sizes from a lady's rubber to a man's large size heel.

It has six hardened calks in each creeper, neatly finished and furnished with a heavy web strap and automatic buckle.

No. 6022—Large, w't per doz. 6½ lbs., per dozen pairs $2.00

No. 6023—Small, w't per doz. 5½ lbs., per dozen pairs $2.00

ONE DOZEN PAIRS IN A CARTON

GAS STOVES

"BLACKSTONE" GAS HOT PLATES

These well made hot plates are noted for their efficiency and endurance. Our great 6-house buying power enables us to quote prices that make it worth while for you to get your needs here. We invite comparison.

6½ in. high, heavy cast iron, removable flush top plates, extra large drilled star burners adjustable to any pressure of manufactured or natural gas, brass gas cocks with porcelain handles, 9½ in. shelf, nickel manifold and brackets, removable steel drip tray, fitted for hose or pipe connection.

Dull Black Japan Finish

1 BURNER—12x12 in. top

2H8419 1 in crate 12 lbs. Each **$2.25**

Full Nickel Plated

1 BURNER—12x12 in. top.

2H8604 1 in crate 12 lbs. Each **$2.75**

Dull Black Japan Finish

2 BURNERS 12x20½ in. top

		Each
2H4152	1 in crate 30 lbs.	**$3.60**
2H8327	" " 55 "	**3.45**
2H8328	" " 100 "	**3.35**

Full Nickel Plated

2 BURNER 12x20½ in. top

2H8935 1 in crate 30½ lbs. Each. **$4.75**

Dull Black Japan Finish

3 BURNERS—1 giant, 12x32 in. top

		Each
2H4153	1 in crate 39½ lbs.	**$4.75**
2H8329	" " 80 "	**4.50**

Full Nickel Plated

3 BURNERS—1 giant, 12x32 in. top

2H8858 1 in crate 39½ lbs. Each **$6.75**

SINGLE BURNER HOT PLATE

2H4480 5x8 in., plain finish. Sold in any quantity. Each **40c**

"BELMONT" GAS HOT PLATES

A new improved pattern that gives excellent satisfaction and can be sold at popular prices.

Heavy cast iron, one piece, main top, one piece burners, cored and drilled valves fitted with black wood handles.

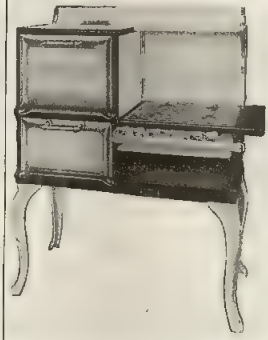
2H8632—2 burners, 9½x12¾ in. 1 in crate 28 lbs. Each **$2.65**

2H7613 3 burners, 9½x20½ in. 1 in crate 40 lbs. Each, **$3.65**

GAS "RANGETTE"

2H9459 32 in. high, 14x27 in. top, 13x13¾x16 white porcelain oven, 1 regular size 9 in. square and 1 giant burner with automatic lighter, heavy steel combined broiler and oven, finished in japan, 1 in crate, 150 lbs. Each. **$18.75**

"BLACKSTONE" GAS RANGES



PLAIN FINISH Polished blue steel body, all cast iron parts are finished in egg shell black enamel, one giant, 3 large and one simmering burner with automatic lighter. Oven door panels, 3 splashers, drip and broiler pans are white porcelain enameled oven door handles splasher guard and manifold are nickel plated

Left Hand Oven

2H8630—41 in. long, 48 in extreme height, 31 in. to cooking top, 16x18x12 oven. 16x18x9 broiler. 1 in crate, 250 lbs. Each. **$46.50**

Right Hand Oven

2H8631 41 in. long, 48 in extreme height, 31 in. to cooking top, 16x18x12 oven 16x18x9 broiler 1 in crate 250 lbs. Each. **$46.50**

"DE LUXE" FINISH—Oven and broiler door panels, oven and shelf top, 2 splashers, bars, drip and broiler pans are white porcelain enameled 1 giant, 3 large and 1 simmering burner automatic lighter. Oven and broiler door frames and handles, shelf and corner brackets, splasher guard and manifold, are nickel plated 1 in crate

Left Hand Oven

	Length	Extreme Height	Cooking Top Height	Oven	Broiler	Weight Crated	Each
2H630	41 in.	48 in.	31 in.	16x18x12	16x18x9	250 lbs.	**$64.50**

Right Hand Oven

	Length	Extreme Height	Cooking Top Height	Oven	Broiler	Weight Crated	Each
2H631	41 in.	48 in.	31 in.	16x18x12	16x18x9	250 lbs.	**$64.50**

WHITE ENAMELED—Heavy cast iron and blue steel body, entire range, with exception of ends, finished in white porcelain enamel, 1 giant, 3 large and 1 simmering burner, automatic lighter full nickel trimmed 1 in crate

Left Hand Oven

	Length	Extreme Height	Cooking Top Height	Oven	Broiler	Weight Crated	Each
2H630	41 in.	48 in.	31 in.	16x18x12	16x18x9	250 lbs.	**$68.50**

Right Hand Oven

	Length	Extreme Height	Cooking Top Height	Oven	Broiler	Weight Crated	Each
2H631	41 in.	48 in.	31 in.	16x18x12	16x18x9	250 lbs.	**$68.50**

The stoves are for manufactured gas but we can furnish them with closed top for natural gas if specified

"STRATFORD" 4 BURNER GAS RANGES—For Manufactured Gas

21 x 32 cooking top (less end shelf), 48 in extreme width 50 in extreme height 18 in. back to oven top 30½ in. high to cooking top. Patent wheel over 4 star burners 2 regular light 9" L type oven and broiler burners, cast oven bottom with patented safety lighter, heavy steel and cast iron body, white enameled, nickel trim, black enameled cooking top and end shelf, nickel dipped grates and burners, white enameled broiler and scavenger pans. 1 in crate, 250 lbs.

2H8465—Right hand oven Each **$64.50**

2H8466 Left hand oven **64.50**

"COLONIAL" GAS LAUNDRY HOT PLATE

Heavy cast iron top with heavy steel legs and steel lower shelf, giant drilled "Star" type burners, which provide intense heat necessary for laundry purposes. Large square, removable top plates can be reversed as desired so that they are slightly higher or flush with the top. Nickel plated brass air cocks with white porcelain handles and large air mixers, nickel plated manifold pipe legs and lower shelf are black japanned. 1 in crate.

	Burners	Top In.	Ht. Shelf Wt.	Each
2H8312	2	21x10½	23½ 30 lbs.	**$6.25**
2H8313	3	31x10½	23½ 40 "	**7.75**

GUARANTEED PRICES

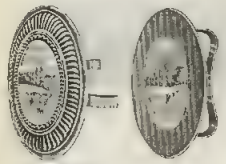
"Our Drummer" takes the risk out of buying because it guarantees our printed prices against advances. And in a declining market we bill at lowest prices on date of shipment.

STOVE SUNDRIES

It's easy to compare these goods because they are so well known. You'll find you save more money here than you can buying from any other source.

FLUE STOPS

We deal in such huge quantities of these goods that we can name lowest prices.



2H39476 "Phinx" 8½ to 14 in. blue enameled, medallion landscape center adjustable steel spring. 2 doz in box. ✶ Doz. (Total $1.50) ✶75

2H39477—8½ to 14 in. brassed tin, embossed, landscape center, assd colors, adjustable steel back spring. Assd. 2 doz. in box. ✶ Doz. ✶75

"BURNISHINE" METAL POLISH

2H5089 Especially recommended for brass or zinc signs, automobile, chandeliers, stoves, show cases, etc. Warranted not to oxidize acid or anything injurious to metal

¼ pt. can 1 doz. in case Doz. $1.25

½ pt. can 1 doz. in case Doz. $2.00

1 qt. can ¼ doz. in case Doz. $4.50

½ gal. can ¼ doz. in case Each. $0.80 Doz. 8.00

1 gal. can ½ doz. in case Doz. $14.00 Ea. $1.35

LIGHTING RINGS

2H2530 2H2538

2H2539—"Pilgrim," stamped ¾ in. wall, 3½ in. diam, reinforced with perforated metal ring. 2H2530 "Pilgrim" for 1 in. stoves. 2 doz. in pkg Doz. 45c

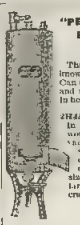
2H8376—Fits all "Auto-Feed" oil cook stoves. 1 doz. in pkg Doz. 86c

OIL COOK STOVE WICKS

2H8534—Fits all regular Kerosene burners and oil cook stoves 2H7885, 2H7885 and 2H 8534 with the exception of the "Duplex" and all old pattern "Stratified" oil cook stoves. 1 doz. in pkg Doz. $2.85

2H8247 Fits giant Kerosene and Natural Gas cook stove burners each in box. 1 doz. in case Doz. $4.50

"PEERLESS" KITCHEN BOILER AND GAS HEATER COMBINED



The most efficient and best known heater on the market. Can also be installed in basement and used in connection with coil in heating plant in winter months.

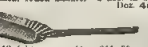
2H4595 80 gal., 5 ft. high 12 in. diam., tested to 50 lbs. working pressure, heavy galvanized iron, shipped with attached stand. Any solid stand or a tub or barrel can be ordered. This is the standard size tank. We can furnish larger sizes if desired. 1 in crate. 140 lbs. Each. $24.50

GAS WATER HEATER

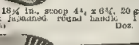
For Artificial Gas Only

2H7641—"White House," 7¾x18 in., ¾ in. jacket, asbestos lined, seamless copper tubing, polished steel. 1 in crate, 18 lbs. Each. $6.25

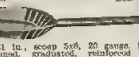
JAPANNED FIRE SHOVELS



21H34 14½ in., scoop 4½x6, 20 gauge, black japanned, round handle. 1 doz. in bdl. Doz. 46c



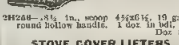
21H56 18¾ in., scoop 4¼ x 6¾, 20 gauge, black japanned round handle. 1 doz. in bdl. Doz. 84c



21H25—21 in., scoop 5x8, 20 gauge, black japanned, graduated, reinforced half round handle securely riveted, extra large and heavy, wt. 1 lb. each. 1 doz. in bdl. Doz. $1.35 6 doz. in carton, " 1.25

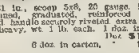
GALVANIZED FIRE SHOVELS

21H280—14½ in., scoop 6¼x4¼ in., 20 gauge, half round handle. 1 doz. in bdl. Doz. 45c



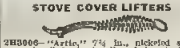
21H284—20½ in., scoop 4½x6½, 18 gauge, round bolton handle. 1 doz. in bdl. Doz. 87c

STOVE POKER

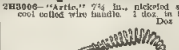


21H2686—30 in., ⅜ in. diam., straight end, coiled wire ventilated handle, nickeled. 1 doz. in box. Doz. 84c

STOVE COVER LIFTERS



21H3006—"Artic," 7¾ in., nickeled spiral cool coiled wire handle. 1 doz. in box. Doz. 84c

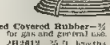


21H3007—"Belmont," 7¾ in., medium wt., nickeled and polished, cool coiled wire loop handle. 1 doz. in box. Doz. 66c

HIGH GRADE GAS TUBING

Red Covered Rubber—½ in., 2 ply rubber for gas and general use.

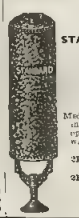
21H2812 25 ft. lengths Ft. 6c
21H2813 50 " " 6c



Flexible Steel—Barrel shape ends. ½ doz. pcs. in pkg

21H2727—4 ft. lengths. Doz. pcs. $2.10
21H2728—6 " " 3.10
21H2729—8 " " 4.10

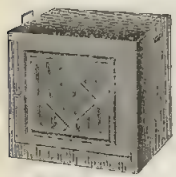
STANDARD GALVANIZED HOT WATER BOILERS



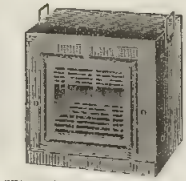
Medium weight, 85 lbs. working pressure, four 1 in. thread openings, thoroughly tested with stand. 1 in crate.

21H2704—30 gal., 80 lbs. Each. $9.95
21H2705—40 gal., 105 lbs. Each. $12.50

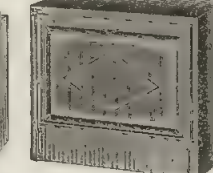
STEEL OVENS—For Oil, Gas & Gasoline Stoves



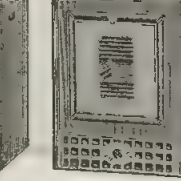
21H5557—12x12x11 in., one burner, stamped steel drop door, pan top and sides, single flue with wire rack and handles. 1 in crate. 15 lbs. Each. $1.35



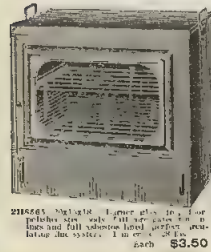
21H5562—12½x12½x11 in., one burner, glass door, drop front, top adapted for kerosene or gasoline stoves, double side walls, polished steel body, japanned finish, wire racks and handles. 1 in crate. 18 lbs. Each. $1.65



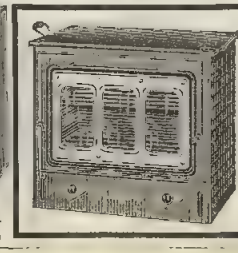
21H5561—20x18x18, 1 burner, drop door, polished steel body, full tin lined, two wire racks and wire handles. 1 in crate. 24 lbs. Each. $2.50



21H337 13x13x18, one burner, polished blue steel body, double enamel construction, glass drop door, blue porcelain panel, lined throughout with ingot corrugated tin full asbestos interlined. Alaska handles. 1 in crate Each. $2.50



21H5565—20x14x18, 1 burner glass front, 1 oven, stamped steel body, full tin lined, pan tops and full asbestos lined, perfect combustion fire system. 1 in crate. 28 lbs. Each. $3.50

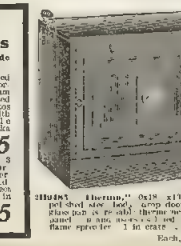


2 Burner Ovens

These values are sure trade winners.

21H339 21x13½x18½, polished steel body, 3 panel glass door, full edge top with aluminum corners. Lined with corrugated tin throughout. Full asbestos lining, mica peep holes, with aluminum frame, double seamed construction. Alaska handles. 1 in crate, 90 lbs. Each. $3.75

21H5567—26x13x18, 2 burner 3 panel glass drop door, blue porcelain enamel frame, full corrugated tin and asbestos lined, welded wire racks, perfect circulating flue system. 1 in crate, 28 lbs. Each. $4.25



21H5581 "Burnup," 9x18 x17½, 2 burner polished steel body, drop door with two glass peep holes, blue porcelain panel, asbestos lined, heavy steel flame spreader. 1 in crate. 35 lbs. Each. $4.75

STRATFORD SECTIONAL SILVERWARE

FACTORY "C" INTERNATIONAL SILVER COMPANY

ROSEMARY PATTERN

Net Price Schedule Per Dozen

SPOONS

Tea	Plain Box	$4 48
Dessert	Plain Box	8 14
Table	Plain Box	8 96
R. B. Soup	Plain Box	8 96
Sugar Shell	Plain Box	8.14
Sugar Shell	1 Lined Box	10 14
A. D. Coffee	6 Lined Box	4.90
A. D. Coffee	Plain Box	4 48
Child's	Plain Box	4 48
Orange	6 Lined Box	8 04
Berry Shell	1 Lined Box	24 85
Iced Tea	Plain Box	6 68
Educator	1 Lined Box	9 32
Baby, Bent	1 Lined Box	9 32

FORKS

Breakfast	Plain Box	$8.14
Dinner	Plain Box	8.96
Child's	Plain Box	7 50
Oyster	6 Lined Box	8.14
Oyster	Plain Box	7 50
Cold Meat	1 Lined Box	18 62
Individual Salad	6 Lined Box	11 46
Educator	1 Lined Box	9 32

KNIVES

Butter	Plain Box	$9.10
Butter	1 Lined Box	11.10
Butter Spreaders	6 Lined Box	8 32
Child's	Plain Box	9.10
Jelly Server	1 Lined Box	13 36

LADLES

Cream	1 Lined Box	$16.94
Gravy	1 Lined Box	20 88
Soup	1 Lined Box	50 40

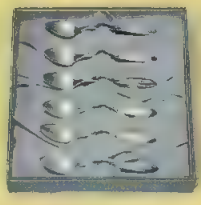
CUTLERY

Fancy Solid Handle Dinner Knives, Straight Blade. 12 Dwt.	$8 54
Fancy Jumbo Dinner Forks, 12 Dwt.	8 54
Fancy H. H. Breakfast Knives.	22 94

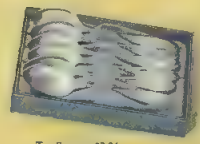
Illustrations Full Size

H & E-6-22

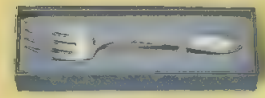
Individual Salad Forks, $5 74
set of 6



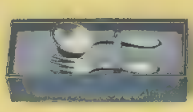
Coffee Spoons, $2 46 set of 6



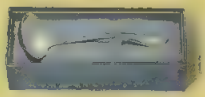
Tea Spoons, $2 24
set of 6



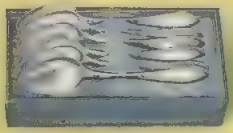
Cold Meat Fork, $1 56 each



Educator Set, $1 54

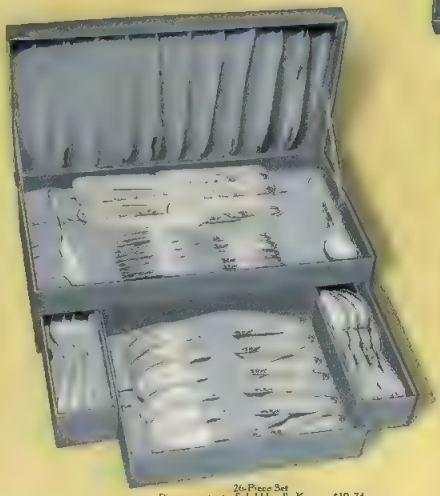


Gravy Ladle, $1 74 each

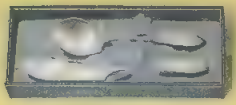


Dessert Spoons, $4.08 set of 6

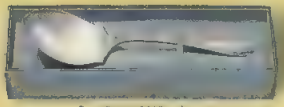
Knife and Fork Set
With Solid Handle Dinner Knives, $8 76
With H H Breakfast Knives, $15 54



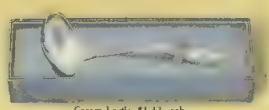
26-Piece Set
Dinner contents, Solid Handle Knives, $19 74
Breakfast contents, H H Knives, $26 10



Sugar and Butter Set, $1 78



Berry Spoon, $2 08 each



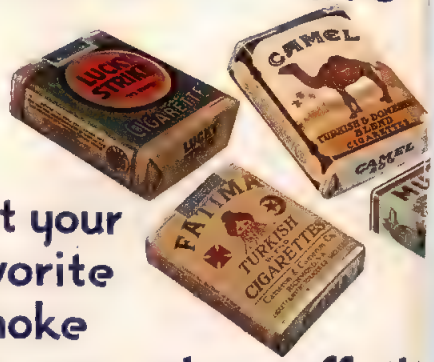
Cream Ladle, $1 42 each

ROSEMARY Illustrations about One-Third Size

H & E-6-22

INTERNATIONAL SILVER CO.

"You don't have



Get your favorite Smoke as you step off th

THIS is one of the cards of the "Neighb Street Cars of our list.

Street Car advertising reaches every neighbo of advertising that is absolutely free from ci Street Car advertising operates the same way

Over 15,000,000,000 passengers were carried b ing 1922, which was a very large increase ov

The simplicity of Street Car advertising still who have not forgotten the years in which times a day.

STREET RAILWAYS

CENTRAL OFFICE
Borland Building, Chicago

HOME O
Candler Buildi

CUTS BY NEW CENTURY COLOR PLATE CO., N. Y.

rhood" Dealer Campaign appearing in the

hood in every city and it is the only form culation worries—the people *seek* the cars. in every city every day and every night.

y the Street Cars of the United States dur- r any previous year.

appeals to executives now using limousines, hey read the Street Car cards two or three

ADVERTISING CO.

FFICE
g, New York

WESTERN OFFICE
Monadnock Building, San Francisco

Stroud Steel Frame Elevating Grader

The best machine on earth for building roads and ditches. Strongest and lightest running.

In the construction of this grader only the best material is used throughout and it is universally known to be the strongest, most durable and smoothest running grader made.

We employ a number of special arrangements or features found exclusively on the STROUD, which enable us to give our machine strength and durability without adding to its weight. The value of the special features will be readily recognized by all those who are familiar with grading and road making machinery.

Flexible Steel Frame

The frame of the Stroud Steel Frame Elevating grader is made of eight inch channel steel, wide enough for strength, thin enough for flexibility and strong enough to withstand any strain that the side hills, ruts and deep furrows may put upon it.

Because of the flexibility all jar is eliminated and the strain equalized; the machine yields freely to its motion, bends to its task, runs smoothly and wears hard.

Notice the **side brace** which prevents the machine from settling down, stretching out and letting the pinion shaft get out of line.

Many Exclusive Features.

The Tongue is made of white oak. The side braces are thin enough, wide enough and strong enough to withstand the most severe strain to which the tongue is put.

The Drum Shaft and **Iron Roller Shaft** are extra large in size and run in specially designed rust proof boxes.

All wood rollers on which the belt runs are turned from the best grade of poplar.

Our **Steel Bolster** is made from steel eye beam, and it will never twist, break, split, nor go to pieces.

Remember it is steel.

Guarantee—Our machines are all made from the best grade of steel, all workmanship guaranteed; they will excavate and place in railroad or levee embankment one thousand (1000) to fifteen hundred (1500) cubic yards of earth in ten hours actual work, or will load from 600 to 800 wagons per day wherever stones or roots are not of sufficient size to impede progress in plowing and where the ground is free from frost and is firm and dry enough to support machine and teams.

The "Little Red" Dump Wagon

This wagon is especially constructed and adapted for railroad contractor's use only in connection with Elevating Graders.

For simplicity, strength and durability the Little Red Wagon has no equal. It is instantly dumped by a touch of the hand and the bottom of the bed closed without stopping the team.

The compound lever foot Brake enables the driver to lock both rear wheels with his right foot though the wagon is heavily loaded, at the same time leaving both hands free to handle the lines.

Capacity 1½ yards water measure without sideboards; 2 yards with sideboards. Tire 4 inches. Ratchet dump and fifth wheel brakes. Approximate weight 1800 pounds. This is the only Dump Wagon on earth built with a 3¾x11 long sleeve skein.

We also furnish this wagon in larger sizes.

Wire or write us.

STRUCTO TOYS

RACER
SPEESTER MODEL

Length of Car—12½ in. overall.
Wheel Base—10 inches.
Tread—5½ inches.
Rear Axle—Steel with Key-Seat for Hubs. Bevel gear drive.
Engine— Latest type with powerful mechanism.
Tires—Special metal, size 2½×⅞ in.
Wheels—Artillery Type, white tires red spokes.
Finish of Car—Brilliant blue green, trimmed with black and nickel,
No. 8—Each $5.00
ONE IN A BOX

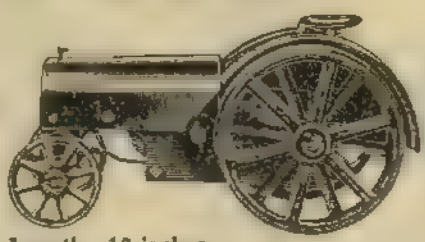
BEAR CAT ROADSTER

Length of Car—16 in. overall.
Wheel Base—12½ inches.
Tread—5½ inches.
Rear Axle—Steel with Key-Seat for Hubs.
Engine—Most improved type with single power unit.
Springs—Semi-Elliptical Pressed Steel.
Steering Gear—Worm, full geared type, ratio 3 to 1, one speed forward
Tires—Special Metal, size 2½×⅞ in.
Wheels—2½ in., Artillery Type, finished in red and white.
Finish of Body—Red and black enamel with nickel trimmings.
START AND STOP CONTROL
No. 10—Each $6.50

DE LUXE

Length of Car—16 in. overall.
Wheel Base—12½ inches.
Tread—5½ inches.
Rear Axle—Steel with Key-Seat for Auto Wheel Hubs.
Engine—The most improved type with Triple Power Unit. Detachable from chassis. Made of high grade cold rolled steel and brass.
Springs—Semi-Elliptical Pressed Steel.
Steering Gear—Worm and full gear type at left of car
Transmission—Selective Sliding Gear Type assembled.
Two speeds, forward and reverse. All gears Structo Die-cast type. Complete differential gear assembled.
Tires—Special Metal. Size 2½×⅞ in. Attached solid to rims. One extra wheel.
Wheels—Disc type. Finished in red, cast in one piece.
Finish of Body—Beautiful orange yellow lustre with black fenders and black trimmings.
No. 12—Each $10.00
ONE IN A BOX

TRACTOR WITH TRAILOR



Length—10 inches.
Height—6½ inches.
Diameter of Drive Wheel—4½ inches.
Driving Mechanism—Consists of start and stop lever, with steering wheel.
Engine—Powerful triple-unit motor, with escapement governor, producing slow speed and high power.
Finish—Highly polished blue green and brilliant red enamel trimmed with black and nickel.
No. 11—Each $7.00

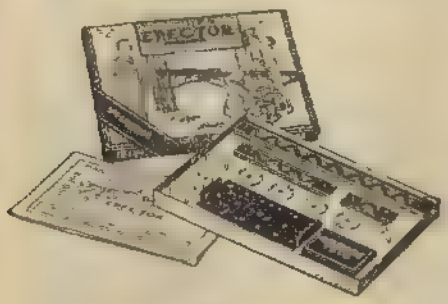
ERECTOR

"THE TOY LIKE STRUCTURAL STEEL"

The toy with the famous square girders. The gears, pinions, pulleys, side plates, shaftings, angle irons and many other Erector parts are real true to life. With them a boy can duplicate practically any engineering feat. He can build the frame work of miniature sky scrapers, draw-bridges, cranes, battleships, elevators, derricks and thousands of things too numerous to mention, while hundreds of models are illustrated in the book of instructions that comes with each outfit.

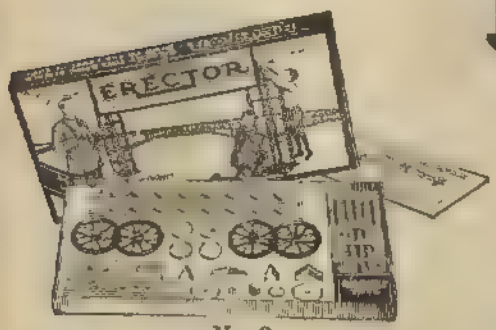
With the sets from No.4 up, comes the powerful little Erector motor to furnish power for elevators, derricks, and other moving models. This little motor can be operated on batteries or through a transformer on house current. It can be geared to run slow or fast and is powerful enough to satisfy any youngster.

Erector develops the constructive side of a boy's nature; with it he learns self reliance, becomes observing, practical and at the same time it furnishes him with the kind of fun he demands in all his toys.



No. 1

No. 4



No. 3

No. 7

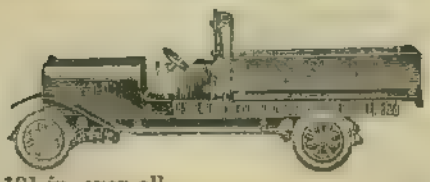
No. 53P

No. 56PG

No. 1—Erector, in a sealed carton 12½×8¾×1¾ in., complete with instruction book No. 1 w't 1¾ lbs . . . . . each $ 1.00
No. 3—Erector, in a sealed carton 18×10×1¾ in., complete with instruction book No. 1 w't 4 lbs. . . . . each 2.50
No. 4—Erector, leads them all; Assembled motor and big assortment of every essential Erector part; By specializing on this outfit the manufactures are able to offer the biggest toy value they have ever put out. THE SET THAT HAS MADE ERECTOR FAMOUS Packed in wooden box 22×8¾×2¾ in. Cardboard Tray; Cardboard cover with four color, varnished label; Powerful Erector motor all assembled; 12 in. girders; 6 in. girders; 3 in. girders; Gear Box side plates; Pulleys; Gears; Pinions; Right Angles; Acute Angles; Double Base Plate, etc., etc., Contains 64 page book of big models, each $5.00
No. 7—Erector, Packed in a stained wood box size 17×10×3 in., contains assembled electric motor with reversing and speed control attachments; Complete with instruction books No. 1 and 2; approx. w't 10 lbs. 4 oz. . . . . each $10.00
No. 53P—Two terminal battery motor, pressed steel base latest type tubular brush holders with copper gauze brushes; Operates on either battery current or by attaching to transformer, height 3¾ in. w't 14 oz. . . . . each $1.50
No. 56PG—The Universal Motor, operates on either alternating or direct current, 100 to 120 volts; Furnished with five-foot cord and plug; Motor finished in rubber enamel, black., height 3⅝ in; w't 3 lbs. . . . . each $5.00

STRUCTO TOYS

GIANT DUMP TRUCK

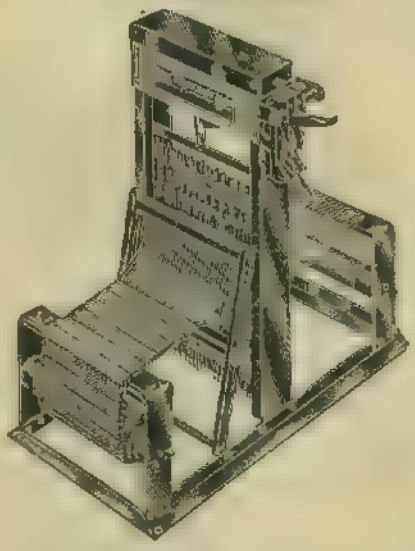


Length—18¾ in. over all.
Wheel Base—12¾ in.
Tread—5¾ in.
Engine—Triple unit motor, slow speed. Carries full load, runs smooth and steady. Has sliding gear transmission, forward and reverse speeds, special load dumping attachment.
Finish—Red and black.

No. 14—W't each 8½ lbs. .....each $11.00

ONE IN A BOX

ARTCRAFT LOOM



Made almost entirely of steel and finished in black and blue enamel. The Loom has two harnesses and the width of the Warp space is four inches. This makes it possible for one to weave runners, neckties, and a great many other attractive and beautiful articles in stripes and checks. The harnesses are operated by two semi-automatic shifting levers a device entirely new and distinctly of Structo design, and which adds greatly to one's ease in weaving.

The base frame of the Loom is 12¾ in. long, its width 6¾ in. and the height is 13 in. It comes with two Shuttles, a Draw-on Hook, and five feet of Warp and is neatly packed in a strong cardboard box with a complete instruction sheet.

Many beautifully combinations of color can be worked out on this Loom.

No. 60—W't each 4 lbs. .....each $6.60

ONE IN A BOX

STRUCTO BUILT-UP TOYS

ROADSTER

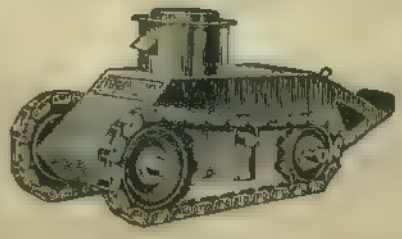
Has the long, low, racy, lines of the latest roadster.

10½ in. long, 8½ in. wheel base, 3½ in. tread. Equipped with artillery type wheels, white tire effect, red spokes, single unit Structo mechanical motor, powerful spring, with machine cut gears and substantial bearings. Auto travels long distance (built of steel solidly constructed) and may be guided in any direction with knuckle steering device.

No. 40—Finished in enamel of brilliant colors, red, trimmed with gold and black, w't each 2¼ lbs., each $3.00

ONE IN A BOX

WHIPPET TANK



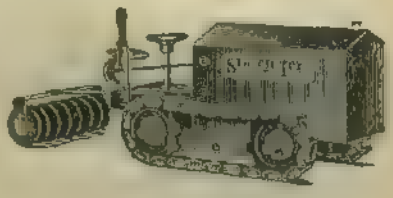
Designed like the famous Whippet Tank.

10½ in. long, 9½ in. wide, equipped with powerful slow speed motor, which drives the mechanical caterpillar smoothly over rugs, carpets or rough surfaces. Caterpillar traction has 2 in. sprocket in front and 1 in. sprocket in rear.

No. 48—Finished in French gray, trimmed with red and gold, w't each 3 lbs. $5.00

ONE IN A BOX

CATERPILLAR TRACTOR



Actually runs on caterpillar.

11½ in. long, 3½ in. tread, equipped with powerful Structo Motor, having controls speed of travel. Equipped with mechanical caterpillar, composed of individual links securely fastened together and travels over steel sprockets.

No. 44—Finished in brilliant colored green, trimmed with red and black, w't each 2½ lbs. $5.00

ONE IN A BOX

TRUCK

Length 10½ in., height 3½ in.
It is the duplication of regular trucks used by inter-city and transportation companies. It cranks in front like a regular truck. Equipped with wound spring coil drive which propels it at a good speed for a considerable distance.
No. 77P—Dozen.....$9.50

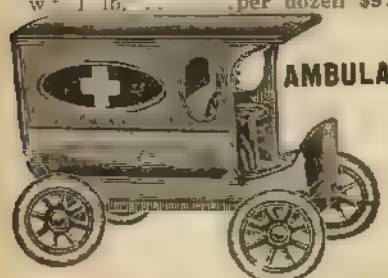
RACER

Length 9½ in., height 3½ in.
This is a duplicate of the sport racing car, cranking in front like the real thing. It is equipped with wound spring coil drive. Lithographed in clear, bright colors with adjustable front axle so that auto can travel in a circle.
No. 76P—Dozen.....$9.50

MAIL WAGON

Lithographed in bright, attractive colors, with lithographed driver. Improved and mechanically correct spring wound motor, substantially made of heavy material.
No. 78P—length 9½ in., height 5¾ in., w't 1 lb. .....per dozen $9.50

AMBULANCE

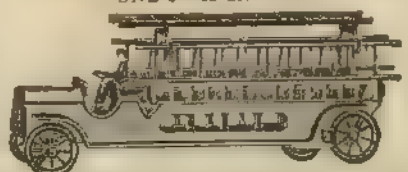


Length 9½ inches, height 5¾ inches.
A real Red Cross Ambulance, lithographed in the realistic white and red. Equipped with wound spring coil drive. Cranks in front like a real auto and will run for several minutes.
No. 74P—Dozen.....$9.50

HILL CLIMBING TOYS

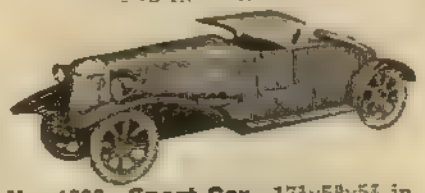
Made entirely of sheet metal, inclu ding the wheels, and equipped with full friction power motor.

No. 1—Locomotive, 26×6¾×5¼ in., red trimmed in yellow w't per doz. 50 lbs. .....per dozen $21.00
ONE IN A CARTON



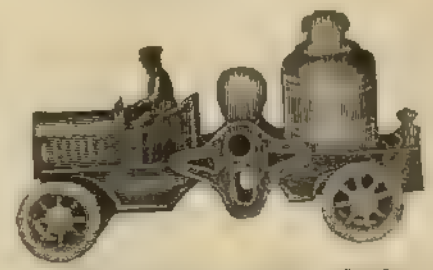
No. 4—Hook and Ladder, 21½×9×4¾ in., Equipped with three 15 in. ladders which can be attached to each other making a scaling ladder nearly four feet in height., w't per doz. 50 lbs. .....per dozen $21.00
ONE IN A CARTON

No. 7—Pay As You Enter Car, 23×7⅛×3⅝ in., brown, trimmed in red, w't per doz. 50 lbs., per dozen $21.00
ONE IN A CARTON



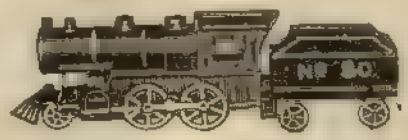
No. 1922—Sport Car—17½×5¾×5⅝ in., Finished in deep Mole Skin color, with cream colored wheels, gray runing board and trimmed in pale gold; w't per doz. 50 lbs., per dozen $21.00
ONE IN A CARTON

No. 23—Roadster, 13½×5½×4 in. blue, trimmed in yellow, w't per doz. 25 lbs. .....per dozen $14.40
ONE IN A CARTON



No. 40—Friction Fire Engine, 12×7½×4 in. red, trimmed in yellow, w't per doz. 25 lbs., per dozen $14 40
ONE IN A CARTON

No. 41—Friction Hook and Ladder, 12×6×4 in., gray body, red ladders and yellow wheels, w't per doz. 25 lbs. .....per dozen $14.40
ONE IN A CARTON



No. 80—Pony Locomotive, 17×4¾×3 in., red, trimmed in yellow, w't per doz. 25 lbs. .....per dozen $16.00
ONE IN A CARTON

No. 51—Friction Locomotive, 12×4×2¼ in., red, trimmed in yellow, w't per doz. 12 lbs., per dozen $8.00
ONE IN A CARTON

No. 52—Friction Truck, 10½×4½×3½ in., red, trimmed in yellow, w't per doz. 12 lbs. .....per dozen $8.00
ONE IN A CARTON

Suggesting Luxury Displaying Detail

Picturing Atmosphere

Expressing Beauty

Depicting Value

Portraying Strength

THESE are a few of the purposes served by St. Louis' Great Show Window

We have made them the titles of a series of interesting and enlightening folders, now ready for the mail.

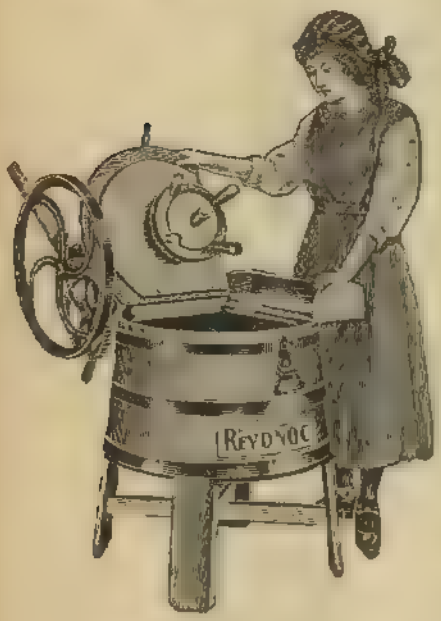
If you are not already on our mailing list, your name and address sent to us will bring this series.

St. Louis Globe-Democrat

Rotogravure Section

J. CARR GAMBLE, *Advertising Manager*

REVONOC HAND WASHERS



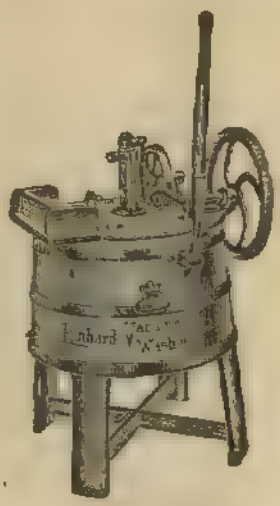
Easy Access to Tub.

Red Louisiana tub, grained, corrugated interior, double top, hinged cover, strong wringer attachment, double handle socket, cross braced legs, absolutely rigid.

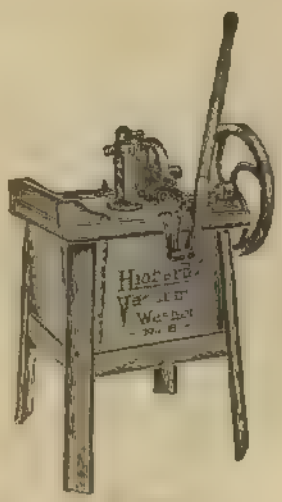
The REVONOC lever arrangement is such, that the machine, when full, may be operated by a child, and the motion is such, as not to grow tiresome when continued. The fly wheel makes seven revolutions to one down ward thrust of the lever. The compound gearing together with the rapid motion of the fly wheel insures a uniform and non-jerking operation of the machine. The top is made double which eliminates warping, and the metal parts are simple and strongly made.

No. W10 REVONOC—Height 30 in, width 23 in., diam. of fly wheel 19 in., w't per doz. 1080 lbs. .....each **$22.00**

HIBBARD BALL BEARING VACUUM WASHERS



No. W8.



No. W8.

Cold Rolled Steel Shafting, Best Quality Malleable and Gray Castings, and Brass Ferrules, Wood Parts of Selected Material, Natural Finish with Three Coats of Varnish, Metal Parts Finished in Bright Red Enamel Ornamented with Gold Bronze, Spiral Cut Gears, Extra Long Bearings on Counter Shaft.

The Hibbard is so designed that a small amount of effort will secure the maximum result in a very short time.

In use, hot suds are put in up to the marked water line together with the same quantity of clothes which are handled in the ordinary washer. The lid is closed, the lever set in motion and wh the plunger head comes above the water line, its chambers are filled with air which is forced out through the fibers of the clothes on the downward stroke. On the upward movement a vacuum is formed in the plunger which sucks the suds back through the garments with a force which brings out all the dirt at a remarkable speed. This vacuum system is rapidly gaining recognition as the most efficient method of cleaning.

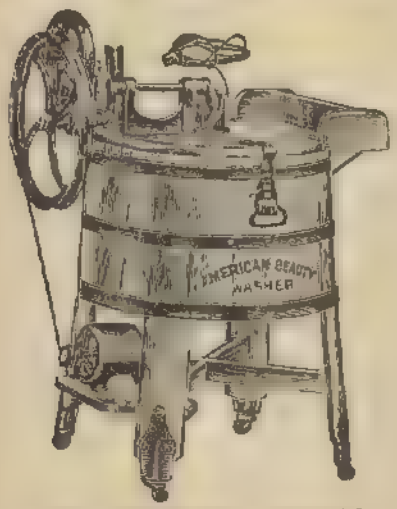
No. W8—Hibbard, Louisiana cypress tub, stave legs with cross braces, double lids, reinforced wringer bottoms, inside of bottom and sides corrugated, height 36 in., width at top 22 in., at bottom 24 in., depth of tub 12½ in., w't each crated 90 lbs., each **$27.00**

ONE IN A CRATE

No. W8—Hibbard, 26 gauge galvanized metal tub, double lids, hinged cover, legs braced with steel truss rods, height 36 in., width at top 22 in., at bottom 24 in., depth of tub 12½ in., w't each crated 90 lbs., each **$25 00**

ONE IN A CRATE

ELECTRIC WASHING MACHINES



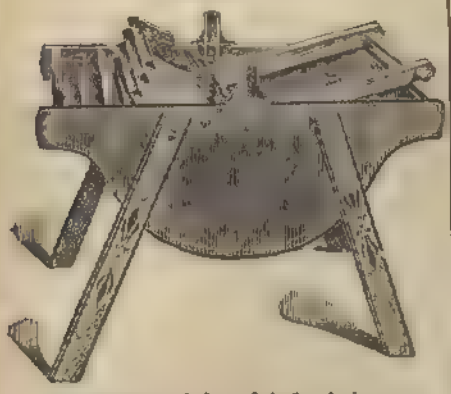
THE AMERICAN BEAUTY

Furnished with ¾ H. P. Standard motor 110 volt, either alternating or direct current. Cypress tub corrugated throughout. Geared to give the dolly 85 full ⅔ turns per minute. Ball bearing casters and 10 ft. cord with separable attachment plug, brass drain faucet.

With each machine an emergency lever is furnished, with which to operate it in an easy way if power for the moment is not available.

No. W17—Without wringer, w't crated 125 lbs. $60.70

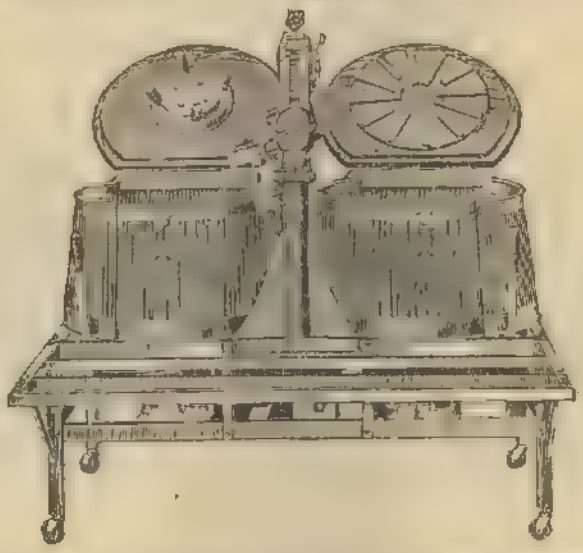
HAND POWER WASHING MACHINES



ADVANCE, kiln dried Arkansas cottonwood, height 24 in., length 33 in., width 21 in., galvanized iron bottom, with removable hardwood corrugated slats, hardwood cylinder and handle, galvanized iron socket guides, four hardwood bolted legs, w't per doz. 480 lbs.

No. W15—From stock, each $9 90

THE IMPROVED DOUBLE TUB Hibbard WASHING MACHINES



The improved HIBBARD Double Tub Electric Washing Machine excels all others. All parts entering into its construction are made of the highest quality material and workmanship, perfectly fitted, exceptionally strong and with proper care will last for many years. It is equipped with accurately cut **gears, completely enclosed,** and operating in hard oil which insures smooth running and prevents wear. This machine will do the work in just half the time of the single machine. Two batches of clothes can be washed at the same time or, if desired, one tub can be used for washing and the other for rinsing. **Tubs operate independently of each other.**

The wringer is mounted on a substantial post that is securely bolted to steel frame, is equipped with special lever that permits swinging and locking **of wringer in any desired position.**

The motor is splash proof type, especially designed for this machine, is full ¾ horse power which insures ample power to operate both tubs and wringer **at the same time.**

Machine is equipped with two wood dollies and one disk which are interchangeable. We recommend the disk for washing the finer pieces and the **dolly for the heavier garments.**

Each machine is furnished with folding bench for two extra tubs. When not in use the bench can be folded down entirely out of the way.

Illustration shows electric model, can also be furnished with flat faced pulley so that machine can be used in connection with gasoline engine.

No. F50—Electric, copper tub★ .....each $192 00

No. F149—Gasoline, copper tub★ .....each 150.00

Our reputation founded on over sixty-eight years' business stand back of the OHB brand.

All goods branded OHB are guaranteed to be of highest quality material and workmanship and free from imperfections.

In selling OHB articles there is a proit for you and satisfaction to your customers.

★ Items Marked Thus ★ Are Shipped From Factory Only.

The advertising lineage of the Sunpapers---

1922---29,016,436
1921---27,056,462

GAIN---*1,959,974*

And in circulation---

(Average net paid for 12 months.)

DAILY	SUNDAY
1922—229,158	1922—158,714
1921—215,697	1921—150,881
Gain	Gain
13,461	7,833

—all of which seems to indicate that all you need is a good newspaper.

EVERYTHING IN BALTIMORE REVOLVES AROUND

THE SUN

MORNING EVENING SUNDAY

JOHN B. WOODWARD
Times Bldg., New York.

GUY S. OSBORN
Tribune Bldg., Chicago

Electric Table, Boudoir and Desk Lamps

FITTED WITH 6 FEET OF SILK CORD AND ADJUSTABLE SOCKET PLUGS. PRICES, EACH.

TABLE LAMP

No. **9B200** Table Lamp. Two lights. Pull chain socket. Extreme height, 21 in. Height to shade, 13½ in. Diameter of shade, 17½ in. Bent ribbed glass tinted coral, green art metal base and frame in Lonbuda green finish. A big seller. Price **$25.80**

BOUDOIR LAMP

No. **9B201** Boudoir Lamp. Hand decorated shade ripple ribbed glass panels. Stand is finished in Ardus bronze and a very neat design. Height, 14½ in. diameter of shade, 8 in. Equipped with pull chain socket. Price. **$17.00**

ELECTRIC TABLE LAMP

No. **9B202** Table Lamp. Two lights. Extreme height, 21½ in. Diameter of shade, 16¼ in. Pull chain sockets. Base in cast metal with three graceful handles. Shade of art metal overlay with bent amber glass panels. The metal of the shade harmonizes exactly with the hues of the base. This lamp is finished in Lonbuda green and is slightly polychromed, which gives a beautiful effect. Price **$24.10**

TABLE LAMP

No. **9B203** Table Lamp. Two lights. Pull chain socket. Extreme height, 20½ in. Height to shade, 12½ in. Diameter of shade, 16 in. Bent glass panels, decorated ivory ribbed. A very attractive lamp at a low price. The rather plain base and frame in Ardus bronze is attractive. Price. . **$26.00**

ELECTRIC FIXTURES FOR THE HOME

Pages 720 to 724

TABLE LAMP

No. **9B204** Table Lamp. Two lights. Extreme height, 22 in. Diameter of shade, 16 in. Height to shade, 11 in. Pull chain socket. Cast metal base, Lonbuda green finish shade of amber glass, frame of art metal overlay. Price. **$27.00**

DESK LAMP

No. **9B205** Desk Lamp. Decorated ribbed glass shade overlaid with a beautifully designed art metal frame. Extreme height of lamp, 13¾ in. Shade measures 8½ in. long and 5 in. deep. Ardus bronze finish. Pull chain socket. Price. **$19.85**

TABLE LAMP

No. **9B206** Table Lamp. Two lights. Pull chain socket. Extreme height, 23 in. Height to shade, 14½ in. Diameter of shade, 14½ in. Decorated ribbed ivory panels. Base and frame beautifully finished in Mars green. Price. **$33.00**

Electric Table Boudoir and Desk Lamps

No. **9B125** A serviceable reading lamp. Has a six-section shade of specially selected amber opalescent glass, and is supported by a beautiful designed base. All metal parts are finished in Roman gold, a deep rich gold color with relief in a darker shade. One key socket and 6 ft. covered cord. Lamp 21 in. high and 16 in. shade. Each $17.00

ADJUSTABLE DESK OR PIANO LAMP

No. **9B123** Adjustable Desk or Piano Lamp with 12 in flexible arm. Solid brass parabola shade. Wired complete, silk cord and attachment with key socket, 6 ft plug. Finished in brushed brass and black. Each $6.38

ADJUSTABLE DESK LAMP

No. **9B122** Adjustable Desk Lamp 15 in high, brush brass finish Fitted with key socket, 6 ft silk cord and attachment plug. Has a solid brass parabola shade Each $5.88

No. **9B124** A popular lamp of a medium price is very practical. The shade has six curved panels of amber opalescent glass equipped with a fancy metal base. All metal parts have a gold with a green relief finish. Wired with one key socket, 6 ft covered cord Lamp is 21 in high and 16 in shade. Each $17.00

No. **9B116** Electric Table Lamp. Handsome cast neatic design overlaid on shade and lined with soft sunset effect glass, giving the whole a very beautiful effect. It is 23 in. high, shade 16 in. in diameter and has 2 pull chain sockets, 6 ft. cord and attachment plug. Finished in gold and green. Each..... $42.50

No. **9B119** Boudoir Lamp. Ivory finish with tinted flowers. Light blue art glass shade, 6¾ in. diameter Base all ivory finish Fitted with push socket 6 ft silk cord and attachment plug. Height 14 in Each $10.90

No. **9B118** Boudoir Lamp. Ribbed glass shade, orange color tinted all over, with hand painted floral decorations, finished in a pretty shade of brown. Height 14 in.; diameter of shade, 7½ in. Push button socket, 6 ft. of cord and attachment plug Each $13.90

No. **9B120** Handsome Boudoir Lamp. Height 15 in., diameter of shade 3 in. Art glass panels in amber Wired with push socket, cord and plug for electric Metal finished in old ivory Each $10.90

No. **9B126** Electric Table Lamp. This is one of our newest patterns. A very artistic design. Height, 21 in., diameter of shade, 18 in. Handsomely finished in brush brass and black. Shade is fitted with amber art glass. Fitted with 3-pull chain socket, 6 ft. of silk lamp cord and attachment plug. Each $21.50

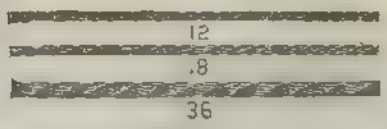
No. **9B128** An ornamental table lamp is a late creation and has an attractive base with a plain column and supports a very artistic overlaid metal shade, which is fitted with a rich amber color glass; metal parts are finished in Japbronze with green relief. Two-pull chain sockets and 6 ft. silk cord. Lamp is 24 in. high and shade 18 in. in diameter Price each $27.10

No. **9B127** Our most popular seller. The fancy cast base is of an unusual design and supports an overlaid metal shade which has eight panels of a selected green with a mixture of amber glass The finish of all metal parts are in brown tone with a green relief. Two-pull chain sockets and 6 ft. silk cord Lamp 24 in. high and 18 in. shade. Each..... $27.90

No. **9B115** Electric Table Lamp, Green and gold finish, 24 in. high. Amber art glass shade, 17½ in. diameter. Fitted with two pull chain sockets, 6 ft. silk lamp cord and attachment plug. Each. $25.10

No. **9B117** The general design of this beautiful lamp is supplemented by a new and most attractive finish of the metal parts known as French bronze The shade is fitted with selected amber glass, while the standard is one of the latest creations. Two-pull chain sockets and 6 ft. silk cord Lamp 22 in. high and shade 18¼ in in diameter. Each..... $23.50

FLAX WRAPPING TWINE



Cut Shows Full Size

HARD LAID
Fine Quality Standard Wrapping Twine
Dark Color, Extra Grade

Nos.	18BC	18½BC	36BC
Pound in a Ball	½	¼	½
Per Pound	$0.90	0.95	.85

3 lbs. in a Package; 168 lbs. in a Bale

TWINE BOXES

FOR BALLS

Black Japanned Cast Iron; Size Inside 4¼x4 inches; Diameter of Base 6½ inches.

Per Dozen
No. 57—Weight per Dozen 33 lbs.....$20.80
Twelfth Dozen in a Package

FOR BALLS

Japanned; Size 4½x3½ inches; Cam Fastening Wire Ring Swivel in Top.

Per Dozen
No. 6—Weight per Dozen 12 lbs.....$7.90
Half Dozen in a Box

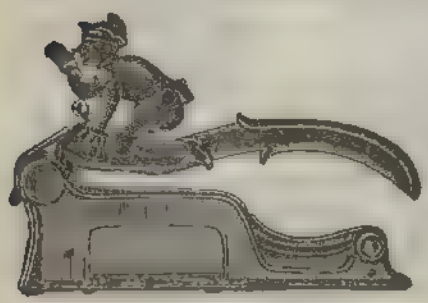
TWINE HOLDERS

FOR CONES OR TUBES

Black Japanned Cast Iron; Height 11 inches, Length of Base 6¼ inches.

Per Dozen
No. 207—Weight per Dozen 16 lbs.....$8.40
Loose

TOBACCO CUTTERS



Japanned Iron; Length 10⅝ inches; Width 3 inches; Height 7⅝ inches; Tempered Steel Knife; Takes Plug 2½ inches Wide.

Per Dozen
No. 2—Weight per Dozen 57 lbs.....$30.00
Twelfth Dozen in a Box

TOBACCO CUTTERS

STANDARD

With 6-inch Measuring Gauge

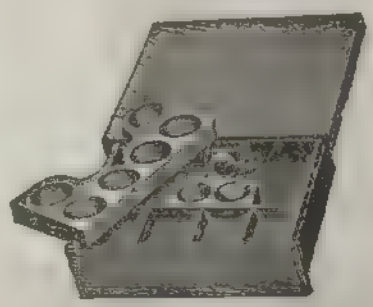
Black Japanned Cast Iron Frame, Red, Blue and Gold Decorated; Length 16⅛ inches; Width 3⅞ inches; Height 7 inches; Tempered Steel Knife; Sliding Cut; Takes Plug 3½ inches Wide.

Per Dozen
No. 10—Weight per Dozen 80 lbs.....$46.00
Twelfth Dozen in a Package

MONEY DRAWERS

Oak Front, Varnished, Gained Corners; Improved Lock, 32 Changes; Diameter Specie Bowls 3⅝ inches; Size Bill Spaces 3½x8 inches.

Per Dozen
No. 2—19 inches Wide; Depth 16⅛ inches; Height 4¾ inches; Weight per Dozen 160 lbs.....$168.00
Half Dozen in a Crate



Hardwood Front; Corners Strongly Secured; Improved Lock, 33 Changes; Diameter Specie Bowls 3⅝ inches; Size Bill Spaces 3¾x8¼ inches.

Per Dozen
No. 6—18 inches Wide; Depth 17⅛ inches; Height 4¾ inches; Weight per Dozen 125 lbs.....$90.00
Half Dozen in a Crate

Oak Front, Golden Oak Finish; Improved Lock, 33 Changes; Diameter Specie Bowls 3⅛ inches; Size Bill Spaces 2⅞x7 inches.

Per Dozen
No. 5—18½ inches Wide; Depth 18 inches; Height 4¾ inches; Weight per Dozen 125 lbs.....$72.00
Half Dozen in a Crate

SEALING MACHINES

STAR

Designed for Use in All Lines of Business, as it Accommodates Perfectly Any Width of Tape, Varying from ⅛ to 3 inches, and Contains About 1600 feet, Making it At All Times Ready to Seal Any Size Package at Minimum Cost.

The Moistening is Done Automatically by a Small Roller.

WHY YOU SHOULD HAVE A STAR SEALER

Because—

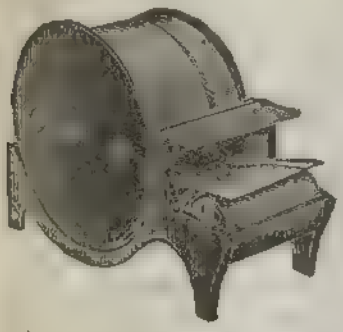
It saves seventy-five per cent of your twine bill,
It saves about one-third of your wrapping paper.
It saves about one-half the time required in wrapping and tying.

The package will not become open and scatter goods along the street, especially when carried by children, and claims are thereby prevented.

Your goods are protected, as a package cannot be opened and a part of the goods taken without breaking the seal.

The advertising feature is the greatest that has ever been presented to the business men of the country. For with the STAR SEALER we can give you 3,200 advertisements on your business and distribute them in the city or country without taking up one minute of your clerk's time, for the small sum of sixty cents, and in quantities for much less than that.

The moistening is done automatically by a small porcelain roller, revolving in a tank of water, which will not create an offensive odor, as in the case of the old-fashioned process of moistening by the use of a sponge.



Large Size, For Store and Factory Use

For Tape 1 to 3 inches; Brass Roller and Tension Knob, Vermilion Red Enameled Body, Black Enameled Discs; Lettered in Gold.

Provided with a Corrugated Metal Cutting Knife which is so arranged that all Dampened Tape is cut off. The Tape used is the Latest Improved and Gives no Offensive Odor as in the Case of Old-Fashioned Processes Utilizing a Sponge.

	Each
✣No. B—Without Tape; Length Over All 12 inches; Height 8½ inches; Width 5 inches; Weight Each 14 lbs.	$11 00

One in a Box

For Tape ⅛ to 1¼ inches. Porcelain Roller with Steel Bearings.

Base and Moistener Cup Are of Gray Iron; Discs which Hold tape in Position, and the Circular Top, are of Bessemer steel; the Thumb tension Knobs are Brass. Machine is Beautifully Enameled in Vermillion Red, with Discs Enameled in Black and Lettered in Gold. Holds Two rolls of Tape, each Roll in Separate Compartment under Tension. Provided with a Corrugated Metal Cutting Knife which is so arranged that all Dampened Tape is cut off. The Tape used is the Latest improved and Gives no Offensive Odor as in the case of Old-Fashioned Processes Utilizing a Sponge.

Length Over All 10½ inches; Height 8½ inches; Width 3 inches.

	Each
✣No. A—With Two Rolls of Plain Tape	$9 00
✣No. ADE—With Two Rolls of Tape with One Name	10 00

Weight Each 8 lbs. One in a Box

EXTRA TAPE FOR SEALING MACHINES

Plain Kraft Tape, Unprinted

Width, inches	⅛	¾	1	1¼
Feet in Roll	800	800	800	800
Per Roll	$0.38	.56	.74	.92

For White and Colored Tape, Unprinted, Add per Roll $0.25

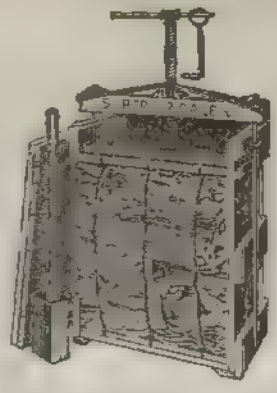
Printed Tape in One Color

Width, inches	Less than 2	Over 2
Per Roll	$1.40	1.90

Printed Tape in Two Colors

Width, inches	Less than 2	Over 2
Per Roll	$1.60	

WASTE PAPER BALERS



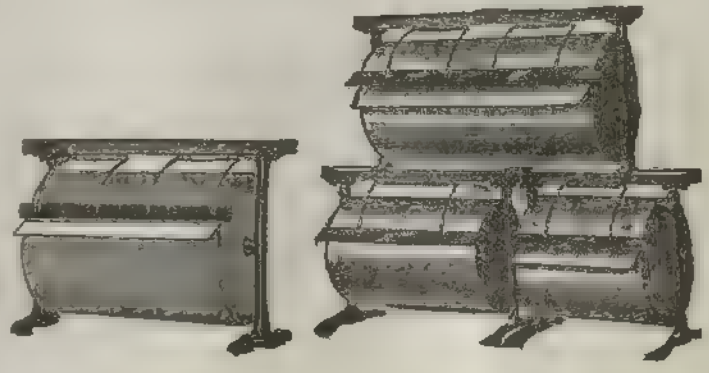
SUPERIOR

Cross-Beam Strengthened by Truss Rods Making Breakage Almost Impossible. Double Bottom Reinforced by Steel Rod Running from One End of Cross-Beam Entirely Under Baler and Back to the Other End of Cross-Beam, Thus, when Pressure is Applied, the Steel Rod Makes a Complete Support for the Bottom, which is the Weak Point in Most Balers.

The Superior Giant Steel Screw Applies Enormous Pressure, Making as Firm and Compact Bales as Possible with a Hand-Power Baler. The Cross-Beam and Screw are Held in an Upright Position, while Pressure is Being Applied, by Automatic Spring Locks. No Pins or Bolts to Bother with. A Thumb Pressure Releases these Locks, Allowing the Cross-Beam to Automatically Tilt Back, Leaving the Top Entirely Free and Open for Filling. Use Ordinary Baling Wire.

Nos.	✣3	✣30
Height of Baler, inches	48	48
Width of Baler, inches	34	34
Depth of Baler, inches	22	24
Size of Bale, inches	18x27x30	20x27x30
Weight of Baler, lbs.	165	195
Weight of Bale, lbs.	100 to 175	100 to 225
Each	$31.00	35.00

ROLL PAPER CUTTERS



★TRIUMPH

Any Combination Desired Can be Made; Cuts Show Various Widths and Methods of Combining, and do Not Represent any Particular Number.

No. T

Cast Iron Side Pieces, Japanned; Varnished Hardwood Top; Polished Steel Cutting Knife; Fastens to Counter with Screws.

WIDTHS AND WEIGHTS

Width, in.,	6	9	12	15	18	20	24	30	36
Weight, lbs.	5	5½	6	6½	7	7½	7¾	8¼	10½
Each		$3.40			3.60			3.80	

One in a Box

Items Marked ✣ Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory

ALBANY HARDWARE & IRON CO.

FRET SAW

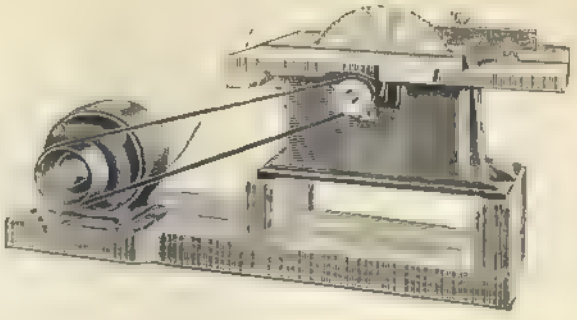
No. 387 Millers Falls

Cast iron frame, steel arbors, selected ash wood arm and pitman, emery and iron balance wheels, japanned tilting table, arm depth 18 inches. Capacity to ⅜ inch wood.

Can be equipped with ¼ H.P. motor, using ¼ inch belt. For sawing, 300-400 R.P.M., for turning, 1000-1200 R.P.M.

Packed, 1, Weight, 60 lbs. ..... each, **$17.75**

POWER BENCH SAW

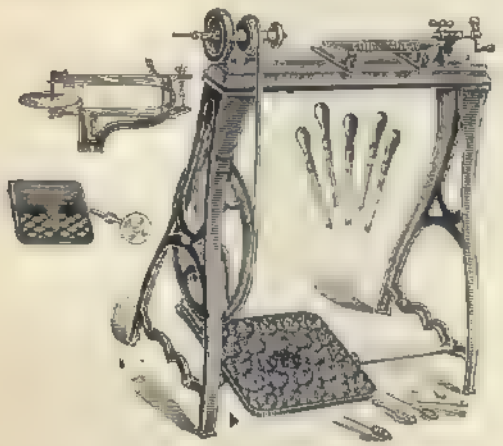


The Tobrin 8 Inch

Will rip, cross cut and mitre stock up to 2½ inches Table elevates for grooving and tilts 10 degrees for beveling, table is 14 x 16 inches, base is 6½ x 13½ inches, height 7 inches, ¼ H.P. 110 volt, 60 cycle A.C. motor. With 10 ft. of cord. Speed of motor 1750 R.P.M. Saw 4500 R.P.M.

Packed, 1, Weight, 85 lbs. ..... each, **$75.00**

COMBINATION LATHE AND SCROLL SAW

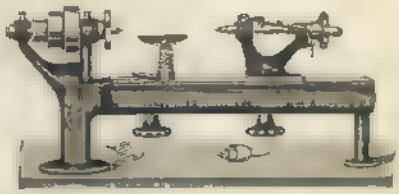


No. 317 Goodell

Lathe only, 5 inch swing, 14 inches between centers Two grooves on cone wheel drive pulley, for two speeds. Two inch face plate with screw and spur centers for turning cups. Screw feed tail. Equipped with 3 jaw drill chuck, holding up to ¼ inch round shank drills; long and short tool rests; 4x¾ in. emery wheel; 5 turning tools; wrench and drill points.

Packed, 1, Weight, 71 lbs. ..... each, **$26.00**

BENCH LATHE

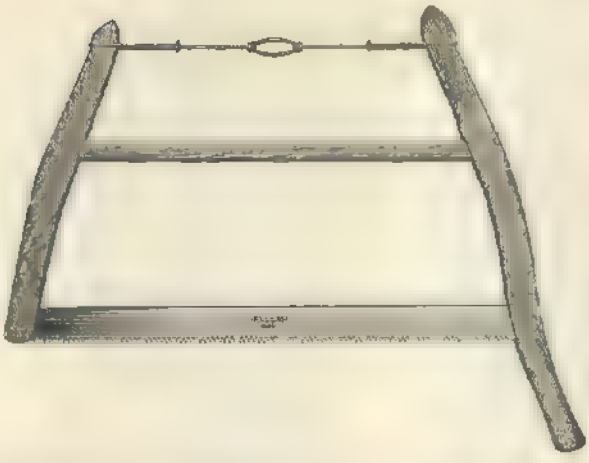


No. 125 Goodell-Pratt

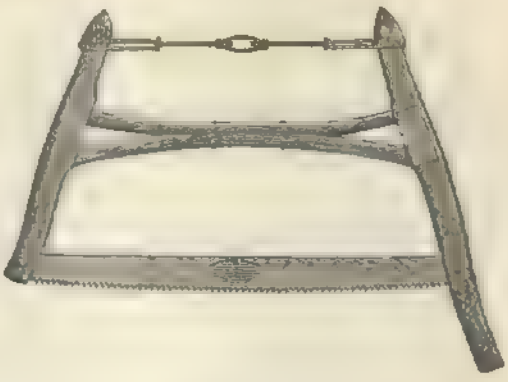
Working parts polished, balance black and red enamel, cone to take up wear in live spindle, with No. 1 Morse Taper Socket Screw and lever feed in tail stock, with No. 0 Morse Taper Socket. 1½, 2½ and 3½ inch steps on cone pulley. Equipped with: tee rest, slotted face plate, saw arbor, No. 1 Morse Taper Shank Drill Chuck. Length 25 inches, height 11½ inches, swing 7 inches, 12 inches between centers.

Packed, 1, Weight, 42 lbs. ..... each, **$40.00**

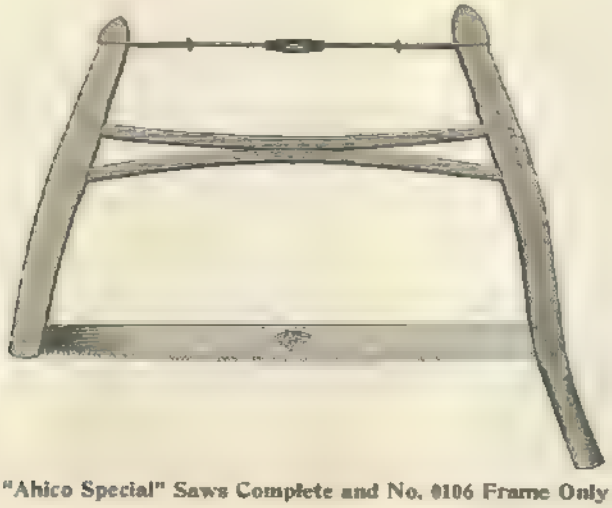
WOOD SAWS



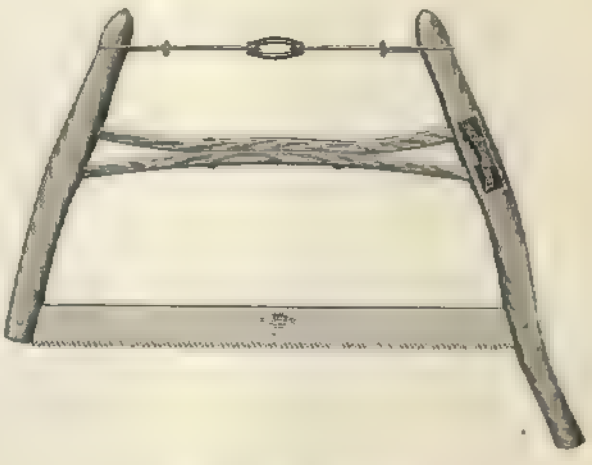
"Dauntless" Saws Complete and Nos. 0107 and 0108 Frames Only



No. 426 Disston Saws Complete



"Ahico Special" Saws Complete and No. 0106 Frame Only



"Ajax" Saws Complete

WOOD SAWS AND FRAMES

Folding Saw Bucks

No. or Name	Frame	Blade	Packed	Weight	Per Doz.
Dauntless	red	30 in.	½ doz.	30 lbs.	**$18.00**
426	red, var.	30 in.	½ doz.	30 lbs.	**21.00**
Ahico Special	red, var.	30 in.	½ doz.	30 lbs.	**20.00**
Ajax	varnished	30 in.	½ doz.	32 lbs.	**21.00**
0107 Frame	red	none	½ doz.	20 lbs	**10.00**
0108 Frame	natural	none	½ doz.	21 lbs	**8.00**
0106 Frame	red, var.	none	½ doz.	23 lbs.	**12.00**
Saw Buck	natural	none	⅓ doz.	35 lbs.	**12.00**

BUCK SAW RODS

22 in. Disston's Clipper

Packed, one doz., weight, 5½ lbs. . . . . per doz., **$3.00**

PIPE WRENCHES

TRIMO

Steel Handle

Size	Pipe	Handle	Packed	Weight	Each
6 in.	⅛ to ½	Steel	6	3 lbs.	$2.00
8 in.	⅛ to ¾	Steel	6	5 lbs.	2.25
10 in.	⅛ to 1	Steel	6	10 lbs.	2.50
14 in.	¼ to 1½	Steel	6	19½ lbs.	3.50
18 in.	¾ to 2	Steel	6	32 lbs.	5.00
24 in.	¼ to 2½	Steel	1	8 lbs.	7.25
36 in.	¾ to 3½	Steel	1	16 lbs.	13.50

TRIMO WRENCH MOVABLE JAWS

Size	Weight	Each
6 in.	⅛ lb.	$0.75
8 in.	¼ lb.	.80
10 in.	½ lb.	.85
14 in.	¾ lb.	1.15
18 in.	1⅜ lbs.	1.75
24 in.	3 lbs.	2.25
36 in.	4 lbs.	4.35

LAWSON

Steel Handle

Size	Wire	Pipe	Packed	Weight	Each
8 in.	⅛ in. to	¾ in.	1	1 lb.	$2.25
10 in.	⅛ in. to 1	in.	1	1¾ lbs.	2.50
14 in.	¼ in. to 1½	in.	1	3¾ lbs.	3.50
18 in.	¼ in. to 2	in.	1	5¼ lbs.	5.00

SPARTAN

Chain

No.	Size	Pipe	Packed	Weight	Each
10	14 in.	⅛-¾	1	1¾ lbs.	$5.00
11	20 in.	⅛-1½	1	5¾ lbs.	7.80
12	27 in.	¼-3	1	10 lbs.	10.00
13	37 in.	⅜-4	1	16 lbs.	14.00
13½	45 in.	¾-6	1	24 lbs.	18.00

GENUINE STILLSON

No. 2821 Wood Handle

No. 2824 Steel Handle

Size	Pipe	Handle	Packed	Weight	Each
6 in.	⅛ to ½	Wood	6	3 lbs.	$2.00
8 in.	⅛ to ¾	Wood	6	4½ lbs.	2.25
10 in.	⅛ to 1	Wood	6	9½ lbs.	2.50
14 in.	¼ to 1½	Wood	6	19 lbs.	3.50
14 in.	¼ to 1½	Steel	6	19 lbs.	3.50
18 in.	¼ to 2	Steel	6	27 lbs.	5.00
24 in.	¼ to 2½	Steel	6	48 lbs.	7.25
36 in.	¼ to 3½	Steel	1	15 lbs.	13.50
48 in.	1 to 5	Steel	1	25 lbs.	20.00

STILLSON WRENCH PARTS

	Movable Jaws		Nuts	
Size	Weight	Each	Weight	Each
6 in.	⅛ lb.	$0.75	¼ oz.	$0.12
8 in.	¼ lb.	.80	¼ oz.	.15
10 in.	½ lb.	.85	½ oz.	.20
14 in.	⅞ lb.	1.15	1 oz.	.30
18 in.	1⅜ lbs.	1.75	3 oz.	.35
24 in.	2¼ lbs.	2.25	4 oz.	.55
36 in.	4½ lbs.	4.35	10 oz.	1.10
48 in.	6½ lbs.	7.50	12 oz.	1.50

BONNEY STILLSON WRENCHES

Forged from tool steel, parts are interchangeable.

All sizes up to and including 18 inch are made in both wood and steel handles. The larger sizes have steel handles only

Size	For Pipe	Packed	Weight	Each
6 in.	⅛ to ½ in.	1	¼ lb.	$2.00
8 in.	⅛ to ¾ in.	1	⅝ lb.	2.25
10 in.	⅛ to 1 in.	1	1⅛ lbs.	2.50
12 in.	¼ to 1¼ in.	1	2¼ lbs.	3.25
14 in.	¼ to 1½ in.	1	2⅞ lbs.	3.50
18 in.	¼ to 2 in.	1	4¼ lbs.	5.00
24 in.	¼ to 2½ in.	1	7⅜ lbs.	7.25
36 in.	¼ to 3½ in.	1	14⅜ lbs.	13.50

CRESCENT WRENCHES AND PARTS

No.	Size	Capacity	Weight	Per Doz.
A 14	4 in.	½ in.	⅜ lb.	**$ 7.80**
A 16	6 in.	¾ in.	⅝ lb.	**7.80**
A 18	8 in.	1⅛ in.	⅝ lb.	**9.60**
A110	10 in.	1⅜ in.	1⅜ lbs.	**12.00**
A112	12 in.	1⅝ in.	2 lbs.	**18.00**
A115	15 in.	1⅞ in.	4⅛ lbs.	**27.00**
A118	18 in.	2⅛ in.	7 lbs.	**39.00**

Polished

No.	Size	Capacities	Weight	Per Doz.
B146	4- 6 in.	½ & ¾ in.	⅜ lb.	**$13.20**
B168	6- 8 in.	¾ & 1⅛ in.	⅝ lb.	**15.00**
B1810	8-10 in.	1⅛ & 1⅜ in.	1⅝ lbs.	**18.00**
B11012	10-12 in.	1⅜ & 1⅝ in.	2¼ lbs.	**24.00**

Auto

No.	Size	Capacity	Weight Each	Per Doz.
019	9 in.	3 in.	⅞ lb.	**$ 9.00**
0111	11 in.	2⅞ in.	1½ lbs.	**15.00**

All of above wrenches packed 1 in a box

REPAIR PARTS

For Single and Double End Wrenches

Jaws			Thumb Screws		
No.	Size	Each	No.	Size	Each
A14J	4 in.	**$0.25**	**A14K**	4 in.	**$0.10**
A16J	6 in.	**.25**	**A16K**	6 in.	**.10**
A18J	8 in.	**.30**	**A18K**	8 in	**.12**
A110J	10 in.	**.40**	**A110K**	10 in	**.15**
A112J	12 in.	**.60**	**A112K**	12 in.	**.25**
A115J	15 in.	**.85**	**A115K**	15 in.	**.35**
A118J	18 in	**1.15**	**A118K**	18 in.	**.55**

Pins			Springs		
No.	Size	Each	No.	Size	Each
A14P	4 in.	**$0.05**	**A14S**	4 in.	**$0.05**
A16P	6 in.	**.05**	**A16S**	6 in.	**.05**
A18P	8 in	**.05**	**A18S**	8 in.	**.05**
A110P	10 in.	**.05**	**A110S**	10 in.	**.05**
A112P	12 in.	**.10**	**A112S**	12 in.	**.05**
A115P	15 in.	**.10**	**A115S**	15 in.	**.05**
A118P	18 in.	**.10**	**A118S**	18 in.	**.05**

CRESCENT WRENCH ASSORTMENT

No. DB3 Assortment

Composed of 6, No. A14 wrenches. Mounted on 8½x11½ heavy cardboard display board with easel back

No.	Wrench Size	Packed	Weight	Per Asst.
DB3	4 in.	1	1½ lbs.	**$3.90**

COES WRENCHES

Knife Handle

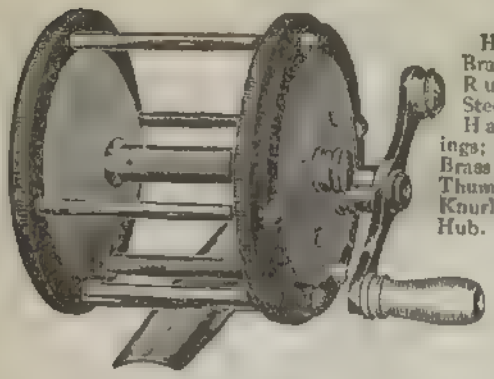
Size	Opening	Packed	Weight	Per Doz.
6 in.	⅝ in.	½ doz.	4½ lbs.	**$15.00**
8 in.	1⅞ in.	½ doz.	8 lbs	**18.00**
10 in.	1⅝ in.	½ doz.	13 lbs.	**22.00**
12 in.	2⅜ in.	½ doz.	20 lbs.	**28.00**
15 in.	2⅞ in.	⅓ doz.	19 lbs.	**38.00**
18 in.	3⅝ in.	⅓ doz.	25½ lbs	**48.00**
21 in.	4 in.	⅓ doz.	35 lbs.	**58.00**

AGRICULTURAL WRENCHES

Size	Opening	Packed	Weight	Per Doz.
6 in.	1 in.	½ doz.	4 lbs.	**$10.80**
8 in.	1⅜ in.	½ doz.	7¾ lbs.	**12.00**
10 in.	1⅞ in.	½ doz.	11½ lbs.	**14.00**
12 in.	2 in.	½ doz.	14 lbs.	**17.00**

FISHING REELS

*TRIUMPH



Heavy Nickel Plated Brass Frame; Hard Black Rubber Side Plated; Steel Axle Running in Hardened Brass Bearings; Phosphor Bronze Gear; Brass Handle with White Thumb Piece Steel Click; Knurled Oil Caps and Handle Hub.

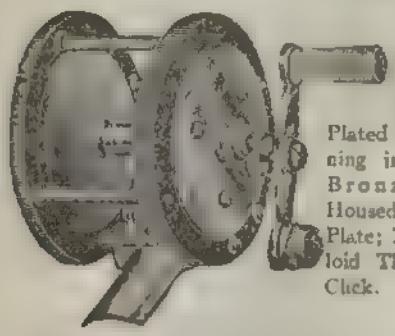
Capacity, 60 yards; Diameter of Plates, 2¾ inches; Length of Spool, 1⅝ inches.

Per Dozen

No. TR60—Triple Action; Actual Weight Each, 7 ozs.; Shipping Weight per Dozen, 6¾ lbs. $96 00

Twelfth Dozen in a Box

*ULTRA



Fancy Hard Black Rudder Plates Reinforced by Solid Brass Flange, Nickel Plated and Polished; Brass Spool Nickel Plated and Polished; Steel Axles Running in Hard Brass Bearings; Hard Bronze Gear; Steel Pinion; All Housed in Recesses Cut in Rubber End Plate; Brass Balance Handle with Celluloid Thumb Piece; Back Sliding Steel Click.

Capacity, 80 yards; Diameter of Plates, 2¼ inches; Length of Spool, 1⅛ inches.

Per Dozen

No. UTJ—Double Action; With Large Ruby Jeweled Oil Caps; Knurled; Actual Weight Each, 6 ozs.; Shipping Weight per Dozen, 4½ lbs. $80 00

Twelfth Dozen in a Box

*DIAMOND TROUT

All Brass, Nickel Plated and Polished; Raised Pillars; Steel Axles Running in Hard Brass Hubs; Balance Handle with Ebony Thumb Piece; Oil Cap; Back Sliding Steel Click; Knurled Oil Cap.

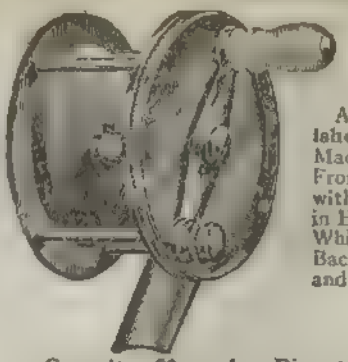
Capacity, 60 yards; Diameter of Plates, 1⅝ inches; Length of Spool, 1 inch.

Per Dozen

No. DT60—Single Action; Actual Weight Each, 4 ozs.; Shipping Weight per Dozen, 4 lbs. $27 00

Twelfth Dozen in a Box

FISHING REELS



*TRIUMPH

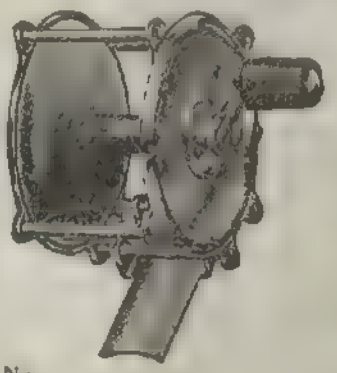
All Brass, Nickel Plated and Polished; Plates and Spool Accurately Machined from Solid Brass Bars; Sunk Front Plate to Prevent Tangling of Line with Handle; Large Steel Axles Running in Hard Brass Hubs; Balance Handle with White Bone Thumb Piece; Oil Cap; Back Sliding Steel Click; Knurled Discs and Oil Cap.

Capacity, 60 yards; Diameter of Plates, 2¼ inches; Length of Spool, 1⅜ Inch.

Per Dozen

No. TT60—Single Action; Actual Weight Each, 5 ozs.; Shipping Weight per Dozen, 5¼ lbs. $33 00

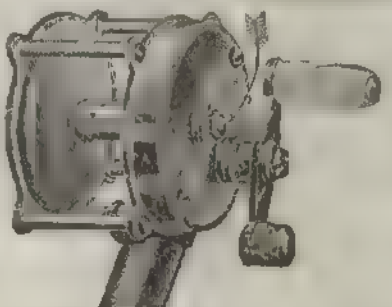
Twelfth Dozen in a Box



Brass; Nickel Plated; Riveted; Raised Pillars; Ebony Thumb Piece; Permanent Click, End Plate and Bearings in One Piece.

No.	SNC60
Capacity, Yards	[illegible]
Plates, Inches	2¼
Pillars, Inches	1
Weight per Dozen, Lbs.	2¾
Per Dozen	$7.00

Twelfth Dozen in a Box



All Brass; Nickel Plated and Polished; Raised Pillars; Large Axle Running in Hard Brass Hubs; Hard Brass Gear and Pinion; Balance Handle with White Bone Thumb Piece; Large Ruby Jeweled Oil Cap, Back Sliding Click and Drag; Knurled.

Capacity, 60 yards; Diameter of Plates, 1⅞ inches; Length of Spool, 1⅜ inch.

Per Dozen

No. JDX60—Quadruple Action; Actual Weight Each, 5 ozs.; Shipping Weight per Dozen, 5 lbs. $33.00

Twelfth Dozen in a Box

RAINBOW

For Trout or Bass Fishing

Made of a Special Alloy Which Combines Lightness and Strength; Frame and Reel Seat Strong and Rigidly Constructed; Hardened and Tempered Steel Click Wheel and Spring; Phosphor Bronze Bearings; Runs True and Smooth Under All Conditions; Every Part is Instantly Accessible for Oiling and Cleaning; Dull Black Finish; German Silver Trimmings; Ivoroid Handle.

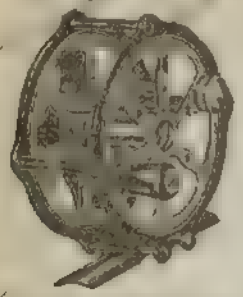
Capacity, 35 yards; Diameter, 2⅛ inches; Width, ¾ inch.

Per Dozen

No. R—Single Action; Actual Weight Each, 3¼ ozs.; Shipping Weight per Dozen, 2¼ lbs. $84.00

Twelfth Dozen in a Box

FISHING REELS



★DIAMOND BRAND

Very Practical High Class Single Action Casting Reel; Very Light in Weight; The Holes in the Spool and Frame Insure Light- [illegible] ut the Line to Dry Quickly; Has Ac[illegible]- Back Sliding Click; Outside Frame Finished in Dull Black; Inside is Polished Nickel Finish

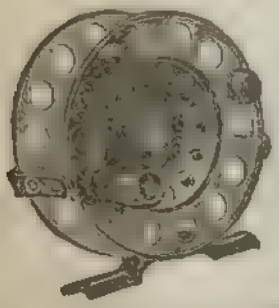
Per Dozen

No. D4—Capacity, 40 yards; Weight per Dozen, 4 lbs..... $30 00

No. D6—Capacity 60 yards; Weight per Dozen, 4½ lbs..... 36 00

No. D8—Capacity, 80 yards; Weight per Dozen, 5 lbs..... 39 60

Twelfth Dozen in a Box



★DIAMOND BRAND

Made of Brass, Black Japanned Finish; Steel Bearing; Wood Handle; Metal Ball Balance; Two Line Sleeves with Loose Ring Line Guides; Frame and Base All One Piece; Stamped Metal.

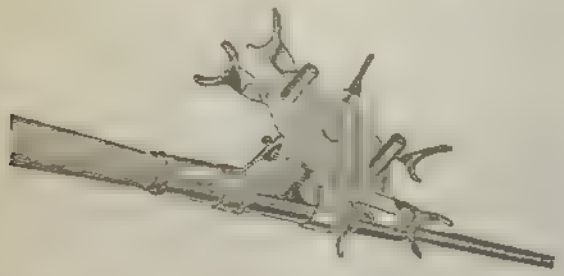
Capacity, 25 yards; Diameter of Spool, 2¼ inches; Width of Spool, 1 inch.

Per Dozen

No. 75—Single Action; With Click; Weight per Dozen, 1½ lbs $18.00

Half Dozen in a Box

MONARCH



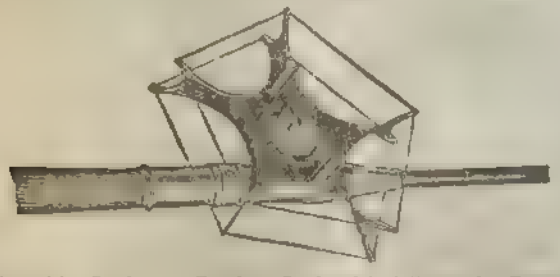
Large Size; Single Action Bait Casting Reel; Brass Nickel Plated; One Piece Metal with Twisted Line Hole Plate, 3¾ inches in Diameter; Line Holders, 1 inch Wide; Double Grip; Has Recessed Axle.

Per Dozen

No. 125—Capacity, 80 yards; Weight per Dozen, 6 lbs..... $72.00

Twelfth Dozen in a Box

N. S. ADJUSTABLE



Adjustable Skeleton Casting Reel with Adjustable Base; Brass Nickel Plated; Single Plate, 6¼ inches in Diameter; Line Holders, ¾ inch Wide; Entire Reel Bound with Wire Line Protectors, Rubber Tipped; Sh[illegible] Larger Size; This is Acknowledged the best Reel of its Class on the Market.

Per Dozen

No. 150—Weight per Dozen, 0¾ lbs..... $90 00

Twelfth Dozen in a Box

FISHING REELS

★DIAMOND BRAND

SINGLE ACTION

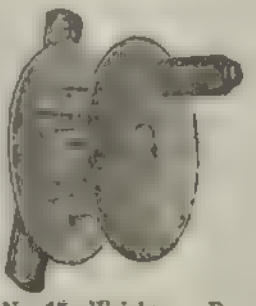
Diameter of Plate, 2½ inches; Width of Spool, ¾ inch; Line-Carrying Capacity, 60 yards; To Attach to Top or Bottom of Rod; Made of Cold Rolled Sheet Steel.

Per Dozen

No. 25—Weight per Dozen, 3 lbs..... $7 20

No. 50—With Click; Stamped Sheet Steel Throughout, Bright Finish, Diameter, 2½ inches; Width, ¾ inch; Capacity, 60 yards; Weight per Dozen, 2½ lbs.....10 80

One Dozen in a Box



★DIAMOND BRAND

SINGLE ACTION

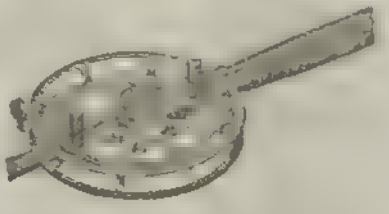
Diameter of Plate, 2⅛ inches; Width of Spool, ⅛ inch; Line-Carrying Capacity, 25 yards; Made of Stamped Cold Rolled Sheet Steel, To Attach to Side of Rod.

Per Dozen

No. 15—Weight per Dozen, 1½ lbs.....$3.30

One Dozen in a Box

GO-ITE



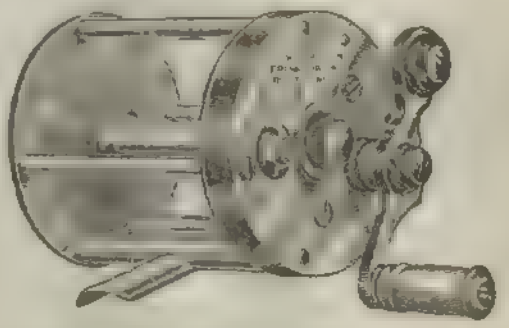
Large Type Made of Aluminum; One Piece Wheel; Offset Reel Seat; Anti-Back Lash; Equipped with Tension Nut and Spring Housing for Adjusting; Has Direct Agate Line Guide; One Turn of the Wheel Takes Up 14 inches of Line.

Per Dozen

No. 175—Capacity, 80 yards; Weight Each, 6 ozs.; Weight per Dozen, 6 lbs..... $[illegible]

Twelfth Dozen in a Box

MILAM RUSTIC



Made of German Silver; Hardened and Polished Brass Shaft; Hardened Steel Axles; Pinions and Pivots are Made of Best Tool Steel; German Silver Balance; Handle with Ivory Thumb Piece; Back Sliding German Silver Click and Drag, Knurled Discs, Oil Caps and Handle Hub.

Capacity, 80 yards; Diameter of Plates, 2 inches; Length of Spool, 1⅞ inches.

Each

No. 30—Quadruple Action; Actual Weight Each, 7 ozs.; Shipping Weight per Dozen, 6⅝ lbs.....$18 00

One in a Box

FISHING FLOATS

EGG SHAPE

Wood; Painted in Two Colors, Assorted Green and White, and Red and Green; Wood Stick Top, with Brass Spring Line Holder; Wood Stick Bottom, with Brass Spring; Wire Line Guide.

Nos.	WE1¾	WE2¼
Length inches	1¾	2¼
Weight per Dozen, ozs.	5	9
Per Dozen	$0.60	1.20

BARREL SHAPE

Otherwise Same as Above

Nos.	WB2½	WB3½
Length, inches	2½	3½
Weight per Dozen, ozs.	12	16
Per Dozen	$1 00	1.50

One Dozen in a Box

TROLLEY FISHING OUTFITS

TROLLEY SINKERS

The Best Trolley Made; Can be Opened by Steadily Pressing Lever in and Then Pushing Sideways; Has Three Brass Pulleys; the Middle Pulley Catches Line Below When Pulling Up, thus Preventing Line from Cutting in Corner of Fork and Saving the Line.

Per Dozen

No. T7—Triple Trolley; Weight Each, 8 ozs.; Weight per Gross, 90 lbs $9.60

One Dozen in a Box

TROLLEY SINKERS

Per Dozen

No. T2—With Brass Fork and Brass Pulley; Weight Each, 4½ ozs.; Weight per Gross, 48 lbs $4.50

One Dozen in a Box

ALARM BELLS

To be Used for Throw Line or Trolley Fishing from a Boat or Pier.

Per Dozen

No. AB—Length, 7½ inches; Metal Base with Screw; Upright Steel Spring with Spring Wire Coil to Fasten to Line; Weight per Gross, 9 lbs. $1 50

Two Dozen in a Box

TROLLEY FISHING OUTFITS

WAGNER

Trolley Fishing is Well Known by All Lake Fishermen; It is the Best Fishing from Pier or Boat or a High Place Beside a River; It is Done by Throwing Out a Heavy Line with an Automatic Anchor Attached to the End; When Anchor Has Caught, Pull Line as Tight as Possible, then Fasten to a Stick or Tree; Then Let Trolley Run Out in This Line with a Regular Fishing Line and as Many Hooks as You Like. (See Illustration.) Attached to an Alarm Bell Gives You a Chance to Use More Trolleys and a Rod.

AUTOMATIC ANCHORS

For Trolley Fishing, Anchoring Small Boats, When Hunting or Fishing; Also Anchoring Decoys.

Throwing Out This Anchor Opens it Automatically; To Haul in, Pull Line Tight and Let Go at Once, This Will Loosen Anchor and Close it Automatically So it Can be Hauled in Easily

Per Dozen

No. AC—Made of Malleable Iron with Steel Folding Wires; Length Over All, 6¼ inches; Weight Each, 14 ozs.; Weight per Gross, 143 lbs $8 00

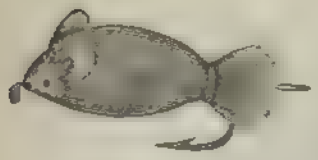
One Dozen in a Box

OUR SALESMAN IN YOUR TERRITORY CAN ONLY BE AT ONE PLACE AT A TIME, BUT EVERY ONE OF OUR CUSTOMERS CAN SEND US ORDERS BY MAIL EVERY DAY AND GET THE SAME SATISFACTORY SERVICE AS THOUGH THEY WERE PLACING THE ORDER IN PERSON WITH HIM.

WE ARE HERE ALL THE TIME, WAITING FOR YOUR ORDER. TRY US WITH AN ORDER BY MAIL EVERY TIME YOU CAN MAKE UP A FREIGHT SHIPMENT. ALSO SEND YOUR SMALLER SPECIAL ORDERS FOR PARCEL POST OR EXPRESS SHIPMENT. YOU WILL BE SURPRISED HOW EASY IT IS TO KEEP YOUR STOCK COMPLETE, AND HOW FEW SALES YOU WILL MISS.

CASTING BAITS

TUTTLE



DEVIL BUG MICE

Bodies Made of the Very Best Quality Obtainable; Tied on Flatted Sproat Hooks; Size 2/0 and 3/0; Has the Natural Apperance of a Mouse.

Per Dozen

No. ME—Tied on Eye Hooks; Weight per Dozen, ½ lb..... **$13 50**

No. MS—Tied on Snelled Hooks; Weight per Dozen, ½ lb..... **13 60**

Twelfth Dozen in a Box

DEVIL BUGS

Consistent Bass Catchers in All Waters Especially Good for Night Fishing; Best Quality Bodies Tied on 1/0 and 3/0 Sproat Hooks, Assorted Patterns.

Per Dozen

No. ABF—Tied on Eye Hooks; Weight per Dozen ½ lb **$10 80**

No. ABS—Tied on Snelled Hooks; Weight per Dozen, ½ lb..... **10 80**

One Dozen in a Box

DEVIL BUGS

This Trout Bug has Proven an Exceptionally Good Lure; Made of the Best Quality Body with Wings; Size of Hooks 3, 6 and 8; Assorted Patterns.

Per Dozen

No. ATE—Trout Bug Tied on Eye Hooks; Weight per Dozen, ¼ lb. **$9 00**

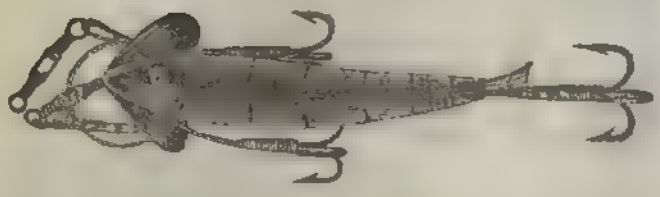
No. ATS—Trout Bug Tied on Snelled Hooks; Weight per Dozen, ¼ lb..... **9 00**

One Dozen in a Box

PHANTOM MINNOWS

★RIVULET

Genuine Scotch

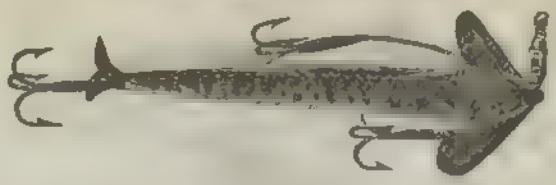


Genuine Porpoise Hide; Oiled Waterproof Assorted Colors; Life Like Minnow Head; Twisted Bronzed Mackerel Steel Wire Leaded; Three Hollow Point Bright Treble Hooks, Copper Wire Bound; Two Brass Box Swivels.

Nos.	RMW4	RMW5	RMW6	RMW7	RMW8
Length, inches	3¼	3½	3⅞	4¼	4½
Weight per Dozen, ozs.	9	13	24	28	32
Per Dozen	$33 00	33 00	36 00	42 00	48.00

Twelfth Dozen in a Box; Half Dozen in a Transparent Cover Carton

PHANTOM MINNOWS



AMERICAN

Silk Body, Oiled; Waterproof Assorted Colors: Silver, Brown and Blue; Life Like Minnow Head; Three Spear Point Bronzed Treble Hooks, Silk Bound; One Brass Box Swivel.

Nos.	AP1	AP2	AP3	AP4
Length, inches	1¾	2⅛	2⅝	3
Weight per Dozen, ozs.	½	½	½	¾
Per Dozen	$12 00	13 50	13 50	14 40

Nos.	AP5	AP6	AP7	AP8
Length, inches	3⅛	3½	3¾	4
Weight per Dozen, ozs.	¾	1	1½	1¾
Per Dozen	$14 40	16 00	18 00	18 00

Twelfth Dozen in a Box; One Dozen in a Carton

IMITATION PORK BAIT

Per Dozen

No. SRB—Silver Rubber, With Red Head; Length Over All, 3¼ inches; Weight per Gross, ½ lb..... **$1.00**

One Gross in a Box

FOSS PORK RIND SPINNERS

SHIMMY WIGGLER

All Brass, Nickel Plated; One A1 Foss Buck Tail Streamer and One Hook Furnished with Each

Per Dozen

No. SW5—With No. 3/0 Hook; Length, 3¼ inches; Weight per Dozen, 8 ozs..... **$20 40**

No. SW6—With No 1/0 Hook; Length, 3¼ inches; Weight per Dozen, 12 ozs..... **20 40**

One in a Box

DO NOT GET THE REPUTATION OF BEING "JUST OUT" OF GOODS. THERE IS NO NEED OF IT IF YOU USE OUR SPLENDID MAIL ORDER SERVICE.

IT IS HARD TO CONFESS TO A CUSTOMER, "I'M JUST OUT." KEEP A CLOSE WATCH OF YOUR STOCK, ORDER BY MAIL AND SAVE YOURSELF THIS DISAGREEABLE EXPERIENCE.

A GOOD PRESCRIPTION: A LITTLE TIME, A LITTLE ATTENTION, A POSTAGE STAMP ON A MAIL ORDER, WILL KEEP YOUR STOCK IN THE BEST OF CONDITION AND YOUR BUSINESS WILL THRIVE AND GROW.

FEATHER MINNOWS

HAYES

Head Made of Cork Correctly Shaped and Finished in True Minnow Qualities, Transparent Celluloid Plane Which Gives Him the Minnow-like Action; Has More of the Appearance of a Minnow than Any Other Artificial Bait, Floats When it Rests, Swims with the Slightest Movement of the Rod; Hollow Point Bronzed Flatted O'Shaughnessy Hooks Used.

Per Dozen

No. BM—Bass Size..... $20 00

No. TM—Trout Size..... 15 00

One on a Card, One in a Box

BASS BUGS

HAYES

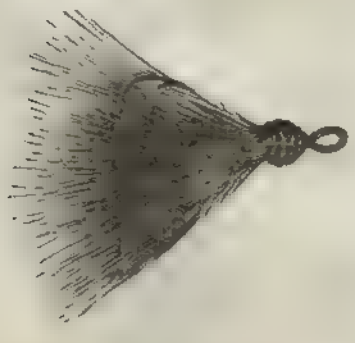
Per Dozen

No. HB—Body Made of Finest Quality Cork, Hook is Attached by Patented Method Which Prevents Any Possibility of Twisting or Getting Loose; Bugs Ride in Upright Position in Water at All Times; Equally Good in Lake or Stream, Tied on 1/0 Perfect Hooks..... $10 00

One Dozen Assorted Patterns in a Box; One Card to a Box

BUCKTAIL FLIES

HAYES



Per Dozen

No. BF—Excellent Under Water Lures for Bass and All Other Game Fish; Only the Best Quality Hair Used; Tied on 1/0 Bronzed Flatted Hollow Point; O'Shaughnessy Hooks..... $8 70

One on a Card; One Dozen in a Box

HACKLE FLIES

HAYES

Superior Quality; Finely Made Hackle Flies; Assorted Colors; Tied on Bronzed Flatted Hollow Point O'Shaughnessy Hooks.

Per Dozen

No. H1A—Hackle Bodies..... $10 00

No. H2A—Silk Floss Bodies..... 10.00

One Dozen on a Card, One Card in a Box

TREBLE FISH HOOKS

*DIAMOND BRAND

TRADE MARK REGISTERED IN THE U.S. PAT. OFFICE

BUCK TAIL

Highest Quality English Limerick Treble Ringed Hooks; Bright Steel; Hollow Points.

PLAIN

Nos.	BT1/0	BT2/0	BT3/0	BT4/0
Hooks Nos.	1/0	2/0	3/0	4/0
Weight per Dozen, ozs.	3½	4½	5	6
Per Dozen.	$3 00	3 00	3.30	3 30

Twelfth Dozen on a Card; One Dozen in a Box

TREBLE GANGS

*DIAMOND BRAND

TRADE MARK REGISTERED IN THE U.S. PAT. OFFICE

BUCKTAIL

Highest Quality English Limerick Treble Ringed Hooks; Bright Steel; Hollow Points.

Genuine Buck Tail Hair; Brown and White Mixed. These Gangs are to be Used the Same as Trolling Spoons or Bass Flies. They Can Also be Attached to Any Trolling Spoon and When Used in This Manner They are at All Times, Sure Killers.

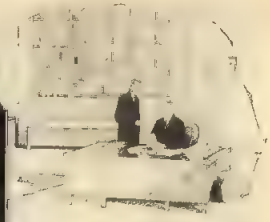
Per Dozen

No. BGT9—Two Treble Hooks No. 80 and One Japanned Sprout Single Hook No. 1/0; Mounted on Braided Manganese Steel Wire; Weight per Dozen, 10 ozs..... $12 00

No. BGT10—One Treble Hook No. 5/0 and Two Japanned Sprout Single Hooks No. 3/0; Mounted on Braided Manganese Steel Wire; Weight per Dozen, 10 ozs..... 8 00

No. BGT12—One Treble Hook No. 5/0 and One Japanned Sprout Single Hook No. 3/0; Mounted on Best English Silk Gimp; Weight per Dozen, 10 ozs..... 7.20

Twelfth Dozen on a Card; One Dozen in a Box



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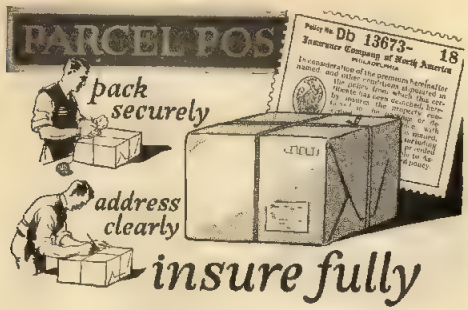

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Third & Walnut Sts., Philadelphia. Dept. Wi.

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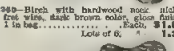
MUSICAL GOODS

"STAR" UKULELES

Made by a reliable manufacturer of musical goods, necessarily fretted and bridged, wonderful tone quality.

F8260—Birch with hardwood neck, nickel head wire, dark brown color, gloss finish. 1 in bag..... Each, **$1.50**
Lots of 6, " **1.35**

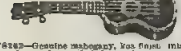


F8261 (genuine mahogany) has [illegible] sound hole, hardwood neck, nickel head wire. 1 in bag Each, **$1.98**

F8262—Genuine mahogany, Koa finish, inlaid edge and sound hole, mahogany neck, Koa covered head and ebonoid finger board [illegible] silver frets and pearl position dots. 1 in bag..... Each, **$2.75**

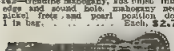
F8263—Koa body centre, inlaid edge and sound hole, mahogany neck, Koa covered head and ebonoid finger board [illegible] silver frets and pearl position dots. 1 in bag..... Each, **$4.75**

HAWAIIAN GUITAR



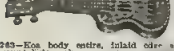
F8265—Birch body, finished in an imitation rosewood stain, birch top edge and sound hole inlaid with variegated celluloid inlay and bound with white celluloid, ebonized finger board, hardwood neck and wood bridge. Can be adjusted for the regular way of playing. 1 in bag Each, **$6.25**

"STAR" BANJO UKULELE



F8264—California style, hard maple and mahogany natural finish, dovetail blocks, sheepskin drumhead top, white maple neck with strip mahogany down center, white celluloid binding rims, banjo shaped bridge, rosewood nut. 1 in bag. Each, **$4.25**

BANJOS AND BANJO MANDOLINS



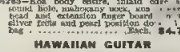
Maple finished rim, nickel plated hoop, twelve nickel plated brackets, natural finish maple neck, rosewood veneered finger board, white calf skin head. 1 in bag

F8254 Tenor banjo..... } Each
F8256—Banjo mandolin ..... } **$6.50**

Inlaid maple frame, nickel plated hoop, twenty nickel plated brackets, natural finish maple neck, inlaid, white calf skin head. 1 in bag

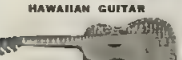
F8243—Tenor banjo..... } Each
F8246—Banjo mandolin..... } **$9.50**

"STAR" BANJO MANDOLIN



F8358—Nyasa wood, natural finish rim, ebony finish finger board, 18 brackets, 3 pearl position dots, patent eyelet inlaid head, [illegible] head plate, 8 strings, wrench for brackets. 1 in bag.....Each, **$10.50**

TENOR BANJO

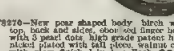


F8247—10 in four ply wood shell veneered with natural finish Nyasa wood, ebonized finger board and head piece, 18 brackets, 4 pearl position dots, patented head, 4 strings, nickel plated tail piece and screw slip patent pegs. 1 in bag. Each, **$11.50**

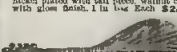
"STAR" FLAT BACK MANDOLINS

Guaranteed against shrinkage, warping or cracking, corrected fretted finger boards.

F8270—New pear shaped body birch wood top, back and sides, ebonized finger board with 3 pearl dots, high grade patent head, nickel plated with fall piece, walnut color with gloss finish. 1 in bag Each **$2.95**



F8271—Spruce top, birch back and sides, poplar neck, hardwood finger board with four pearl position dots, patent head, nickel plated tail piece, rubbed finished with [illegible] of imitation koa wood. 1 in bag. Each, **$5.50**



F8272—Selected spruce top, koa wood back and sides, mahogany neck imitation tortoise shell guard, inlaid edge and sound hole, ebonized finger board and pearl position dots. 1 in bag. Each, **$11.00**

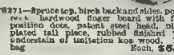
BOWL MANDOLIN

Superior toned instrument, guaranteed against shrinking, warping or cracking. Each has pearl inlaid star in head, guaranteed to have correctly fretted finger boards. All string and adjusted, each in paper bag. 1 in cartons.

F8275—Maple and walnut finish, mahogany finish back and neck, dark walnut finger board, white top. Trims 2 rings around sound hole, fancy plaid place. Features 19 ribs, nickel and silver frets, 3 position dots, brass trimmed patent head, nickel plated tail piece. Each **$2.25**

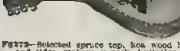
GUITARS

Patent head, nickel silver frets, koa nickel plated tail piece.



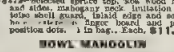
F8275—Birch top, back and sides, poplar neck hardwood finger board with four position dots, shaded finish. 1 in bag. Each **$2.95**

F8276—Spruce top, birch back and sides, inlaid sound hole and edge, striped down back, poplar neck, rosewood finish three pearl position dots, rubbed finish. 1 in bag .....Each, **$5.50**



F8277 Selected spruce top, rosewood sides and back, inlaid sound hole and edge, mahogany veneered neck rosewood bold, 3 pearl position dots, rosewood finish. 1 in bag Each, **$11.50**

ARTISTS' VIOLIN OUTFIT



[illegible] violin, [illegible] ebonized [illegible] [illegible] [illegible]

Guitars and Cases

Guaranteed Make. Prices Each

5+6548 Standard Size—Birch back and sides, rosewood finish, imitation mahogany neck, walnut fingerboard, pearl position dots, inlaid sound-hole, strung with steel strings, broad strip down center of back. Each..... **$8.10**

5+6549 Standard Size—Mahogany finish, back and sides, hand polished, spruce top, fancy colored wood inlaying around sound-hole, fancy colored stripe on back, neck mahogany finish, fingerboard with pearl position dots, nickel plated patent head, with bridge. Each..... **$10.80**

5+6550 Standard Size—Back and sides mahogany finish, fancy stripe down the back, spruce top bound with white celluloid, fancy wood inlaying around sound-hole, mahogany finish neck, ebonized fingerboard inlaid with pearl position dots, nickel plated patent head with bridge Each **$12.00**

5+6551 Standard Size—Back and sides finished in imitation mahogany, finely polished, fancy decalcomanie stripe down back, spruce top, 3 strips of fancy inlay around sound-hole, top edge inlaid and bound with white celluloid, cherry finished neck, ebonized fingerboard inlaid with 3 position dots, nickel plated patent tailpiece and N. P patent heads. Each **$13.60**

5+6552 Standard Size—Dark mahogany finish back and sides, hand polished, spruce top, fancy colored wood inlaying around sound-hole and edges and down center of back, top and back edges bound with celluloid, ebonized fingerboard with pearl position dots, brass patent heads, ebonized bridge, strung with steel strings. Each..... **$19.60**

5+6553 Standard Size—Rosewood back and sides, beautifully hand polished, extra broad fancy colored wood inlaying around sound-hole and edge, top and back edges bound with white celluloid, broad fancy corded stripe in back, mahogany neck, rosewood veneered head-piece, ebonized fingerboard bound with celluloid, and pearl position dots, nickel plated patent head, ebony bridge, strung with gut strings Each **$29.00**

5+6554 Guitar Case, Canvas. Each... .. . . **$4.30**

5+6555 Guitar Bag. Green Felt with Patent Buttons. Each..... **2.70**

Ukuleles, Cases, Etc.

American Make, Thoroughly Seasoned Material, Correctly Fretted Scale, Exceptional Tone Quality. Prices Each

5+6556 Birch, koa color, unfinished pegs, 12 frets, 3 rings around sound hole, varnish finish..... **$3.40**

5+6557 Same as No. 5+6556, but dark mahogany finish **3.40**

5+6558 Birch, koa wood color, 3 rings around sound-hole, top edge bound with black celluloid, 12 frets, hand polished; a trade winner..... **$4.70**

5+6559 Same as No. 5+6558, both top and back edge bound with black celluloid, hand polished... ..**$5.25**

Genuine Mahogany Body

5+6560 Fine selected mahogany, hand polished, 12 Liberty silver frets, unfinished pegs, three marked circles around sound-hole..... **$5.85**

5+6561 Same as No. 5+6560, better finish, has one circle of white holly and one of corded black and white inlay around sound hole..... **$6.05**

5+6562 Same as No. 5+6561, but with top edge bound with black and white corded inlay..... **$6.75**

5+6563 Same as No. 5+6561, with top and back edges bound with corded black and white inlay, finely hand polished **$7.80**

Genuine Koa Wood

5+6564 Genuine Koa wood throughout, high gloss finish. Two black circles around Sound Hole. Equipped with special Friction pegs, Black Buttons Strung with highest grade of gut strings. Each..... **$9.20**

5+6565 Made of a very distinctive selected grain of Koa wood. Black and White inlay of celluloid around Body and Fingerboard and surrounding Sound Hole. Special modeled head, with friction pegs and Black Buttons. Strung with highest grade of gut strings..... **$17.00**

Ukulele Cases

5+6567 Canvas, flannel lined, opening at end Each **$2.40**

5+6568 Leather Opening at end Each 15.25

Ukulele Picks

5+6571 Made of felt celluloid insertion to add firmness, improves the tone and protects the finger tips Each.... . **$0.22**

Ukulele Bags

5+6569 Green felt box shape end opening, metal clasps. Each **$1.25**

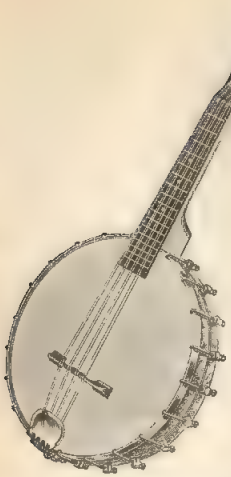
5+6570 Corduroy, box shape, end opening, metal clasps. Each **$1.60**

Instruction Book for Ukulele

5+6572 Up on Self-Teacher for Ukulele giving tuning, chords and popular music Each... . . . **$0.45**

5+6573 Artists' collection of Ukulele Solos, twelve classic solos played the American wa **$1.70**

Banjo Mandolins



Banjo-Mandolin

5+6531 10¾-inch Bird's-eye Maple shell inlaid with 3-piece row of purfling which reduces possibility of shell splitting. 20 hexagon nickel plated brackets, 3-piece maple neck. Patented metal friction pegs with black buttons. Fine quality calfskin head. Ebony finger board, pearl position dots, non-tip mahogany bridge. Each.....**$24.10**

Banjo-Mandolin

5+6532 The same description as 5+6531 except that it has a one piece neck, is without the purfling in shell and has a mahogany finger board instead of ebony. Each.....**$21.30**

Banjo-Mandolin

5+6533 11-inch Bird's-eye Maple shell, 20 hexagon nickel plated brackets, grooved N. P straining hoop. High grade calfskin head. 3-piece maple neck, Ebony finger board, pearl position dots, pearl star inlaid in head. Patented metal friction pegs with black buttons. Strung with steel strings. Nickel plated Cam reinforcing neck to dowel. Each **$37.00**

Banjo-Mandolin

5+6534 The same description as 5+6533 except that it has a one piece neck, does not have the inlaid pearl star and the shell is lighter in weight. Each.....**$28.40**

Banjo-Mandolin Cases

5+6536 Leather, end opening for 11 inch shell. Each.....**$3.15**

Mandolins and Cases

5+6539

5+6537 18 Ribs, Mahogany Finish with Black Inlaying between, Broad Fancy Colored Wood Inlaying around Sound-Hole and Edge Celluloid Bound, High Varnish Spruce Top Mahogany Finish Neck, Rosewood Fingerboard and Tortoise Celluloid Guard Plate, Pearl Position Dots, Nickel Plated Head, Nickel Shell Pattern Tailpiece Each.....**$12.90**

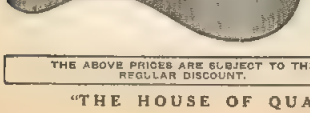
5+6538 18 Ribs of Solid Mahogany with Black Inlaying between Extended Rosewood Apron High Varnish Finish, Broad Fancy Colored Wood Inlaying around Sound Hole, Edge Celluloid Bound Spruce Top Mahogany Finish Neck, Rosewood Fingerboard and Tortoise Celluloid Guard Plate, Pearl Position Dots, Nickel Plated Patent Head, Nickel Shell Pattern Tailpiece Each.....**$14.50**

5+6539 18 Ribs of Rosewood and Maple with Red Inlaying between Extended Rosewood Apron Hand Polished Broad Fancy Colored Wood Inlaying around Sound Hole, Edge Inlaid with Corded Inlaying and Celluloid Bound Spruce Top, Mahogany Finish Neck, Veneered Headpiece, Rosewood Fingerboard and Tortoise Celluloid Guard Plate Pearl Position Dots, Nickel Plated Patent Head, Nickel Shell Pattern Tailpiece Each.....**$17.00**

Mandolin Outfits

5+6541 This Outfit contains one of our popular Mandolins, 9 Ribs, Maple and Walnut Attractively Inlaid Sound Hole, Tortoise Celluloid Guard Plate, Walnut Fingerboard with Pearl Position Dots and Nickel Covered Tailpiece, Canvas Case, a complete Instructor, complete set of the best grade Mandolin strings, a Fingering Chart, the use of which every note in the fingerboard is learned, and enables the beginner to acquire accurate fingering. Also 1 of our Mandolin Tuning Pipes, with 4 pipes, tuned E, A, D, G Each.....**$17.60**

5+6542 We include with Outfit No. 5+6542 one of our high grade No. 5+6538 Mandolins, which has 18 Ribs of Rosewood and Maple Neatly Inlaid with red inlaying between each Rib, extended Rosewood Apron, Handsomely Polished Broad Colored Wood Inlaying around Sound Hole, Edge Inlaid with Corded Inlaying and Cord Bound Spruce Top, Mahogany Finished Neck, Veneered Head plate, Rosewood Finger board and Tortoise Shell Guard Plate, Pearl Position Dots, Fitted with Patent Head and Nickel Shell Pattern Tailpieces. All the Accessories described in Outfit No. 5+6541 are contained in this Outfit. Each.....**$26.15**



Mandolin Cases

5+6544 Canvas, Flannel Lined, with Patent Fastenings, Superior Model and Quality. Each.....**$ 3.20**

5+6545 Leather, Hand Sewed, Flannel Lined, Orange or Black Color . **18.65**

Mandolin Bags

5+6546 Green Felt, with Patent Buttons, Unlined. Each.... **$1.75**

5+6547 Green Felt, Fleece Lined, with Patent Buttons. Each. ... **2.70**

THE ABOVE PRICES ARE SUBJECT TO THE REGULAR DISCOUNT.

IF ANY ARTICLE PROVES UNSATISFACTORY, RETURN AT ONCE. WE WILL EXCHANGE OR REFUND MONEY.

BIG 5 SALE

MORE BARGAINS
EVERY BIT AS GOOD AS THESE

	Page
Playing Cards	211
Vacuum Goods	200
Box Paper	210

ON THE WHITE PAGES

"KING PIN" 180 PAGE PENCIL TABLET

Priced exceptionally low. Full 5½x9

S7936—5½x9, 180 pp., ruled, smooth news stock, red printed on great tablet board cover. 1 doz. in pkg. Doz. **37c**

NEW 8x10 IN. RADIO PENCIL TABLET

Everybody is thinking Radio now and tablets with Radio covers will prove big sellers. This price makes it a mighty good profit-maker

S7516—R. ad, 80 pages, smooth news stock, 4 novel covers showing three to six up-to-date Radio views. Assrd. 1 doz. in pkg.

Doz. **37c** Gro. **$4.25**

JUMBO SIZE 5c INK TABLET

Think of it! 180 pages to retail at 5c—double the thickness of average 5c tablet.

S7578—"90 Sheets," note size, 6x8, 180 pages, ruled white wove paper, note brown cover. 1 doz. in pkg.

Doz. **42c** Gro. **$4.80**

RADIO INSTRUCTION BOOK

A sensational bargain which will make a wonderful 10c seller.

S4290 "Radio," 4¼x5. 64 pp., stiff cover, complete instructions for construction, operation and wiring radio sets, fully illustrated. 1 doz. in pkg.

Doz. **69c**

"HARVARD" POCKET NOTE BOOK

Be prepared for the big demand that is sure to come in January and February.

S7347—Ruled 3¾x5¼, 100 pages, open end, wonderful white wove paper attractive brown pressboard cover. 1 doz. in pkg.

Doz. **38c** Gro. **$4.35**

"UNCLE SAM" PLAYING CARDS

The biggest playing card value of the day. Will make an excellent 25c leader.

S905—Poker or regular deck, good quality cards made by one of the best known manufacturers, enameled surface, easy slip handsome marginal back design, assrd. red and blue backs. Assrd. 1 doz. in box.

Doz. **$2.18**

GOLDINE FINISH CLUTCH PENCIL

Bright goldine finish, chased barrel—look like regular 25c values

S1929—3 in. long, ring end chased metal barrel goldine finish, contains one length of our No. S1922 leads, sight grip mechanism. 4 doz. in carton

Doz. **65c**

"BEATS ALL JUNIOR" NO. 2 LEAD PENCILS

Made by the American Pencil Co., which is a guarantee of quality

No. 2, round, 6¼ in., varnished, gold stamped nickeled tip eraser. 1 doz. in pkg. Assrd. 1 gro. in box.

Gro.

S8722—Red finish..... **$1.90**

S8723—Black finish.....

A 10c "HANDY ACCOUNT" BOOK

Think of it—such a bargain has not been offered for years. Broad day book size and ruling.

S7901A—100 pages, size 7¼x11¼, good grade of fine white hook paper day book ruling which is adaptable to practically all accounts. Beautiful fan-shade finish, paper cover; title printed in red. 1 doz. in pkg.

Doz. **84c**

"THREE IN ONE" PENCIL ASSORTMENT

Don't fail to buy it—your only chance to get a good pencil with eraser to sell for a penny.

NOTE: Put up in new style partitioned display stand with selling prices plainly printed on the front—a splendid silent salesman

S303—No. 2, assrd. round and hexagon, bright colored tin shoe silver stamped

Asst. comprises:	To Retail
3 doz. round, inserted eraser, 1c each	Retail $0.30
2¼ " hexagon nickel tip, white eraser, 2 for 5c	75
2¼ " round nickel tip, white eraser, 2 for 5c	75
2 " hexagon gilt tip, red eraser, 5c each	1.20
2 " round gilt tip, red eraser, 5c each	1.20
Total retail,	$4.70

Assrd. 12 doz. in asst. box display stand.

ASST. (12 doz.) **$2.75**

Total Retail, $4.26 Your Cost, $2.75
You realize $1.51

"PATRICIA" WHITE BOX PAPER ASSORTMENT

We're noted for our values in box paper Here is one that gives you excellent selection of 25 centers at a very low figure.

S9710—12 styles, unruled, white linen finish stock, 24 sheets and 24 envelopes to box, assrd Royal and tandem backs up to 7x11 in. Ribbon designs in dainty colorings. Assrd 2 doz. in carton.

(Total $3.50) Doz. **$1.75**

EASTER POST CARDS

Made to sell 2 for 5c—our special price makes a wonderful penny leader.

S3560—"De Luxe Gold Border Series," 48 subjects extra fine quality buff colored hemp finish stock, Easter lilies, bunnies, chicks, country landscapes, etc., with floral decorations, soft water color effects, gold border, Easter verses and greetings. Assrd. 100 in pkg. Per 100, **52c**

SPECIAL PINT SIZE VACUUM BOTTLE

Imported vacuum bottles are at premium. Market is going higher. Let us supply your stocks now.

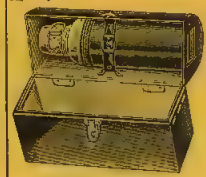
1Y7031—Pint size, full aluminum case, demountable model, aluminum drinking cup with handle, fine quality silvered glass filler. Each in corrugated box. Each, **$.093**

Lots of 10, " **.90**

" " 25, " **.87**

SPECIAL VACUUM BOTTLE LUNCH KIT

An extraordinary price and an opportune buy for you



1Y7020—10x7½x3¼ in., black japanned tin case, metal snap fastener leather handle, name plate, leather catch for holding 1 pt. imported black enameled bottle. 1 in carton. Each. **$1.35**

Lots of 25, " **1.27**

BIG 5 SALE

MORE BARGAINS
EVERY BIT AS GOOD AS THESE

Page
Soap 190
Candy 178
Drug Sundries 193
ON THE WHITE PAGES

"HUMMER" CANDY MIXTURE

A special quality mixture that can be used as a leader and bring in lots of trade.

2Y188—Big variety, including plain and crystallized peanut and gum work, hard candies, pan and cocoanut work. 30 lbs. in pail.
Lb. **10½c**

JELLY BIRD EGGS
Speckled

These are your big sellers now. Our low price enables you to name exceptionally good prices and still make a fine profit.

2Y740—Soft jelly center, pan sugar coated assid colors and flavors, about 200 to pound. 50 lbs. in pail to sell 7 for 1c.
Lb. **12½c**

BOSTON BAKED BEANS

A special purchase enables us to quote this low price.

2Y800—Spanish peanuts with brown sugar coating. 35 lbs. in pail.
Lb. **14½c**

BUTTER CREAM EASTER CANDY NOVELTIES

2Y748—8 designs, high grade butter cream; ducks, chicks, rabbits, roosters, lambs, sheep, etc., bright colors and flavors, vanilla, strawberry, raspberry, chocolate. About 100 pieces to lb. Sell by weight or count—4 pieces for 1c. 20 lbs. in wood pail.
Lb. **13¾c**

EASTER PENNY CANDY SPECIALTY

2Y1139—Picture eggs, pink and white, assid., large attractive egg shape, flat pieces mounted with fancy colored cut-out Easter design, a big penny's worth. 120 pcs. in box.
Box. **72c**

11 OZ. BAR "CLASSIC" LAUNDRY SOAP

Well known soap, easy washer. Note our price and compare with others.

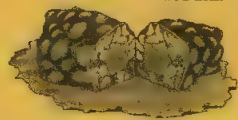
1Y4357—Classic white laundry, 11 oz. bar, double wrapped. 100 bars in case.
Case. **$4.45**
5 case lots, " **4.35**
10 " " " **4.25**
25 " " " **4.10**

"SPICA" OIL

The biggest bargain ever offered in a household oil. Made by the Texas Company.

1Y5806—Pint can high grade quality household oil at a special utility of. Packed ½ doz. in shipping case.
Doz. **$9.80**

"OH HENRY" MILK NUT BAR

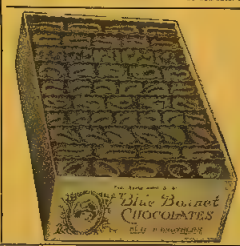


2Y1124—4 oz. bar, Auntie May's pudding center rolled in maple chewing caramel and pecans, covered with milk chocolate coating, each bar wrapped in glassine. 24 in box.
10 box lots. Box. **$1.48** Box. **$1.38**

WRIGLEY'S "SPEARMINT" CHEWING GUM

United Profit Sharing Coupon with each pkg.

2Y8096—Wrigley's "Spearmint," double wrapped, 5 sticks in pkg. 20 pkgs. in box.
10 box lots. Box. **57½c** Box. **60c**



"BLUE BONNET" CHOCOLATES
10 Box Case Asst.

An exceptional opportunity you won't want to miss. Quality that ordinarily retails for 40 and 50c a lb.

2Y852—"Standard," 10 kinds. Improved quality soft cream centers iron fruit dips all high grade sweet chews and coating fudges size 2 loggie's hand work. Full telescope heavy board boxes well padded, assuring arrival of goods in perfect condition. 5 lbs. each as follows.

Vanilla	Whipped cream
Raspberry	Caramel
Molasses chips	Nougat
Maple	Assid. flavor
Maple walnut	creams
Walnut tops. Assid. 50 lbs. in case.	

Lb. **19¾c**

8 OZ. HYDROGEN PEROXIDE

Do not miss this offer, quoted at less than manufacturer's cost.

1Y3360—8 oz. bottle U. S. P. solution guaranteed pure and of good keeping quality. Labeled to conform with laws of all states. "Best Seal" screw top prevents leaking and forms a perfect seal after usual ½ use in shipping case.
Doz. **96c** Gro. **$11.25**

SANITARY SWEEPING COMPOUND

A real bargain price in the face of a rising market.

1Y8125—Cheap as compound, antiseptic germicidal and disinfectant absorbs dirt. 200 lb. steel drum.
Drum. **$1.35**
5 drum lots Drum. **1.25**

SOAP DISPLAY ASST.

Put this selection right out in front with a price ticket and the large number of sales will surprise you.

1Y4185—12 kinds, wrapped and unwrapped goods, best selling toilet soaps. Assid 5 doz. in 9x14 wire counter display basket.
(Total $3.07) Doz. **69c**

"ALKO" VELOUR POWDER PUFF

Looks like 25c value

1Y6393—"Alko Velour Vanytex" powder puffs, each puff enclosed in cretonne bag, assid white and flesh color puffs mounted on beautiful display card. 1 doz. on card.
Doz. **95c**

"UNIVERSAL" ELECTRIC IRONS

No. E9191

Nickel plated, ebonized handle. Toggle switch in detachable plug controls current. Six foot cord. Reversible heat proof stand.

No. E909 "Wrinkle Proof"

Nickel plated, ebonized handle. Heats from point to heel. Six foot cord with detachable extension coil spring to prevent dragging. Reversible heat proof stand

No. E9070

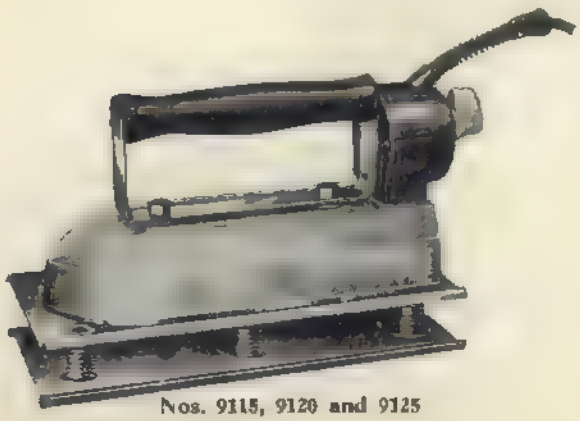
Nickel plated, ebonized handle. Heats quickly and evenly. Sole plate with rounded corners. Attached tip-up stand and reversible heat proof stand. Six foot mercerized cord and plug.

No. E9021

Tourist size. Nickel plated, detachable ebonized handle. Six foot cord, reversible heat proof stand.

No.	Weight	Bottom	Wattage	Packed	Weight	Each
E9191	6 lbs.	.....	580	1	8¼ lbs.	$ 6.75
E909	6¼ lbs.	"Wrinkle Proof"	580	1	7¾ lbs.	6.00
E9070	6 lbs.	.....	535	1	8 lbs.	5.00
E9021	3 lbs.	.....	350	1	5 lbs.	3.95

TAILOR'S IRON
From Factory



Nos. 9115, 9120 and 9125

3 heat (indicating) rotary switch. Nickel plated. Large ebonized handle. Oval point. Six foot cord and spring, no socket plug due to special wiring necessary. Reversible heat proof stand. Furnished for 106-114, 115-120, 210-225, 230-240 volts.

No.	Weight	Bottom	Wattage	Packed	Weight	Each
E9115	15 lbs.	3⅛x10⅜ in.	212, 425, 850	1	20 lbs.	$20.00
E9120	20 lbs.	3⅝x10¾ in.	225, 450, 900	1	25 lbs.	22.00
E9125	25 lbs.	4 x12 in.	250, 500, 1000	1	30 lbs.	26.00

ALWAYS SPECIFY VOLTAGE IN ORDERING

ELECTRIC IRONS

Sunbeam

Nickel plated, ebonized handle. 6 foot cord and plug with stand. 550 watts. Weight 6 lbs.

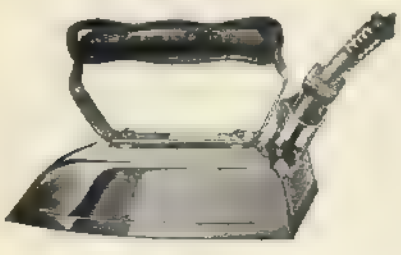
Sunbeam Special is the Sunbeam iron in an everlasting, all steel, fireproof case, as illustrated.

No.	Name	Packed	Weight	Each
X750	Sunbeam	1	7¾ lbs.	$7.50
C850	Sunbeam Special	1	10¾ lbs.	8.50

Little Sunbeam

Nickel plated, rosewood handle. 6 foot cord and plug with stand. Weight 3 pounds.

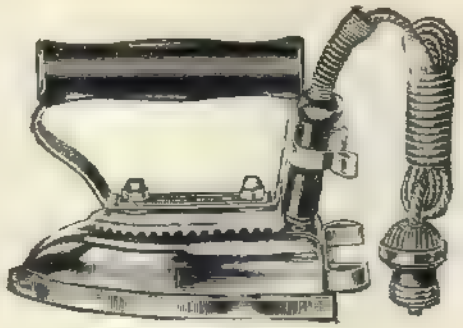
No.		Packed	Weight	Each
XB50	without case		4 lbs.	$5.00
CB60	with case	1	6 lbs.	6.00



Princess

Nickel plated, ebonized handle. 6 foot cord and plug with stand. 550 watts. Weight 6 lbs.

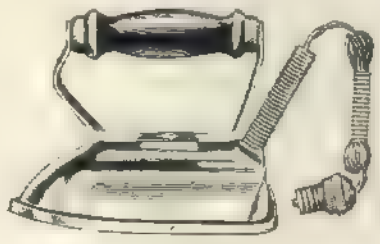
Name	Packed	Weight	Each
Princess	1	7 lbs.	$4.25



No. 207

Nickel plated, ebonized handle. 6 foot asbestos covered cord and plug. 600 watts. Weight 6 pounds.

No.	Packed	Weight	Each
207	1	8 lbs.	$3.00



No. 221

A toy and traveler's iron. Nicely finished, ebonized handle. 6 foot cord and plug. Weight 1 pound.

No.	Packed	Weight	Each
221	1	1 lb.	$1.50

ELECTRIC SOLDERING IRONS

Dover

Non-corrosive aluminum bronze for heat conduction. Pure copper tips. All parts renewable. Wood handles. Six foot heavy duty cord and two piece socket plug.

No.	For Work	Tips	Packed	Weight	Each
200	medium	above	1	2½ lbs.	$10.00
300-S	medium	special	1	2½ lbs.	14.00

No. 300 S has special tips No. 7 and 8 for special radiator and commutator work.

Three tips, nichrome heating element embedded in a porcelain-like substance. Maintains an even temperature.

Packed, 1, weight, 14 oz. ..... each, $4.00

ALWAYS SPECIFY VOLTAGE IN ORDERING

BASS FLIES

"PEERLESS" WOOD MINNOW ASST.

FURNISHED FISHING LINE ASSORTMENTS

Complete with line, hook, sinker and float on wood winders. Use these as leaders in your fishing tackle. They will bring the business.

CAMPERS' SUPPLIES

FOLDING CAMP GRID AND WINDSHIELD

For open fire cooking

1K1887—"Duplex" grid, 18x21 in., heavy enamel steel electric welded, 2 grids, folding supports. Each $1.15

1K1884 Windshield only to suit above. Each $1.00

"KAMPKOOK" GASOLINE STOVE

1K1887 Wire ... light and sturdy steel stove, black enameled oven, 2 burner, 1 gal. ... Each $5.25

FOLDING PORTABLE SET

1K1886—Large ... of charcoal fuel ... lighted in one minute, holds fire ... 3 in wood carrying case. Each $7.00

FOLDING STOOL AND CHAIR

Canvas seat, folding hard wood frame. 10 oz. ... weather proof ... Doz

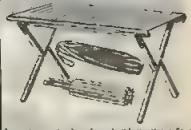
1K1891 Stool $4.00

1K1892 Chair 4.80

CAMPERS' HAMMOCK

1K1929 ... oil tinted khaki duck ... heavy wove ... Each $3.00

ROLL TOP FOLDING TABLES



Very compact when folded ... and rigid in use ... the same principle as the folding camp cot. Hardwood ... 14 gauge steel stamped wood slats ... packed roll top sets in grooved frame ... Each

1K1884 ... Size Built ... Each $2.25

1K1885 ... Each $2.75

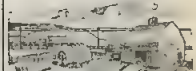
"Best Yet" Folding Camp Cot

ARMY TYPE Substantially made. Best materials and finish—a quality cot at an astonishingly low price. We own seven factories at this under-market price.

1K1883—Full size, 6 ft. 3 in. x 2 ft. 3 in. 12 oz. double filled khaki duck ... in double rust ... hardwood frame. 14 gauge steel stamped ... folds to 6 ft. 3 in. long, 6 in. wide, 7 in. deep. Each wrapped

Each, **$3.50** 2 doz. in crate, Doz **$39.00**

"RELIANCE" PLAIN WHITE CANVAS PAULINS



For covering hay, harvesting, automobiles and wagons, can also be used for hails, dancing floors, etc. Each in canvas bag complete with ropes & eyelets. Guaranteed full 12 oz. 10-oz. yd

1K1810—	7x12 ft	Each, $ 4.40
1K1811—	10x10	7.75
1K1812—	12x12	9.85
1K1813—	14x14	10.90
1K1814—	14x16	17.25
1K1815—	16x20	16.90
1K1815—	16x20	26.70
1K1819—	20x24	21.80
1K1818—	20x24	24.16

"UNIVERSAL" CAMERAS

Made for Burker Brothers by Burker and James Inc. makers of the famous Rexo Camera. There is no maker of Cameras in America that stands higher in the opinion of scientific men. That's why among all the Cameras in stock of Europe and America they were selected to head Art ... Cameras for the United States Army "Universal Cameras are sturdily built. The frame is more solid and stronger than other cameras. Each Camera in the Universal line is a highly finished instrument that will do perfect work. No Cameras leave the Burker and James, Inc., factory until it has withstood the compan... laboratory tests. The result is every Camera shipped is a perfect one. If ... Brothers are pleased to say that this is the first time the old and reliable corporation of Burker and James Inc. ... ever ... through any other than ... agents.

UNIVERSAL CAMERAS

Five distinctive features found in every folding "Universal" camera—

1—Self masking finder.
2—Improved spool chamber.
3—Double back holds film tight.
4—Micrometer focusing device.
5—Rigid standard and broad track.

Post Cameras—Wood and ... covered with very ... leather ... Each ... lens ... displacement ... for both ... and ... Each $1.88

1K5176 ... 2A 2½x4¾ ... 2.63

Vest Pocket Folding Cameras—... leather covered ... Each ... lens ... displacement ... for both ... and ... Each $1.88

1K5175 ... 2½x4¾ ... 2.63

Vest Pocket Folding Coat Pocket Folding Cameras—... leather covered ... Each ... lens ... displacement ... for both ... and ... Each $1.88

1K5175 ... 2½x4¾ ... 2.63

Junior Folding Cameras—... genuine leather ... Each ... lens ... displacement ... for both ... and ... Each $1.88

1K5176 ... 2A 2½x4¾ ... 2.63

Folding Cameras—Aluminum ... genuine grain seal leather ... F.P.D. shutter, ... Each ... lens ... displacement ... for both ... and ... Each $1.88

1K5176 ... 2A 2½x4¾ ... 2.63

FOCUS ADJUSTOR

Junior Folding Cameras—... genuine grain seal leather ... Each ... lens ... displacement ... for both ... and ... Each $1.88

1K5176 ... 2A 2½x4¾ ... 2.63

1K5170— (Size 1A Jr.), size of picture 2½x4¼. Each $5.75

1K5171 (Size 2A Jr.) ... picture 2½x4¼. Each $6.50

1K5172—(Size 1A) size of picture 2½x4¼. Each $7.50

1K5173—(Size 2A) size of picture 3¼x5½. Each $8.50

1K5174—(Size 3A) size of picture 3¼x5½. Each $9.50

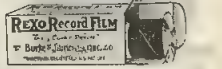
1K5175—(Size 4A) size of picture 4x5. Each $10.50

1K5176—(Size 5A) size of picture 5x7. Each $16.50

1K5178—(Size 6A) size of picture 6½x8½. Each $18.50

"REXO" RECORD FILMS

"Every Click a Picture"



... reducer to a minimum your under exposures. ... Each ... than ... sliding ... plate.

1K5207 — 2½x2½, 8 exposure, vest pocket "Universal" and ... pocket folding ... Roll 18c

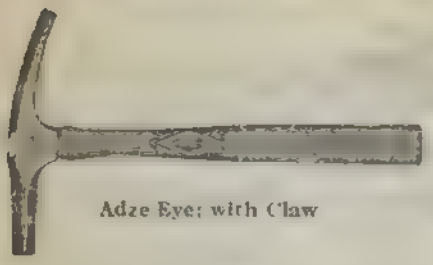
1K5171 ... exposure "Universal" ... pocket ... No. 1 Kodak Jr. ... and ... Roll 18c

1K5173 ... exposure "Universal" ... pocket ... Roll 22c

1K5180 2½x4¼, 8 exposure No. 2 "Universal" ... Roll 33c

1K5185 2½x4¼, 8 exposure "Universal" ... Roll 44c

UPHOLSTERERS HAMMERS



*DIAMOND EDGE

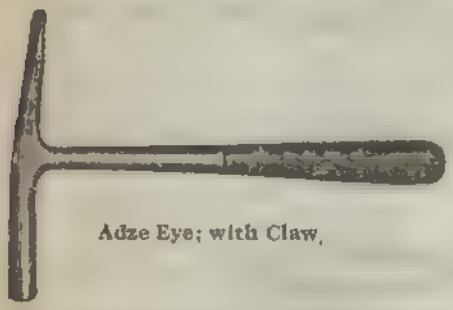
Adze Eye; with Claw

Highest Grade Tool Steel; Highly Polished Second Growth White Hickory Handle.

Per Dozen

No. DE60—Head 5⅝ inches Long; Length of Handle 11¾ inches; Weight per Dozen 7 lbs. $14 50

Half Dozen in a Box



Adze Eye; with Claw,

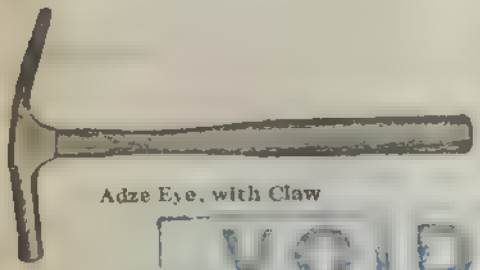
SOLID HEAD AND SHANK

Polished Steel; One-Piece Head, Shank and Handle Bar; Polished Rosewood Inlaid Handle; Side Pieces.

Per Dozen

No. 87—Head 6¾ inches; Assorted Faces, ¾, ⅝ and ½ Inch, Length of Handle 10½ inches. Weight per Dozen 7 lbs..... $23 50

Half Dozen in a Box



Adze Eye, with Claw

Polished Steel Head, White Hickory Handle.

VOID
NOTICE ON PRICING

Per Dozen

No. 650—Head 5½ inches; [illegible] Face; Length of Handle 11½ inches; Weight per Dozen [illegible] $5 00

Half Dozen in a Box

Adze Eye; with Claw

Nickel Plated; Cast Iron White Hickory Handle.

Per Dozen

No. 87—Head 5 inches; ¾ inch Face; Length of Handle 10½ inches; Weight per Dozen 3 lbs..... $3.40

Half Dozen in a Box

BILL POSTERS HAMMERS

MAGNETIC

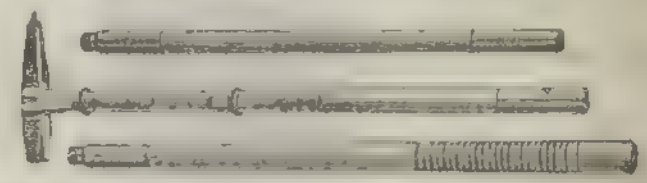
Magnetic Nickel Plated Forged Steel Head; Nickel Plated Trimmings; Polished Ash Handle; The Jointed Sections are Interchangeable.

ROBERTSON

Per Dozen

No. 502—Weight 5 oz. 4x⅝ inches; with Jointed Handle, Two 18 inch Sections; Weight per Dozen 11 lbs..... $37.00

Half Dozen in a Box



Per Dozen

No. 803—Weight 8 oz., 4½x⅝ inches; with Jointed Handle, Three 15 inch Sections; Weight per Dozen, 14 lbs. 102.00

Half Dozen in a Box

MAGNETIC HAMMER HEADS

Without Handle

Magnetized Nickel Plated Forged Steel Head; Nickel Plated Trimmings Polished Ash Handle.

Per Dozen

No. 500—Weight 5 ozs.; 4x⅝ inch; Weight per Dozen 4½ lbs.. .. $37 00

No. 800—Weight 8 ozs.; 4½x⅝ inch; Weight per Dozen 6½ lbs.... 98.50

One Dozen in a Box

TACK CLAWS

Especially Adapted for Use of Upholsterers and Carriage Makers

BRIDGE

High Grade Tool Steel Blade; Natural Finish; Shank Driven in Hardwood Handle

Per Dozen

No. B15—Length Over All 6½ inches; Weight per Dozen, 2 lbs... $1 90

One Dozen in a Box

STERLING KANT BREAK

Nickel Plated Malleable Iron Shank; Reinforced Tempered Steel Claw Riveted to Heel; Stained Hardwood Handle.

Per Dozen

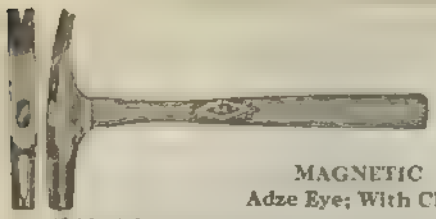
No. KB—Length 6½ inches; Weight per Dozen, 2 lbs... .....$3.20

One Dozen in a Box

IF THEY DON'T TALK, THEY THINK

IF YOU COULD HEAR WHAT THE CUSTOMER SAYS WHEN HE LEAVES YOUR STORE; DISAPPOINTED IN NOT FIND NG GOODS THAT HE HAD A RIGHT TO BELIEVE YOU CARRIED IN STOCK, IT IS POSSIBLE YOU MIGHT BLUSH, BUT IT IS PRETTY CERTAIN YOU WOULD AT ONCE ADOPT THE SYSTEM OF ORDERING BY MAIL. THERE ARE CUSTOMERS, TOO WHO DO NOT SAY ANYTHING, WHO DO A LOT OF THINKING NOT AT ALL FLATTERING TO THE STOREKEEPER WHO DISAPPOINTS THEM.

TACK HAMMERS



DIAMOND EDGE

MAGNETIC
Adze Eye; With Claw

4¾ inch Highest Grade Tool Steel; Drop Forged Polished; Selected Quality Hickory Handle; Length Over All 11½ inches.

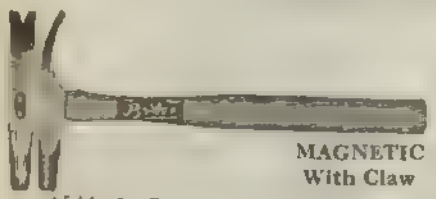
Per Dozen
No. DE75—Weight Each 8 ozs.; Weight per Dozen 6½ lbs.....$14.50
Half Dozen in a Box

DIAMOND EDGE

MAGNETIC
Without Claw

3½-inch Highest Grade Tool Steel; Drop Forged, Polished; Selected Quality Hickory Handle; Length Over All 12 inches.

Per Dozen
No. DE65—Weight Each 8 ozs.; Weight per Dozen 6 lbs.....$14.50
Half Dozen in a Box



MAGNETIC
With Claw

4⅝-inch Cast Steel Polished; Polished Hickory Handle; Length 12 inches.

Per Dozen
No. B50—Weight Each 7 ozs.; Weight per Dozen 5½ lbs..... $8.30
Half Dozen in a Box

MAGNETIC
Without Claw

4 inch Polished Steel Head; Polished Hickory Handle; Length Over All 12 inches.

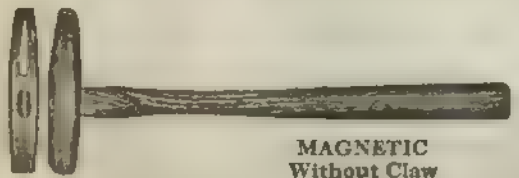
Per Dozen
No. BX50—Weight Each 7 ozs.; Weight per Dozen 5½ lbs..... $8.30
Half Dozen in a Box

CAST IRON

MAGNETIC
With Claw

Tinned Cast Iron Head and Claw; Head Magnetized at Both Ends; Claw in End of Smooth Finished Hickory Handle; Used for Tacking Carpets or for Upholstery Work; Length Over All 11 inches.

Per Dozen
No. BT2—Length of Head 4 inches; Weight Each 6 ozs.; Weight per Dozen 4¼ lbs..... $3.80
Half Dozen in a Box



ROBERTSON

MAGNETIC
Without Claw

3¼ inch Polished Steel Head; Polished Hickory Handle; Length Over All 11⅞ inches.

Per Dozen
No. 412—Weight Each 6 ozs.; Weight per Dozen 4½ lbs.....$20 50
One Dozen in a Box

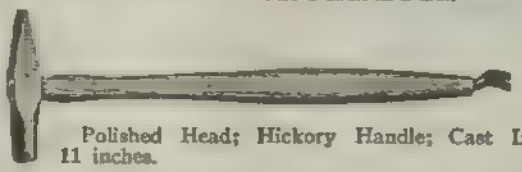
TACK HAMMERS

SEMI-STEEL

NON-MAGNETIC
Without Claw

4-inch Semi Steel Magnetic Head, Nickel Plated and Polished; Hardwood Handle; Length 11 inches.

Per Dozen
No. 1291—Weight Each 6½ ozs.; Weight per Dozen 6 lbs.....$8.40
One Dozen in a Box



CAST IRON

Polished Head; Hickory Handle; Cast Iron Claw; Length 11 inches.

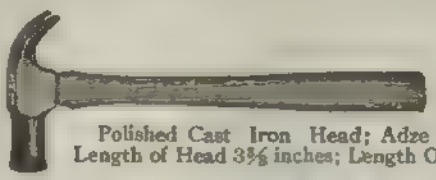
Per Dozen
No. 25—Weight Each 5 ozs.; Weight per Dozen 3¼ lbs.....$2 00
One Dozen in a Box

ALL IRON

One Piece Bronzed Iron; 2¼ inch Head; Claw at End of Handle; Length Over All 6⅞ inches.

Per Dozen
No. 50—Weight Each 4 ozs.; Weight per Dozen 3¼ lbs.....$1.10
One Dozen in a Box

LADIES OR HOUSEHOLD HAMMERS



CAST IRON

Polished Cast Iron Head; Adze Eye; Hardwood Handle; Length of Head 3⅜ inches; Length Over All 10½ inches.

Per Dozen
No. 200—Weight Each 4 ozs.; Weight per Dozen 3½ lbs.....$1.80
One Dozen in a Box

SHOEMAKERS HAMMERS

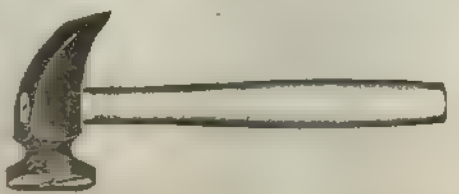
★DIAMOND EDGE

Highest Grade Solid Forged Tool Steel; Correctly Tempered; Second Growth White Hickory Handle, Fastened with a DIAMOND EDGE Wedge.

Full Polished Heads

Nos.	DEX0	DEX1	DEX2
Weight Each, Less Handle, ozs.	11	13	15
Weight per Dozen, lbs.	11	11¾	13¼
Per Dozen	$18 00	18 50	19.00

Half Dozen in a Box



Common Cast Iron; Japanned Head; Polished Face Hardwood Handle.

Per Dozen
No. 0—Weight Each, Less Handle, 9 ozs.; Weight per Dozen 7 lbs.$2.50
Half Dozen in a Box

Upressit

DOUBLE SEAL FRUIT JARS

WITH THE FAMOUS UPRESSIT CAP

The Double Profit Line

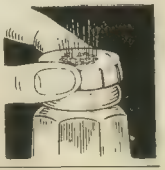
Selling Upressit Double Seal Fruit Jars and Upressit Airtight Jelly Tumblers you made twice the ordinary profit. Housekeepers gladly pay more for Upressit because it prevents *all spoilage* and is so convenient.

A "snap" seals. Another "snap" opens. Another "snap" reseals airtight.

ples and hear the "SNAP" that makes quick sales — and gives you double profit.

Upressit No-Clog Salt Shaker Sells to Everybody

A "snap" frees the clogged holes instantly. Sells to everybody, even those who have plenty of old-fashioned shakers at home. 10c each, 20c the set. 2 dozen sets in display carton.



UPRESSIT PRODUCTS CORPORATION
Long Island City, N. Y.

Check below the free samples wanted and mail.

☐ Fruit Jar ☐ Jelly Tumbler ☐ Salt Shaker

Name .....

Address .....

My jobber is.....

Basket Balls, Volley and Indoor Base Balls

INDOOR BASEBALLS

Best horsehide cover with latest approved center construction and perfect stitching. Made in strict accordance with official regulations. Size 17 in. in circumference.

	Each
No. 17/655	$3.35
No. 14/655 Same as above, except 14 in.	2.85
No. 12/655 Same as above, except 12 in.	2.35

PLAYGROUND BALLS

No. 14P 655 Extra quality pearl horsehide cover with our special firm center and strong stitching. Made in raised outer seam style to give better wear for outdoor use. Standard 14 in. style. Each..... $3.00

No. 12P 655 Like No. 14P/655, except 12 in. size. Each..... $2.50

No. 12C 655 Special juvenile playground ball in 12 in. size only, soft, well made center and strong bevel cover. Each..... .$1.35

INDOOR BATS

No. A/655 Strictly regulation size. Finest northern ash, in burnt and rubbed finish, tape wound handle. Each..... $1.70

No. B/655 Like No. A/655, except with plain handle. Each..... $1.35

THE VICTOR INDOOR BASES AND PLATES

No. 2/655 Best canvas bases, cases only. No stuffing. Per set of 3..... $3.75

No. 3/655 Corrugated rubber home plate. Each..... $0.80

OFFICIAL FOOTBALLS

No. 285/655 The Victor Official Intercollegiate Football. Made from very best English grain pebbled football leather. Absolutely official in weight and size and positively correct in shape. All possible stretch is removed from leather by our own special machinery, and balls are sewed on lock-stitch machine with heavy waxed linen thread. Made with our famous Victor patent inside lace to protect the bladder and make the outside perfectly smooth. The world's record for drop kicking was made with one of our No. 285 balls.

Packed in sealed box, fitted with rawhide thong lacing, and lacing needle. Has very best quality extra weight pure gum bladder. Each..... $13.60

No. EC5 655 Special superior leather. Sewed on lock-stitch machines and equipped with pure gum bladder, rawhide lace and lacing needle. Not absolutely guaranteed as to weight, size or shape, but a splendid ball for practice purposes. Price, each..... $10.65

FOOTBALLS—STANDARD SIZE

No. B3 655 Made from high quality selected American football leather in regulation shape and size. Sewed on lock-stitch machine and has pure Para bladder. Made extra strong through addition of special canvas lining. Each..... $7.85

JUNIOR AND JUVENILE FOOTBALLS

No. B5/655 Junior size grain in full size and accurately shaped. Has strong lining and is sewed with heavy linen. Fitted with 2-piece pure gum bladder. Each..... $3.05

No. 52/655 Junior size and regulation shaped. Strongly made from India pebbled leather with cloth lining and pure rubber 2-piece bladder. Each..... $2.65

THE VICTOR BASKET BALLS

No. 1/655 Everywhere accepted as the standard for the United States and positively official for use in any game. Choicest selection of genuine pebbled grain leather. Specially treated by our private machinery, which removes all possible stretch and keeps balls permanently in shape. Sewed with extra heavy waxed linen thread in lock-stitch style and guaranteed strictly regulation in weight, shape and size. Packed in sealed box and equipped with rawhide thong lacing and lacing needle. Has extra heavy, best quality genuine Para pure rubber bladder. Price, each..... $19.95

No. 18/655 Made from extra quality American standard pebbled grain leather. Has best quality Pure Para bladder and is strictly regulation in weight, size and shape. A strong and thoroughly reliable value. Each..... $15.45

No. 2B/655 Made from fine quality strong grain leather. Full standard official size and very carefully shaped. Strongly sewed throughout and built for service. Has high grade genuine Para bladder. Each..... $6.85

No. 6B/655 Special brown tan leather with pure gum bladder. Regulation size and shape. Each..... $5.00

Striking Bags

Single End Striking Bags

STRIKING BAG
Pear Shaped

No. 62P/655 Strong wine tan stock strengthened with cloth lining. Same what smaller than standard size, but fast and serviceable. High grade pure rubber bladder, in regulation pear shape. Each..... $4.50

No. 69P/655 Junior size from special Napa green with triple stitched seams. Strengthened with cloth lining and fitted with high grade pure rubber bladder in pear style. Each..... $6.00

No. 61P/655 Made from special Napa tan with welted and triple stitched seams. Strong cloth lining and pure gum bladder. A popular, lively bag. Each..... $7.50

No. 67P/655 Fine light oak tan with triple stitching and welted seams. Best grade pure gum bladder. Made for light, fast work. Each..... $10.65

VOLLEY BALLS

Special calfskin cover in regulation size and official weight. Best grade pure gum bladder.

No. BV 655 Each..... $10.35
Pearl tan horsehide; regulation size and weight. Strong and serviceable; pure gum bladder.

No. BW/655 Each..... $8.95
White leather; standard size and weight, pure gum bladder.
No. BC/655 Each..... $7.50

BASKET BALL PANTS

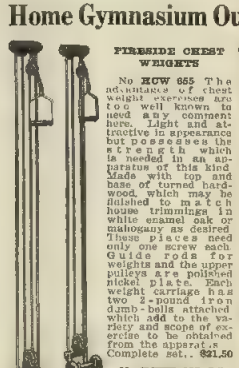
No. 1BP/655 Extra quality tan drill, loose at knees, but made with light, suitable hip padding. Pair..... $2.70

No. 4BP 655 Extra quality brown duck, the newest and best fabric for basket ball or football clothing; very strong and durable, made loose at knees, but has special adjustable padding at hips. Pair..... $3.60

BASKET BALL GOAL

No. 7 655 Made with strong iron frame and heavy hand woven rope baskets. Strictly regulation size. Per pair..... $10.00

Home Gymnasium Outfits



FIRESIDE CHEST WEIGHTS

No. HCW 655 The advantages of chest weight exercises are too well known to need any comment here. Light and attractive in appearance but possesses the strength which is needed in an apparatus of this kind. Made with top and base of turned hardwood, which may be finished to match house trimmings in white enamel oak or mahogany as desired. These pieces need only one screw each. Guide rods for weights and the upper pulleys are polished nickel plate. Each weight carriage has two 2-pound iron dumb-bells attached which add to the variety and scope of exercise to be obtained from the apparatus. Complete set..... $21.50

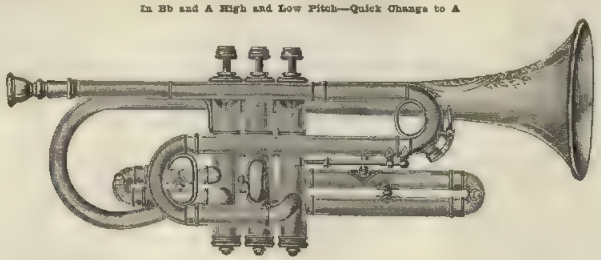
No. FCWS 655 Like No. HCW/655 except single carrier only, but fitted with yoke, handle to allow full arm work. Each..... $7.20

American Made Band Instruments

Made in Chicago. Models Strictly Up to Date. Best Materials and Workmanship. Correct in Scale and Tone. Prices in Reach of a Modest Price.

These four points cover all that need be told to gain the attention of prospective buyers The American made cornet selling with our unqualified guarantee. Length, mouthpiece to bell, 16⅜ in. Diameter of bell, 4½ in. Weight, about 2¾ lbs.

In Bb and A High and Low Pitch—Quick Change to A



CASES NOT INCLUDED **Nos. 30904-30944** **MADE IN THE U. S. A.**

No. 30904 Brass, highly polished, bell artistically engraved, star valve, enclosed top spring action, water key and music rack, pearl top, finger buttons and mouthpiece are silver plated $52.70

No. 30924 Triple silver plated sand blast finish inside of bell, ferrules, braces, water key, valve caps and buttons, wreath and engraving beautifully burnished 63.40

No. 30934 Same as No. 30924, with inside of bell gold plated and highly burnished 66.40

No. 30944 Triple silver plated, elegant sand blast finish, with finger buttons, valve caps, water key, mouthpiece, engraving and inside of bell gold plated and burnished. 70.70

Bb TENOR SLIDE TROMBONE—HIGH AND LOW PITCH

Is of the very latest model and nicely balanced. It has a clear typical slide trombone tone. True scale and decidedly easy to blow.

Each

No 30404 Finest quality brass, highly polished, artistically engraved, furnished with water key and silver plated mouthpiece..$32.80

No. 30414 Triple silver plated, sand blast finish, ferrules, water key, mouthpiece and inside of bell burnished. 47.00

No 30424 Same as No 30414, with inside of bell gold plated.... 52.50

Bb TENOR VALVE TROMBONE

No. 30704 Finest quality brass, highly polished, artistically engraved, furnished with music rack, low pitch attachments and silver plated mouthpiece $57.70

No 30714 Same as No. 30704, triple silver plated, sand blast finish, valve caps, ferrules, water key, engraving, mouthpiece and inside of bell burnished 77.30

No. 30724 Same as No. 30714 with inside of bell gold plated.... 82.25

Bb BARITONE OR EUPHONIUM—HIGH AND LOW PITCH

Possesses a clean, well tempered scale, and a large, round, far carrying tone. Blows very easy. Strongly and handsomely made throughout. There is no other low priced American made Baritone which can compare with this one, either in appearance or playing qualities. We challenge a six day's trial against any other baritone at its price

No 30604 Made of finest quality brass, highly polished, artistically engraved, furnished with triple silver plated mouthpiece, water key, pearl fingerbuttons and music rack, high and low pitch $73.95

No 30614 Same as No. 30604; silver plated sand blast finish with fingerbuttons, valve caps, water key, mouthpiece engraving and inside of bell burnished 101.90

No. 30624 Same as No. 30614, with gold lined bell..... 113.30

Eb ALTO—HIGH AND LOW PITCH

A decidedly dependable instrument. It has perfect valve action, a true scale, is easy to blow and is a very graceful model.

No 30504 Same model as illustration, made of finest quality brass, highly polished, artistically engraved, furnished with triple silver plated mouthpiece water key pearl finger buttons music rack and low pitch slide $55.90

No 30514 Same as No. 30504 silver plated, sand blast finish, with finger buttons, valve caps, water key, mouthpiece, engraving and inside of bell burnished 76.00

No 30524 Same as No. 30514, with gold lined bell.. ..... 82.90

Eb BASS OR TUBA—HIGH AND LOW PITCH

No 30354 Finest quality tempered brass, highly polished, artistically engraved, water key pearl fingerbuttons, music rack and silver plated mouthpiece. High and low pitch.....$118.20

No 30374 Same as No 30354; silver plated, sand blast finish, with valve caps, fingerbuttons, water keys, mouthpiece medallion and inside of bell hand burnished . .. 162.30

No 30384 Same as No. 30374, with gold lined bell . 184.75

MELLOPHONE—HIGH AND LOW PITCH

This instrument is the only logical substitute for the French horn. It can take the place of Eb alto in brass band. It is in "F," but crooks are furnished with the instrument to place it in Eb, D and C. By using the "C" crook it makes it an ideal horn for home or church use, as any music can be played with piano or organ accompaniment without transposition.

No 30804 Same model as illustration, made of finest quality brass, highly polished, artistically engraved, supplied with water key, pearl finger buttons, music rack and silver plated mouthpiece Built in F, with crooks to Eb, D and C, both high and low pitch. Each.... $56.25

No 30814 Same as No. 30804; silver plated, sand blast finish with finger buttons, valve caps, water keys, mouthpiece, engraving and inside of bell burnished. Each..... 77.30

No. 30824 Same as No 30814, with gold lined bell Each..... 83.90

SAXOPHONES

Very highest quality American made Saxophones, with the latest improvements in mechanism and fingering. Workmanship and material is the best to be had Our Saxophones are guaranteed to be the peer of any on the market Can be furnished in the various keys and finishes as listed below

Descriptions of Finishes:

Finish A—Brass, highly polished.

Finish B—Silver plated satin finish, keys and inside of bell finely hand burnished

Finish C—Silver plated, satin finish keys hand burnished inside of bell heavily gold plated and burnished

Finish D—Silver plated satin finish with keys and inside of bell heavily gold plated and burnished.

Finish E—Gold plated all over, satin finish, with hand burnished keys and bell

Finish F—Gold plated and hand burnished all over.

Bb SOPRANO SAXOPHONE				C TENOR OR MELODY			
No 704A	Finish A	Each	$154.70	No. 174A	Finish A.	Each	$177.55
No 704B	Finish B.	Each	189.45	No 174B	Finish B	Each	227.50
No 704C	Finish C.	Each	194.20	No 174C	Finish C	Each	234.70
No 704D	Finish D.	Each.	313.30	No 174D	Finish D.	Each.	382.20
No 704E	Finish E.	Each.	378.30	No 174E	Finish E.	Each	345.10
No 704F	Finish F	Each	311.05	No 174F	Finish F.	Each.	405.25

Eb ALTO SAXOPHONE				Eb BASS			
No 714A	Finish A.	Each	$164.10	No. 744A	Finish A.	Each	$236.40
No 714B	Finish B.	Each.	210.90	No 744B	Finish B.	Each	401.00
No 714C	Finish C.	Each	216.80	No 744C	Finish C.	Each	421.25
No. 714D	Finish D.	Each	227.15	No 744D	Finish D.	Each	471.35
No. 714E	Finish E.	Each	314.80	No 744E	Finish E.	Each	559.60
No 714F	Finish F.	Each.	348.40	No 744F	Finish F	Each.	657.40

Bb TENOR SAXOPHONE				Eb BARITONE			
No. 724A	Finish A	Each	$180.50	No. 734A	Finish A.	Each	$226.60
No. 724B	Finish B.	Each.	233.00	No 734B	Finish B.	Each.	399.60
No 724C	Finish C.	Each.	238.05	No 734C	Finish C.	Each.	309.20
No 724D	Finish D.	Each	272.95	No 734D	Finish D.	Each.	345.80
No 724E	Finish E.	Each.	332.00	No 734E	Finish E.	Each.	450.90
No 724F	Finish F.	Each.	431.80	No 734F	Finish F.	Each.	554.90

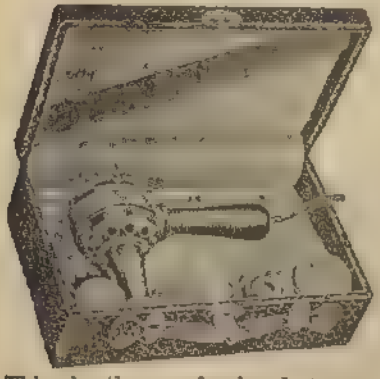
HAMILTON BEACH VIBRATORS

A 300 page book of instructions free with each Hamilton Beach Vibrator.

Designed especially for home use. A beautiful instrument, very compact and strong. Complete with cord and attachment plug (for connecting it to the electric light fixture) and six applicators all packed in a handsome carrying case of black leatherette lined with red satin. A speed-regulating switch enables the motor to be run fast or slow.

No. 20E—Type A, for 110 volt, 60 cycle A. C., w't 6 lbs., each $19.50

ONE IN A CARTON



This is the professional type of vibrator used by physicians, nurses and masseurs. It is of heavier construction and has a more powerful motor than the vibrator designed for home use. The deep, penetrating vibrations produced make it particularly suitable for cases requiring energetic treatment. The vibrator and six applicators come packed in a handsome black leatherette carrying case satin lined.

No. 21E—Type C, for 110 volts, 60 cycle A. C., w't 7 lbs., each $28.50

ONE IN A CARTON

HAMILTON BEACH VIBRATORS

Light, efficient for family or professional use.

Highly polished combination white metal die cast vibrator, no speed regulator, but a push-button in handle to start or stop instantly, seven feet of cord, attachment plug in a satin lined black leatherette carrying case.

No. 23E—Type "D", for 110 volts, 60 cycles, AC or DC, w't 6 lbs., each $16.50

ONE IN A CARTON

HAIR DRYER

The motor being in the center of Dryer balances it perfectly, fully enclosed so there is no danger of catching the hair. Either hot or cold air is available at the turn of the switch.

No. 22E—Highly polished aluminum, universal motor, operates on either AC or DC, 105 to 120 volts, 25 to 60 cycles, complete with 8 feet reinforced cord and attachable plug that will fit any light socket, w't 6 lbs., each $22.50

ONE IN A CARTON

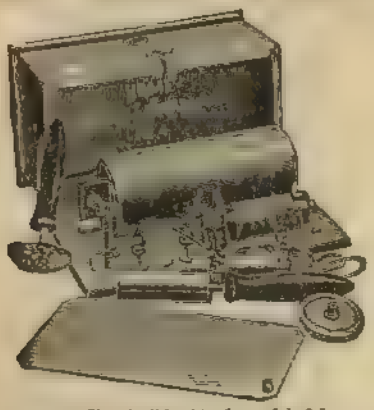
APOLLO MEDICAL APPARATUS

No. 2233E—8x9x7½ in. quarter oak highly polished case, heavy nickel plated trimmings and handle, one nickel plated foot plate electrode, two sponge electrodes, one massage roller electrode, one hair brush electrode, two nickel plated hand electrodes, two enameled electrode handles, two silk covered conducting cords, w't 10 lbs., batteries not included ..... each $25.20

HOUSEHOLD MEDICAL APPARATUS

No. 2215E—7½x5½x3½ in., polished quarter oak case, two metallic hand electrodes, one improved sponge electrode, one nickel plated foot plate, one electrode handle for sponge or hand electrode, one pair of battery cards. W't 4 lbs., batteries not included, each $10.00

HOME MEDICAL APPARATUS



No. 2204E—8x5¼x4½ in., highly polished mahogany case, strong metal, nickel plated handle, two four-foot conducting cords, with tips, two cylinder hand electrodes, two insulating handles, for use with either hand or sponge electrodes, two sponge electrodes, one foot plate electrode, w't 5½ lbs., batteries not included, each $14.00

VIOLET RAY MACHINE

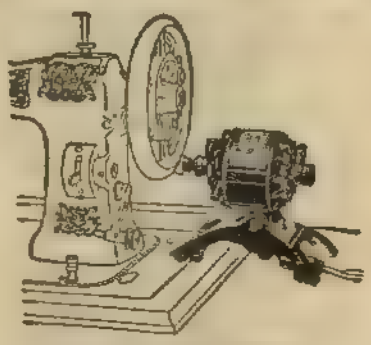
Master Universal 110 Volt. An electro medical apparatus used in cases of rheumatism, neuritis, etc. Magnet coils mounted in carrying case. Special type of resonator coils contained in hard rubber handle.

Handle and cords are shock proof. A reliable violet ray machine at a low price. Guaranteed against electrical defects for a period of one year from date of purchase.

No. 25E—60 Watt, in genuine Karatol carrying case, size 10x6x3½ in., w't 3½ lbs. .....each $18.70

ONE IN A CARTON

SEWING MACHINE MOTORS



JACK RABBIT TYPE.

No tools or screws. Place the home motor on machine next the wheel. Attach plug to any electric light socket, place little pedal on the floor. A slight pressure of your foot starts wheel, press harder to go faster. Stops the instant you remove foot.

No. 10E—Home motor, instantly attached to any standard make sewing machine, plain or drop head cabinet style, will operate on either direct or alternating current, 60 cycles, 110 volts, consumes no more current than an ordinary lamp, 10 ft. cord and plug .....each *$18.50*

Our reputation founded on over sixty-eight years' business stands back of the OHB brand.

All goods branded OHB are guaranteed to be of highest quality material and workmanship and free from imperfections.

In selling OHB articles there is a profit for you and satisfaction to your customers.

GRINDER AND POLISHER ATTACHMENTS

The outfit consists of a grinding wheel and a polishing wheel.

Grinding wheel may be readily attached and will sharpen knives and keep them always in the best of condition.

Polishing wheel has proven a wonderfull help in maintaining that newness and lustre in the silverware.

No. 15E—W't each 1 lb....each *$1.50*

ONE IN A BOX

CAKE MIXER ATTACHMENTS

A time and labor saver for mixing cake, whipping cream, beating eggs and mixing salad dressings.

No. 16E—W't each 2 lbs...each *$5.00*

FAN ATTACHMENTS

Easily placed in position and the fan guard snapped over the blades and you immediately have an efficient, high grade fan.

No. 14E—W't each 2 lbs. ..each *$3.00*

ONE IN A BOX

★ Items Marked Thus ★ Are Shipped From Factory Only.

Prices on Application

AMERICAN REVOLVING SCREW CASES

These cases are made of the best Tennessee poplar, cherry finish, or oak in natural, orange or antique finish, double top and bottom, with the grain of the wood crossed, glued and screwed together strong enough to bear three times the weight that can be put into them, iron standards screwed firmly into the iron hub in the bottom, making them perfectly true and solid. Front drawers are of best Norway pine provided with stops to prevent removal, each drawer labeled.

The perfect locking device for these cases is so arranged that all the drawers can be locked and unlocked at one time, a lever being attached to the case on the under side, and is only accessible to the person behind the counter. By pressing this lever down it unlocks the drawers and engages in a catch which holds it in this position until it is desired to again lock the drawer, when by a slight touch the lever is disengaged, thus locking the drawers.

When cases are used for fine tools or valuable articles, but one key provided, so only person having key has access.

State style case wanted, poplar or oak; with or without label holders; whether locking device, with or without key.

No. F1.
Built Especially to Accomodate Screws. With Knobs and without Label Holders.

	Poplar.				Oak.			
Nos.	**F1**	**F2**	**F3**	**F4**	**F01**	**F02**	**F03**	**F04**
No. drawers	72	80	88	96	72	80	88	96
Height, in.	33	36	39	42	33	36	39	42
Width, in.	21	21	24	25	21	21	24	25
W't, lbs.	130	130	134	134	130	130	134	134
Each	*$62 50★*	*70.65★*	*77.50★*	*83.15★*	*79.40★*	*87.50★*	*97.50★*	*106.25★*

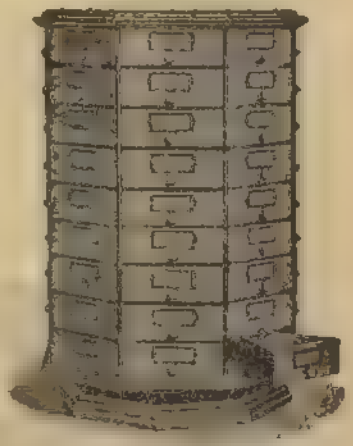
WITH KNOBS AND LABEL HOLDERS

Poplar.

Nos.	**F10L**	**F12L**	**F14L**	**F16L**
No. drawers	72	80	88	96
Height, in.	33	36	39	42
Width, in.	21	21	24	24
W't, lbs	125	125	130	130
Each	*$71.25★*	*75.00★*	*81.25★*	*87.50★*

Oak.

Nos.	**F010L**	**F012L**	**F014L**	**F016L**
No. drawers	72	80	88	96
Height, in.	33	36	39	42
Width, in.	21	21	24	24
W't, lbs.	125	125	130	130
Each	*$81.65★*	*90.60★*	*103.75★*	*115.00★*



No. F10L.
Especially Suitable for Screws, Bolts or any Small Articles, such as Automobile Parts, Etc.

LOCKING DEVICE

Nos. F1, F2, F01, F02, F10L, F12L, F010L, F012L,
With Locking Device, **without keys** ..... add to list *$12.50★*
With Locking Device, **with keys** ..... add to list *15.00★*

Nos. F3, F4, F03, F04, F14L, F16L, F014L, F016L,
With Locking Device, **without keys** ..... add to list *$15 60★*
With Locking Device, **with keys** ..... add to list *16.25★*

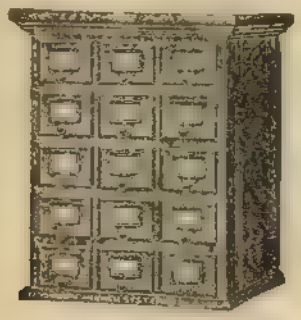
Write for Factory Catalogue Showing Other Sizes and Styles.
★ All Nos. F. O. B. Factory, Dayton, Ohio.

★ Items Marked Thus ★ are Shipped from Factory Only.

Prices on Application

WARREN STANDARD SCREW CASES

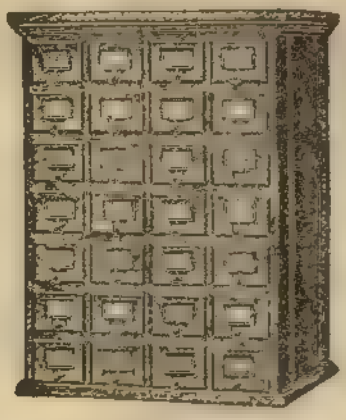
The exterior of all Warren Screw Cases is made of oak, antique oak rubbed dull finish, and the interior of soft wood, usually poplar. The backs are made of well seasoned, matched and beaded lumber and varnished. The drawers have sliding covers so arranged that only one compartment is open at a time. By removing drawers from screw case, contents of any particular compartment can be emptied in the hand or on the counter and returned, or goods from original packages emptied into the different compartments without danger of mixing the different sizes. All screw case drawers have pulls, card frame and cards attached to fronts and our inlaid price card on the side of each, where a record of the size, number, cost and selling price of the different sizes can be kept, opposite each compartment.



No. F6100—Case, 19⅜ in. high, 16½ in. wide, 15½ in. deep, contains 15 oak front drawers with sliding covers, with three removable partitions, forming four compartments in each—60 in all—approximate w't packed 70 lbs., each★ ... ...$.....

No. F6133—Case, 19⅜ in. high, 48½ in. wide, 15½ in. deep, contains 50 oak front drawers with sliding covers, with three removable partitions, forming four compartments in each—200 in all—approximate w't packed 175 lbs., each★ ....$.....

No. F6122—Case, 37½ in. high, 25⅜ in. wide, 15½ in. deep, contains 50 oak front drawers with sliding covers, with three removable partitions, forming four compartments in each—200 in all—approximate w't packed 175 lbs., each★ .....$.....



No. F6111—Case, 26⅜ in. high, 21 in. wide, 15½ in. deep, contains 28 oak front drawers with sliding covers, with three removable partitions forming four compartments in each—112 in. all—approximate w't packed 110 lbs., each★ ....$.....

Complete catalogue sent on application. Write us for prices.

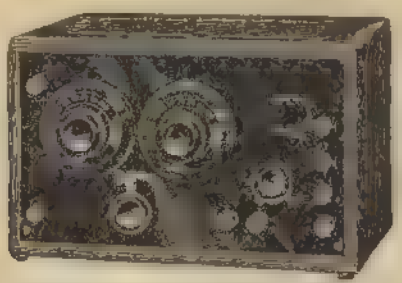
★ Items Marked Thus ★ Are Shipped From Factory Only.

RADIO EQUIPMENT

MONROE REGENERATIVE RECEIVERS

LICENSED UNDER THE ARMSTRONG PATENTS.

All parts of the Monroe set are carefully designed to secure the greatest efficiency. The tuning elements are shielded with a grounded aluminum plate to prevent the annoying effects of body capacity. Special care has been exercised, even in the position of the leads, to make it the most selective single circuit regenerative tuner on the market. Has an approximate range of 150 miles daytime, 800 to 1000 miles at night.

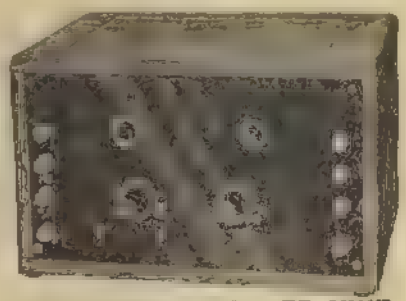


No. 9943E—Mahogany finished case, strongly built, size 11¼×7⅞×7 inches. Tuning consists of a seventeen plate rotary variable condenser and vario—coupler wound with double silk covered copper wire; Filament control rheostat permitting sensitive adjustment, Grid condenser with fixed leak; Primary inductance taps controlled by variable control switch; Bakelite panel and dials plainly marked; Non-loosening sotted nickel plated binding posts; Wave length 180 to 685 meters; Weight each 8 lbs. Batteries, tubes and head are not included. each $49 00

ONE IN A BOX

The Following is Needed to Complete the Above Set:

"A" BATTERIES .....See Page 1255
1—783E or 766E "B" BATTERIES .....See Page 1255
No. 9940E DETECTOR TUBES .....See Page 1258
HEAD SETS .....See Page 1256
ANTENNA WIRE .....See Page 1261
INSULATORS .....See Page 1261
No. 502E LEAD WIRE .....See Page 1282



TWO STAGE AMPLIFIER UNIT.

No. 9944E—Designed for use with 9943E Detector or any single tube detector unit; Mahogany finished case; Dimensions 11¼×7⅞×7 inches; This instrument consists of two high grade audio amplifying transformers, two sockets mounted on a baklite base, and two filament control rheostats permitting sensitive adjustments of the vacuum tubes; This amplifer combines maximum amplification without distortion of signals, quiet operation and simplicity of control; Weight each 8 lbs. Batteries, tubes, and headsets not included .....each $49.00

ONE IN A BOX

The Following is Needed to Complete the Above Set:

No. 9941E AMPLIFIER TUBES .....See Page 1258
2—767E BATTERIES .....See Page 1255

COMBINATION DETECTOR AND TWO STAGE AMPLIFER UNIT.

No. 9945E—This instrument combines the No 9943E Detecor Unit and the No. 9941E Two Stage Amplifier in one Cabinet; Dimensions 22½×7⅞×7 inches; The outfit with its two knob control is easily operated and with the addition of a loud speaker, music can be heard throughout an average size room; has Vernier Rheostat on detector tube. Weight each 16 lbs. Batteries, tubes, and head sets not included .....each $100.00

ONE IN A BOX

The Following is Needed to Complete the Above Set:

"A" BATTERIES .....See Page 1255
2—767E BATTERIES .....See Page 1255
1—No. 9940E DETECTOR TUBES .....See Page 1258
2—No. 9941E AMPLIFIER TUBES See Page 1258
HEAD SETS .....See Page 1256
ANTENNA WIRE .....See Page 1261
INSULATORS .....See Page 1261
No. 502E LEAD WIRE .....See Page 1282

POCKET KNIVES

★ENTERPRISE

American Made; Blades Made of High Grade American Steel; Carefully Forged, Ground and Tempered; Free from Flaws and Imperfections.

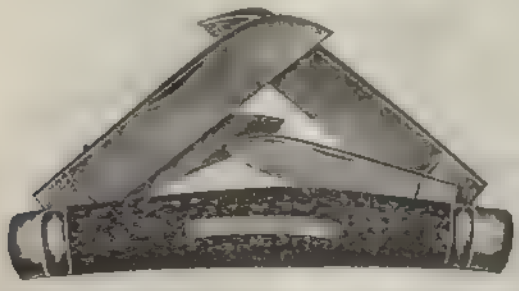
Three Spring Knife

Brass Lining; Nickel Silver Bolsters; Length, 3¾ inches; Large Spear, Large Spray and Leather Punch Blades; Glazed Finish

Per Dozen

No. X310ST—Stag Handle **$18 00**

Half Dozen in a Box; Weight per Dozen 3 lbs.

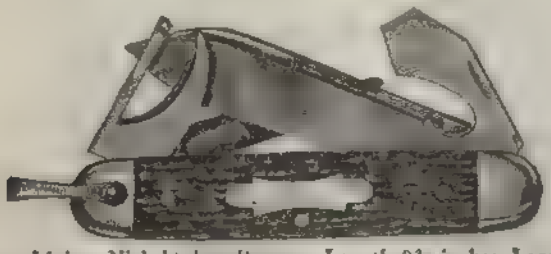


Brass Lining; Nickel Silver Bolsters; Length, 3¾ inches; Two Large Congress and Two Small Pen Blades, Glazed Finish; Nickel Silver Shield.

Per Dozen

No. X403ST—Stag Handle **$20 00**

Half Dozen in a Box, Weight per Dozen, 3½ lbs.



Brass Lining; Nickel Silver Bolsters; Length, 3¾ inches; Large Spear, Screw Driver, Leather Punch and Can Opener Blades; Glazed Finish Nickel Silver Shield

Per Dozen

No. X401—Stag Handle..... **$21 60**

Half Dozen In a Box; Weight per Dozen, 4 lbs.

POCKET KNIFE PURSES

Glove Fastener, Cadsan Assorted Colors, Silk Stitched.

Nos.	RB3	RB3½	RB4	RB5
Length, inches	3	3½	4	5
Weight per Gross, lbs.	1⅛	1½	1½	1¾
Per Gross	$14 40	14 40	14 40	14.40

Quarter Gross in a Box

GOLD FILLED POCKET KNIVES

Six Good Quality Gold Filled Waldemar Congress Knives Polished in Green Gold. The Very Latest Engine Turned Effects. Each Knife and Chain on Velvet Pad in Individual Box. The Six Boxes in a Special Container. The Complete Assortment Makes a Most Attractive and Salable Display.

Per Dozen

No. 1458—Size of Case, 10¼x6½ inches; Weight per Dozen, 2 lbs. **$48.00**

Six Waldemar Chain Knives. Soldered Link Chains and Two-Bladed Crucible Steel Knives. Each Knife and Chain on Velvet Pad in Individual Box. Six Boxes Assorted in Fancy Container.

Per Dozen

No. 1457—Size of Case, 12¾x5¾ inches; Weight per Dozen, 2 lbs... **$40.00**

Half Dozen Green Gold Filled Waldemar Chains and Knives. Knives are Finely Engraved Patterns with Two Full Polished Steel Blades. Chains are Single Soldered. Each Knife and Chain are on Velvet Pad in Individual Box and Six Boxes Come in Fancy Container with Easel Back.

Per Dozen

No. 1502—Size of Pad, 13¾x7 inches; Weight per Dozen, 1½ lbs **$29 00**

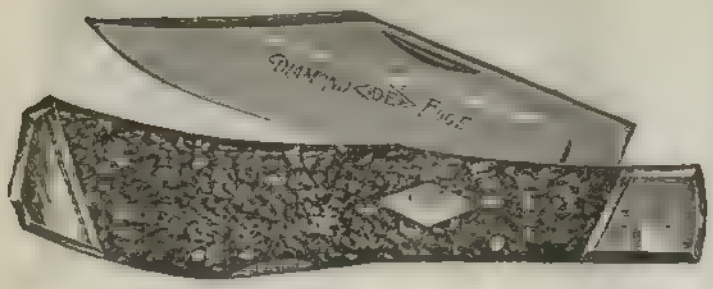
Six Gold Plated Waldemar Chains and Knives, Green Gold Finish, Latest and Best Selling Patterns. Each Knife and Chain on Velvet Pad in Individual Box. Six Boxes Assorted in Fancy Container. An Effective Put Up and Splendid Value.

Per Dozen

No. 1441—Size of Card, 11½x8 inches; Weight per Dozen, 2 lbs..... **$17.00**

HUNTING KNIVES

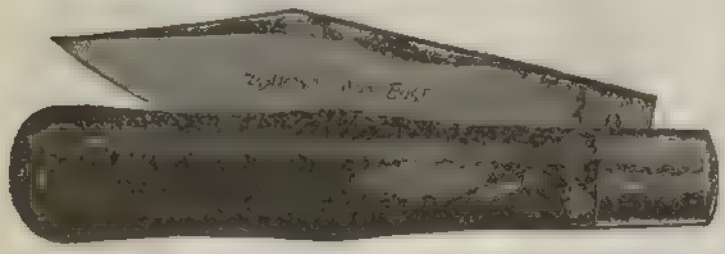
★DIAMOND EDGE



Brass Lining; Nickel Silver Cap and Bolster; Length, 4⅝ inches; Large Clip Blade; Half Polished; Etched; Nickel Silver Shield; Lock Back.

	Per Dozen
No. 1S79¾ST—Stag Handle	$42 00
No. 1S79¾E—Ebony Handle	42 00

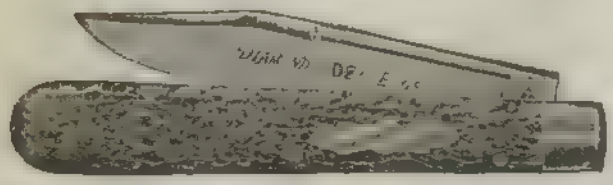
Half Dozen in a Box; Weight per Dozen, 4 lbs.



Steel Lining; Steel Bolster; Length, 5⅛ inches; Large Clip Blade; Glazed, Etched.

	Per Dozen
No. 1S78¾E—Ebony Handle	$32 40

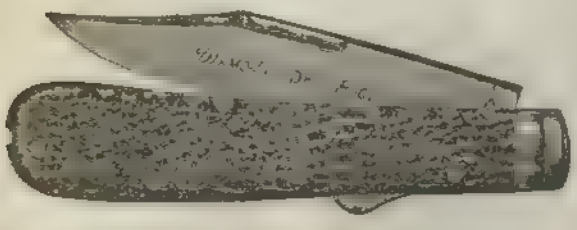
Half Dozen in a Box; Weight per Dozen, 4 lbs.



Brass Lining; Nickel Silver Bolster; Length, 4¼ inches; Large Clip Blade; Half Polished; Etched; Nickel Silver Shield; Lock Back.

	Per Dozen
No. 1S17¾ST—Stag Handle	$32 40

Half Dozen in a Box; Weight per Dozen, 4 lbs.



Steel Lining; Steel Bolster; Length, 4⅛ inches; Large Swaged Clip Blade; Half Polished; Etched; Lock Back.

	Per Dozen
No. 1S77¾ST—Stag Handle	$32 40

Half Dozen in a Box; Weight per Dozen, 4 lbs.

HUNTING KNIVES

★BRIDGE

Lock Back; Length, 4⅝ inches; Polished Steel Rat Tail Bolsters; One Large Clip Blade; Half Polished and Etched; Iron Lining; No Shield; Weight per Dozen, 2½ lbs.

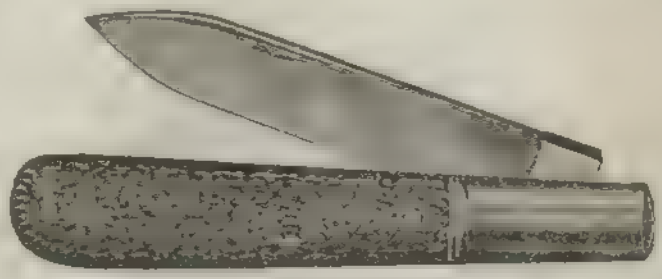
	Per Dozen
No. 1B77¾ST—Patent Stag Handle	$32 70

Half Dozen in a Box; Weight per Dozen, 4¼ lbs.

Steel Lining; Steel Bolsters; Length, 5¼ inches; Large Sabre Clip Blade, Half Polished, Etched; Nickel Silver Shield.

	Per Dozen
No. 1B3¾E—Ebony Handle	$26.40

Half Dozen in a Box; Weight per Dozen, 4¾ lbs.

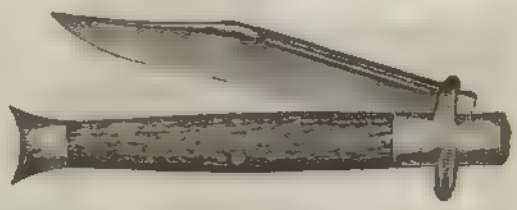


Steel Lining; Steel Bolsters; Length, 5 inches; Blades, Glazed Finish.

	Per Dozen
No. 1B188ST—Stag Handle; Large Spear Blade	$15 00
No. 1B188¾ST—Stag Handle; Large Clip Blade	15.00

Half Dozen in a Box; Weight per Dozen, 4½ lbs.

★ENTERPRISE



Brass Lining; Nickel Silver Bolsters; Length, 4 inches; Large Clip Blade; Half Polish

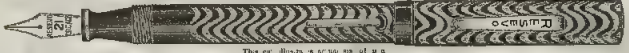
	Per Dozen
No. X102ST—Stag Handle	$14 00
No. X102AC—Assorted Celluloid Handle	14 00

Half Dozen in a Box; Weight per Dozen, 3 lbs.

FOUNTAIN PENS PENCIL & PEN SETS

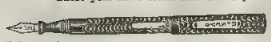
THE A. A. WATERMAN & CO. "RESEVO" PEN—Lever Self-Filling

Made and guaranteed by A. A. Waterman & Co., Chicago. (Not connected with L. E. Waterman & Co., New York.)

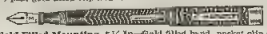


This cut illustrates actual size of pen

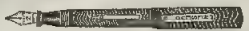
These pens have black chased and polished turned barrel, safety screw cap, 14k gold pen and iridium point



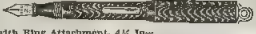
Full Length, 5¼ In—1 in box.
J5083—No. 2 pen, nickel pocket clip ..... Each, **$1.50**
J5084—No. 3 pen, gold filled pocket clip and lever ..... " **2.25**
J5085—No. 4 pen, gold filled clip and lever ..... " **2.50**



Full Length, Gold Filled Mounting, 5¼ In—Gold filled band, pocket clip and lever
J5090—No. 2 pen. 1 in box ..... Each, **$2.25**
J5091—No. 3 pen. 1 in box ..... " **3.00**



Vest Pocket Size, 4¼ In—
J5086—No. 2 pen, nickel pocket clip and lever 1 in box ..... Each, **$1.50**
J5087—No. 3 pen, gold filled pocket clip and lever 1 in box ..... Each, **$2.25**



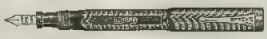
Short Length with Ring Attachment, 4¼ In—
J5088—No. 2 pen, gold filled lever and ring attachment. 1 in box ..... Each, **$1.50**
J5089—No. 3 pen, gold filled band, lever and ring attachment. 1 in box ..... " **2.25**

PARKER "LUCKY CURVE" FOUNTAIN PENS—Safety Self-Filler

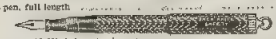
PARKER LUCKY CURVE SAFETY-SEALED FOUNTAIN PENS

This cut illustrates actual size of pen

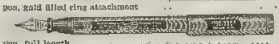
Length 5¼ in., lucky curve safety seal self-filler except J5050 chased barrel with clip, non-leakable, 14k gold pen, hard iridium point. Guaranteed by manufacturer for one year.



J5017 No. 2 pen, full length ..... Each, **$1.82**

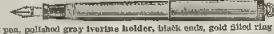


J5084 No. 3 pen, gold filled ring attachment ..... Each, **$2.00**



J5018 No. 3 pen, full length ..... Each, **$2.15**

J5019 No. 4 pen, full length ..... Each, **$2.82**



J5051 No. 2 pen, polished gray ivorine holder, black ends, gold filled ring attachment. Each, **$2.82**

J5020—No. 5 full length ..... Each, **$3.50**

PARKER "DUOFOLD" FOUNTAIN PENS—Safety Self-Filler

Red Chinese lacquer effect barrel, black ends, screw cap, gold filled pocket clip, 14k gold pen, hard iridium point guaranteed for 25 years.

J5027—Full size, 5¾ in ..... Each, **$5.25**
Lots of 3 or more, " **4.67**
" 14 " " **4.20**
J5028—Junior 4¾ in ..... Each, **$3.75**
Lots of 3, " **3.34**
Doz. lots or more, " **3.00**

"BLACK AND WHITE" SELF-FILLING FOUNTAIN PEN ASSORTMENT

J5002—2 styles, 5-full length, 5¼ in., with pocket clip 4 short length, 4 in. with ring attachment, highly polished black chased turned barrels, white ivory finish ends, 14k gold pens, iridium points, lever self-filling safety screw cap inc. sidefull boxes. Assrt. 1 doz. on easel display card ..... Doz **$8.50**

SELF-FILLING FOUNTAIN PEN On Display Card

J5052—5¼ in. black chased barrel turned (not molded), highly polished 14k gold pen, hard iridium points, lever self filler safety screw cap, pocket clip. Each in box 1 doz. on easel display card ..... Doz **$8.00**

"PETER PAN" MINIATURE FOUNTAIN PEN ASSORTMENT

The latest novelty—warranted to write right.

J5094 2¾ in. polished black barrel, screw cap white ivory finish end, gold plated ring attachment, 14k solid gold pen, iridium point each in box with drop filler doz. on colored card display card ..... Doz. **$3.50**

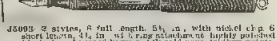
Gold and Silver Plated Pencils

With Black Sautoirs

A splendid sale leader and stimulator. Propelling and repelling.

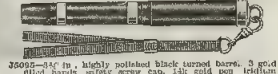
J5562—2 styles, 2¾ in. engine turned pencil, propels and repels 3 gold plated, 4 silver plated 36 in. black grosgrain ribbon sautoir engraved slide. Assrt. 1 doz. on display card. Doz. **$4.00**

SELF-FILLING FOUNTAIN PEN ASSORTMENT



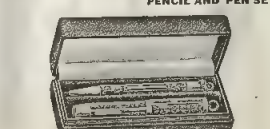
J5093 2 styles, 6 full length 5¼ in., with nickel clip 6 short length, 4¼ in. with ring attachment highly polished black chased turned barrel, 14k gold pens, iridium points lever self-fill, safety screw cap. Assrt. 1 doz. in velvet lined hardwood display tray ..... Doz **$8.50**

"ECLIPSE" GOLD FILLED MOUNTED FOUNTAIN PEN With black ribbon sautoir



J5095—3¼ in., highly polished black turned barrel, 3 gold filled bands, safety screw cap, 14k gold pen iridium point, lever self-filling, ring attachment, 36 in. black grosgrain ribbon sautoir with gold plated slide 1 on easel display card in box ..... Each, **$1.50**

GOLD FILLED COMBINATION PENCIL AND PEN SET



J5047 3½ in. fancy chased 10 k filled fo der, screw cap, ring attachment, lever self-filling 14k gold pen iridium point 3¼ in. gold filled propelling and repelling pencil. Each set in hinged plush display box ..... Set **$2.95**

FOUNTAIN PENS PENCIL & PEN SETS

THE A. A. WATERMAN & CO. "RESEVO" PEN—Lever Self-Filling

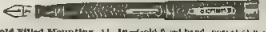
Made and guaranteed by A. A. Waterman & Co., Chicago. (Not connected with L. E. Waterman & Co., New York.)

This cut illustrates actual size of pen

These pens have black chased and polished turned barrel, safety screw cap, 14k gold pen and iridium point

Full Length, 5¾ in 1 in box

J5083—No. 2 pen, nickel pocket clip — Each, **$1.80**
J5084—No. 3 pen, gold filled pocket clip and lever — " **2.40**
J5085—No. 4 pen, rolled gold plate lever — " **2.85**



Full Length, Gold Filled Mounting, 5¾ in—

J5090—No. 2 pen, 1 in box — Each, **$2.40**
J5091—No. 3 pen, 1 in box — " **3.10**

Vest Pocket Size, 4½ in—

J5086—No. 2 pen, nickel pocket clip and lever, 1 in box — Each, **$1.65**
J5087—No. 3 pen, gold filled pocket clip and lever, 1 in box — " **2.40**

Short Length with Ring Attachment, 4½ in

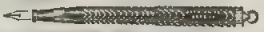
J5088—No. 2 pen, gold filled lever and ring attachment, 1 in box — Each, **$1.65**
J5089—No. 3 pen, gold filled lever and ring attachment, 1 in box — " **2.40**

PARKER "LUCKY CURVE" FOUNTAIN PENS—Safety Self-Filler

This cut illustrates actual size of pen

Length 5¼ in., jack knife safety seal self-filler, chased barrel with clip, non-breakable 14k gold pen hard iridium point. Guaranteed by manufacturer for one year.

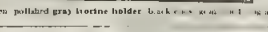
J5017—No. 2 pen, full length — Each, **$1.90**



J5024—No. 3 pen, full length — Each, **$2.10**

J5018—No. 3 pen, full length — Each, **$2.25**

J5019—No. 4 pen, full length — Each, **$3.00**



J5031—No. 2 pen, pollard gray bovine holder, black cross grain hard rubber barrel, lever self-filling, ring attachment — Each, **$3.00**

J5020—No. 5, full length. — Each, **$3.65**

PARKER "DUOFOLD" FOUNTAIN PENS—Safety Self-Filler

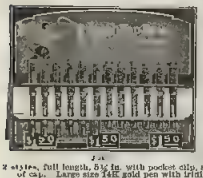
Red Chinese lacquer effect barrel, black ends, screw cap, gold filled pocket clip, 14k gold pen, hard iridium point guaranteed for 25 years.

J5027—Full size, 5¾ in — Each, **$5.25**
Lots of 3 or more, " **4.67**

J5025—"Junior" 4½ in — " **3.75**
Lots of 3, " **3.34**

"RAINBO TOP" SELF-FILLING FOUNTAIN PEN ASSORTMENTS—On Display Card—Fully Guaranteed

There is a big demand for Fountain Pens with colored tips. This is an exceptional value and will bring many repeat orders for you



Actual size of full size pocket pen

2 styles, full length, 5¾ in. with pocket clip, short length 4½ in. with ring attachment. Highly polished black chased barrel, assorted coral, blue, purple, green and white color tips on end of cap. Large size 14k gold pen with iridium points, safety screw cap

J5033 Assorted 6 long and 6 short on display card. Doz. **$9.50** | J5034—1 doz. long style only on display card. Doz. **$8.50** | J5035—1 doz. short style only on display card. Doz. **$8.50**

SELF-FILLING FOUNTAIN PEN

On Display Card

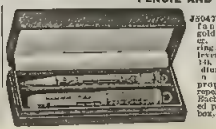
J5032—5½ in., black chased barrel, turned (not molded), highly polished 14k gold pen, hard iridium points, lever self filler, safety screw cap, pocket clip, each in box. 1 doz. on easel display card. Doz. **$9.50**

"PETER PAN" MINIATURE FOUNTAIN PEN ASSORTMENT

The latest novelty warranted to write right.

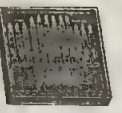
J5094—2½ in., polished black barrel, screw cap, white ivory finish end, gold plated ring attachment, 14k solid gold pen, iridium point, each in box with drop feeder. 1 doz. on colored easel display card.
Doz. **$8.50**

GOLD FILLED COMBINATION PENCIL AND PEN SET



J5047 8¾ in. fancy chased gold filled barrel, screw cap on screw ring set, lever filler, 14k gold pen, iridium point, gold filled propelling and repelling pencil. Each set in leatherette lined plush display box, flat. **$3.10**

SELF-FILLING FOUNTAIN PEN ASSORTMENT



J5093 2 styles, full length 5¾ in. with pocket clip, short length 4½ in. with ring attachment, highly polished black chased turned barrels, 14k gold pens, iridium points, lever self-filling safety screw cap. Assd. 1 doz. in velvet lined hardwood display tray
Doz **$9.00**

"ECLIPSE" GOLD FILLED MOUNTED FOUNTAIN PEN

With black ribbon sautoir

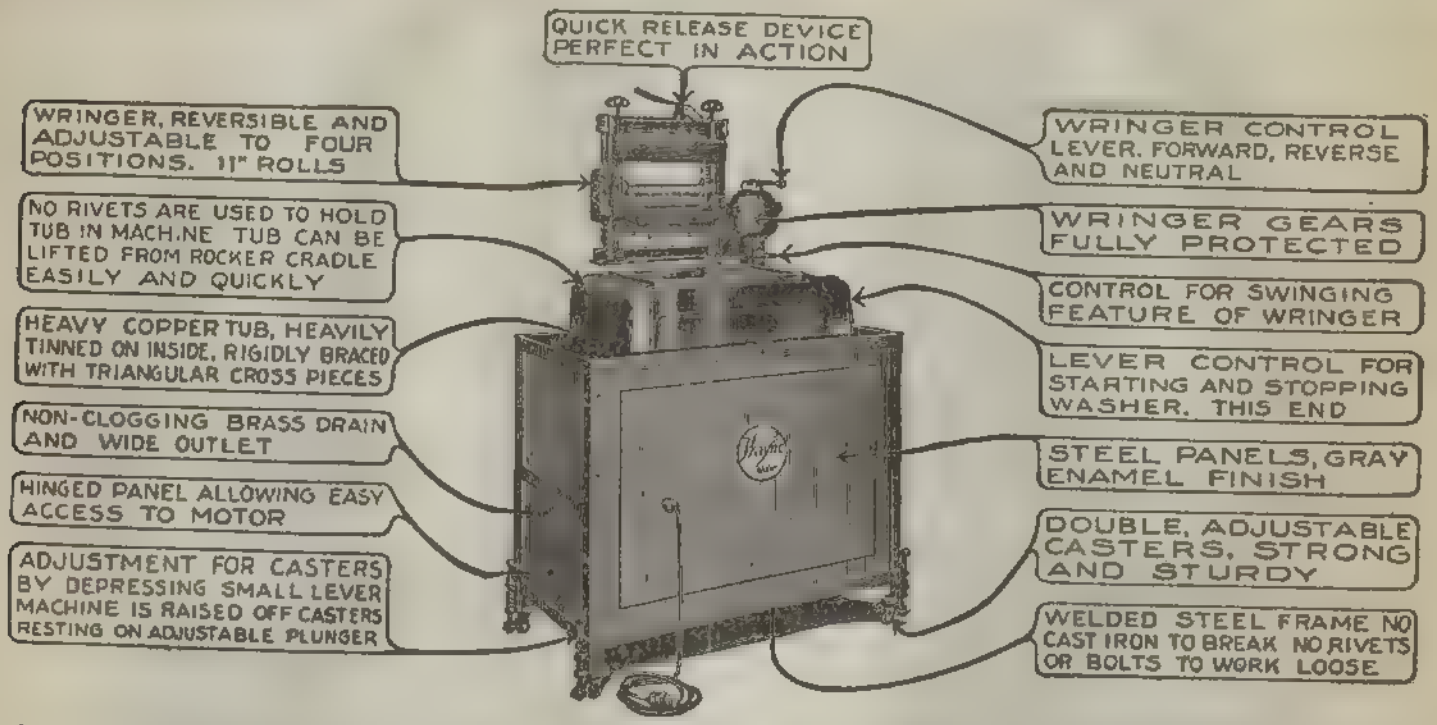
J5095—8¾ in., highly polished black turned barrel 3 gold filled bands, safety screw cap, 14k gold pen, iridium point, lever self-filling, ring attachment, 16 in. black grosgrain ribbon sautoir with gold plated slide. 1 on easel display card in box. Each, **$1.50**

ELECTRIC WASHING MACHINES

WAYNE

ELECTRIC

The Principal of the Wayne is the Same as the Time Honored Method of Washing Delicate Fabrics in a Mason Jar, Just Tossing the Most Delicate Lingerie, the Most Commonplace Household Linens or the Rag Rug Gently Back and Forth. The Rocking Motion is Obtained by Means of Curved Steel Rockers on Which the Removable Copper Tub Rests.


QUICK RELEASE DEVICE PERFECT IN ACTION
WRINGER, REVERSIBLE AND ADJUSTABLE TO FOUR POSITIONS. 11" ROLLS
NO RIVETS ARE USED TO HOLD TUB IN MACHINE TUB CAN BE LIFTED FROM ROCKER CRADLE EASILY AND QUICKLY
HEAVY COPPER TUB, HEAVILY TINNED ON INSIDE, RIGIDLY BRACED WITH TRIANGULAR CROSS PIECES
NON-CLOGGING BRASS DRAIN AND WIDE OUTLET
HINGED PANEL ALLOWING EASY ACCESS TO MOTOR
ADJUSTMENT FOR CASTERS BY DEPRESSING SMALL LEVER MACHINE IS RAISED OFF CASTERS RESTING ON ADJUSTABLE PLUNGER
WRINGER CONTROL LEVER. FORWARD, REVERSE AND NEUTRAL
WRINGER GEARS FULLY PROTECTED
CONTROL FOR SWINGING FEATURE OF WRINGER
LEVER CONTROL FOR STARTING AND STOPPING WASHER. THIS END
STEEL PANELS, GRAY ENAMEL FINISH
DOUBLE, ADJUSTABLE CASTERS, STRONG AND STURDY
WELDED STEEL FRAME NO CAST IRON TO BREAK NO RIVETS OR BOLTS TO WORK LOOSE

By Virtue of the Removable Tub the Wayne is Rendered Absolutely Sanitary and can be Kept Sweet and Clean at all Times. This Tub can, Without the Slightest Trouble, be Lifted from its Cradle, Thus Making it Possible to Keep the Inside of the Machine Free From Dirt and Filth. This also Gives Access to all Mechanical Parts of the Machine, thus Enabling Any Slight Adjustment Which Might be Necessary to be Made. The Tub is Constructed from Selected Copper, Tinned on the Inside and is Absolutely Free from Bolts or Rivets.

The Frame is Welded at Every Joint, thus Making One Solid Piece of Steel Free from Bolts and Rivets, and Impervious to Rust or Wear. The Rocker Cradle is Built the Same Way. The Side Panels are of Steel, Lacquered with Several Coats of Baked On Enamel and Securely Bolted to the Frame thus Enclosing all Moving Parts, Including the Motor.

All Double-Type Castors are Used and Foot Levers are Conveniently Located at Each Corner. When These are Depressed Plungers are Forced Down Lifting the Wayne Just High Enough to Swing the Castors Free from the Floor, Thus Making the Machine Absolutely Stationary.

The Wringer is Absolutely Up-to-Date in Every Respect. It is Reversible, has the Most Modern Quick Release Device, and is Adjustable to Three Positions; Therefore, it can be Used for Wringing Out One Batch of Cloths While the Other is Being Washed. It is Controlled by a Small Hand Lever and can be Operated Simultaneously with the Machine or Separately.

The Wayne is Equipped Throughout with Oilless Bearings, with the Exception of the Motor. This Overcomes the Great Difficulty of Making Women Understand the Necessity of Constant Lubrication, and also Eliminates any Possible Chance of Getting Oil on the Clothes.

The Motor is a One-Quarter Horsepower, and is of the Best Make Obtainable. Though Slightly Larger than Necessary, the Surplus Power Takes Care of Any Possible Chance of Overloads.

An Auxiliary Steel Drain Board Hooks to the Ridge of the Wringer Support on Either Side of the Wood Uprights of the Wringer, Completely Overcoming the Difficulty of Obtaining Perfect Drainage from the Wringer to the Tub.

A Large and Readily Accessable Drain Cock of Solid Brass and Non-cloggable, Carries the Water to a Large Pan. This in Turn Drains Through a Wide Spout which is Sufficiently High to Clear a Three Gallon Bucket. Should the Operator so Desire, a Hose can be Led Through the Drain Spout and Attached to the Drain Cock. By this Arrangement the Tub can be Emptied into Any Near-by Drain.

All Casting are Made from Highest Quality Grey Iron.

The Delicate Color Scheme Worked Out in Baked On Grey Enamel, Instinctively Carries the Suggestion of Refinement, Cleanliness and Durability. The Shining Copper Tub, Visible Above the Graceful Outlines of Frame Work Suggest Maximum Efficiency in a Minimum of Space, and the Concealment of all Working Parts Emphasizes Extreme Simplicity.

SPECIFICATIONS

Dimensions of Frame, 30x18x25¾ inches; Over All Dimensions, 38½x24½x53 inches; From Floor to Top of Frame, 30 inches From Floor to Bottom of Frame, 4¼ inches.

Dimensions of Top, 26x14½x14½ inches; Opening in Tub, 17 inches Long, 11¾ inches Wide Capacity of Tub, 6 Full Sized Sheets or 12 Shirts; Size of Wringer Rolls 1¾x11 inches.

Machine is Furnished with 110 A. C. 60 Cycle, Motor on 110 and 32 Volt Direct Current Motor. You Must Specify the Kind or Voltage of Motor Wanted; Odd Cycle Motors and Higher Voltage can be Furnished on Special Quotation.

	Each
No. WE—Weight, Crated, 341 lbs. One in a Crate	$144.00

WASHING MACHINES

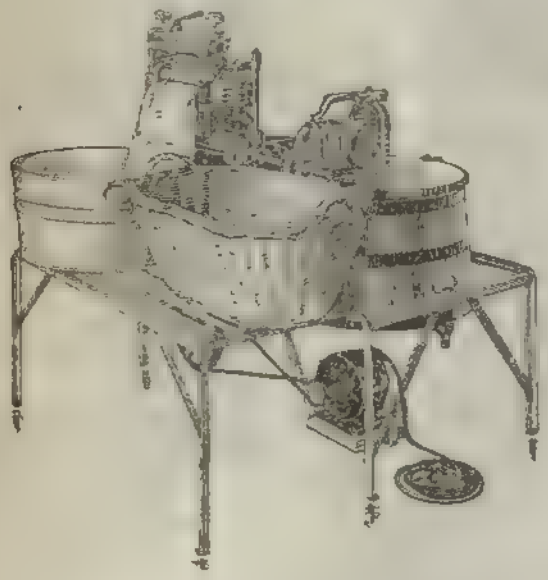
WAYNE VACUUM

ELECTRIC

Constructed on the Vacuum Principle, Having a Vacuum Agitator with an Up and Down Movement which Positively will not Tear or Injure the Finest Fabrics. It will Thoroughly Cleanse in Less Time than the Old Method. Agitator Heavily Galvanized Metal and Indestructible—Easy Running, Fast Washing and is a Complete Power Laundry on a Small Scale

Platform and Frame—Angle Iron, Strongly Supported; the Left or Supplementary Half Being Removable for Space Saving Between Wash Days. Hardwood Platform Strips Bolted to Frame. Platform Arranged to Support Wash Basket and Two Wash Tubs. Platform and All Metal Parts Green Enameled.

Washing Tub—Solidly Mounted on End of Main Platform. Select Southern Louisiana Red Cypress; Double Reinforced Corrugated Lid and Corrugated Sides and Bottom; Bound with Three Flat, Iron Hoops; Inside Dimensions—12½ inches Deep; 21 inches in Diameter at Top, 23 inches in Diameter at Bottom.



Motor—¼ Horsepower, 110 Volt, 60 Cycle, Single-Phase Alternating Current or 110 Volt Direct Current. Complete with 10 feet Brewery Cord with Switch Connection, Tub and Plug Connection for Incandescent Lamp Socket. When Ordering, State Whether for Direct or Alternating Current.

	Each
No. OJE—Weight, Crated, 260 lbs.....	$156 00

One in a Crate

WASHING MACHINES

WAYNE VACUUM

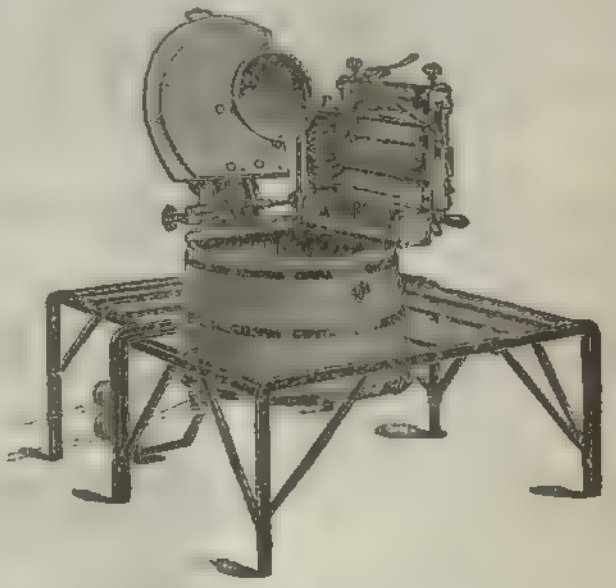
BELT POWER—GASOLINE

Capacity—From Eight to Ten Shirts or the Equivalent of from Three to Four Full Size Sheets.

Wringer—Power Driven; Reversible at Will and can be Swung and Locked in any Desired Position; Rollers Made of Guaranteed High Grade Rubber; 11x1¾ inches; Enclosed Gears; Quick Lever Release Affording Instant Releases Should Anything be Caught or Clogged Between them.

Dimensions—Entire Machine Set Up in Working Order, Length Over All 47 inches; Width 47 inches; Height of Frame 21½ inches. With Supplementary Platform Removed, 47x28 inches.

Finish—The Entire Machine, Platform, and Castings are Painted Gray; the Hoops are Striped with Gold Bronze.



Note—When Ordering, State the Speed of Engine or Shaft and Give Size of Driver Pulley so we Can Equip Washer with Proper Size Pulley to Give it the Correct Speed of 120 R. P. M.

Complete with All Necessary Pulleys, etc., but Belt is Not Included.

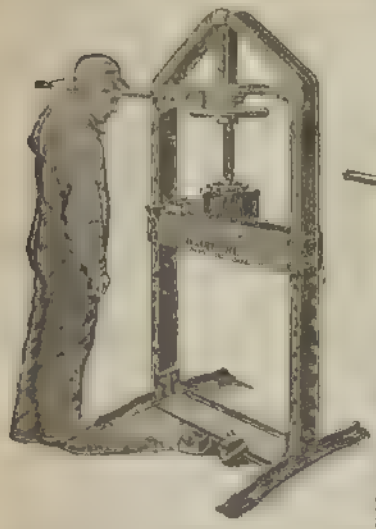
	Each
No. OJB—Weight, Crated, 240 lbs.....	$108.00

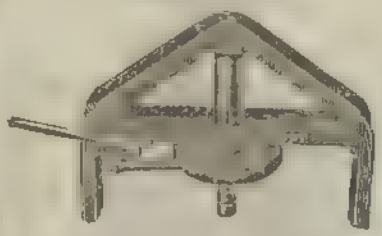
One in a Crate

MAIL US YOUR ORDERS OFTEN. WE BELIEVE THAT OUR PRICES WILL AVERAGE AS LOW OR LOWER THAN YOU CAN PROCURE THE GOODS FOR FROM OTHER SOURCES. WE TAKE SCRUPULOUS CARE TO HAVE THE DESCRIPTIONS IN OUR CATALOG ACCURATE IN EVERY RESPECT.

GARAGE PRESSES

WEAVER
Capacity 20 Tons





Designed for Auto Repair Shop and Garage, Adapted to a Great Variety of Operations.

Construction and Operation — The [illegible] Heavy Steel Channel Steel. A Heavy Hand Wheel, [illegible] Provides [illegible] for Ordinary Light Jobs. [illegible] Pressure for Lower Construction, Shown in the [illegible] Cut, is Applied. This Provides a **Leverage of 1500 to 1 and Enables a Pressure of 20 Tons to be Easily Accomplished.**

The Bolster for Height Upon the Uprights of the Frame The Maximum Adjustment is 48 inches Between Plate and Bottom of Screw. The Weight of the Wheel and Screw Rests upon Heavy Ball Bearings which Enables the Wheel to Spin the Screw Up or Down Quickly. The Screw has a Range of Movement of 12 Inches. The Thrust is Directed **Against Heavy Bronze Thrust Bearings.** The Screw Does Not Revolve, which Gives it a Rigid Bearing upon the Work.

Equipment A Pair of Vice Blocks is Provided for Holding Round and Irregular Pieces. Two Channel Blocks [illegible] Required Regularly for Straightening Gears, etc., when being Pressed off of Shafts, etc. The Blocks Shown Protruding to Either Side of the Bolster Furnish a Very Wide Bearing for Straightening Very Heavy Bars of Shafts, etc.

Each

No. WEAVER 32—Width of Frame 32 inches; Height Over All 72 inches; Shipping Weight 440 lbs. **$160 00**

No. WEAVER 42—Width of Frame 42 inches; Height Over All 72 inches; Shipping Weight 500 lbs. **$190 00**

One in a Crate

PULLER ATTACHMENTS FOR WEAVER PRESS

Is designed essentially for service with the Weaver 20-Ton Press.

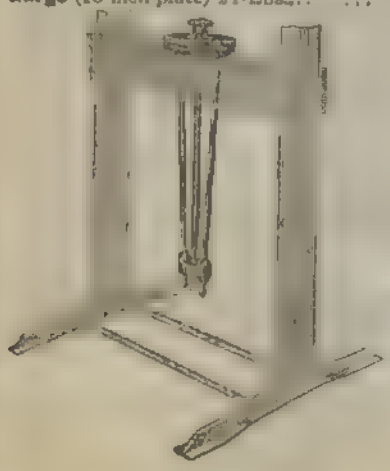
There are many small, delicate Ball Races, Gears, Etc., Used in the Construction of Generators, Motors, Etc., which Cannot be Handled on any Press to Advantage or with Perfect Safety, without this Attachment.

Jaws Made of Very High Quality Spring Steel, supported with Strong Heavy Brackets. Their Position is adjusted as desired by Means of Heavy Thumb Screws.

Each

Small (9-inch plate) 10 lbs. **$11 00**

Large (10-inch plate) 24 Lbs. **19 00**



REAR AXLE PULLER ATTACHMENT FOR WEAVER PRESS

For Replacing the Pinions on the Axle; the Supporting Block at the Lower End of the Rods is Slightly Hollowed to Receive the Lower End of the Rods; Can be Used with Longer Rods; Reinforced Face Plate to Stand a Heavy Strain. ⅝-inch Rods 36 inches Long; Made from High Carbon Steel.

Each

No. WAPF—Complete With Face Plate; Weight 35 lbs. **$18.00**

No. WAP—Less Face Plate; Weight 11 lbs. ... **$9.00**

One in a Crate

AUTOMOBILE HOISTS

WEAVER

One of the Most Convenient and Useful Articles of Garage Equipment on the Market Now. It is Truly the Overhead Span under the Car, Allowing Ample Room for Two or more Mechanics to Work with Absolute Freedom.

OCCUPIES SMALL AREA

The Peculiar Design of this Hoist Permits it to be Operated in very Cramped Quarters. It can be Run into Position Over a Car in a Crowded Shop without Requiring More than 12 to 14 Inches Space on Either side of the Car.

GREAT RANGE OF APPLICATION

There is No Work Which can be Performed by the Ordinary Block and Tackle or Crane which Cannot be Performed to Better Advantage by this Auto Hoist. This Hoist can also be Adapted to Many Conditions Absolutely Impossible to meet with the Ordinary Hoists.

TELESCOPING FRAME

The Frame is Designed so as to Permit the Height of the Arch to be Increased Approximately 12 inches Allowing the uprights to be Raised to the Desired Height in the Braces on Either side, by Means of the Chain Hoist. This Increased Height Enables the Hoist to Raise the Rear End of a Limousine or a Touring car with the Top up, for Removing the Rear System.

SINGLE SUSPENSION

One Chain of the Hoist may be Carried Over the Pulley in the Center of the Frame for Performing Work which can be Handled to Better Advantage by a Single Suspension than by a Double Suspension from Each Corner of the Frame.

SAFETY

In Designing this Hoist Particular Pains was taken to Provide a very Great Margin of Safety. The All-steel Construction throughout is much Heavier and Stronger than is Absolutely Necessary to Enable it to satisfactorily Perform the Work Demanded of it in the Ordinary Garage.

Each Chain, Before Being Mounted in the Hoist, is Subjected to an Individual Test.

The Hoisting Mechanism is Operated by Worm Drive which is Absolutely Safe and Positive. There are no Gears nor Ratchets to Slip or Break and Allow the Load to Fall.

CONSTRUCTION

Hoist is Carried upon Four Ball and Roller Bearings Casters 5 inches in Diameter Which Permit it to be Transported with Perfect Ease. The Construction Throughout is of Steel Giving the Greatest Possible Strength in Comparison with its Height.

Each

No. WAH—Height 8 to 9 Feet; Weight 500 lbs. **$240 00**

One in a Crate

CREEPERS

An Appealing Device to Those who Have been Compelled to Suffer the Annoyance of Dirt and Grease by Lying on their Backs Underneath a Car; Made Entirely of Steel and Therefore Indestructible; Large Black Enameled Duck Pillow, Filled with Sea Weed.

Each

No. AC—Length 36 inches; Width 15 inches; Weight 15 lbs. **$5 00**

Loose

PULL-OUTS

HOCKADAY

An Absolute Necessity When Traveling on Unpaved Country Roads. Don't Wait for Someone to Pull You Out; Let Your Car do the Work. Outfit Consists of an Iron Drum Pulley that Fastens to Rear Hub, Twenty feet of Half inch Manila Rope and a Steel Pin.

To Attach and Operate:

Take Off Rear Hub Cap on Driving Side of Car, Screw Pull-Out Drum on Hub, Attach One End of Rope to Drum, Other End to Pin, Stretch Rope Full Length to in Front of Car, Drive Stake in Ground, Jack-up Rear End of Car, Turn On Power and the Rope will Wind Around the Drum, Thereby Pulling the Car Out

No. HP1—Fits Ford and Chevrolet.
No. HP2—Fits Dodge.
No. HP3—Fits Hupmobile, Maxwell 1918 Essex.
No. HP4—Fits Overland 1990, Studebaker Light Six.
No. HP5—Fits Buick D45, E45, H45 and K45, Velie.
No. HP6—Fits Packard Light Six.
No. HP7—Fits Marmon.
No. HP8—Fits Buick K45-21-45.
No. HP9—Fits Maxwell 1920-1921.
No. HP10—Fits Chalmers, Hudson.
No. HP11—Fits Studebaker Special.
No. HP12—Fits Haynes.

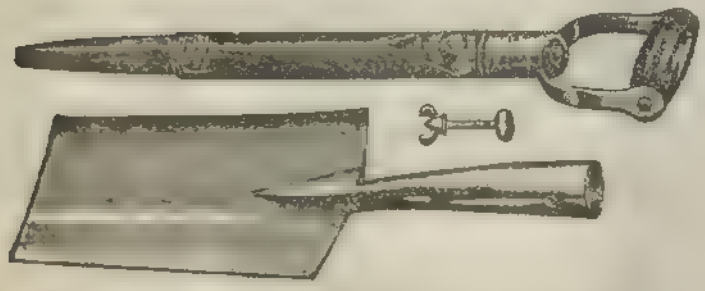
Each

All Numbers: Weight Each, 7 lbs.....**$15 00**

Loose

AUTOMOBILE SPADES

★CONQUEROR



Blade and Socket Forged from One Piece of Special Analysis Steel Carefully Tempered in Oil; Socket Split at the Back to Permit Tightening Handle Should Be Wood Screw, Hot-Drop Forged Steel Straight Close Grained Ash, Smooth Finish and Stained Dark Mission Color; Malleable D Handle with Wood Grip.

Handle Fits into Socket and is Held in Place by Thumb Bolt and Nut; Can be Instantly Taken Apart.

Per Dozen

No. CAS—Polished Blade, 9½x6x6 inches; Mission Finish Handle and Grip, 12½ inches Long; Length Over all Set up, 29 inches; Weight per Dozen, 42 lbs.....**$33 00**

Twelfth Dozen in a Box

AUTOMOBILE SPADES

TRUE TEMPER

Will Work in the Closest Space, Down Under the Fender; You Don't have to Put it Together and its Always Ready. Can be Stored Under the Seat.

Forged Steel Blade and Shank; Gold Bronzed Ferrule; Handle Made of White Ash; Malleable D with Wood Grip; Size of Blade, 5x8 inches; 21 inches Long Over All; Weight Each, 25 ounces.

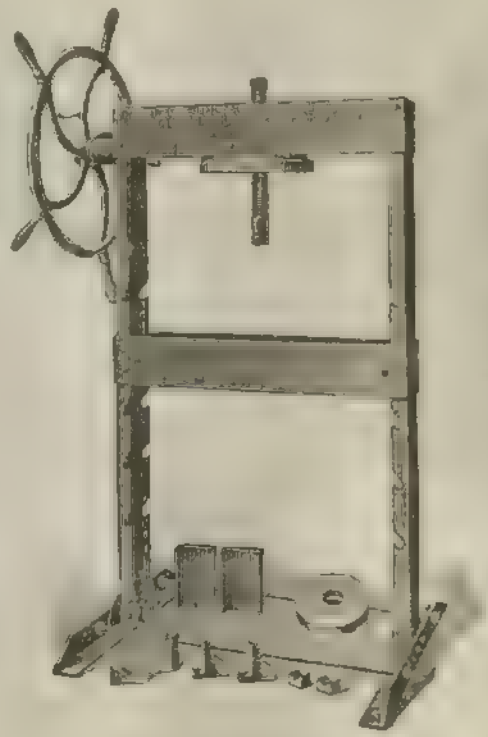
Per Dozen

No. AFSD—Polished Blade; Ash Handle; Malleable D with Wood Grip; Weight Per Dozen, 19 lbs.....**$17.00**

Half Dozen in a Bundle

GARAGE PRESSES

CHAMPION



Capacity, 30 Tons

The Most Powerful Hand Press Manufactured—for Garage and Shop Use; Leverage [illegible] to 1. One Hundred Pounds Exerted on Hand Wheel Develops Seventy-five Tons Pressure on Screw, Making it Possible to Press, Straighten or Pull All Classes of Work in Garage and Machine Shops. Full Equipment Comprises Eight Machines as Illustrated.

The Hand Wheel is Geared 3 to 1, with Heavy Enclosed Bevel Gears Operating a 2 inch Diameter, 4 Pitch Acme Screw. The Hand Wheel Being Geared 3 to 1 Gives the Operator Three Times the Power with the Same Effort or Will do the Same Work with One-third The Effort. The Hand Wheel Weighing 57 Pounds, is Used as Fly Wheel to Run the Spindle Up or Down Quickly, Acting as a Quick-Return—a Feature no Other Press has. The Table Can be Raised or Lowered by One Man—Without Pulling Bolts or Pins Out—by Merely Lowering or Raising One Side at a Time in Notch Desired. This Table is Heavier and Stronger than Ordinary Presses and the Bolted Frame Acts as a Safety Device in Case Press is Overtaxed.

Built of 5 inch Channel Steel Uprights. Cross Bars 6 inches Wide, ⅝ inch Thick; Height to Top Frame, 65 inches; Width Between Uprights, 32 inches; Up and Down Travel of Spindle, 9 inches; Occupies Floor Space, 36x39 inches.

Each

No. C30—Complete Equipment, as Illustrated; Weight Each, 485 lbs.....**$150.00**

One in a Crate

GASOLINE STORAGE OUTFITS

WESTERN

(Approved by the National Board of Fire Underwriters)

10 GALLON VISIBLE AIR PRESSURE PUMP

Visible Glass Cylinder—Is Made of Heavy, Clear Flint Glass, the Figures on Same Being in Bright Red and Black Arrows Indicate Liquid Level Line. The Cylinder is Protected by a Metal Screen Which is Removable.

Cabinet—The Cabinet or Pump Housing is Made of Sheet Metal, the Door being Lowered to Open Cabinet.

Pump—Is Our Long Distance Type, Adjusted to Measure gallons. Requires but a 5 lb. Air Pressure to Fill Glass Container. Air Pressure is Secured from Compressor Used for Filling Tires. The Pump Measures the Exact Amount Desired into the Glass Container, the Latter Merely Acting as a Check on the Pump and to Show Customer Just What He is Receiving

Gallon Meter—Keeps an Accurate Check on All Gasoline Drawn Up to 100,000 gallons.

Filter—Is Mounted on Pump Plate and All Gasoline is Filtered and Strained from Water and Other Impurities Before it Enters Glass Cylinder. The Accumulation of Foreign Matter May be Drained from Filter at Will.

Automatic Hose Drain—An Automatic Drain Valve is Attached to Pump Which Allows Hose to Drain Out Clean as Soon as Flow Stops.

Hose and Filling Nozzle—With Each Pump We Furnish a 10 foot Metal Hose, Rubber and Cotton Covered; Fitted with Adjustable Brass Couplings.

Shut Off Cock—Pump is Equipped with an Instantaneous Shut Off Cock, by Merely Raising or Lowering the Lever the Supply Line is Opened or Closed

Electric Lamp—A 10 inch Semi-Indestructible Globe is Furnished. Wires are Ready for Connecting to Local Circuit. No Lamp Bulbs Furnished.

Finish—Pump and Cabinet are Highly Finished in Vermilion and Black, Other Colors at the Option of Purchaser.

Dimensions of Pump—Height, 10 feet, 8 inches; Diameter, 20 inches; Shipping Weight, 550 lbs.

		Each
No. 10AP—10 gallon Air Pressure Pump Only; Including Auxiliary Tank, Check and Swing Valves	$765.00	450 00
Auxiliary Hand Pump—When so Desired, We Will Equip Above Outfit with a Hand Pump that Will Fill the 10 gallon Container in Thirty Seconds	85.00	50.00

One in a Crate

GASOLINE STORAGE OUTFITS

WESTERN

(Approved by the National Board of Fire Underwriters)

5 GALLON VISIBLE CURB OUTFIT

Open

Visible Glass Cylinder—Is Made of Heavy, Clear Flint Glass, the Figures on Same Being in Bright Red and Black Arrows Indicate Liquid Level Line. The Cylinder is Protected by a Metal Screen Which is Removable

Cabinet—The Cabinet or Pump Housing is Made of Sheet Metal, the Door Being Lowered to Open Cabinet.

Pump—Is Our Long Distance Piston Type, Adjusted to Measure 1, 2, 3, 4 or 5 gallons at a Stroke, 9 inch Seamless Brass Cylinder; ¾ inch Brass Piston Rod; Heavy Brass Valves and Stuffing Box; Cut Steel Gears, Bronze Bushed and Protected by Gear Guard; Case Hardened Bearings and Spindles. The Pump Measures the Exact Amount Desired into the Glass Container, the Latter Merely Acting as a Check on the Pump and to Show Customer Just What He is Receiving.

Automatic Gear Shift—For Quick Return of Rack Bar, Which Can be Reversed in a Ratio of One Reverse Motion to Five Forward Turns.

Gallon Meter—Keeps an Accurate Check on All Gasoline Drawn Up to 99,999 gallons.

Filter—Is Mounted on Pump Plate and All Gasoline is Filtered and Strained from Water and Other Impurities Before it Enters Glass Cylinder. The Accumulation of Foreign Matter May be Drained from Filter at Will.

Closed

Automatic Hose Drain—An Automatic Drain Valve is Attached to Pump Which Allows Hose to Drain Out Clean as Soon as Flow Stops.

Hose and Filling Nozzle—With Each Pump We Furnish 10 feet of 1 inch Metal Hose, Rubber and Cotton Covered and Having Adjustable Brass Couplings, the Filling Nozzle is Fitted with Fine Brass Removable Strainer.

Shut Off Cock—Pump is Equipped with an Instantaneous Shut Off Cock, by Merely Raising or Lowering the Lever the Supply Line is Opened or Closed.

Electric Lamp—A 12 inch Canteen Shaped Globe is Furnished. Wires are Ready for Connecting to Local Circuit. No Lamp Bulbs Furnished.

Finish—Pump and Cabinet are Highly Finished in Vermilion Enamel, with Nickel Trimmings and Gold Lettering. Other Colors at the Option of Purchaser.

Dimensions of Pump—Height, 9 feet, 9 inches; Diameter, 15 inches; Shipping Weight, 550 lbs., 2 inch Suction Pipe.

If Not Wanted with Foot Valve, Deduct $10.00 from List Price

		Each
No. 5VO—5 gallon Visible Pump Only, Complete with Foot Valves	$663.00	390.00

One in a Crate

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE

✠GASOLINE STORAGE OUTFITS

WESTERN

(Approved By the National Board of Fire Underwriters)

No. 125 Open Without Lamp

No. 125—PREMIER ROADWAY OUTFIT

Cabinet—The Cabinet or Pump Housing is Made of Sheet Metal, the Door Being Lowered to Open Cabinet. When Door is Raised it Automatically Fastens and is Locked by a Brass Pad Lock. The Door Slides Work in Grooves and Door is Raised and Lowered with Little Effort.

Pump—is of Our Long Distance Type, Adjusted to Measure 1, 2, 3, 4 or 5 Gallons at a Stroke, 9 inch Seamless Brass Cylinder, ⅞ inch Brass Piston Rod, Heavy Brass Valves and Stuffing Box, Cut Steel Gears, Bronzed, Bushed and Protected by Gear Guard, Case Hardened Bearings and Spindles, Normal Capacity Twenty-five Gallons per Minute.

Gallon Meter—Keeps an Accurate Check On All Gasoline Drawn Up to 99,999 Gallons.

Gravity Filter—is Attached Below Pump Cylinder and Forms an Integral Part of the Pump. It Strains the Gasoline from Water and Other Foreign Matter Which Cravitates Down to the Settling Chamber and is Drawn Off Through Auxiliary Pump Attached to Pump Plate.

Discharge Register—Automatically Tallies Every 5 Gallons Pumped from 0 to 50 Gallons and is Reversible from any Point.

Hose Draining Valve—The 1¼ inch Discharge Pipe Extends 24 inches Above Pump and Terminates in a Hose Draining Valve that Automatically Shuts Off the Supply and Allows the Hose to Drain Out Clean.

Hose and Filling Nozzle—Each Outfit Comes Equipped with 8 feet of 1¼ inch Steel Lined Hose and Open Type Filling Nozzle with Strainer. Nozzle End of Hose is Locked in Cabinet When Not in Use.

Removable Pump Handle—Handle May be Slipped Off and Carried in the Building, Making Pump Fool and Meddler Proo.

Finish—Pump and Cabinet are Highly Finished in Vermilion Enamel, with Nickel Trimmings and Gold Lettering.

Tanks—Are Built in Any Capacity and Any Gauge of Galvanized Steel; Riveted and Soldered Throughout.

Dimensions of Pump—Height to Top of Cabinet, 60 inches, Height to Top of Drain Valve, 88 inches. Height to Top of Light Globe, 98 inches. Diameter of Base, 18 inches. Shipping Weight, 500 lbs.

No. 25 Closed With Electric Lamp

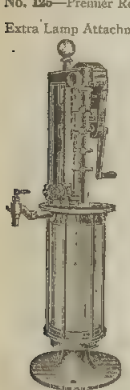
OUTFITS WITH 12 GAUGE TANKS

Nos.	Barrels	Gallons	Shipping Wt., lbs.		Each
12512/2	2	120	730	$544 00	320 00
12512/3	3	170	790	569 50	340 00
12512/4	4	220	850	595 00	356 00
12512/5	5	280	910	620 50	375 00
12512/7	7	390	1000	671 50	405 00
12512/9	9	500	1110	722 50	435 00
12512/10	10	550	1150	748.00	440 00
12512/15	15	800	1340	850.00	560 00
12512/18	18	1000	1610	900 50	345 00
12512/20	20	1100	1710	952 00	960 00

OUTFITS WITH 14 GAUGE TANKS

Nos.	Barrels	Gallons	Shipping Wt., lbs.		Each
12514/2	2	120	690	$527 00	310 00
12511/3	3	170	740	547 10	322 00
12514/4	4	220	790	567 50	334 00
12514/5	5	280	840	588 20	345 00
12514/7	7	390	940	629 00	370 00
12514/9	9	500	1020	669 80	394 00
12514/10	10	550	1070	690 20	406.00

		Each
No. 125—Premier Roadway Pump Only; With Foot Valve	$493 00	290 00
If Not Wanted with Foot Valve, Deduct $10.00 $17.00 from Above List Price.		
Extra Lamp Attachment for No. 125 Pumps	34 00	20.00



No. 52—Mogul Standard Equipment

No. 52—MOGUL GASOLINE STORAGE OUTFIT

PUMP MEASURING 1, 2, 3, 4 OR 5 GALLONS

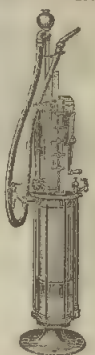
STANDARD EQUIPMENT

The Pump is Adjusted to Measure Either 1, 2, 3, 4 or 5 Gallons at a Stroke; is Built of Heavy Wrought and Cast Iron, with Cylinder, Valves, Stuffing Box and Piston Rod of Brass; Cut Steel Gears, Bronzed Bushed and Protected by Rear Guard; Case Hardened Bearings and Spindles; Positive Locking Device; Discharge Register, Etched Aluminum Indicator; Independent Nozzles for Hose Connections or for Filling Cans; Automatic Gear Shift; Finished in Vermilion Enamel and Polished Brass with Nickel Trimmings; Normal Capacity Twenty-five Gallons per Minute.

The Tanks are Built of Steel, Riveted and Soldered Throughout and Painted with Three Coats Rust-Resisting Paint, Fitted with Double Brass Foot Valves, Double Full Pipes with Strainers and Lock Cap.

OUTFITS WITH 12 GAUGE TANKS

Nos.	Barrels	Gallons	Wt., lbs.		Each
5212 2	2	120	610	$382.50	225 00
5212 3	3	170	680	408.00	240 00
5212 4	4	220	750	433 50	255 00
5212 5	5	280	820	459 00	270 00
5212 7	7	390	960	510 00	300 00
5212 9	9	500	1100	561 00	330 00
5212 10	10	550	1170	586 50	345 00
5212 15	15	800	1400	688 50	405.00
5212/20	20	1100	1650	790.50	465.00



No. 52—Mogul Fully Equipped

OUTFITS WITH 14 GAUGE TANKS

Nos.	Barrels	Gallons	Wt., lbs.	Each	Nos.	Barrels	Gallons	Wt., lbs.	Each
5214 2	2	120	570	$363 80	214.00	5214/7	7	390	870	$465 80	274 00
5214/3	3	170	630	384 20	226 00	5214 9	9	500	990	500 60	298.00
5214/4	4	220	690	404 60	238 00	5214/10	10	550	1050	527 00	310 00
5214/5	5	280	750	425 00	250 00						

PUMPS ONLY

	Each
No. 52—Pumps Only, Complete with Foot Valves	$314.50 185 00

EXTRA ATTACHMENTS

	Each
100,000 Gallon Meter	$42.50 25 00
Gravity Filter	42 50 25 00
Hose Draining Valve	17.00 10.00

Items Marked ✠ Not Carried in Stock. Shipped from St. Louis Factory

GASOLINE OUTFITS

WESTERN 5 GALLON VISIBLE CURB PUMP WITH COMBINATION PISTON AND VISIBLE PUMP

VISIBLE GLASS CYLINDER—Is made of heavy, clear flint glass, the figures on same being in bright red and black arrows indicate liquid level line. The cylinder is protected by a metal screen which is removable. Cylinder is securely fitted to top and bottom castings by six stay rods and by removing the nuts from bottom of stay rods, cylinder may be taken down at any time inside should require cleaning.

The cabinet or pump housing is made of sheet metal, the door being lowered to open cabinet, when door is raised it automatically fastens and is locked by a brass padlock. The door slides work in grooves and door is raised and lowered with little effort.

PUMP—Is Long Distance Piston type, adjusted to measure 1, 2, 3, 4, or 5 gallons at a stroke, 3-inch seamless brass cylinder., ⅝ inch brass piston rod., heavy brass valves and stuffing box., cut steel gears, bronze bushed and protected by gear guard., case hardened bearings and spindles. The pump measures the exact amount desired into the glass container.

AUTOMATIC GEAR SHIFT—For quick return of rack bar, which can be reversed in a ratio of one reverse motion to five forward turns.

GALLON METER—Keeps an accurate check on all gasoline drawn up to 99999 gallons at which point it reverts to 00000, making it a continuous meter. The figures are large and legible stamped into the metal, it is built with the precision of a watch.

FILTER—Is mounted on pump plate and all gasoline is filtered and strained from water and other impurities before it enters glass cylinder. The accumulation of foreign matter may be drained from filter at will.

An automatic drain valve is attached to pump which allows hose to drain out clean as soon as flow stops.

With each pump is furnished 10-ft. of 1-inch metal hose, rubber and cotton covered and having adjustable brass couplings, the filling nozzle is fitted with fine brass removable strainer.

Pump is equipped with an instantaneous shut off cock, by merely raising or lowering the lever, the supply line is opened or closed.

A 12-inch canteen shaped globe is furnished, fitted with socket inside for lamp and two weather proof fibre sockets are located on top on either side of glass cylinder. Wires are ready for connecting to local circuit. No lamps furnished.

Handle may be shipped off and carried inside of building, making pump fool and meddler proof.

QUANTITY STOPS—For, 1, 2, 3, 4 and 5 gallons are located in front on pump standard., to change measurement it is but necessary to push in the nickeled disc stamped with the quantity desired, turn pump handle and the exact amount is discharged into glass container above.

Pump and cabinet are highly finished in vermillion enamel, with nickel trimmings and gold lettering.

DIMENSIONS OF PUMP—Height 9 feet, 9 inches, diameter 15 inches, shipping weight 350 lbs., 2-inch suction pipe.

Outfits guaranteed to be as represented and the manufacturer agrees to make good any defects in material or workmanship which may develop within one year from date of sale.

Are built of either 12 or 14 gauge galvanized steel, welded thruout except the flanges which are riveted and welded to tank, thus making a leak proof tank. Furnished complete with double brass foot valves, suction pipe in tank, 3¼-inch by 2-inch reducing plug, double full pipes with strainers, lock cap, lock and keys and with measuring stick to determine amount in tank. Each tank is fitted with three flanged openings, 2-inch for full pipe, 1 inch for overflow return pipe and 3¼ inch for reducing plug and 2-inch suction pipe. Tanks are inspected and bear the approval label of a National Board of Fire Underwriters.

WITH 12-GAUGE TANKS

Nos.	CAPACITY Bbls.	CAPACITY Gals.	Shipping Weight	Each
F12	2	120	780 lbs.	$420.00★
F12	3	170	840 lbs.	435.00★
F12	4	220	900 lbs.	450.00★
F12	5	280	960 lbs.	465.00★
F12	7	390	1050 lbs.	495.00★
F12	9	500	1160 lbs.	525.00★
F12	10	550	1200 lbs.	540.00★
F12	15	800	1400 lbs.	600.00★
F12	18	1000	1680 lbs.	635.00★
F12	20	1100	1780 lbs.	660.00★

WITH 14-GAUGE TANKS

Nos.	CAPACITY Bbls	CAPACITY Gals	Shipping Weight	Each
F14	2	120	740 lbs.	$410.00★
F14	3	170	790 lbs.	422.00★
F14	4	220	840 lbs.	434.00★
F14	5	280	890 lbs.	446.00★
F14	7	390	990 lbs.	470.00★
F14	9	500	1070 lbs.	494.00★
F14	10	550	1130 lbs.	506.00★

14 gage tanks made only up to 10-bbl. size.

Above prices include lag bolts for fastening pump, locks and keys and two 2-inch galv. pipe unions

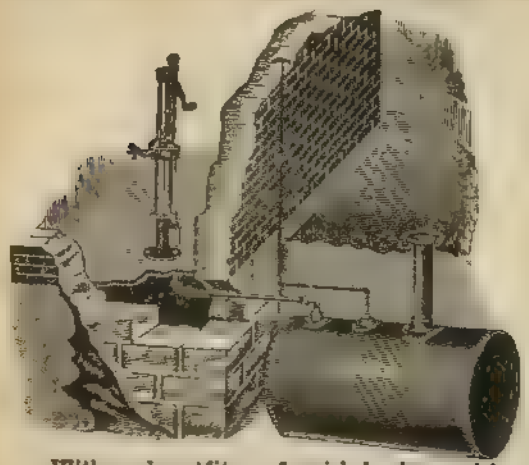
PUMP ONLY without tank, ... each★ 380.00

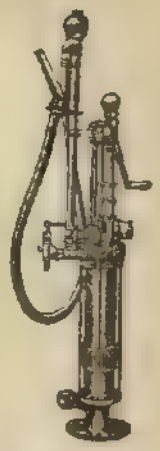
FOR KINDRED GOODS SEE PAGE 2245

GASOLINE OUTFITS

Prices on Application

IMPERIAL LONG DISTANCE





The pump is adjusted to measure gallons, half-gallons, quarts or pints at a stroke, is built of cast and wrought iron with cylinders, valves, stuffing-box, and piston rods of brass. Gears are all cut steel. Furnished in vermilion enamel with nickel trimmings.

The pump is equipped with **discharge register** which automatically tallies every gallon up to 10 that is pumped; has **safety automatic shut-off cock** and **locking device.** Requires but two and one-half turns of the handle to discharge a gallon, giving an actual pumping capacity of ten gallons per minute.

Tanks are built of galvanized steel, riveted and soldered throughout and protected by three coats of rust-resisting paint. Each tank is filled with **heavy brass double foot valves, double fill pipes** with strainers and lock cap.

With each outfit we furnish **locks and keys, bolts for fastening pumps, measuring stick** for tank, **two 1¼ inch pipe unions** and complete instructions for installing. **We do not furnish pipe.**

Pumps and tanks are tested, labeled and **approved by the National Board of Fire Underwriters. Equipment guaranteed** against defect in material or workmanship for a period of three years.

	No. F17512—12 Gauge Tanks.					No. F17514—14 Gauge Tanks.				
Capacity, bbls.	1	2	3	4	5	1	2	3	4	5
Capacity, gal.	65	120	170	220	280	65	120	170	220	280
Weight, each, lbs.	300	370	440	510	580	270	330	390	450	510
Each	$110.00★	125.00★	140.00★	155.00★	170.00	102.00★	114.00★	126.00★	138.00★	150.00★

EXTRA ATTACHMENTS

Gallon Meter—Continous, keeps an accurate check on all gasoline drawn up to 9999 gallons a which point it reverts back to 0000. Even tenth of a gallon shown in red figures, so the value of small quantities of oil may be closely computed. in use. $25.00

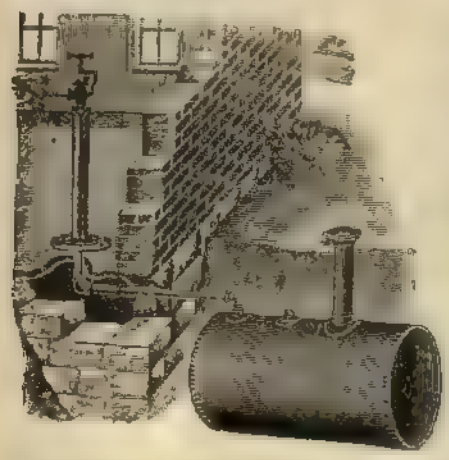
Gravity Filter—Attached below pump cylinder and made an integral part of pump. Strains gasoline from water and other impurities which are drawn off through auxiliary pump attached to pump plate. Pump securely locked when not each $15.00

Hose Draining Valve—Attaches to discharge pipe and automatically shuts off supply, thus allowing hose to drain clean. each $10.00

Hose—Steel lined ★ ..... per foot $1.00

Filling Nozzle—Open type ★ $2.50

Shut-Off Type ★ $5.00



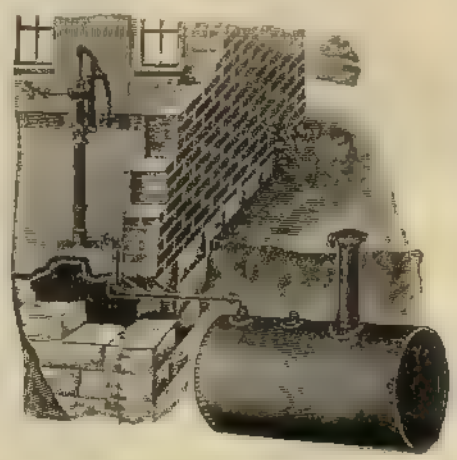
LITTLE GEM OUTFIT.

The pump has a seamless brass cylinder, safety automatic shut-off cock and brass plunger and valves. It is fitted with locking device and brass lock and duplicate keys.

The tank is built of galvanized steel and is fitted with fill pipes having double strainers and lock cap.

It is furnished with measuring rod for tank, brass locks, pipe unions, bolts for fastening pumps to floor. Complete instructions for installing.

No. F3714—	14 Gauge Tank.			No. F3716 16 Gauge Tank.		
Capacity, bbls.	1	2	3	1	2	3
Capacity, gals.	65	120	170	65	120	170
W't, each, lbs.	175	225	325	175	225	325
Each	$35.00★	47.00★	59.00★	30.00★	40.00★	50.00★



Perfection OUTFIT.

Fitted with lever handle. Pump discharges approximately a quart at a stroke and is fitted with locking device and safety automatic shut-off cock. Complete with all the requirements of the National Board of Fire Underwriters. Hose can be used on all these pumps the nozzle being fitted with hose connections and with extensions for filling cans.

	No. F4714 14 Gauge Tank.			No. F4716 16 Gauge Tank.		
Capacity, bbls.	1	2	3	1	2	3
Capacity, gals.	65	120	170	65	120	170
W't, each, lbs.	225	275	325	200	240	280
Each	$52.00★	64.00★	76.00★	47.00★	57.00★	67.00★

★ **Items Marked Thus ★ Are Shipped from Factory Only.**

GASOLINE STORAGE OUTFITS

WESTERN

(Approved by the National Board of Fire Underwriters)

10 GALLON VISIBLE AIR PRESSURE PUMP

Visible Glass Cylinder—Is Made of Heavy, Clear Flint Glass, the Figures on Same Being in Bright Red and Black Arrows Indicate Liquid Level Line. The Cylinder is Protected by a Metal Screen Which is Removable.

Cabinet—The Cabinet or Pump Housing is Made of Sheet Metal, the Door being Lowered to Open Cabinet.

Pump—Is Our Long Distance Type, Adjusted to Measure gallons. Requires but a 5 lb. Air Pressure to Fill Glass Container. Air Pressure is Secured from Compressor Used for Filling Tires. The Pump Measures the Exact Amount Desired into the Glass Container, the Latter Merely Acting as a Check on the Pump and to Show Customer Just What He is Receiving.

Gallon Meter—Keeps an Accurate Check on All Gasoline Drawn Up to 100,000 gallons.

Filter—Is Mounted on Pump Plate and All Gasoline is Filtered and Strained from Water and Other Impurities Before it Enters Glass Cylinder. The Accumulation of Foreign Matter May be Drained from Filter at Will.

Automatic Hose Drain—An Automatic Drain Valve is Attached to Pump Which Allows Hose to Drain Out Clean as Soon as Flow Stops.

Hose and Filling Nozzle—With Each Pump We Furnish a 10 foot Metal Hose, Rubber and Cotton Covered, Fitted with Adjustable Brass Couplings.

Shut Off Cock—Pump is Equipped with an Instantaneous Shut Off Cock, by Merely Raising or Lowering the Lever the Supply Line is Opened or Closed.

Electric Lamp—A 19 inch Semi-Indestructible Globe is Furnished. Wires are Ready for Connecting to Local Circuit. No Lamp Bulbs Furnished.

Finish—Pump and Cabinet are Highly Finished in Vermilion and Black, Other Colors at the Option of Purchaser.

Dimensions of Pump—Height, 10 feet, 8 inches; Diameter, 20 inches; Shipping Weight, 550 lbs.

	Each	
No. 10AP—10 gallon Air Pressure Pump Only Including Auxiliary Tank, Check and Swing Valves..	$765 00	450 00
Auxiliary Hand Pump—When so Desired, We Will Equip Above Outfit with a Hand Pump that Will Fill the 10 gallon Container in Thirty Seconds.....	85 00	50.00

One in a Crate

GASOLINE STORAGE OUTFITS

WESTERN

(Approved by the National Board of Fire Underwriters)

5 GALLON VISIBLE CURB OUTFIT

Open

Visible Glass Cylinder—Is Made of Heavy, Clear Flint Glass, the Figures on Same Being in Bright Red and Black Arrows Indicate Liquid Level Line. The Cylinder is Protected by a Metal Screen Which is Removable.

Cabinet—The Cabinet or Pump Housing is Made of Sheet Metal, the Door Being Lowered to Open Cabinet.

Pump—Is Our Long Distance Piston Type, Adjusted to Measure 1, 2, 3, 4 or 5 gallons at a Stroke, 9 inch Seamless Brass Cylinder; ¾ inch Brass Piston Rod; Heavy Brass Valves and Stuffing Box; Cut Steel Gears, Bronze Bushed and Protected by Gear Guard; Case Hardened Bearings and Spindles. The Pump Measures the Exact Amount Desired into the Glass Container, the Latter Merely Acting as a Check on the Pump and to Show Customer Just What He is Receiving.

Automatic Gear Shift—For Quick Return of Rack Bar, Which Can be Reversed in a Ratio of One Reverse Motion to Five Forward Turns.

Gallon Meter—Keeps an Accurate Check on All Gasoline Drawn Up to 99,999 gallons.

Filter—Is Mounted on Pump Plate and All Gasoline is Filtered and Strained from Water and Other Impurities Before it Enters Glass Cylinder. The Accumulation of Foreign Matter May be Drained from Filter at Will.

Closed

Automatic Hose Drain—An Automatic Drain Valve is Attached to Pump Which Allows Hose to Drain Out Clean as Soon as Flow Stops.

Hose and Filling Nozzle—With Each Pump We Furnish 10 feet of 1 inch Metal Hose, Rubber and Cotton Covered and Having Adjustable Brass Couplings, the Filling Nozzle is Fitted with Fine Brass Removable Strainer.

Shut Off Cock—Pump is Equipped with an Instantaneous Shut Off Cock, by Merely Raising or Lowering the Lever the Supply Line is Opened or Closed.

Electric Lamp—A 12 inch Canteen Shaped Globe is Furnished. Wires are Ready for Connecting to Local Circuit. No Lamp Bulbs Furnished.

Finish—Pump and Cabinet are Highly Finished in Vermilion Enamel, with Nickel Trimmings and Gold Lettering. Other Colors at the Option of Purchaser.

Dimensions of Pump—Height, 9 feet, 9 inches; Diameter, 15 inches; Shipping Weight, 550 lbs., 2 inch Suction Pipe.

If Not Wanted with Foot Valve, Deduct $10 00 from List Price

	Each	
No. 5VO—5 gallon Visible Pump Only; Complete with Foot Valves.....	$663.00	390.00

One in a Crate

✠GASOLINE STORAGE OUTFITS

WESTERN

(Approved By the National Board of Fire Underwriters)

No. 125—PREMIER ROADWAY OUTFIT

No. 125 Open With Electric Lamp

Cabinet—The Cabinet or Pump Housing is Made of Sheet Metal, the Door Being Lowered to Open Cabinet; When Door is Raised it Automatically Fastens and is Locked by a Brass Pad Lock; The Door Slides Work in Grooves and Door is Raised and Lowered with Little Effort.

Pump [illegible], Adjusted to Measure 1, 2, 3, 4 or 5 Gallons at a Stroke, [illegible] Piston Rod; Heavy Brass Valves and Stuffing Box; Cut Steel [illegible] and Protected by Gear Guard; Case Hardened Bearings and Spindles; Normal [illegible] Gallons per Minute.

Gallon Meter—Keeps an Accurate Check On All Gasoline Drawn Up to 99,999 Gallons.

Gravity Filter—Is Attached Below Pump Cylinder and Forms an Integral Part of the Pump. It Strains the Gasoline from Water and Other Foreign Matter Which Gravitates Down to the Settling Chamber and is Drawn Off Through Auxiliary Pump Attached to Pump Plate.

Discharge Register—Automatically Tallies Every 5 Gallons Pumped from 0 to 50 Gallons and is Reversible from any Point.

Hose Draining Valve—The 1¼ inch Discharge Pipe Extends 24 inches Above Pump and Terminates in a Hose Draining Valve that Automatically Shuts Off the Supply and Allows the Hose to Drain Out Clean.

Hose and Filling Nozzle—Each Outfit Comes Equipped with 8 feet of 1¼ inch Steel Lined Hose and Open Type Filling Nozzle with Strainer. Nozzle End of Hose is Locked in Cabinet When Not in Use.

Removable Pump Handle—Handle May be Secured and Carried in the Building, Making Pump Fool and Meddler Proof

Finish—Pump and Cabinet are Highly Finished in Vermilion Enamel, with Nickel Trimmings and Gold Lettering

Tanks Are Built to Any Capacity and Any Gauge of Galvanized Steel, Riveted and Soldered Throughout.

Dimensions of Pump—Height to Top of Cabinet, 60 inches; Height to Top of Drain Valve, 86 inches; Height to Top of Light Globe, 98 inches; Diameter of Base, 18 inches; Shipping Weight, 500 lbs.

No. 125 Closed With Electric Lamp

OUTFITS WITH 12 GAUGE TANKS

Nos.	Barrels	Gallons	Shipping Wt., lbs.		Each
12512 2	2	120	730	$544 00	[illegible]
12512 3	3	170	790	569 50	[illegible]
12512 4	4	220	870	595 00	[illegible]
12512 5	5	280	940	620 50	[illegible]
12512 7	7	390	1090	671 50	[illegible]
12512 9	9	500	1240	722 50	[illegible]
12512 10	10	550	1350	748 00	[illegible]
12512 15	15	800	1340	850 00	[illegible]
12512 18	18	1000	1610	909 50	[illegible]
12512 20	20	1100	1710	952 00	[illegible]

OUTFITS WITH 14 GAUGE TANKS

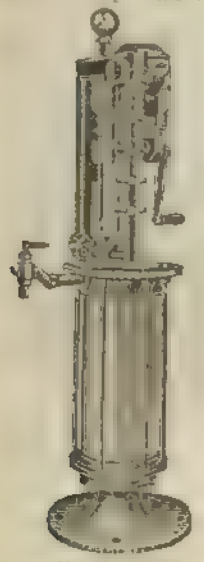
Nos.	Barrels	Gallons	Shipping Wt., lbs.		Each
12511 2	2	120	700	$527 00	[illegible]
12511 3	3	170	760	547 40	[illegible]
12511 4	4	220	790	567 80	[illegible]
12511 5	5	280	860	588 20	[illegible]
12511 7	7	390	940	629 00	[illegible]
12511 9	9	500	1050	669 80	[illegible]
12511 10	10	550	1070	690 20	[illegible]

		Each
No. 125—Premier Roadway Pump Only; With Foot Valve	$493 00	290 00
If Not Wanted with Foot Valve, Deduct	$17.00	from Above List Price.
Extra Lamp Attachment for No. 125 Pumps	34 00	20 00

No. 52—MOGUL GASOLINE STORAGE OUTFIT

PUMP MEASURING 1, 2, 3, 4 OR 5 GALLONS

STANDARD EQUIPMENT



No. 52—Mogul Standard Equipment

The Pump is Adjusted to Measure Either 1, 2, 3, 4 or 5 Gallons at a Stroke; is Built of Heavy Wrought and Cast Iron; with Cylinder, Valves, Stuffing Box and Piston Rod of Brass; Cut Steel Gears, Bronzed Bushed and Protected by Rear Guard; Case Hardened Bearings and Spindles; Positive Locking Device; Discharge Register; Etched Aluminum Indicator; Independent Nozzles for Hose Connections or for Filling Cans, Automatic Gear Shift, Enameled in Vermilion and Polished Brass with Nickel Trimmings. Normal Capacity Twenty-five Gallons per Minute.

The Tank is to be Built of Steel, Riveted and Soldered Throughout and Painted with Three Coats Rust-Resisting Paint; Fitted with Double Brass Foot Valves, Double Fill Pipes with Strainers and Lock Cap.

OUTFITS WITH 12 GAUGE TANKS

Nos.	Barrels	Gallons	Wt., lbs.		Each
5212 2	2	120	610	$382 50	[illegible]
5212 3	3	170	680	408 00	[illegible]
5212 4	4	220	750	433 50	[illegible]
5212 5	5	280	820	459 00	[illegible]
5212 7	7	390	960	510 00	[illegible]
5212 9	9	500	1100	561 00	[illegible]
5212 10	10	550	1170	586 50	[illegible]
5212 15	15	800	1400	688 50	[illegible]
5212 20	20	1100	1650	790.50	[illegible]

No. 52—Mogul Fully Equipped

OUTFITS WITH 14 GAUGE TANKS

Nos.	Barrels	Gallons	Wt., lbs.		Each
5214 2	2	120	570	$363 80	214 00
5214 3	3	170	630	384 20	[illegible]
5214 4	4	220	690	404 60	[illegible]
5214 5	5	280	750	425 00	250 00
5214/7	7	390	870	$465.80	274.00
5214/9	9	500	990	506 60	[illegible]
5214 10	10	550	1050	527 00	310 00

PUMPS ONLY

		Each
No. 52—Pumps Only, Complete with Foot Valves	$314.50	185 00

EXTRA ATTACHMENTS

		Each
100,000 Gallon Meter	$42 50	25 00
Gravity Filter	42 50	25 00
Hose Draining Valve	17.00	10.00

Items Marked ✠ Not Carried in Stock. Shipped from St. Louis Factory

Savings Banks

For Young and Old. Illustrations Reduced. Prices Each

Nos. **5+7209, 5+7210, 5+7211,** and **5+7212** Banks work like a cash register. They add the value of each coin deposited and register the total upon a dial on the front of the Bank. They are constructed of strong steel parts, enclosed in substantial cases which are lithographed in a very beautiful and artistic manner.

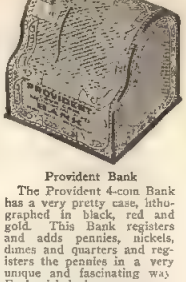
The attractive appearance and novel methods of registering make these Banks as popular with parents as with children. All are fascinated and take delight in watching the Banks register and seeing their savings grow.

These Banks are very simple to operate, it being necessary only to drop a coin in the slot, pull down the lever and the value of the coin is added to the amount already deposited and the total is shown on the dial. When the deposits amount to $10.00, a door on the bottom of the Bank opens automatically and the contents can be removed, after which, the door may be closed, when it automatically locks the bank and another $10.00 can be saved.

Commonwealth Bank

Three-coin Bank. Artistic case lithographed in colors. Registers and adds nickels, dimes and quarters.

5+7209 Each **$2.70**



Provident Bank

The Provident 4-coin Bank has a very pretty case, lithographed in black, red and gold. This Bank registers and adds pennies, nickels, dimes and quarters and registers the pennies in a very unique and fascinating way. Each nickel, dime or quarter that is put into the bank registers as soon as the lever is pulled down, but the pennies do not register until the fifth one has been deposited. It is not necessary to deposit the pennies consecutively in order to have them register accurately. A penny can be deposited and the lever pulled down and other coins deposited before other pennies are put in, and when the fifth penny is deposited 5 cents will register.

5+7210 Each **$3.60**

Home Bank

The Home 5-coin Bank has a very handsome lithographed case, in oxidized copper and gold. This Bank registers and adds pennies, nickels, dimes, quarters and halves.

5+7211 Each **$5.35**

Security Bank

Five-coin Bank. The case on this bank is "Ech-Kraft," a finish that is exclusive combining beautiful color effects with an actual brass finish, showing a perfect etched effect in colors that makes it the most attractive of all registering banks and one in keeping with the furnishings of any home, regardless of how elaborate they may be. The Security Bank registers and adds pennies, nickels, dimes, quarters and halves.

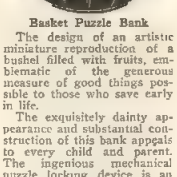
5+7212 Each **$6.25**

"White City" Trick or Puzzle Safe

Not a Combination Bank

Without a doubt the most artistic and best finished bank ever put upon the market. They are of gray iron, highly nickel plated throughout, and so constructed that money cannot be shaken out. You cannot solve the problem of how these banks are opened without first being shown. Directions and solution of puzzle are packed with each safe. We guarantee each safe to be perfect, and it is utterly impossible for one of them to get out of repair. They are highly engraved with pictures of the "World's Fair" buildings, also the great Ferris Wheel. 5 in. high, 4¼ in. wide and 3¼ in. deep.

5+7213 Each **$1.60**



Basket Puzzle Bank

The design of an artistic miniature reproduction of a bushel filled with fruits, emblematic of the generous measure of good things possible to those who save early in life.

The exquisitely dainty appearance and substantial construction of this bank appeals to every child and parent. The ingenious mechanical puzzle locking device is an exclusive feature and cannot get out of order.

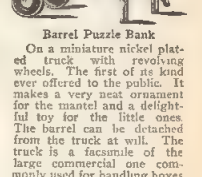
Size, 3 in. high, 3½ in. in diameter oxidized finish.

5+7214 Each **$1.70**

Barrel Puzzle Bank

These are new and novel designs and have proven to be good sellers. They are of gray iron, highly nickel plated, and so constructed that the money cannot be shaken out. It is impossible to solve the problem of how these banks are opened without first being shown. Directions and solution of the puzzle are packed with each safe. It is impossible for these banks to get out of order or repair, as is the case with all combination and key banks on the market at the present time. 5¼ in. high and 3¼ in. diameter.

5+7215 Each **$1.85**



Barrel Puzzle Bank

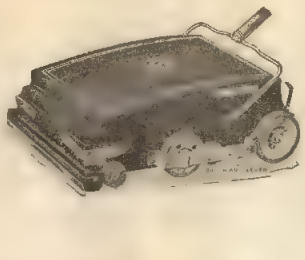
On a miniature nickel plated truck with revolving wheels. The first of its kind ever offered to the public. It makes a very neat ornament for the mantel and a delightful toy for the little ones. The barrel can be detached from the truck at will. The truck is a facsimile of the large commercial one commonly used for handling boxes and barrels. They are handsomely nickel plated thruout. Instruction how to open sent with each bank.

5+7216 Each **$1.85**

The M. & E. Vacuum Cleaner

The Combination Sweeper and Vacuum Cleaner

This is an all-steel combination vacuum sweeper with a special lever brush adjustment for light or deep sweeping. It has the de luxe front fiber roller feature for perfect adjustment of the dust nozzle to the floor, and rides lightly on and off rugs and can't scratch the floor. Its all-steel leak and warp-proof vacuum box insures the full measure of the strong and steady suction from its triplet bellows. The dust bag, which is of the most adaptable material, has a two-inch opening and is formed over a stout steel frame of steel, easy to empty without soiling the hands. It is only 6 inches high and will go under all modern furniture. It is equipped with correctly designed brush 9 inches wide of genuine bristles and the two dust pans dump as one from one lever.



The nozzle clamps are of extreme simplicity and cannot get jammed, and the hinged dust nozzle attachment automatically prevents wrong replacement. All the bearings are the best ball type, and the wheels have heavy rubber tires set in flanges of steel. No tires to come off. Easy to replace when worn. An ample bumper of braid over front and sides of nozzle protects the furniture.

Dressed in a durable coat of fine mahogany enamel and the exposed parts are well nickeled 42-inch hardwood handle. The special knob grip on end makes sweeping easy on your hands. Height, 6 inches; length, 17 inches; width, 12 inches, weight, 9¾ pounds.

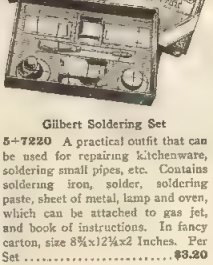
5+7222 Price complete.....**$10.00**

The Famous Gilbert Instructive Toys

5+7219

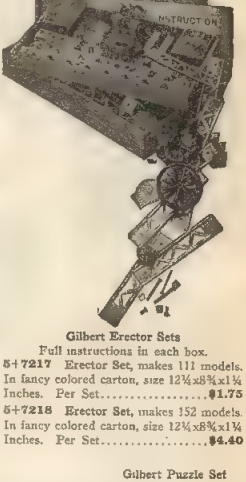
Gilbert Telephone Set

5+7219 A real working miniature Telephone Outfit that will operate from garret to cellar or from room to room. Telephones are 6½ inches high when assembled. Complete with wire for connections and instruction book. In fancy carton, size, 18x10x1¼ Inches. Per Set **$7.50**



Gilbert Soldering Set

5+7220 A practical outfit that can be used for repairing kitchenware, soldering small pipes, etc. Contains soldering iron, solder, soldering paste, sheet of metal, lamp and oven, which can be attached to gas jet, and book of instructions. In fancy carton, size 8¾x12¼x2 Inches. Per Set **$3.20**



Gilbert Erector Sets

Full instructions in each box.

5+7217 Erector Set, makes 111 models. In fancy colored carton, size 12¼x8¾x1¼ Inches. Per Set.....**$1.75**

5+7218 Erector Set, makes 152 models. In fancy colored carton, size 12¼x8¾x1¼ Inches. Per Set.....**$4.40**

5+7221

Gilbert Telegraph Set

5+7221 Complete Telegraph set, contains two keys, wire telegraph blanks and book of instructions. Manual is clearly illustrated and describes telegraphy in a very interesting way. In fancy carton, size, 8¾x12¼x1¼ Inches. Per Set.....**$1.75**

Gilbert Puzzle Set

5+7224 Contains three interesting wire puzzles with instructions how to solve each one. In fancy carton 7¼x5x⅝ inch. Per Set **$0.40**

WHITE ✠ CROSS

No. 1922 ELECTRIC IRON

To Retail at only $4.50

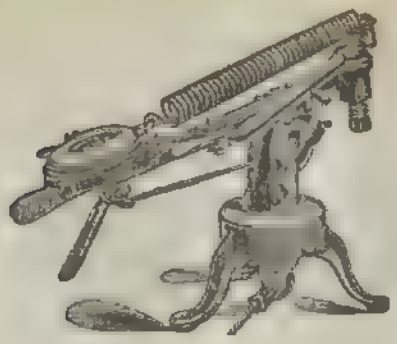
Your best—easiest—quickest seller for 1923. An Electric Iron of the well known White-Cross quality—backed by the White-Cross Guarantee—and to retail at $4.50. The equal in quality and service of any Electric Iron on the market. So thoroughly reliable that you can bank on every sale making a pleased customer. Weighs 6 lbs., beautifully designed, perfectly balanced, with a sleek ironing surface that does its work in a most efficient manner. Every sale carries the assurance that you have given the buyer the greatest electric iron value of the year. Write to us for dealer discounts, etc.

National Stamping & Electric Works

"White-Cross Division"

3212-3248 W. Lake Street Chicago, Ill.

WHITE FLYER PRACTICE TRAPS



Each

No. PT—This Trap Will be Found Heavier and More Compact Than Others of its Kind Now in Use, All its Working Parts Being Large and Strong Well-fitted Bearings, Assuring Positive Action in Every Detail, and It is so Designed and Constructed so as to Make it a Model of Efficiency and Durability. Has Central Trigger Pull, Which Allows the Trap to be Changed to Any Desired Angle, Without Interfering With the Pulling Device..... $25 00

One in a Case

DECOY DUCKS

DIAMOND FOLDING HEAD

WOOD

The Only Practical Improvement in Wood Decoys for More Than a Third of a Century.

POINTS OF SUPERIORITY

1—More Life Like Appearance.
2—Much Lighter in Weight.
3—No Broken Heads in Shipment or in Actual Use.
4—Require One-third Less Space for Carrying to the Store or Blind
5—Made of Genuine Cedar; Will Not Rot or Become Waterlogged and "Sinkers."

(Cut Shows Duck in Natural Position)

(Cut Shows Duck Folded for Carrying or Packing)

Made of Genuine Cedar, Finely Shaped and Painted True to Life; Finest Quality Glass Eyes; Hollow Center; Standard Sizes.

Per Dozen

No. 20—Mallards, Weight 32 ozs. $30 00

No. 21—Red Heads, Weight 30 ozs..... 30.00

No. 22—Canvas Backs; Weight 30 ozs..... 30 00

No. 23—Blue Bills; Weight 23 ozs..... 30 00

One Dozen in a Carton, Two-thirds Drakes, One-third Ducks; Size of Carton (Mallards) 12x15x8 inches; Weight per Carton 20 lbs.

JUMBO MALLARDS

For the Shooter Who Wants a Decoy Larger than the Natural Duck, We Have Designed the Jumbo Size; Length 17½ inches, Height 7 inches, Width 6 inches, Depth at Back 4¼ inches.

Per Dozen

No. 25—Mallards Only; Weight 39 ozs..... $36 00

One Dozen in a Carton, Two-thirds Drakes, One-third Ducks, Weight per Carton 33 lbs., Size of Carton 15x18x31 inches.

DECOY DUCKS

NOTE—Always Specify Species Wanted When Ordering; If Not Specified, We Will Exercise Our Own Judgment.

SOLID WOOD

White Cedar; Painted in Natural Colors; Glass Eyes; Male and Female Mallard Red Head, Canvas Back, Blue Bill, Teal and Sprig Tail.

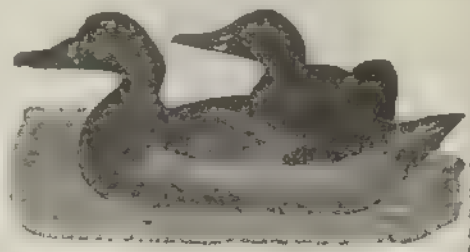
Per Dozen

No. 1—Good Quality..... $26.00

No. 10—Selected Quality 27 00

One Dozen in a Crate; Assorted Male and Female; Average Weight per Crate 31 lbs.

PREMIER MODEL—HOLLOW



Painted in Natural Colors from Life; Shape of Head, Bill, Arch of Neck, Etc., Modeled from the Living Bird; Ride Perfectly Upright in the Roughest Water; Made in Two Sections and Connected in Such a Manner as to Prevent Any Leakage; Finest Enamel Eyes, Colored from Life.

Per Dozen

No. 0—Finest Quality Clear White Pine; Mallards Only.....$50 00

One Dozen in a Crate; Assorted Male and Female; Average Weight per Crate 31 lbs

CHALLENGE MODEL—SOLID

Per Dozen

No. 00—Good Grade White Pine; Mallards Only.....$36.00

One Dozen in a Crate; Assorted Male and Female; Average Weight per Crate 31 lbs.

Any Other Species Can be Furnished by Shipping Direct from Factory at Same Prices. One Dozen in a Crate, Assorted Male and Female. Average Weight per Crate 42 lbs.

CLAY PIGEONS

WHITE FLYER

For Western Automatic Traps.
Gives the "Bird" that Gets the "Breaks."
Every Record of Importance in Trap Shooting Has Been Made on White Flyer Targets

Per Barrel

†**No. 5**—For Western Automatic Trap; White Circle on Black Ground; 600 in a Barrel; Weight 125 lbs.....$10 00

BLUE ROCKS

Per Barrel

No. 3—Will Operate in Any Standard Trap; 600 in a Barrel; Weight 145 lbs..... $10 00

We Do Not Break Barrels

Items Marked † Not Carried in Stock, Can Only be Furnished by Shipping Direct From Factory, East Alton, Ill.

DECOY SNAPS

Nickel Plated Malleable Iron; with ⅛ inch Swivel Roller; Length Over All 2½ inches; Especially Designed for Weighting Decoys.

Per Gross

No. 23½—Weight per Dozen, ¼ lb..... ... .$11 50

Twelfth Dozen in a Wood Box

Nickel Plated Malleable Iron with ⅜ inch Round Eye. Used Mostly in the North.

Per Gross

No. 223⅜—Weight per Dozen, 1 lb..... .....$11.50

DECOY ANCHORS

Iron, Japanned, Will Hold Line and Wood Decoys; Can also be used for Winding Anchor Cord

Per Dozen

No. 8—Weight per Dozen, 15 lbs..... ....$4 00

One Dozen in a Package

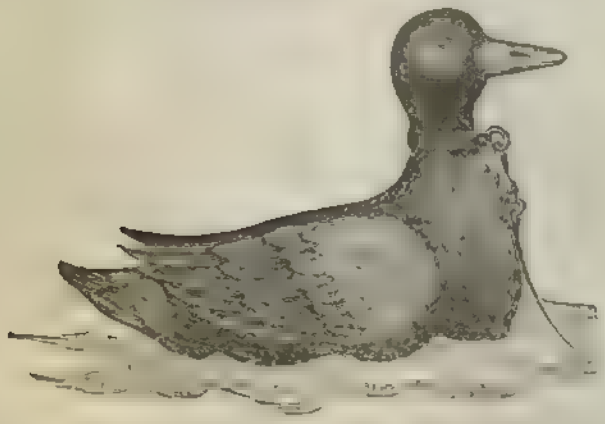
Made Especially for Use on Wood Decoys, but Can be Used on Any Other Style; Constructed so that it Can be Hung Over Neck of Decoy when Not in Use.

Per Dozen

No. 1X—Extra Heavy Malleable Iron; Aluminum Finish; with Eye for Cord; Size 5¼x3 inches; Cord not Furnished; Weight per Dozen, 6 lbs.....$3.30

Loose

DECOY COLLARS



Made of Leather with Plated Rings, Riveted Plates and Serviceable Under All Conditions; Will Not Choke or Harm Live Decoys.

Per Dozen

No. 8 — Width ⅝ inch; Length 3½ inches Weight per Dozen, ¼ lb..... ....$3.00

One in a Package

GUN MATERIAL

When Repairs for Foreign-made Guns, Rifles and Revolvers are wanted, it is Necessary for us to have the Arm or broken part, as the parts for these Arms are **not interchangeable** and have to be made by hand; consequently the cost is largely in excess of the price of parts listed in this Catalog.

When one match hammer is wanted, it is necessary for us to have **both** locks and the hammer that is to be matched. When two hammers for the same Gun are wanted, if for Muzzle-loading Gun, we will have to have the Gun; if for a Breech-loading Gun, the stock will answer.

When goods are shipped to us for repairs or for any other cause, mark your **full name and address** on the package and advise us by mail.

All Guns sent to us by express should be packed in a box, as the Express Company is not responsible for loss or damage if shipped without being boxed.

All claims must be made on receipt of goods or they will not be considered. We cannot assume any responsibility for Guns bursting when using Nitro Powder, shooting buckshot, or having an obstruction in the barrel. In all claims of this nature it is necessary to submit the case to the manufacturers, who will pass on same.

MUZZLE-LOADING GUN LOCKS

Cuts Show Right Hand Locks

American Back Action; Swivel; Polished; Length of Plates 4, 4½ and 5 inches.

Per Dozen

No. 500S—Genuine Golcher; Back Action; Swivel; Polished; Right Hand; Case Hardened Plate and Hammer; Engraved..... .....$69 50

Loose

American Full Bar Action; Swivel Polished; Length of Plates 4½, 4¾ and 5 inches.

Per Dozen

No. 110—Left Hand; Weight per Dozen 4½ lbs. $31 50

Loose

American Front Action; Swivel, Polished; Length of Plates 4½, 4¾ and 5 inches.

Per Dozen

No. 50—Left Hand; Weight per Dozen 3½ lbs..... . . . .$31 50

Loose

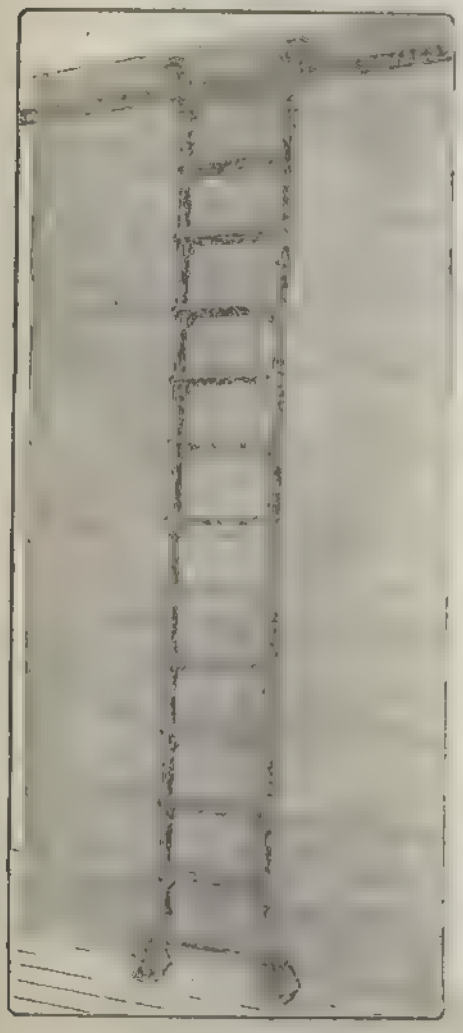
ROLLING STORE LADDERS

WILCOX

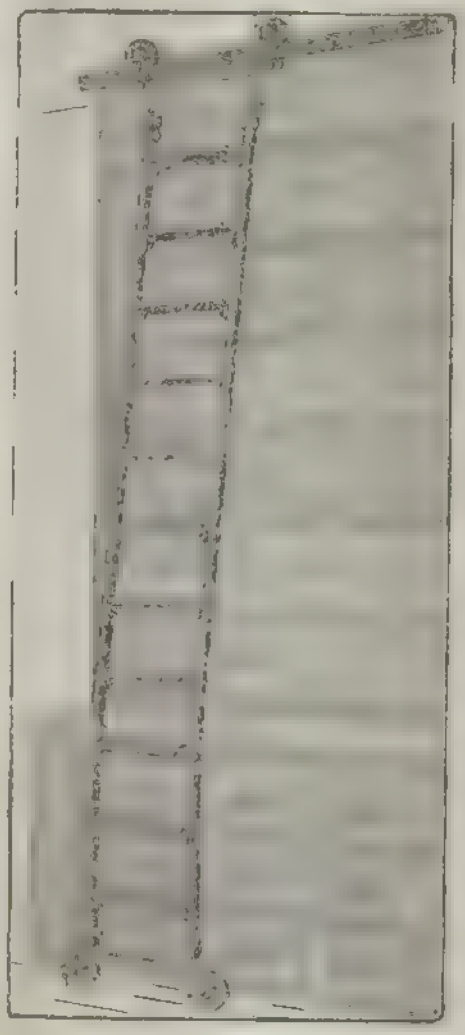
Made to Order Only

Steel Tubing Sides—Wood Steps

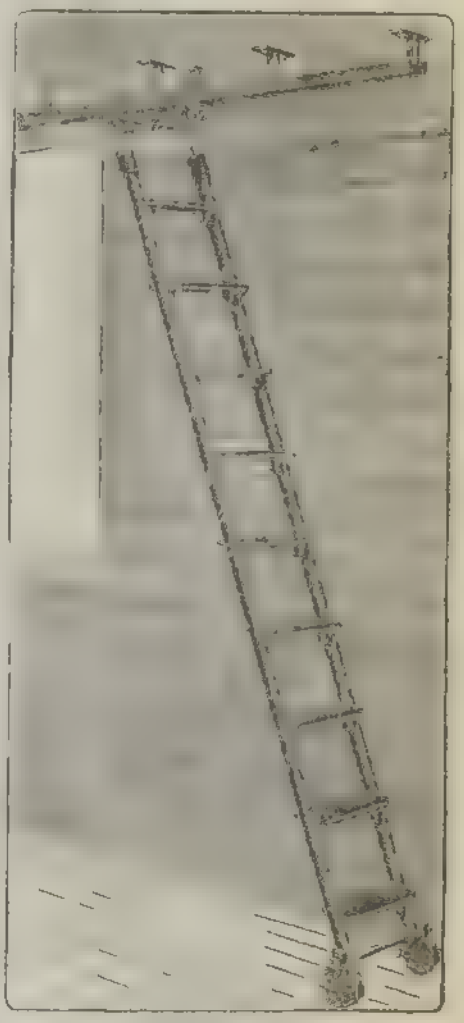
Sides are Made of Steel Tubing, Steps are Made of Oak, 14 inches Long, and are Furnished With Adjustable Fixtures Attached, Which Fit into the Slotted Steel Track. This Track is Furnished in Any Length up to 16 feet and Can be Secured to Any Straight Wood, Steel or Wire Special Any Distance Apart and Set at Any Angle. Fixtures, Track and Ladder are Interchangeable for Side or Ceiling Attachment; Top fixtures is Adjustable Vertically to Allow for Unevenness in Floor; Easily Operated, Absolutely Noiseless. Single Track for Side Ladders, Double Track for Ceiling Ladders.



STRAIGHT—SIDE



BENT—SIDE



STRAIGHT—CEILING

Each	Each	Each
✣No. S529—Straight Steel With Oak Steps, Complete With Fixtures $32 40	✣No. B529—Bent Side, With Oak Steps, Complete With Fixtures $36 00	✣No. 529—Steel With Oak Steps, Complete With Fixtures $36.00

Average Shipping Weight Complete, 60 lbs.
One in a Crate

	Per Foot
✣No. 529WT—Single Wood Track, for Side Ladders; Weight per foot, ½ lb.	$0 55
✣No. 529CT—Double Wood Track, for Ceiling Ladders; Weight per foot, 1 lb.	.55

To Order Straight Ladders

Give Distance from Floor to Point Where Track is Secured.

To Order Bent Ladders

Give Distance from Floor to Point Ledge Projects Beyond where Track is Secured, and Distance from Top of Ledge to Point Where Track is Secured.

To Order Ceiling Ladders

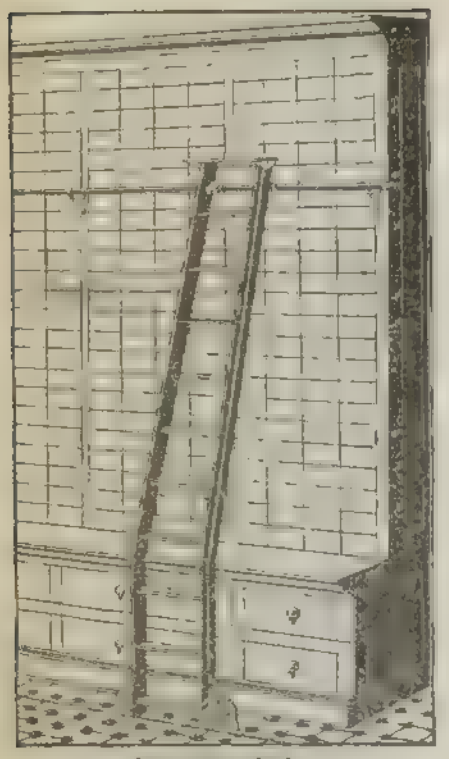
Give Distance from Floor to Ceiling.

Items Marked ✣ Not Carried in Stock, Can Only be Furnished by Shipping Direct from Factory, Aurora, Ill.

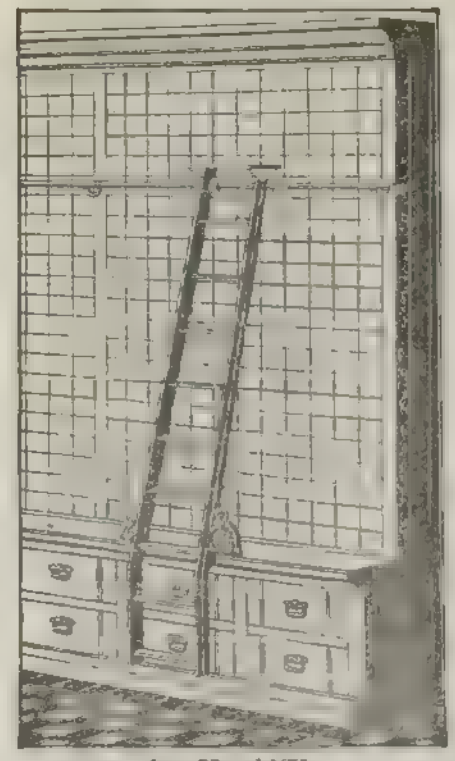
ROLLING STORE LADDERS

BICYCLE

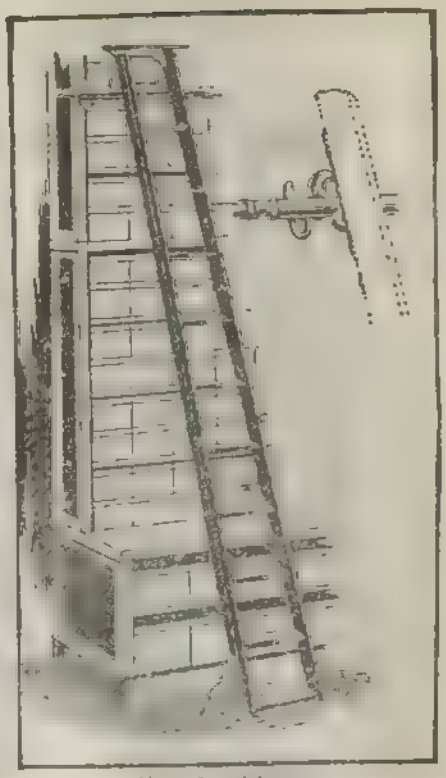
Made to Order Only



Nos. [illegible] and N85.
BENT FLOOR LADDERS



Nos. 75 and N75.
BENT BASE LADDERS



Nos. 85 and N85.
STRAIGHT FLOOR LADDERS

Made of Selected Oak, Natural Finish, Varnished

In These Styles the Track is at the Bottom, Either on the Base Shelf or on the Floor, [illegible] Entire Weight of the Ladder and Operator is Supported from Below on a Solid Foundation, and Not Suspended. Refer[illegible]ing, or of Suspended Shelving. The Top [illegible] Turned Pole to Guide the Upper [illegible] ing it; Stout Hood [illegible] Weight Rests on This Pole. **The Great Success of the Bicycle Ladder is Due to the User Stands Directly Over the Wheels and There is No Side Friction at All, and the Ladder Goes as Easily as Any Other Bicycle.**

The Ladders All Have an Extra Wide Shelf at the Top for Convenience in Handling Stock, and the Wheels are Provided with [illegible] to Prevent Dropped Articles Rolling Out of Reach, Leaving Small [illegible] Left in Their Way.

The Track for Bicycle Ladders is Made Extra Wide. At the Upper Part [illegible] Turned Pole is Attached by Stout [illegible] to Support the Upper End of the Pole, and to the Base Shelf or the Floor, is Fastened a Small [illegible] Which Rests on the Pole and Holds the Upper End of the Ladder Firmly in Position. The Lower End [illegible] Floor Shelf Is Provided with Small Steel Rollers Running in Grooves Turned in Brass Bushings. The Rollers Revolving in Bushings Reduce the Friction to a Minimum. **Either Nickel Plated or Japan Finish.**

The Track for the Floor is So Small (but Three-Sixteenths of an inch in Height) That it Can Cause No Inconvenience.

Both the Floor Track and the Base Shelf Bicycle Ladders Have a Simple Device Which Instantly Prevents the Wheels from Coming Off the Track Unless They Are Lifted Off.

LADDERS ONLY

	Each
✣No. 85—Bent Floor Style; Japanned Mountings	$38 00
✣No. N85—Bent Floor Style; Nickel Plated Mountings	42 00
✣No. 75 [illegible] Style; Japanned Mountings	38 00
✣No. N75 [illegible] Style; Nickel Plated Mountings	42 00
✣No. 85 [illegible] Floor Style; Japanned Mountings	38 00
✣No. N85 [illegible] Floor Style, Nickel Plated Mountings	40 00

Nos. 85 and N85 Ladder Do Not Require Floor Track.

LADDER TRACK ONLY

	Per Foot
✣No. 5—[illegible] Lower Track, Bronzed; Complete With Wood Upper Track and Japanned Brackets Adapted to No. [illegible] Ladders	$0 50
✣No. N5 [illegible] Lower Track, Nickel Plated, Complete With Wood Upper Track and Nickel Plated Brackets Adapted to No. N65 Ladders	70
✣No. 7 [illegible]less Ebony Lower Track; Complete With Wood Upper Track and Japanned Brackets, Adapted to No. 75 Ladders	60
✣No. N7 [illegible] Lower Track, Complete With Wood Upper Track and Nickel Plated Brackets, Adapted to No. N75 Ladders	70
✣No. 9 [illegible] Upper Track Only With Japanned Brackets; Adapted to No. 85 Ladder	.40
✣No. N9 Wood Upper Track Only, Complete With Nickel Plated Brackets; Adapted to No. N85 Ladders	.50

HOW TO ORDER BICYCLE LADDERS

Refer to Cut at Side of This Page and Give the Following Measurements: D to A; A to B; and B to S. State Which Number Ladder is Desired; Whether Plain or Nickeled Plated Mountings are Required. State Length of Track Wanted and the Number of Uprights in the Shelving, and Say Whether Solid Uprights, Partition Boards, Turned Spindles or Iron Brackets are Used to Support the Shelving.

[illegible] a Crate.

Items Marked ✣ Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory

Everybody needs colored goggles

NEARLY every person who comes into your store is a prospect for colored goggles. Place a display of Willson Goggles where it will be seen, and the goggles will sell themselves.

Sun, dust, glare and wind are year-'round annoyances to the eyes—you don't have to talk goggles. Just show your Willson assortment and eyes will want the goggles.

If your jobber can't supply you, we will give you the name of one who can. Ask for catalog.

WILLSON GOGGLES, INC., Reading, Pa.

WILLSON
Goggles

ASSORTMENT OF GOGGLES, EYE PROTECTORS AND EYE GLASSES WITH FREE DISPLAY CASE

No. 1 Goggle Assortment, consisting of 30 pair, 10 different styles, all with amber color glass lenses, ranging in price from 25c to $1.75 each retail, all ready sellers, complete assortment ..... each **$35.20**

The FREE handsome mahogany finished wood display case has glass top and space with hinged door at back for carrying stock. Size of case, 12 in. high, 14 in. wide and 13 in. deep.

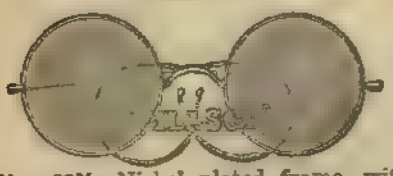
Complete Assortment packed in wooden case ready for shipment, w't 16 lbs.

Contents of Case	Style Number	Selling Prices to Consumer
6 pairs	No. 65N	per pair $0.25
2 pairs	No. 6K	per pair 1.25
4 pairs	No. 86N	per pair .75
4 pairs	No. 7K	per pair 1.00
3 pairs	No. 1A	per pair 1.75
2 pairs	No. 1K	per pair 1.75
2 pairs	No. 21Z	per pair 1.25
2 pairs	No. 1Z	per pair 1.75
2 pairs	No. 2Z	per pair 1.75
3 pairs	No. 3K	per pair .50
30 pairs Total		Total Retail Value $30 75

Handsome mahogany finished wood show case FREE with this assortment.

See Pages 2632 & 2633 for description, illustration, etc., of each of the various styles Goggles, Eye Protectors and Eye Glasses comprising the assortment described above.

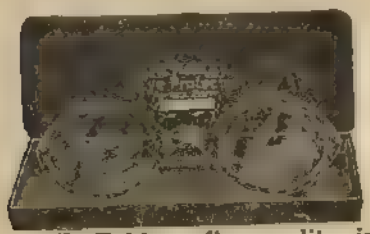
GOGGLES



No. 68N—Nickel plated frame, with cable riding bow temples, large amber glass lenses, 1⅞ in. in diameter, without cases ...dozen $3.50

No. 57Z—Thin edge rims of imitation tortoise shell wire riding bow temples, large amber glass lenses 1⅞ in. in diameter. Each in a neat box .....per dozen $9.30
A very attractive spectacle.

No. 21Z—Zyblex, fine quality imitation tortoise shell frame, high grade amber glass lenses, nickel cable riding temples, each pair in box .....per dozen $10.80



No. 1Z—Zyblex, fine quality imitation tortoise shell frame, high grade 1⅞ in. amber glass lenses, soft leather sides, nickel cable riding bow temples, made to fit any face, one pair in box ..per dozen $16.80

No. KD7—Imitation tortoise shell frames and curved bow temples, large flat top amber glass lenses, each pair in a neat box, doz. $10.80
ONE DOZEN IN A CARTON

GOGGLES

AMBER

Illustration shows the attractive colored cardboard display, size 6x7x4 inches, furnished free with every purchase of half dozen pairs of No. 70K eye protectors.

No. 70K—Fine imitation tortoise frames and riding bow temples, large amber glass lenses. Each pair in a neat box, per dozen $9.30
HALF DOZEN IN A COUNTER DISPLAY BOX

No. 3K—Imitation tortoise shell frames and riding bow temples, 1⅞ in. round amber glass lenses, each pair in a glassine envelope, per dozen $6.00
ONE DOZEN IN A CARTON

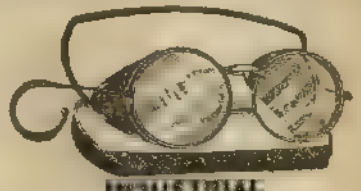
SELF ADJUSTING

No. 2Z—Zyblex, imitation tortoise shell frames, with a flexible nose bridge of pure silk, ventilated leather side guards, flexible cable temples of white metal, large amber glass lenses, each pair in a metal box .....per dozen $21.20

The last word in goggle comfort. The flexible silk bridge perfectly adjusts itself to the shape of the face, thus combining complete protection with unusual comfort.
HALF DOZEN IN A CARTON

GOGGLES

No. 86N—Universal, rust-proof white metal, riding bow temples, Ventilated side guards, high grade amber glass lenses, 1⅞ in. diameter, per dozen $8.00
One pair in a metal case.
ALL ABOVE HALF DOZEN IN A CARTON



INDUSTRIAL

Nickel plated frame, with easy cable riding bow temples, wire screen sides, 1⅞ in. glass lenses.
No. 650—Amber lenses, doz. $23.00
No. 650½—Clear lenses, doz. 23.00
ONE PAIR IN A HINGED COVERED CASE
HALF DOZEN IN A CARTON

No. 1K—Imitation tortoise shell frames, temples and side shields. Large amber glass lenses. Each pair in a neat metal box, per dozen $15.80

Of unique construction, light weight and very neat.
HALF DOZEN IN A CARTON

ADJUSTABLE

No. 1A—Albex, nickel plated frame, flexible cable riding bow temples, **special adjustable nose bridge allows the goggle to fit the contour of any face,** extra large amber glass lenses, 1⅞ in. in diameter, each pair in a hinged metal case per dozen $16.60
HALF DOZEN IN A CARTON

GOLF GOODS "PENNANT" AND "PLUS SUCCESS"

All heads made from models designed by the world's foremost experts, shafts selected and weather seasoned. Our line covers the demands of all golfers.

"PENNANT" GOLF CLUBS

Guaranteed. Hickory shafts, vicolized calfskin grips, forged, polished steel heads. Assrtd models. Priced low—but have all the points of the best goods. Features these at $2.50 for the irons and $3.00 for the woods and you will offer values second to none.

1K830—Mid Iron. Each, $1.70

1K834—Mashie. Each, $1.70

1K839—Niblick. Each, $1.70

1K833—Putter. Each, $1.70

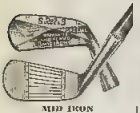
1K836—Driver. Each, $2.00

1K837—Brassie. Each, $2.00

"PLUS SUCCESS" GOLF CLUBS

Made by Thos. E. Wilson & Co.

Fully guaranteed. Hand forged heads, special calfskin grips treated to absorb perspiration. A nationally advertised brand in tremendous demand. Construction and workmanship the best



MID IRON

1K840—MEN'S for right-hand player.

1K868—MEN'S, for left-hand player. Each, $3.00

1K872—WOMEN'S, for right-hand player. Each, $3.00

MASHIE

1K843—MEN'S for right-hand player.

1K865—MEN'S for left-hand player. Each, $3.00

1K874—WOMEN'S, for right-hand player. Each, $3.00

NIBLICK

1K839—MEN'S, for right-hand player. Each, $3.00

1K866—MEN'S, for left-hand player. Each, $3.00

PUTTER

1K846—MEN'S for right-hand player.

1K864—MEN'S, for left-hand player. Each, $3.00

1K871—WOMEN'S, for right-hand player. Each, $3.00

DRIVER

1K836—MEN'S, for right-hand player.

1K861—MEN'S, for left-hand player. Each, $3.50

1K870—WOMEN'S, for right-hand player. Each, $3.50

BRASSIE

1K855—MEN'S for right-hand player.

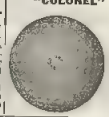
1K862—MEN'S, for left-hand player. Each, $3.50

1K874—WOMEN'S for right-hand player. Each, $3.50

"PENNANT" STANDARD 1.62 GOLF BALL

1K877 "Pennant" standard 1.62, perfect core, wound with finest rubber enclosed in tough cover stock and finished with durable paint. Each wrapped and sealed 1 doz. in carton. Doz. $5.50

"COLONEL" GOLF BALL



Made by St. Mungo Mfg. Co.

1K878—Standard 1.62 patent core, construction and cover the best, favorably known high circulation. Needs no introduction to the experienced golfer. 1 doz. in carton. Doz. $6.00

WILSON'S GOLF BALLS

Each ball standard. Evenly, with centrally placed cores. As near indestructible covers as is possible to make. Recessed markings minimize air resistance and give greater accuracy

"Sinker" A durable ball at a popular price. 1K875—2 doz. in carton. Doz. $4.50

"Floater" Full size, capped-ends and accurate. A popular priced floater. 1K876—1 doz. in carton. Doz. $4.50

"Success" Standard 1.62, long flight. 1K880—1 doz. in carton. Doz. $6.60

GOLF BAGS

1K881 "Sunday Bag," 15 in. ring, 10 oz. white duck waterproof, compressed bottom, taped sling strap, and ball pockets. ½ doz. in pkg. Doz. $9.00

1K928 — "Ladies'," 13 in. ring top, 32 in. long, 10 oz. brown canvas, three oval steel stays, black leather sling strap top, molded bottom stays and ball pockets trimmed with black imitation leather. Rain protection plate on the bottom. 1 in pkg. Each, $2.50

1K892 "Men's," 15 in. ring top, 35 in. long, 10 oz. brown canvas, three oval steel stays, black leather sling strap top and molded bottom stays and ball pockets trimmed with black imitation leather. Rain protection plates on the bottom. 1 in pkg. Each, $3.00

1K884—"Men's," 6 in. ring top, 34 in. long, 10 oz. brown canvas, curved head back and 3 bars, 4 oval steel stays, large roomy ball pocket, extra strap to hold clubs upright, heavy leather sling straps, leather trimmed stays and pockets, taped and molded bottom of heavy leather. Rain protection plate on the bottom. 1 in pkg. Each, $4.25

BOXING GLOVES, ETC.

"PENNANT" BOXING GLOVES

Full leather construction, padded wrists, stuffed with best soft curled hair

Juvenile Pattern. Soft pliable tan glove leather, palm grip, 4 gloves in set. 1 set in box. SET of 4.

1K5242—Boys' to 13 yrs. $2.50

1K5241—Youths size . 2.75

1K5238—"De Luxe," 6 oz., fine imported glove leather, 2 color combination, light olive and chocolate brown, roll leather binding, palm grip, padded cuff, top and throughout. $10 50 retail value 4 gloves in set. 1 set in box. SET of 4, $5.50

"PENNANT" PUNCHING BAG—Pear Shape

1K8234—"Champion Jr" heavy selected tan grain glove leather, canvas lined, reinforced top and bottom, leather hanger, leather lace slightly under regular size. 10 inch. Each $1.35

OUTSEAM PLAYGROUND BASKET BALLS

Scholastic Official, regulation size, canvas lined, reinforced heavy stitched outseams, with leather lace. 30 inch. 1K8500—Genuine pebbled leather. Each $2.50

1K8501—Genuine cowhide. Each, $3.50

SANITARY ATHLETIC SUPPORTER

1K1880—Entire construction of new live elastic web. You can retail for 50c. Small size 20 in. waist, medium size 24 in. waist, large size 28 in. waist. SPECIAL SIZES ½ doz. an assortive box. Doz. $3.95

CELEBRATION GOODS

U. S. UNMOUNTED FLAGS

Cotton Bunting—Sewed stripes, printed stars, canvas binding, metal grommets.

1K2267 4x6 ft., 1 doz. in pkg. Doz. $8.00

Wool Bunting—Standard U. S. 13 alternate red stripes and blue field, sewed "Tanex" hand worked white stripes, colors will not run under ordinary conditions. Regulation number sewed. 1 in bag

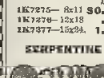
1K2235—4x6 ft. Each, $2.60

MOUNTED WOVEN COTTON U. S. FLAGS

Fine count soft finish woven flag, fast colors, smooth finish staffs, topped with silk spear head. 1 doz. in pkg.

	Doz.
1K7275—8x11	$0.42
1K7276—12x18	.78
1K7277—18x24	1.26

SERPENTINE



1K3220 Bright color tissue streamers in right roll when thrown, discord in serpentine effect. Assrt 6 colors 25 rolls in transparent pkg. Doz. rolls, 84c

CONFETTI

"Rainbow"—Round cut assrt colors fluffy and bright, guaranteed free from dust and scrap

1K7325—In bulk, not scrap. 50 lbs. in sack. Lb 6½c (Total $3 25)

1K7326 In bags, 1¼ oz. bag, full wt. 50 bags in box 100 bags, $1.35

"Good Luck" Round cut, assrt colors fluffy and bright, guaranteed free from dust and scrap

1K7327—In bags, 2½ oz. in bag 50 bags in box 100 bags, $1.75

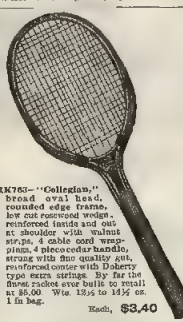
1K7328—In bags, 5 lb. in paper cartons 2 bags in box. Box bags, 40c

TENNIS GOODS

"PENNANT" TENNIS RACKETS

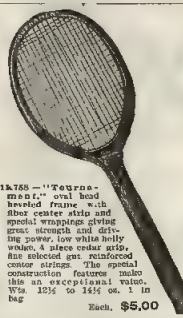
An unmistakable value at each price. All frames second growth, 2 yr. weather seasoned Vermont white ash, shellacked and piano polished, leather capped red cedar grips

1K745—"Marvel," full size strung with Oriental gut, walnut wedge. Matches the usual $3.00 retail value. Wts. 13½ to 14½ oz. 1 in bag. Each, **$1.70**



1K763—"Collegian," broad oval head, rounded edge frame, low cut rosewood wedge, reinforced inside and out at shoulder with walnut strips, 4 cable cord wrappings, 4 piece cedar handle, strung with fine quality gut, reinforced center with Doherty type extra strings. By far the finest racket ever built to retail at $5.00. Wts. 13½ to 14½ oz. 1 in bag.

Each, **$3.40**



1K755—"Tournament," oval head beveled frame with fibre center strip and special wrappings giving great strength and driving power, low white holly wedge, 4 piece cedar grip, fine selected gut reinforced center strings. The special construction features make this an exceptional value. Wts. 13½ to 14½ oz. 1 in bag

Each, **$5.00**

1K759—"Perfection," new 3 pc. break-proof frame consisting of separate ash and walnut strips with continuous red fiber center insert, inside and outside fiber strips at shoulder and throat and 5 cable cord windings, strung with finest selection log grade gut. Doherty reinforced at center with additional anchor strings, 4 pc cedar grip. A racket worthy of the name "Perfection." Wts. 14½ to 14¾ oz. 1 in bag.

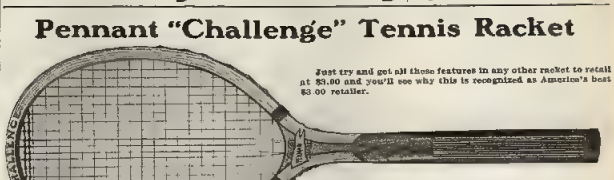
Each **$7.00**

"Dayton" Steel RacKet

1K760—Tubular steel frame, strung with nine strand steel wire, retains permanent tension, unaffected by weather or play, wood handle. Wts. 13 to 14½ oz.

Each, **$7.00**

Pennant "Challenge" Tennis Racket



Just try and get all these features in any other racket to retail at $3.00 and you'll see why this is recognized as America's best $3.00 retailer.

1K757—"Challenge," full broad head, beveled edge frame, reinforced at shoulder with red fiber strips, cable cord wrappings, give strength to frame at point of greatest strain, white holly low cut edge, strung with selected Oriental gut, Doherty reinforced center strings. Wts. 13½ to 14-5 oz. 1 in bag. Each, **$2.10**

WRIGHT & DITSON CHAMPIONSHIP TENNIS BALL

1K790—Lawn Tennis Association's approved match ball. 1 doz. in box . . . Doz. **$4.50**

WILSON'S CHAMPIONSHIP BALL

1K791—Officially approved conforms to specifications of U. S. Lawn Tennis Association. 1 doz. in box... Doz. **$4.50**

RACKET PRESS

1K750—Double hardwood frame, varnished, wing nut clamps, holds rackets flame rapidly, prevents warping. 1 in pkg . . Each, **$1.00**

"PENNANT" RACKET CASE

1K765—Regulation oval head heavy THICK motor fabric imitation proof cloth bound snap fastener flap handle, pocket, holds 6 balls. ½ doz. in pkg. Doz. **$6.00**

"PENNANT" TENNIS NETS

Heavy canvas bound knotted net of No. 15 twine. Each in carton, poles not included. 1 in bag Each

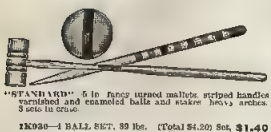
1K774—36x3 ft. . . **$2.10**
1K776—42x3 ft. . . **3.50**

"PENNANT" DOUBLE COURT MARKING TAPE

1K773—Double web marking straps for laying out complete double court, 200 galvanized staples. Each set in box with chart. Chart, **$5.35**

"CROWN" BRAND CROQUET SETS

All balls are made of rock maple and are perfectly round, and we have used a special varnish that does not crack or flake. You would pay more elsewhere for a much cheaper quality. Each set is in wood box with chart and instructions.



"STANDARD"—5 in. fancy turned mallets, striped handles, varnished and enameled balls and stakes, heavy arches. 3 sets in crate.

1K936—4 BALL SET, 32 lbs.	(Total $4.20)	Set,	**$1.40**
1K931—6 " " 55 "	(" 5.40)	"	**1.80**
1K934—8 " " 61 "	(" 6.15)	"	**2.05**

"SPECIAL"—5 in. fancy turned mallets with beaded handles, every piece varnished and banded with brilliant color enamel heavy galvanized arches, heavy stakes. An exclusive set that we control only through purchase of several carloads. Has many features impossible to match in other sets to retail at $5.50.

6 BALL SET—	
1K942—1 set in box, 33 lbs. . . . . Set,	*$15
" " " " " " "	*210
1K942A—3 sets in crate, 96 lbs. . . . . "	

"PROFESSIONAL"—5 in. mallets, balls, mallets and stakes enameled and varnished, short professional handles, extra large 4 color stakes, heavy galvanized arches

4 BALL SET—	
1K937—1 set in box, 16 lbs. . . . . Set,	**$2.65**
1K937A—3 sets in crate, 48 lbs. . . . . "	**2.45**
6 BALL SET—	
1K938—1 set in box, 30 lbs. . . . . Set,	**$3.25**
1K938A—3 sets in crate, 90 lbs. . . . . "	**3.10**
8 BALL SET	
1K939—1 set in box, 34 lbs. . . . . Set,	**$3.85**
1K939A—3 sets in crate, 72 lbs. . . . . "	**3.70**

PROFESSIONAL "DE LUXE"—5 in. hand turned banded mallets, piano polished and finished with white shellac, short handles, fancy enameled striped balls and beaded stakes, heavy galvanized arches. Each set in partitioned box with handles. 1 set in box, 30 lbs.

1K935—6 BALL SET . . . . Each, **$6.00**

TRADE – R. C. CO. – MARK

SILVER PLATE ON NICKEL SILVER

MANCHESTER

Bright Finish

Actual size

Solid Handle Knives

Butter Spreader

Ice Tea Spoon

Berry Spoon

Coffee Spoon

Orange Spoon

Soup Spoon

Oyster Fork

Individual Salad Fork

One third size

No. 15 Child's Set $1.46

No. 221 Set, $1.30

No. 200 F Set, $6.98

No. 235 I Chest

No. 261 MI Chest

No. 278 F Chest, 28 pieces $25.00

Oak Chest with Drawers and Green Lined Contains 6 Dz. Table Spoons, 6 Medium Forks, 1 Serving Spoon, 1 Pair Sugar Shell, 1 Butter Knife, 1 Cream Ladle, 1 Gravy Ladle.

No. 290 I Chest

TRADE — R. C. CO. — MARK

SILVER PLATE ON NICKEL SILVER

CHATHAM

Bright or Gray Finish

Actual size

Tea
Dessert
Table

Flat Handle Forks
Medium
Dessert

Butter Knife
Per doz.
Packed 1 in lined box, per doz., $6.16

Butter Spreader
Packed 6 in liner box, per doz. $6.48

Sugar Shell
Per doz.
Packed 1 in lined box, per doz. $7.50

Orange Spoon
Packed 6 in lined box, per doz. $6.48

Oyster Fork
Per doz.
Packed 6 in lined box, per doz. $6.96

Cold Meat Fork
Packed 1 in lined box, each $1.10

Baby Spoon
Packed 1 in lined box
Per doz. $7.68

Individual Salad Fork
Per doz.
Packed 6 in lined box, per doz. $6.62

Ice Tea Spoon
Per doz.
$5.28

Packed 1 in lined box

Cream, each $1.10
Gravy 1.50
Soup, Medium 3.00

Berry Spoon
Packed 1 in lined box
Each $1.10

Coffee Spoon
Packed 6 in lined box, per doz. $5.04

Soup Spoon
Packed 6 in lined box, per doz. $6.32
Packed 6 in chest 7.00

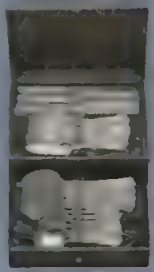
No. 200 F Set, $6.96
6 Individual Knives, Medium Knives and Flat Handle Medium Forks

No. 225 Set, $1.30
Butter Knife and Sugar Shell
In case box

No. 15 Child's Set, $1.46
Pairs Knife, Fork and Spoon
In lined box

No. 21 Child's Set, Pearl Handle

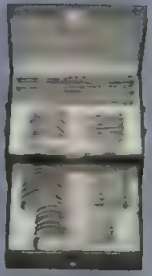
Illustrations of sets and chests about one-seventh actual size



No. 235 F Chest, 56 pieces, $14.40

No. 251 MF Chest, 42 pieces, $13.80

No. 240 F Case, 56 pieces, $14.96



No. 250 F Chest, 56 pieces, $16.72

Wm. Rogers & Son

"THE BEST AT THE PRICE"

"Reinforced Plate," or an Extra Deposit of silver, where the Wear Comes

HAMPDEN

Gray Finish

A handsome

Hollow Handle Knives or Forks

Solid Handle Knives or Forks

Medium, 6 in lined box ... doz., $23.00

Dessert, 6 in lined box ... 23.00

Dessert, 6 in unlined box ... 9.36

Oyster Fork

Extra Plate ... each $1.45

Butter Knife

Packed ... in lined box ... 7.50

Packed ... in unlined box ... 7.50

Sugar Shell

Packed 1 in unlined box, per doz. $7.50

Packed 1 in lined box ... 9.00

Soup Spoon

Packed 12 in unlined box ... doz. ...

Individual Salad Fork

Extra Plate ... each $5.20

Orange Spoon

Extra Plate ... each $1.35

Extra Plate, each $1.20

Medium ... 1.65

Dessert ... 1.50

Medium ... 1.20

Baby Spoon

Extra Plate

Each $0.85

Ice Tea Spoon

Extra Plate, each $1.20

Cold Meat Fork, Long

Extra Plate, each $1.20

Pickle Fork, Long

Extra Plate, each $1.20

No. 500 F Set in box $8.75

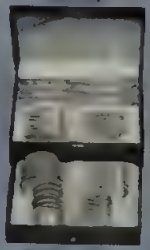
6 Solid ... Knives and ...

No. 1 Child's Set in box $2.20

... Knife and ...

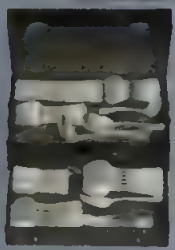
No. 502 Set in lined box $15.00

6 Hollow ... Knives and ...



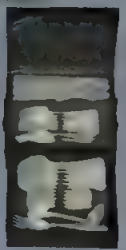
No. 750 F Chest, ... pieces $17.00

Mahogany finish Chest, lined with Flannette, containing 6 ... Knives, 6 ... Forks, 6 ... Spoons, 6 ... Knives, 6 Medium Forks, 6 Teaspoons, 6 Dessert Spoons, 1 Sugar Shell, 1 Butter Knife, 1 Soup Spoon, 1 Gravy Ladle, 1 Cold Meat Fork, 1 Pie Knife.



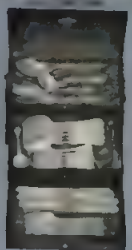
No. 749 M Chest, 42 pieces $24.00

Mahogany finish Chest, lined with Flannette, containing 6 ... Knives, 6 ... Forks, 6 ... Spoons, 6 ... Knives, 6 Medium Forks, 6 Teaspoons, 6 Dessert Spoons, 1 Sugar Shell, 1 Gravy Ladle, 1 Berry Spoon, 1 Cold Meat Fork, 1 Pie Knife.



No. 778 F Chest, ... pieces $14.00

... Knives, 6 ... Forks, 6 ... Spoons, 6 ... Knives, 6 Medium Forks, 6 Teaspoons, 6 Dessert Spoons, 1 Sugar Shell, 1 Gravy Ladle, 1 Cold Meat Fork, 1 Pie Knife.



No. 761 M Chest ... pieces ...

... Knives, 6 ... Forks, 6 ... Spoons, 6 ... Knives, 6 Medium Forks, 6 Teaspoons, 6 Dessert Spoons, Master Carver, Meat Fork, Bread Knife, Butter Knife, Sugar Shell, Gravy Ladle, Berry Spoon, Cream Ladle, ...

Illustrations of sets and chests above are one seventh actual size

INTERNATIONAL SILVER CO.

Wm. Rogers & Son

"THE BEST AT THE PRICE"

"Reinforced Plate," or an Extra Deposit of Silver, where the Wear Comes

CLINTON

Bright Finish

Solid Handle Knives or Forks

Hollow Handle Knives or Forks

Coffee Spoon

Extra Plate, set of six, $2.14

Packed 12 in unlined box, per doz., $3.96

Butter Spreader

Extra Plate, set of six $4.80

Oyster Fork

Individual Salad Fork

Extra Plate, set of six, $5.20

Soup Spoon

Ladles

Cream Extra Plate each $1.25

Gravy " " " 1.25

Oyster " " " 1.25

Medium " " " 4.20

Cold Meat Fork

Extra Plate each $1.35

Ice Tea Spoon

Packed 12 in unlined box, Extra Plate, per doz. $7.20

No. 500 F Set, $8.74

6 Solid Handle Medium Knives and 6 Flat Forks, in box

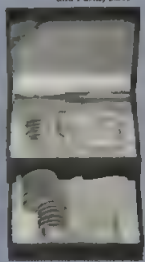
No. 504 F, same with Dessert Knives and Forks, $8.44

No. 707 Baby Set, $1.37

Best Baby Spoon and Food Pusher in lined box

No. 702 Set, $15.92

6 Hollow Handle Medium Knives and 6 Flat Handle Medium Forks in lined box



No. 790 F Chest, 26 pieces, $17.68

Green Leatherette Chest with Drawer. White Lined. Contains 6 Tea Spoons, 6 Table Spoons, 6 Medium Forks, 6 Medium Knives, Solid Handle, 1 Butter Knife, 1 Sugar Shell.

No. 754 MF Chest, [illegible] pieces, $[illegible]

[illegible] Knives, Solid Handle, 6 Medium [illegible] Butter Knife, 1 Sugar Shell, 1 Pie [illegible] 1 Cream Ladle, 1 Gravy Ladle, 1 Cold Meat Fork, 1 Hollow Spoon, 1 Cold Meat Fork.

No. 760 MF Chest, 30 pieces, $29.86

Mahogany Finish Chest with Handles. [illegible] Green Lined. Contains 6 [illegible] Table Spoons, 6 Medium [illegible] Knives, Solid Handle, 6 Medium [illegible] Shell, 1 Butter Knife, 1 Pie [illegible] 1 Gravy Ladle, 1 Cream Ladle, 1 Cold Meat Fork. The Knives are Triple [illegible] other pieces Extra or 4.4 Plate.

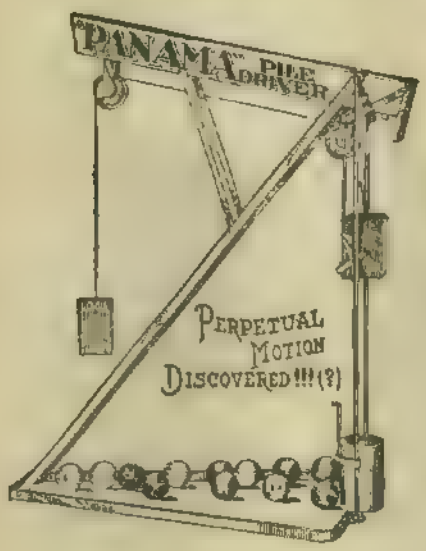
No. 734 F Chest, [illegible] pieces $[illegible]

Green Morocco Chest with Drawer. [illegible] or Green Lined. Contains 6 Tea Spoons, 6 Table Spoons, 6 Medium Forks, [illegible] Knives, Solid Handle, 1 Butter Knife, 1 Sugar Shell.

Illustrations of sets and chests do not necessarily show actual size

INTERNATIONAL SILVER CO.

PANAMA PILE DRIVERS



The sharp tap, tap, tap of this clever Automatic Pile Driver is a scource of wonder and delight to every child.

It is a most intersting construction toy, that does something automatically when set up.

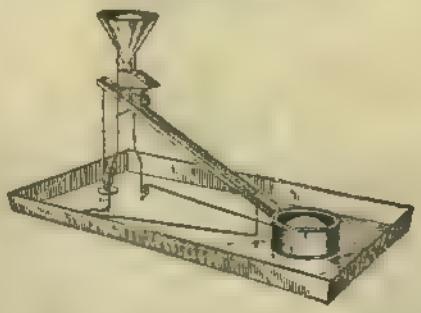
The operation is extremely simple.

Placing the marbles in the chute at the top and giving the hammer a start downward, puts the Panama into rapid action.

No. 102—Frame work of bright tin plated steel, sheet metal parts decorated in bright colors, joints locked when set up, extra heavy, 12 colored marbles, height 16¾ in., with full directions, shipping w't per doz. 29 lbs. .....per dozen *$18.00*

ONE DOZEN IN A CARTON

SANDY ANDY



Pour sand in the hopper and **Sandy Andy** does the rest. The car is drawn up the track by the weight until it opens a swinging shutter on the bottom end of the hopper allowing the sand to run into the car. When the car is nearly full the added weight of the sand causes the car to run down the track and automatically dump the sand. The weight then again pulls the car up for another load and this operation is automatically continued as long as there is sand in the hopper.

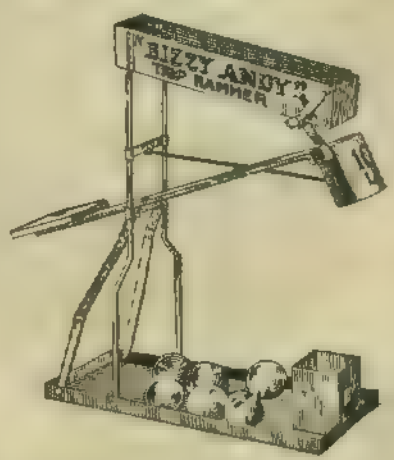
No. 76—Size tray 14¾×18×2¼ in., height 13¼ in., w't per doz. 31 lbs., per dozen *$12.00*

TWO DOZEN IN A CARTON

No. 100—Size tray 20¾×22½×2¾ in., height 17¼ in., w't per doz. 40 lbs., per dozen *$18.00*

ONE DOZEN IN A CARTON

BIZZY ANDY TRIP HAMMER



Stimulates the action of a real trip hammer and operates with rapid tap, tap, tap.

Simply put the marbles in the chute, give the hammer a start and it keeps pounding in an energetic fashion.

No. 56—Callapsible, six colored marbles, height 10¼ in., w't per doz. 15 lbs. .....per dozen *$9.00*

ONE DOZEN IN A CARTON

BOWLER ANDY MILL

Put marbles in the chute, give the car a start and the fan wheel continues to revolve in one direction, while the car keeps running up and down as long as marbles are kept in the chute. This is accomplished by the ingenious combination of an escapement system and a rolling shaft friction ratchet system. It is believed this toy employs an entirely new mechanical movement.

No. 67—Height 21½ in., eight colored marbles, 19×4¾×3 in., w't per doz. 28 lbs. .....per dozen $31.30

SAND CRANE

A wonderful motion Toy that pleases and interests every child. When the hopper is filled with sand, and the toy started, the shovel arm swings round in a semi-circle, the little engineer swings in his seat and "pulls" the cord in real, life-like motion, and the sand is dumped into the can or tray. This action continues as long as sand remains in the hopper, and repeats when the hopper is again filled.

No. 103—Size tray 15¾×22¾×3 in., height 14¼ in., w't per doz. 38 lbs., per dozen *$18.00*

ONE DOZEN IN A CARTON

BIZZY ANDY JUNIOR

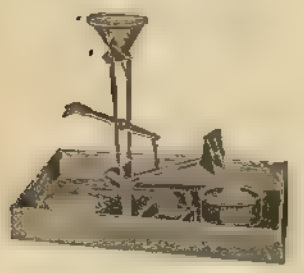
A popular priced Automatic Marble Toy of wonderful action and quality. Operates automatically by the weight of eight marbles which are furnished with the toy.

Fast, snappy action that pleases the youngsters. Attractively decorated in colors and each toy in a carton with marbles.

No. 58—Height 7 in., w't per doz. 3 lbs. per dozen $3.70

ONE DOZEN IN A CARTON

DUMPING SANDY



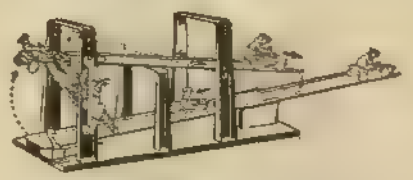
Dumping Sandy is another of these extremely popular Sand Toys. Sand is poured into the hopper, and Dumping Sandy will dump it automatically into the can or tray as long as any sand remains in the hopper. The vertical action of the dumping bucket is fascinating to all youngsters. The Toy may be moved slightly to cause each load of sand to be dumped in a different spot, or it may all be dumped in one place.

A supply of clean, dry, white sand in a friction lid can is included with each Toy, but any clean, dry sand will operate it. The carton in which the toy is packed opens flat to form a tray to catch and hold the sand. Sand scoop is also included with each Toy.

No. 59—Height 12 in., w't per doz. 21 lbs. .....per dozen $9.70

ONE DOZEN IN A CARTON

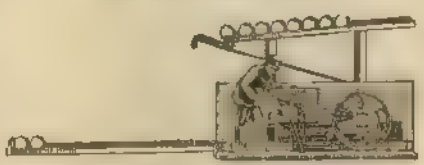
OVER AND UNDER



20 in. long, 6 in. high. Driver in racing car runs down the upper incline, drops to the lower track and continues to the end, then reverses to opposite end where the motor raises the car to the upper incline for the next trip. This is repeated many times on one winding.

No. 28—Per dozen .....$....

JOE ON THE JOB



23 in. long, 8½ in. high. This toy represents a mechanical shovel run by a gas machine. Eight marbles furnish the motor power. The beam moves up and down and the engine's fly wheel turns back and forth. The toy is attractively finished in colors, the engine and the engineer being attractively lithographed.

No. 52—Per dozen .....$....

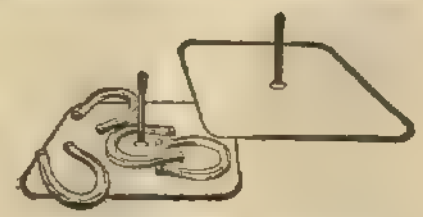
RADIO TINKER

An exact reproduction of a real radio outfit. It is 8 in. wide, 7 in. high, and 2½ in. thick. Made of heavy sheet steel, lithographed in bright colors, genuine hardwood mahogany finish. The dials all turn the telegraph key, imitates code messages, and another makes appliance sound like static. With the loud speaker, the child can imitate music of all kinds, as well as speeches, stories, market reports, etc

No. 43—W't per doz. 14 lbs., per dozen $12.00

HALF DOZEN IN A BOX

"PITCH EM" HORSE SHOE GAME

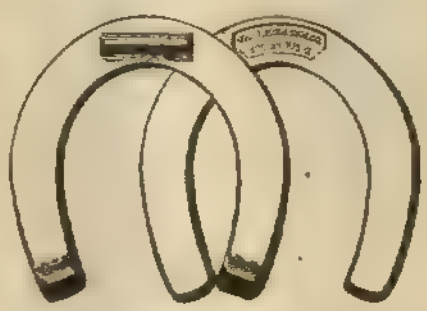


Indoor game, play in the parlor or on the lawn.

No. 1—Horse shoes of best rubber on flexible steel, four to a set, two metal bright green enameled plates, with nickel plated upright posts, w't per doz. sets 35 lbs., per dozen sets $22.00

ONE SET IN A BOX; ONE DOZEN SETS IN A CASE

OFFICIAL REGULATION HORSE SHOES



For Pitching.

"These will make ringers"

ORIGINAL Drop Forged Steel Shoe. Regulation size and weight, perfectly smooth and well balanced. This is not a casting but forged from special steel Hardened and will not splinter. Gilt finish to prevent rusting.

Have been on the market for one year and are giving entire satisfaction. Guaranteed for one season. Pair consists of two shoes.

No. 22—Size 7x7½ in., w't 2½ lbs., per pair $3.50

ONE PAIR (2) IN A BOX

JUNIOR

For Ladies, Children and Boy Scouts.

This is a light pattern of Horseshoe drop forged steel shoe, designed for those wishing to pitch a light shoe. Gilt f'nish.

Very neat, just the thing for ladies, children and Boy Scouts.

There is no better sport than pitching horse shoes; it tends to develop the whole physical anatomy; also trains the eye for distance. Pair consists of two shoes.

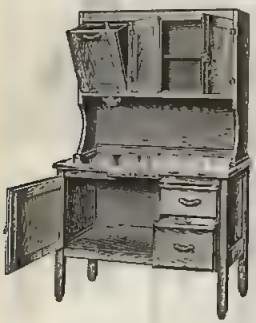
No. 22J—Size 6¾x6⅜ in., w't 1½ lbs., per pair $2.60

ONE PAIR (2) IN A BOX

KITCHEN CABINETS

Sturdily constructed with all the latest improvements by one of America's leading cabinet makers. Under the maker's name plate you would pay at least 25% more than these quotations.

Rounded corners and edges, all joints mortised and tenoned, guaranteed not to sag or fall apart. All white enameled cabinets are finished with high grade "Satin" white enamel. All doors and drawers have the dust tip construction and are finished inside. High grade refrigerator style hardware and three ply panel backs on all cabinets.



"Our Leader"

MATERIAL—Solid Indiana oak

SIZE—Ht 68 in., top 25x40 in.

FEATURES—Tilting metal flour bin with sifter, bread board and cake or bread box with ventilated metal sliding top.

P8648—Golden oak inside and out, stationary wood top. Crated, 175 lbs. Each. **$15.75**

P8641—Golden oak inside and out, stationary nickeloid top. Crated, 175 lbs. Each, **$16.75**

"New Utility"

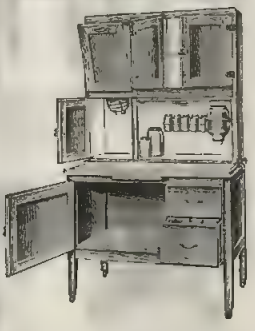
MATERIAL—Solid oak.

SIZE—Ht. 70 in., top 27x40 in.

FEATURES—Metal top bread and cake box, roomy cupboard with sliding wire shelf, wiper pan rack, large metal top flour bin, partitioned cutlery drawer, bread board, steel sliding mouseproof bottom, nickel plated trimmings.

P8638 — Golden oak inside and out, porcelain top. Crated, 190 lbs. Each, **$16.75**

P8803—White enamel inside and out, porcelain top. Crated, 190 lbs. Each, **$17.95**



"Comfort"

MATERIAL—Solid Indiana oak.

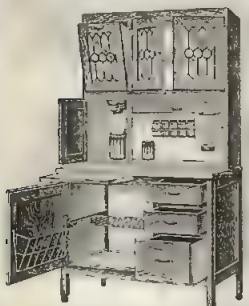
SIZE—Ht. 70 in., top 28x40 in.

FEATURES—Tilting metal flour bin with sifter, wood cake and bread box with ventilated sliding top, drop roll racks.

EQUIPMENT—Complete set of five spice jars, one tea and one coffee container, crystal glass sugar jar on swinging steel hanger, large bread board. Crated, 200 lbs.

P8842—Golden oak, upper section white enamel, inside nickeloid sliding top. Each, **$23.75**

P8843—Golden oak, upper section white enamel, inside porcelain sliding top. Each, **$26.75**



"The Marvel"

MATERIAL—Selected Indiana oak

SIZE—Ht. 70 in., top 26x40 in.

FEATURES—Drop curtain front, wood cake and bread box with ventilated sliding metal top, sliding wire shelf, pan rack, sliding steel mouseproof bottom, frosted glass doors in top, sifting flour bin.

EQUIPMENT—Complete set of five spice jars, one tea and one coffee container, crystal sugar jar on swinging steel hanger, large bread board.

P8846—Golden oak outside, white enamel inside, sliding porcelain top. Crated, 225 lbs. Each, **$32.50**

"Purity"

MATERIAL—Selected Indiana oak.

SIZE—Ht. 70 inches, top 26x40 in.

FEATURES—Drop curtain front, metal cake and bread box, large full glass front, large flour bin, pan rack, sliding wire shelf, steel mouseproof bottom, frosted glass doors, mouseproof castors, nickel plated trimmings.

EQUIPMENT—Complete set of five spice jars, one tea and one coffee container, swinging crystal sugar jar, large bread board.

P8327—White enamel inside and out, white porcelain sliding top. Crated, 250 lbs. Each, **$42.50**

"De Luxe"

MATERIAL—Selected Indiana oak

SIZE—Ht. 78 in., top 28x40 in.

FEATURES—Roll curtain front, metal cake and bread box, covering flour bin, dust proof casters, wire pan racks, sliding wire shelf, dustproof three ply bottom under entire base, sliding mouseproof metal bottom in base, frosted glass doors, four cutlery drawers in top, divided cutlery drawer in base.

EQUIPMENT—Complete set of five spice jars, one tea and one coffee container, swinging crystal sugar jar and large bread board.

P8325—Golden oak outside, white enamel inside, sliding porcelain top. Crated, 260 lbs. Each, **$49.75**

P8326—White enamel inside and outside, sliding porcelain top. Crated, 260 lbs. Each, **$52.50**

WOOD TOP KITCHEN TABLES

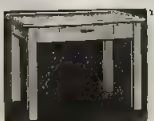
37x42 in. white wood top, stained legs and apron, with drawer

P7505—2 in crate. Each, **$3.00**

P7504—6 in crate. Each, **$2.85**

P7507—Drop leaf, 38x30 closed, 38x44 open, golden finish strong hinges, braced and bolted construction, with casters. Crated 2 in crate. Each, **$5.90**

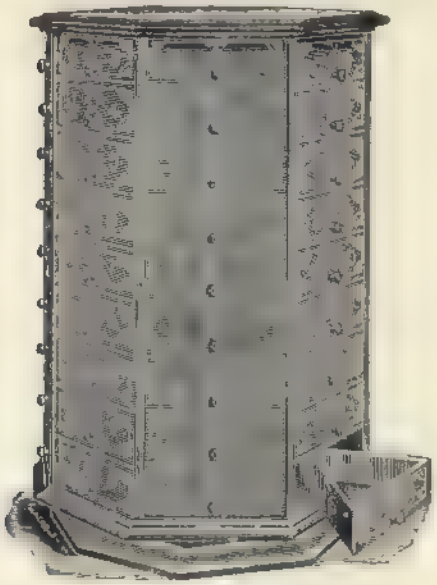
PORCELAIN TOP KITCHEN TABLES



Indestructible porcelain top, 3 coats white enamel finish, nickel trimmings, cutlery drawer 13x16 in., [illegible] in. chamfered legs with [illegible] of silence slides

P4095—28x40 in. top 2 in crate, k. d., 113 lbs. Each, **$7.25**

REVOLVING SCREW CASES



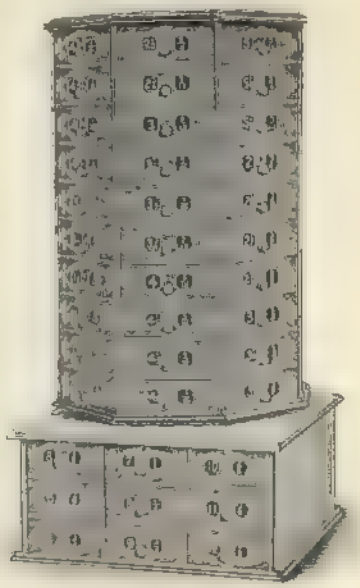
Made of poplar wood, cherry stained

Capacities of Cases

Lengths	No. 1	No. 2	No. 3	No. 4
¼ in	....	...	1 to 2	1 to 2
⅜ in.	....	2 to 4	2 to 5	2 to 6
½ in.	3 to 7	3 to 7	3 to 7	3 to 8
⅝ in.	5 to 8	4 to 8	4 to 9	4 to 11
¾ in.	5 to 9	4 to 10	4 to 10	4 to 12
⅞ in.	7 to 10	6 to 11	5 to 12	6 to 12
1 in.	6 to 14	6 to 14	6 to 15	6 to 16
1 ⅛ in.	7 to 15	7 to 15	7 to 15	7 to 15
1½ in	8 to 16	8 to 16	8 to 16	8 to 16
1¾ in	9 to 17	9 to 17	9 to 18	9 to 17
2 in	10 to 18	10 to 18	10 to 18	10 to 18
2½ in	12 to 16	12 to 16	12 to 16	12 to 16
3 in	16 to 22	16 to 22	16 to 22	16 to 22
3½ in				16 to 20

Drawers for 3 and 3½ inch screws are stenciled for Nos. 16, 18, 20 and 22. All other lengths are stenciled for Nos. 1 to 17 inclusive depending upon the length

REVOLVING BOLT CASES



Made of poplar wood, cherry stained

Capacity of Case No. 5

Tire Bolts

Diameter	Lengths
⅜ in	1¼ to 3 in. by ¼ in.
¼ in	1¼ to 3 in. by ¼ in.
⅝ in	2, 2¼, 2½ inches

Carriage Bolts

Diameter	Lengths
¼ in	1¼ to 5 in. by ¾ in.
⅜ in.	1¼ to 6 in. by ¼ in. except 5¾ in
½ in	2 to 6 in. by ¼ in. except 5¾, 5½, 5¾ in
⅝ in	2 to 10 in. by ½ in. except 7½, 8½, 9½ in.
¾ in	2 to 12 in. by ½ in. except 7½, 8½, 9½, 10½, 11½ in

No. 6 Same as No. 5 except that it holds additional carriage bolts ⅞ in. and 1 in. by 7½, 8½ and 9½ in

No.	For	Drawers	Height	Width	Packed	Weight	Each
1	screws	72	33 in.	21 in	crated	125 lbs.	$50.00
2	screws	80	36 in.	21 in	crated	125 lbs.	56.50
3	screws	88	39 in	24 in	1 crated	150 lbs.	62.00
4	screws	96	42 in	25 in	1 crated	150 lbs.	66.50
5	bolts	98	60 in	30 in	1 crated	375 lbs.	102.00
6	bolts	104	65 in.	30 in	1 crated	450 lbs.	110.50

All cases on this page are for direct shipment from factory and can be supplied with blank drawer fronts, with label holders, for auto dealers, garages, etc., but take different list prices.

ALBANY HARDWARE & IRON CO.

STEEL NAIL BINS

No. 28B

Each section revolves independently on ball bearings, in either direction no matter how heavily loaded. Wearproof machined bearings.

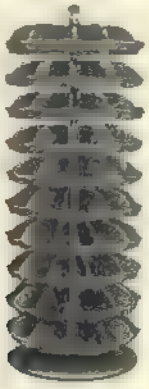
Two inch double strength steel center support molded solidly into iron base.

Bins made of roller-leveled sheet steel. Scale, scoop, chains, scale arm are extra.

Sections,	5	Width,	48 in.
Compartments,	25	Height to Top Bins	58 in
Comp. Capacity,	110 lbs.		

Packed, 1. Weight, 360 lbs. ..... each, **$150.00**

AUTO PARTS CASES



No. 100C

Sections revolve in either direction on ball bearings. All steel with substantial center stem

Compartments are 4½ in wide 7 inches long, tapering to center, 3 inches deep.

Sections,	10	Height,	38 in.
Compartments,	120	Diameter,	16 in.

Packed, 1. Weight, 150 lbs. ..... each, **$70.00**

BOLT AND SCREW CASES

No. 70

Each section revolves in either direction on ball bearings.

Double strength steel center stem solidly molded into cast iron base

Every compartment has card holder

Made of twenty gauge steel with beaded edge.

Sections,	10	Height,	66 in.
Compartments,	120	Diameter,	26 in.

Packed, 1. Weight 400 lbs. ..... each, **$127.00**

DISPLAY STANDS

No. 40-40

Sections revolve on ball bearings, in either direction, independent of the others. Stabilizing feature prevents sagging or getting out of line.

Double strength center stem molded solidly into cast iron base.

No.	Diameter of Sections 1	2	3	4
Inches,	31	28	25	22

Height, 58 inches.

Packed, 1. Weight, 150 lbs. ..... each, **$60.00**

Our salesmen have complete catalogue of these fixtures
Goods on this page for factory shipment only

WRENCHES

ADJUSTABLE "S"

No.	Size	Opening	Packed	Weight	Per Doz
48	6 in.	¾ in.	½ doz.	2¾ lbs.	$ 8.00
48	8 in.	1 in.	½ doz.	6 lbs.	10.00
48	10 in.	1⅜ in.	½ doz.	11 lbs.	12.00
48	12 in.	1⅝ in.	½ doz.	16½ lbs.	18.00
48	14 in.	2 in.	½ doz.	29 lbs.	24.00

ALLIGATOR PATTERN

No. 1¾

No.	Length	For Pipe	Packed	Weight	Each
1	5¾ in.	⅛ to ⅜	1 doz.	3 lbs.	$0.35
1¾	7 in.	⅛ to ¾	½ doz.	3¾ lbs.	.75

CONSTRUCTION

15 per cent angle. Unfinished

No.	Length	U.S.S. Nuts (Bolt Size)	Opening (Milled)	Weight Each	Each
207	13 in.	⅝ in.	1⅛ in.	1.40 lbs.	$1.24
208	15 in.	¾ in.	1¼ in.	2.00 lbs.	1.72
209	17 in.	⅞ in.	1⅜ in.	3.20 lbs.	2.36

STRUCTURAL

Straight Opening. Unfinished

No.	Length	U.S.S. Nuts (Bolt Size)	Opening	Weight Each	Each
907	13 in.	⅝ in.	1⅛ in.	1.70 lbs.	$1.48
908	15 in.	¾ in.	1⅜ in.	2.50 lbs.	2.04

DOUBLE HEAD "S"

22½ degree angle. Finished

No.	Length	U S.S. Nuts (Bolt Size)	Openings (Milled)	Weight Each	Each
661A	4 in.	⅜-⅞	⅞x ⅜	.17 lbs.	$0.44
661C	4 in.	⅞-¾	⅜x ½	.17 lbs.	.44
662B	5 in.	¾-⅞	½x ⅜	.30 lbs.	.58
662C	5 in.	¾-⅜	½x ⅞	.30 lbs.	.58
663A	6¼ in.	⅞-⅜	⅜x ⅞	.48 lbs.	.78
663C	6¼ in.	⅜-⅞	⅞x ⅜	.48 lbs.	.78
664A	7½ in.	⅜-½	⅞x ⅝	.94 lbs.	1.06
664B	7½ in.	⅞-½	⅜x ⅝	.94 lbs.	1.06
665A	9 in.	½-⅞	⅝x ⅜	1.35 lbs.	1.44
665B	9 in.	½-⅝	⅝x1⅛	1.35 lbs.	1.44
665C	9 in.	⅞-⅝	⅜x1⅛	1.35 lbs.	1.44
666B	10½ in.	⅝-¾	1⅛x1¼	2.10 lbs	2.00
667A	12 in.	¾-⅞	1¼x1⅜	3.40 lbs	2.90
667C	12 in.	⅞-1	1⅜x1⅝	3.40 lbs.	2.90

ENGINEER'S

15 per cent angle. Double head. Semi-finished

No.	Length	U.S.S Nuts (Bolt Size)	Openings (Milled)	Weight Each	Each
21	3½ in.	⅛- ⅞	⅞x ⅜	.05 lbs.	$0.34
23	4 in.	⅞- ¼	⅜x ½	.14 lbs	.42
25	4⅞ in.	¼- ⅞	½x ⅝	.20 lbs	.50
26	5⅛ in.	¼- ⅜	½x ⅞	.31 lbs.	.62
27	5⅛ in.	⅞- ⅜	⅜x ⅞	.31 lbs.	.62
29	6⅛ in.	⅜- ⅞	⅞x ⅜	.46 lbs	.74
30	7⅛ in.	⅜- ½	⅞x ⅝	.65 lbs.	.90
31	7⅛ in.	⅞- ½	⅜x ⅝	.65 lbs.	.90
33	8¾ in.	½- ⅞	⅝x ⅜	.93 lbs.	1.10
34	9¼ in.	½- ⅝	⅝x1⅛	1.27 lbs.	1.36
35	9¼ in.	⅞- ⅝	⅜x1⅛	1.23 lbs.	1.36
36	11⅝ in.	⅞- ¾	⅜x1¼	1.83 lbs.	1.92
37	11⅝ in.	⅝- ¾	1⅛x1¼	1.85 lbs.	1.92
38	13½ in.	⅝- ⅞	1⅛x1⅜	2.60 lbs.	2.80
39	13½ in.	¾- ⅞	1¼x1⅜	2.60 lbs.	2.80
40	15½ in.	¾-1	1¼x1⅝	3.70 lbs.	3.80
41	15½ in	⅞-1	1⅜x1⅝	3.50 lbs.	3.80
42	17 in.	⅞-1⅛	1⅜x1⅛	5.50 lbs.	5.30

ALBANY HARDWARE & IRON CO.

BONNEY DOUBLE HEAD WRENCHES

Engineer's

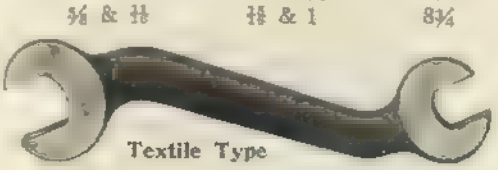
15 degree angle. Drop forged chrome vanadium steel. Nickel finish with buffed heads

No.	U.S.S. Bolt Size	Hex. Head Cap Screw	S.A.E. Standard Screw and Nut	Milled Openings	Extreme Length	Thickness Of Heads	Weight Each	Each
1725	¼	¼ & 5/16	¼ & 5/16	5/16 & ½	5½	11/64	2¾ oz.	$0.80
1725A	..	¼ & 3/8	¼ & 3/8	5/16 & 5/16	5½	11/64	2¾ oz.	.80
1725B	¼	5/16 & 3/8	5/16 & 3/8	½ & 5/16	5½	11/64	2 oz.	.80
1726	5/16	5/16 & 7/16	5/16 & 7/16	½ & 5/8	6½	3/16	4 oz.	.95
1727	..	3/8 & 7/16	3/8 & 7/16	5/16 & 5/8	6½	3/16	4 oz.	.95
1728	..	3/8 & ½	3/8 & ½	5/16 & ¾	7½	7/32	6 oz.	1.20
1729	..	7/16 & ½	7/16 & ½	5/8 & ¾	7½	7/32	6 oz.	1.20
1731A	½	½ & 9/16	½ & 5/8	¾ & 7/8	8½	11/64	8¼ oz.	1.45

Engineer's

15 degree angle. Carbon steel. Straight handle

No.	U.S.S. Bolt Size	Hex. Head Cap Screw	S.A.E. Standard Screw and Nut	Milled Openings	Extreme Length	Thickness Of Heads	Weight Each	Each
721	3/8	3/8 & 7/16	..	7/16 & 3/8	3¾	11/64	.06 lb.	$0.25
21	3/8 & 7/16	3/8	..	7/16 & 11/32	3¾	11/64	.06 lb.	.25
723	..	7/16 & ¼	¼	3/8 & 7/16	4	¼	.14 lb.	.30
723A	..	7/16 & 7/16	7/16	3/8 & ½	4	¼	.14 lb.	.30
23	7/16 & ¾	7/16	7/16	11/32 & ½	4	¼	.14 lb.	.30
725	¼	¼ & 7/16	¼ & 7/16	7/16 & ½	4⅞	5/16	.21 lb.	.35
725A	..	¼ & 9/16	¼ & 9/16	7/16 & 7/16	4⅞	5/16	.21 lb.	.35
725B	¼	7/16 & 9/16	7/16 & 9/16	½ & 7/16	4⅞	5/16	.21 lb.	.35
25	¼ & 5/16	7/16	7/16	½ & 11/32	4⅞	5/16	.21 lb.	.35
727	..	9/16 & 5/8	9/16 & 5/8	7/16 & 9/16	5⅞	11/32	.31 lb.	.40
27C	9/16	9/16	9/16	7/16 & 11/16	5⅞	11/32	.31 lb.	.40
27	5/16 & 9/16	..	..	11/32 & 11/16	5⅞	11/32	.31 lb.	.40
28	7/16 & 7/16	..	..	11/32 & 13/32	6⅞	3/8	.46 lb.	.50
729	..	7/16 & ½	7/16 & ½	9/16 & ¾	6⅞	3/8	.46 lb.	.50
28S	7/16	7/16	7/16	9/16 & 13/32	6⅞	3/8	.46 lb.	.50
29	9/16 & 7/16	..	..	11/16 & 11/32	6⅞	3/8	.46 lb.	.50
731	..	½ & 7/16	½	¾ & 11/16	7⅞	13/32	.64 lb.	.60
731A	½	½ & 9/16	½ & 7/16	¾ & 3/8	7⅞	13/32	.64 lb.	.60
31	7/16 & ½	9/16	7/16	13/32 & 3/8	7⅞	13/32	.64 lb.	.60
33C	..	¾	9/16 & 11/16	11/16 & 1	8¾	11/32	.93 lb.	.75



Textile Type

22½ degree angle. Carbon steel

No.	U.S.S. Bolt Size	Hex. Head Cap Screw	S.A.E. Standard Screw and Nut	Milled Openings	Extreme Length	Thickness Of Heads	Weight Each	Each
550AS	..	7/16 & ¼	¼	3/8 & 7/16	4¾	¼	.17 lb.	$0.35
551AS	¼	7/16 & 5/16	7/16 & 5/16	½ & 7/16	5¾	7/16	.29 lb.	.40
552AS	5/16	7/16	7/16	9/16 & 11/16	7	11/32	.55 lb.	.55
553AS	..	½ & 7/16	½	¾ & 11/16	8¼	3/8	.75 lb.	.70
554AS	3/8	9/16 & ¾	7/16 & 11/16	3/8 & 1	9½	7/16	1.21 lbs.	1.00
555AS	9/16 & ¾	..	¾ & 13/16	1 1/16 & 1¼	11	½	1.84 lbs.	1.30

Prices on Application

X-RAY REFLECTORS

X-Ray Reflectors are the most powerful reflectors made. They are of a high grade glass, heavily plated with pure silver which is protected by a special green backing which will not peel, crack or blister. It is because of this powerful reflecting quality that they are standard for show window lighting all over the world.

JUPITER

For 100 watt Mazda Type "C" gas-filled lamp.

The JUPITER is a powerful concentrating reflector which will perfectly illuminate windows whose height equals about twice their depth. It has similar dimensions to the JOVE reflector and uses the same shade holder. Hence, when used together alternated they make a neat appearance in the window. They are made as small as possible to secure proper results.

Install in windows 10 to 15 ft. high and one-half to two-thirds as deep.

No. 610E—Width 10 in., depth 10½ in., height including neck 7¾ in., holder 3¼ in., form "A,"
each, reflector only *$6.00*

TWELVE IN A STANDARD PACKAGE
WEIGHT 35 LBS.

BEEHIVE

For 75 watt Mazda "C" lamp.

(Also may be used with 25, 40, 50 and 60 watt Mazda "B" lamps by using 2¼ in. form "O" holder).

A small distributing X-Ray reflector of pleasing lines, principally adapted for localized lighting, such as drop cord and bench lighting in shops, over counters and work tables, and for general illumination from comparatively low ceilings, as, for instance, bowling alleys, basements, store rooms and corridors.

No. 535E—Diam. 5¾ in., 2¼ in. holder, form "H," height 5¼ in.,
each *$2.00*

TWENTY-FOUR IN A STANDARD PACKAGE. WT 18 LBS.

BEEHIVE

For 100 watt Mazda "C" lamp.

A popular reflector for the 100 watt Mazda "C" lamp. It effectively conceals the lamp and gives a broad light distribution. A special system of spiral and vertical corrugations produces a practically even and well distributed light, eliminating all streaky effects.

No. 570E—Diam. 7⅝ in., 3¼ in. holder, form "A," height 6⅞ in.,
each, reflector only *$3.50*

SIXTEEN IN A STANDARD PACKAGE
WEIGHT 32 LBS

Our reputation founded on over sixty-eight years' business stands back of the [illegible] brand.

All goods branded [illegible] are guaranteed to be of highest quality material and workmanship and free from imperfections.

In selling [illegible] articles there is a profit for you and satisfaction to your customers.

JOVE

For 100 watt Mazda Type "C" gas-filled lamp.

The JOVE is a scientifically correct window lighting reflector with high temperature backing, designed especially for use with a 100 watt Mazda "C" lamp. This reflector and lamp gives the highest intensity of uniform store window illumination ever produced with 100 watts. Its shape completely hides the intensely bright filament and the special corrugations properly break up and distribute the light.

The JOVE has been designed for windows of average proportions, those whose height is one to one and one-half times their depth.

No. 600E—Width 10 in., depth from front to back 9 13/16 in., height including neck 7¾ in., holder 3¼ in., form "A."
each, reflector only *$6.00*

TWELVE IN A STANDARD PACKAGE
WEIGHT 35 LBS.

BEEHIVE

For 200 watt Mazda "C" lamp.

This reflector should be used for efficient, direct lighting of average, large working spaces. The spread of light from this reflector with a 200-watt Mazda "C" lamp will give good, general lighting in a space of 20 feet square at average hanging height.

No. 575E—Diam. 9¾ in., 3¼ in. holder, form "A," height 8 in.,
each, reflector only *$4.25*

EIGHT IN A STANDARD PACKAGE
WEIGHT 14 LBS.

X-RAY REFLECTORS

SCOOP

For 75 watt Mazda Type "C" gas-filled lamp.

The SCOOP is a scientifically correct reflector, designed for use with the 75 watt Mazda "C" lamp. It is designed for small show windows, particularly those whose height is equal to the depth.

The reflector is small in size, requires little head-room and makes a very neat appearance. If very bright illumination is desired, install reflectors on 12-inch centers. For average conditions, reflectors on 18 to 24-inch centers give good results.

Install in windows 8 or 10 ft. high and 6 or 8 ft. deep.

No. 778E—Width 7 1/16 in., depth from front to back 6 1/16 in., height including neck 6 5/16 in., holder 2¼ in., form "O,"
each, reflector only *$4.00*

TWENTY-FOUR IN A STANDARD PACKAGE. W'T 30 LBS.

POKE BONNET

For 25, 40, 50 and 60 watt Mazda Type "B" lamps.

Install for low deep windows. A 6 in. window drape, moulding or sign will hide it.

No. 750E—Depth 7¼ in., length 14 in., complete with adjustable fork, 18 inches of re-inforced cord, plug, twin sockets and reflector, no lamps,
each *$12.00*

X-RAY REFLECTORS

Prices on Application

FLOOD LIGHT

For use with the 200 or 250 watt G-30 Mazda "C" flood lighting lamp.

Projector being small is particularly adapted for use on the sides of buildings, brackets, and other places difficult of access.

It has been widely and successfully used for protection lighting and for facilitating night operations in large spaces, both inside and outside.

The unit is weather-proof, perfectly ventilated, and not affected by heat, cold, rain, snow or ice.

No. P51XE—Finish gray, diam. 11½ in., depth over all 9¾ in., swivel and tilting base supplied with unit for bolting to supporting surface, size of base 2x4 in., with two ¾ in. holes 2⅝ in. on centers, **without lamp,**
each *$30.00*

ONE IN A STANDARD PACKAGE WEIGHT 10 LBS.

STREET LAMP FIXTURES

YARD LIGHTING UNIT

No. 1215E—Consists of a 12-inch non-discoloring white porcelain enameled steel reflector, copper cased weather-proof socket, and 30x¾ in. gooseneck with heavy cast wall fitting. Reflector is green outside; bracket and wall fitting is galvanized, 60 watt lamp is recommended, w't packed approx. 5 lbs. .....each *$6.40*

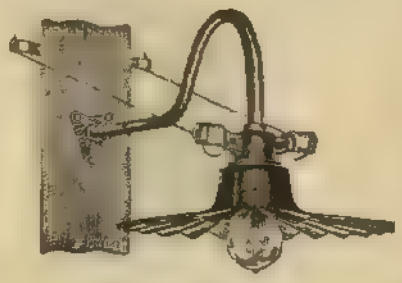
LOOSE

STREET LAMP FIXTURES

WATERPROOF UNIT

No. P505E—Furnished with 10⅝ inch non-discoloring white porcelain enameled steel reflector, and 6⅝x5¾ inch opal glass globe. It is tapped for ¾ iron pipe stem. Finish black enamel. 200 watt nitrogen size of lamp recommended, w't packed approx. 10 lbs. .....each *$13.50*

LOOSE



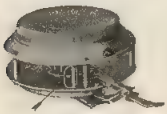
STREET UNIT

No. P1207E—18 inch radial wave non-discoloring white porcelain enameled steel reflector, and 40x¾ inch gooseneck with heavy cast wall fitting. Furnished with cast iron top and cross-arm with porcelain knobs for open wiring. Reflector is black outside; galvanized fittings. 300, 400 and 500 watt nitrogen size of lamp recommended, w't packed approx. 20 lbs. .....each *$18.80*

LOOSE

AUTOMATIC REELS

MARTIN



Aluminum frame, satin finish. Working parts are made of nickel silver and duralumin. Automatic adjustable tension, low brake

No.	Capacity	Wt. each	Each
1M	25 yds	2 ozs.	$6.00
2M	30 yds.	8 ozs.	6.80
3M	50 yds.	8½ ozs.	7.40
4M	75 yds	10 ozs	8.00

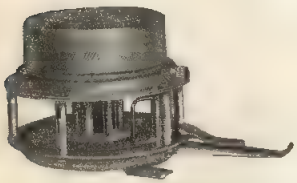
One in a box.

Same as above, except with special tungsten line protector.

No.	Capacity	Wt. each	Each
1MP	25 yds.	2 ozs.	$7 40
2MP	30 yds.	8 ozs.	8.00
3MP	50 yds.	8½ ozs.	8 80
4MP	75 yds	10 ozs.	9 40

One in a box.

MARTIN TROLLING



Aluminum frame, satin finish. All working parts are made from nickel silver and duralumin. Equipped with tungsten steel line protector. Made for heavy fishing. Has a capacity of 250 feet of light trolling line and will take in 150 feet at one winding of the spring.

No.	Capacity	Wt. each	Each
10MP	75 yds.	15 ozs.	$13 30

One in a box.

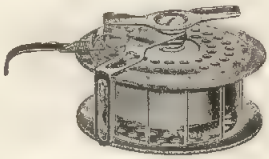
YAWMAN & ERBE COMBINATION

Made of aluminum, with tool steel bearings.

	Cap. No. 5 silk	Wt. each	Each
A	125 ft	7⅛ ozs.	$16 50
B	300 ft	11 ozs.	19.20
C	600 ft.	16 ozs.	21.60

One in a box

REGULAR

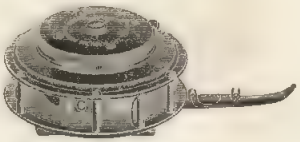


Made of aluminum, with tool steel bearings

No.	Cap. No. 9 silk	Wt. each	Each
1YE	90 ft.	8 ozs.	$12.40
2YF	150 ft	12 ozs.	14 40

One in a box.

SUPEREX



Gun metal finish. Made from extra strong light weight metal. Tungsten steel line guide; main spring release device; brake release makes a free running spool.

No.	Capacity	Wt. each	Each
775	50 yds	9 ozs.	$9 30

One in a box

WATER FILTERS

ZANESVILLE STONE FILTER

The Process of Filtering is by Percolation Through a Porous Natural Stone from the Upper to the Lower Jar Simply by the Force of Gravity which is Nature's Own Process of Filtering.

The Filtering Discs are a Natural Stone Quarried from the Earth, which is of Such a Nature that it Does Not Allow the Filth it Extracts to Enter its Pores; but Retains All Impurities Upon its Surface Whence they are Removed in Cleaning, which is as Simple an Operation as the Cleansing of an Ordinary Jar or Pail. Filter Disc can be Cleaned in two Minutes Ready for Use, when it is the Same as New.

Every Part is Easily Gotten at for the Purpose of Cleansing.

Filter is All Stone and there is Nothing to Rust and Corrode or Become Foul and Never Become Water Soaked, the Water in them Retaining its Sweet, Natural Taste.

They Have Been Fully Tested and Their Merits Established as Possessing Every Practical Adaption for Family Use, Rendering the Most Impure and Foul Rain, River or Hydrant Water Free from all Organic Matter, Gases, Taste or Smell.

Dimensions and Capacities

Nos.	1	2	3	4	6
Disc, inches	7	8¼	9	10	11
Capacity Top Vessel, quarts	5	9	12	16	24
Capacity Bottom Vessel, quarts	7	12	17	21	30
Capacity per Day, gallons	2 to 3	3 to 5	4 to 8	6 to 10	10 to 41

FOR DOMESTIC SHIPMENTS

WITHOUT INSIDE ICE JARS

Nos.	1	2	3	4	6
Weight, lbs.	25	35	45	65	85
Each	$8 50	10.00	11.00	14.00	16.50

One in a Crate

WITH INSIDE ICE JARS

Nos.	✣1J	✣2J	✣3J	✣4J	✣6J
Weight, lbs.	29	41	52	74	96
Each	$9 00	10 50	12.00	15.00	18.50

One in a Crate

FOR EXPORT SHIPMENTS

(Prices F. O. B. Zanesville, Ohio)

WITHOUT INSIDE ICE JARS

Nos.	✣X1	✣X2	✣X3	✣X4	✣X6
Weight, lbs	38	55	57	78	115
Each	$8.00	8.50	10.50	13.50	16.00

One in a Crate

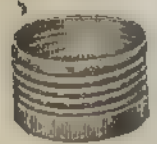
WITH INSIDE ICE JARS

Nos.	✣X1J	✣X2J	✣X3J	✣X4J	✣X6J
Weight, lbs.	42	61	74	87	126
Each	$9.00	10.00	11.50	14 50	17.00

One in a Crate

All Export Shipments Made Direct from Factory, Zanesville, Ohio.

WATER FILTER FAUCET ATTACHMENTS



ANTI-SPLASHING; WITH STRAINER

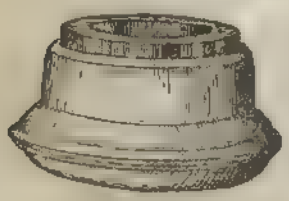
Catches All Foreign Matter which Passes Through the Faucet; Nickel Plated Brass.

Per Dozen

No. 200—For Plain or Threaded Faucets; Complete with Three Brass Screens $0 90

Per Gross 10 00

Three Dozen in a Box, Assorted for Standard Sizes of Faucets and Bibbs. Weight per Dozen ¾ lb.



All Rubber; Anti-Splashing; with Three Fine Nickel Plated Brass Screens; will Fit Both Plain and Threaded Faucets of All Sizes; Affords Protection Against Breaking or Chipping Dishes Against Faucet.

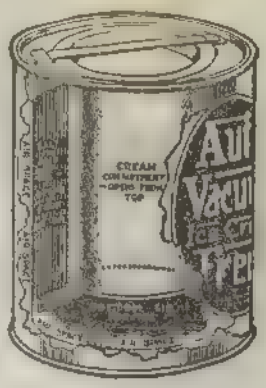
Per Dozen

No. 300—Packed Six Loose, and Six on a Display Card, in a Box..$1.80

One Dozen in a Box

ICE CREAM FREEZERS

AUTO VACUUM



Made of Heavy Tin; White Enameled

So Simple in Construction that it is Practically Impossible for it to Get Out of Order. Its Successful Use Does not Depend upon any Special Skill of the Operator. It Does its Work in Accordance with Scientific Principles and is as Nearly "Fool-proof" as it is Humanly Possible for Such a Utility to be.

Single Unit Construction

Aside from the Two Lids or Covers, the Freezer is in One Piece. Freezer is in Form of a Metal Cylinder Finished in White Enamel. This Cylinder is Constructed with a Double Wall, which Creates a "Dead Air" Space to Insulate and Protect Contents of Freezer from Outside Temperature. Within this Outer Cylinder is an Inner One—the Cream Compartment. Opening of Cream Compartment is at One End of Freezer, and Opening of Outer Cylinder—the Ice Compartment—is at Other End. This Construction Makes it Impossible for Any Ice or Salt to Seep into Compartment Containing Cream.

Ice and Salt are Packed into Ice Compartment at One End of Cylinder, which is then Turned Upright, and Ingredients are Poured into Cream Compartment at Other End. Lids or Covers are Securely Fastened Down with Clamps and Gaskets, and Freezer Allowed to Stand for 45 Minutes At End of that Time Ingredients are Frozen into Smooth, Rich, Delicious Ice Cream. Contents of the Freezer are Insulated or Protected from Outer Air and Temperature by "Dead Air" Space, Created by Double Wall, Enables Ice and Salt to do Their Work of Freezing Cream Without Aid of Turning or Cranking. Scientific Principle by which the Ice Cream Freezes is the Same One Whereby Familiar Vacuum Bottle Keeps its Contents Hot or Cold for Many Hours

Nos.	AV6	AV12	AV24
Capacity, quarts	1	2	4
Number of Dishes	6	12	24
Height, inches	9	11¾	15
Diameter, inches	7¾	9	11
Weight, Each	4	11	22
Each	$5.00	6.00	10.00
	7 50	9 00	15.00

NEW STANDARD

Twin Spiral Motion

Double Motion; Can and Dasher Revolve in Opposite Directions; Spiral Dasher Whips Cream in a Circular Upward Movement Giving Freezer a Third Motion; Inside Can, Slightly Tapered, Permitting Cream to be More Readily Removed, as well as Fecilitating Removal of Can from Packed Ice; Outside Can Tapered Allowing Freezers to Nest for Shipment; Can Cover Provided with a Long Neck, to Prevent Salt from Entering Cream; Outside Can Heavy Galvanized Steel; Inside Can and Cover, Heavy Tin Plate; Bridge and Dasher Heavy Retinned Steel; Gears and Crank Steel; Coil Wire Handle on Crank.

Per Dozen

No. 500—Capacity Inside Can Two quarts; Diameter 8½ inches; Height 10½ inches; Weight per Dozen 50 lbs $30.00

Half Dozen in a Carton, Nested

Items Marked ✣ Not Carried in Stock; Can Only be Furnished by Shipping Direct From Factory, Zanesville, Ohio.

*JERSEY ICE CREAM FREEZERS

Showing Hinged Cover and Locking Device

Sectional View Showing Interior Construction

DOUBLE ACTION

NOTE—The Can and Dasher Revolve in Opposite Directions; Automatic Twin Scrapers.

ENCLOSED GEARING

The Revolving Dasher Forces the Cream from the Center to the Sides of the Can, where, as it Freezes, it is Removed by the Scrapers.

Extra Heavy XXXX Tin Can, with **Drawn Steel Bottom;** They will not Leak, and the Bottom will not Break or Fall Out of the Body of Can; Not Liable to Injury, as are Tin Plate or Cast Iron Bottoms.

The Top of Can is Strongly Wired and Turned Over, while the Lower Part is Made to Fit Over and Under the Drawn Steel Bottom by Machinery; The Cans are the Strongest Made, and are not Liable to Collapse or to be Crushed Out of Shape.

The Gears are Completely Covered so that Neither Ice nor Salt Can Get in Cogs, Nor the Fingers be Accidentally Caught in Them; The **Hinged Cover** Can be Raised Out of the Way Without Removing it From the Tub; The **Locking Device** is Controlled by a Single Cam, is Simpler and Easier to Operate than Any Other, and Locks the Cover Immovably.

All Inside Parts Coming in Contact with the Cream are Heavily Tinned; all Outside Parts are Smoothly and **Heavily Galvanized;** The Ice Space is Arranged to Use the Least Possible Amount of Ice to Freeze in the Least Possible Time; Selected White Pine Tubs, with Electrically Welded Galvanized Steel Wire Hoops, which Will not Fall Off Nor Break.

Nos.	1	2	3	4	6
Quarts	1	2	3	4	6
Weight Each, lbs.	7	10	11	14	18
Each	$4.65	5.50	6.50	*8.00	10.00
	4.20	4.95	5.85	7 20	9 00

Nos.	8	10	12	14
Quarts	8	10	12	14
Weight Each, lbs.	24	30	31	36
Each	$13 00	17.00	21 00	24.00
	11 70	15 30	18 90	21.60

Loose; Wrapped in Heavy Paper

*JERSEY ICE CREAM FREEZERS

GIANT SIZE

For Use of Confectioners, Ice Cream Parlors, Soda Founts, Hotels, Restaurants and Boarding Houses.

The Construction is Similar to the Regular Jersey Freezers, but Heavier and Stronger; The Gear and Shaft are Connected by Clutches which Engage or Disengage by Simply Raising or Lowering the Cross Bar; The Fly Wheel or Pulley Remains Stationery at the Side of the Tub.

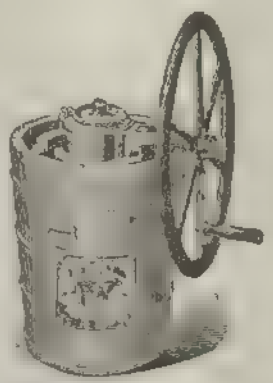
The Cross Bar is Made to Swing Up Out of the Way to Take Out Cream or can be Entirely Removed.

The Cans are Made of **Heavy Tinned Steel** with Tinned Malleable Iron Bottom; The Tub is Made of Selected White Pine with Electrically Welded Steel Wire Hoops, which will Not Drop Off or Break.

WITH CRANK

Extra Heavy Construction

Nos.	114C	118C	124C
Quarts	14	18	24
Weight Each, lbs.	48	68	76
Each	$27 00	37 00	42 00
Loose	27.00	37.00	42.00



WITH FLY WHEEL

Interchanges with Crank

Nos.	114W	118W	124W	132W
Quarts	14	18	24	32
Wheel, inches	18	21	24	30
Weight Each, lbs.	68	96	110	140
Each	$32 00	45 00	52 00	62 00
Loose	32.00	45 00	52.00	62 00

WITH POWER PULLEY

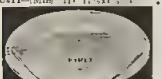
With Extra Strong Shaft Bearing

Nos.	114P	118P	124P	132P
Quarts	14	18	24	32
Pulley, inches	14x3	16x4	16x4	16x4
Weight Each, lbs.	62	82	95	108
Each	$43 00	56 00	61 00	69 00
Loose	43 00	56.00	61 00	69 00

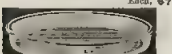
"PYREX" OVEN GLASS

The nationally advertised brand. Bakes better, browns quicker, will not chip, dent, bend or craze, sanitary and easy to wash

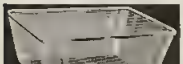
Round Pie Plates, Wide Rim
1C2122—(Mfrs. 209) 8¾x1¼ in. $0.50
1C2109—(Mfrs. [illegible]) .60
1C2111—(Mfrs. 11[illegible]) .73



Hexagonal Pie Plate—Makes 6 equal cuts.
1 in carton
1C2123—(Mfrs. 1203). 9¾x1¼ in. Each, **67c**



Round Cake Plate—3 in carton.
1C183—(Mfrs. 821). 9¼x1¼ in. Each, **50c**



Oblong Baking Dishes—1 in carton
1C199—(Mfrs. 461) 8¼x5¼ in. $0.60
1C18—(Mfrs. [illegible]) 1.00

Oblong Baking Dishes—1 in carton
1C186—(Mfrs. 462) 10¼x6¾ in. $0.87
1C187—(Mfrs. [illegible]) 1.17

Square Cake Dish—1 in carton
1C204—(Mfrs. 809). 8½x1½. Each **67c**

Round Baking Dishes—1 in carton
1C188—(Mfrs. 464). 7¼x2½, cap. 1 qt. Each, **57c**
1C189—(Mfrs. 465) 8¼x2¾, cap. 1½ qts. Each, **67c**
1C190—(Mfrs. 466). 9¼x3, cap. 2 qts. Each, **80c**

Custard Cup
1C199—(Mfrs. 455 4 oz. [illegible]) Doz. **$1.60**

Ramekin, doz. in carton
1C190—(Mfrs. 444). 4¼x1¾, round, wide rim. Doz. **$1.60**

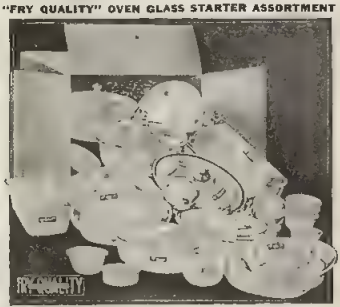
Tea Pots—1 in carton.

1C226—(Mfrs. 12).	Cap. 2 cups.	Each	$1.87
1C227—(" 14).	" 4	"	2.00
1C228—(" 10).	" 6	"	2.33

Round Casseroles—Beveled cover, Pyrostandard mountings. 1 in carton.
1C215—(Mfrs. 267). 7¼x2¾ in. cap. 1 qt. Each, **$1.00**
1C216—(Mfrs. 268) 8¼x2¾ in. cap. 1½ qts. Each, **$1.17**
1C217—(Mfrs. [illegible]) 9¼x3¼ in. cap. 2 qts. Each, **$1.34**

Oval Casseroles—Fit standard mountings
1 in carton.
1C194—(Mfrs. 107). 8½x6¼x2¾, cap. 1½ qts. Each, **$1.17**
1C193—(Mfrs. 104). 9½x7x3¼, cap. 2 qts. Each, **$1.34**

"FRY QUALITY" OVEN GLASS STARTER ASSORTMENT



1C1723 [illegible]

1 only	8 in. open baker round
1 "	8 in. open baker round
1 "	7½ in. open baker round
2 "	7½ in. covered casserole round
1 "	8½ in. covered casserole 1½ qt.
1 "	9½ in. covered casserole 2 qt.
1 "	10½x6¾ in. utility tray

$7.75

JELLY TUMBLERS—FRUIT JARS

JELLY TUMBLERS

Satiny finish, superior quality, standard shape plain crystal with tin cap.

1C1571—6 oz., milled top band. 6 doz. in case, 36 lbs. Doz. **37c**

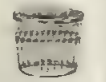
1C1573—8 oz., milled top band. 6 doz. in case, 38 lbs. Doz. **38c** (Total $2.36)

1C1575—10 oz., plain. 5 doz. in case, 40 lbs. Doz. **46c** (Total $2.70)

JELLY MOLDS

Fluted crystal, ribbed and grape design inside heavy tin cap.

1C1580—8 oz., 6 doz. in carton, 35 lbs. Doz. **39c** Total $2.15



1C1582—8 oz., 6 doz. in carton. Doz. **42c** (Total $2.52)

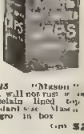
All the goods in Our Drummer are subject to our regular discount of **2%** **For Cash In 10 Days**

BALL "MASON" AND "IDEAL" FRUIT JARS

Ball "Mason" [illegible]
1C1616 1 pint 1 gro. lots 116 lbs. Gro. **$7.75**
1C1617 1 quart 1 gro. lots 216 lbs. Gro. **$9.10**
1C1618 ½ gallon 1 gro. lots 264 lbs. Gro. **$12.50**

Ball "Ideal" [illegible]
1C1625 1 pint 1 gro. lots 116 lbs. Gro. **$8.75**
1C1626 1 quart 1 gro. lots 216 lbs. Gro. **$12.50**
1C1627—½ gallon 1 gro. lots 264 lbs. Gro. **$17.50**

FRUIT JAR CAPS



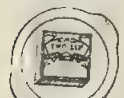
1C1625 "Mason" [illegible] zinc, will not rust [illegible] Porcelain lined [illegible] standard size Mason jars [illegible] gro. in box Gro. **$2.75**

1C1626 "Ideal," glass lids for Ideal fruit jars, [illegible] made, well finished [illegible] in box. Gro. **$2.25**

JAR RUBBERS

FRUIT JAR RUBBERS

"A Number one" quality, all made to comply with Dept. of Agriculture specifications



1C1781 — "Two-Lip," 10-32 in flange, easy opening, white rubber, approved by dept. of Agriculture for cold pack process. 12 rings in box. 2 doz. boxes (2 gro. rings) in carton. (Total $1.30) Doz. boxes. **65c**

1C1784 "Sure Seal," 10-32 in flange, white rubber, approved for one period cold pack. 12 rings in box. 3 doz. boxes (3 gro. rings) in carton. (Total $1.38) Doz. boxes, **69c**

1C1786—Ball "Perfect Seal," 10-32 in. flange, best quality red rubber, cut 12 rings to the inch. 12 rings in box. 2 doz. boxes (3 gro. rings) in box. (Total $1.44) Doz. boxes. **72c**

1C1782—"Good Housekeeping," 10-32 in. flange, red rubber, approved by The Good Housekeeping Institute, guaranteed for cold pack and standard jars. 12 rings in box. 2 doz. boxes (2 gro. rings) in carton. (Total $1.50) Doz. boxes. **75c**

1C1779—"Good Luck," 10-32 in. flange, white rubber, cut 12 to inch, for [illegible] and wide mouth Lightning Jars. 12 rings in box. 2 doz. boxes (2 gro. rings) in display carton Doz. boxes. **$0.80**
Lots of 12 doz. boxes " **.75**

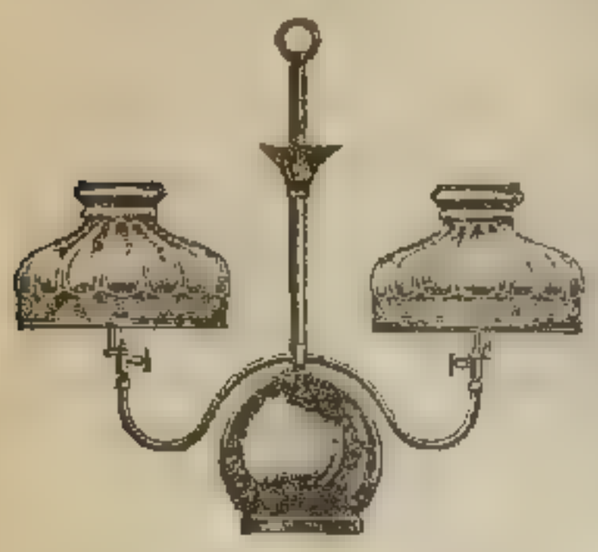
TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE

GASOLINE GAS LAMPS

COLEMAN QUICK LITE

These Lamps Make and Burn Their Own Gas From Common Gasoline. No Smoke, No Smell, No Dirty Chimneys or Any Greasy Wicks. Fill Them Once a Week; Clean Them Once a Year.

They Give a Very Bright White Light, No Danger if Upset, So Constructed That They Cannot Explode Simple and Easy to Operate, No Delicate Parts to Get Out of Order. Light With Match; Torch Unnecessary.



CHANDELIER

Designed for Lighting Stores, Churches, Schoolhouses, Homes Etc. It is Composed of Two Separate Air-O-Lite Burners, Either One or Both of Which Can be Lighted as Desired

Fount Made of 18 Gauge Brass Heavily Nickeled; Capacity, 6 pints. Supplies Both Burners for 16 to 18 Hours; Opal Ribbed Shades

Equipped With Pump, Torch, Wrench, Hanger Extra Wick and Tools for Inserting.

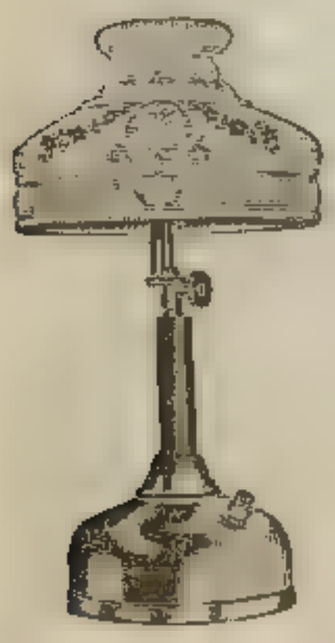
	Each
†No. PQ329—Weight Each, 16 ozs.	$26.50
One in a Carton	
No. 329—Extra Shades for Above	2.20
Per Dozen	
In Quantity of One Dozen or More	22.90
Six in a Carton	

Produces a Soft Mellow Light; Has a Match Lighting Burner; No Alcohol Torch Required

300 Candle Power Light; Brown and Tan Shade; Full Nickel Plated; Uses Gasoline for Fuel.

8 inch Fount; 20 inches High, Capacity, 3 pints.

	Each
No. CQ318—Weight Each, 10 lbs.	$15 50
One in a Carton	
No. 318—Extra Shades For Above	4.00
Per Dozen	
In Quantity of One Dozen or More	$40.70
Twelve in a Crate	

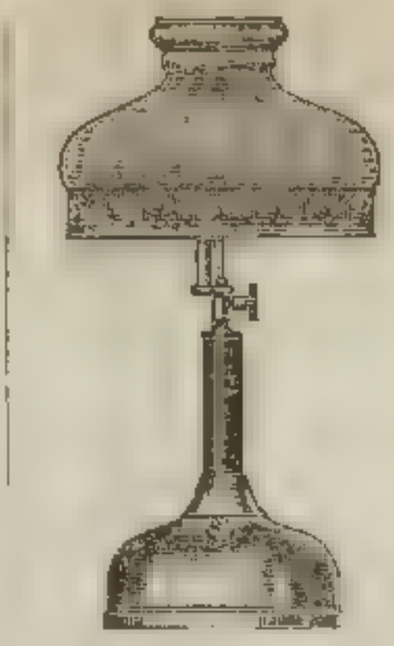


Has a Match Lighting Burner; No Alcohol Torch Required.

300 Candle Power Light; Decorated Green Tint Shade; Full Nickel Plated; Uses Gasoline for Fuel.

8 inch Fount; 20 inches High; Capacity, 3 pints.

	Each
No. CQ324—Weight Each, 10 lbs.	$15 50
One in a Carton	
No. 324—Extra Shades for Above	4 00
Per Dozen	
In Quantity of One Dozen or More	$40.70
Six in a Carton	

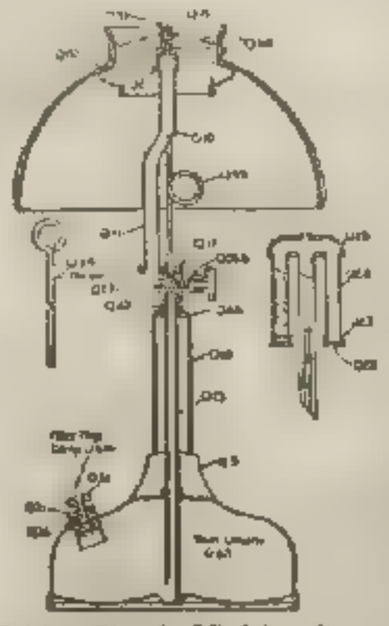


A Durable Shade; Has Match Lighting Burner; No Alcohol Torch Required.

300 Candle Power; White Opal Shade; Full Nickel Plated; Uses Gasoline for Fuel.

8 inch Fount; 20 inches High; Capacity, 3 pints.

	Each
No. CQ329—Weight Each, 10 lbs.	$14.00
No. CQ329A—Same as Above, Except that it Has a Green Border Shade With Panel Decorations	14.80
No. CQ329B—Same as CQ329A, Except that it Has a Tan Border Shade With Panel Decorations	14 80
One in a Carton	
No. 329—Extra Shades for No. CQ329 Lamp	2 20
Per Dozen	
In Quantity of One Dozen or More	$22 90
Six in a Carton	
	Each
No. 329A—Extra Shades for No. CQ329A Lamp	$3 50
Per Dozen	
In Quantity of One Dozen or More	$38 00
Twelve in a Carton	
	Each
No. 329B—Extra Shades for No. CQ329B Lamp	3 50
Per Dozen	
In Quantity of One Dozen or More	$35 00
Twelve in a Carton	



EXTRA PARTS FOR QUICK LITE LAMPS

Nos.	Each
Q5—Fount Shell	$0 60
Q11—Burner Support Tube Only	.70
Q17—Burner Support Casting	.24
Q18—Gas Tips	.14
Q23—Burner Cap Complete	.36
Q24—Burner Tube	.24
Q25—Burner Cap Screw	.14
Q26—Mixing Chamber	.90
Q32—Air Stem	.36
Q36—Rubber Gaskets	.14
Q41—Shade Holder Screw	.14
Q45—Handle	.50
Q46—Fiber Handle Cap	.14
Q47—Handle Lock Nut	.14
Q56B—Valve Stem and Nut	.50
Q57—Valve Complete	1.10
Q63—Universal Shade Holder	.50
Q64B—Filler Plug Complete	.90
Q65—Fount with Filler Plug	3 30
Q69—Hanger	.14
Q70—Burner, Generator and Valve, Assembled	4.50
Q99—Generator Complete	.60
CQ—Wrench	.40
CP—Pump	1.10
Loose	

Items Marked † Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory

GASOLINE GAS LAMPS

NU-LITE

Has Durable White Embossed Shade Decorated; Match Lighting Burner; No Alcohol Torch Required; 400 Candle Power; Nickeled Plated Base; Has Two Mantels; Fount, 8 inch Base; Capacity, 3 pints; Uses Gasoline as Fuel.

Each

†No. 110M—Weight Each, 11 lbs. $13 70
One in a Carton

Has Durable White Embossed Shade; Torch Lighting Burner; 400 Candle Power; Fount, 8 inch Nickel Plated Base; Capacity, 3 pints; Uses Gasoline as Fuel.

Each

†No. 110—Weight Each 11 lbs..... $13.70
One in a Carton

KEROSENE GAS LAMPS

COLEMAN KER-O-LITE

Ker-O-Lite is a Pressure Lamp Making its Gas from Kerosene Instead of Gasoline. It Operates on the Same Principle as the Air O-Lite, Uses Two Small Rag Mantles and Gives Just as Bright a Light. It Requires More Frequent Cleaning Because Kerosene is a Heavier Oil, but to Make This Easy the Ker-O-Lite is Constructed With a Quick Detachable Generator.

Equipment Furnished With Each Lamp: 2 Mantels, Lighter, Pump, Wrench, Hanger, Extra Generator and Set of Cleaning Tools for Removing Old and Inserting New Filter.

10 inch Ribbed Opal Shade; 8 inch Nickel Plated Brass Fount; Fount Capacity, 4 pints; Height, 22 inches; Produces a Light Equal to 300 Candles.

Each

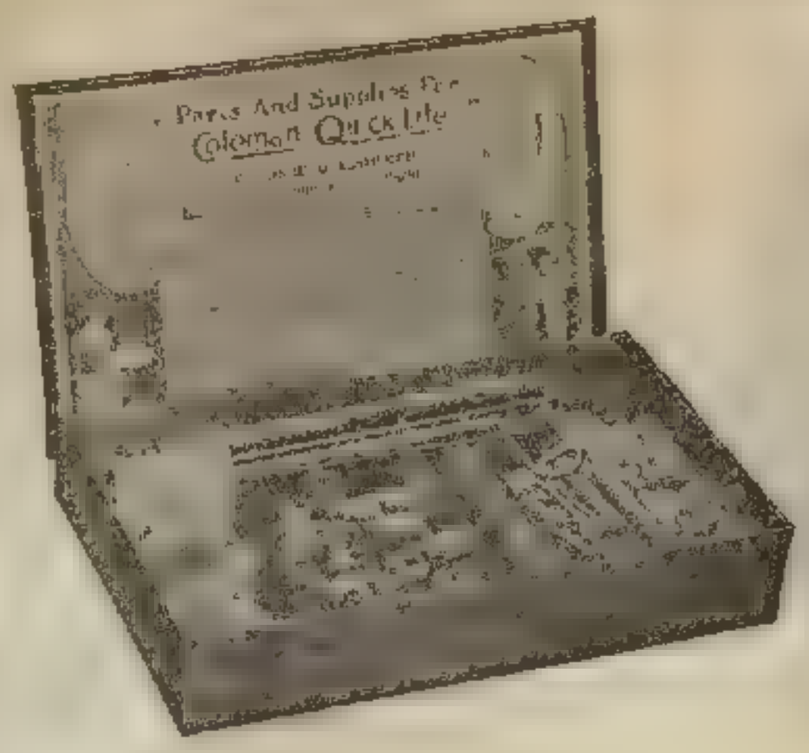
No. K307 - Weight Each, 10 lbs..... $14.50
One in a Carton

No. 307—Extra Shades for Above..... 3.00

Per Dozen

In Quantity of 1 Dozen or More..... $27.50
Six in a Carton

COLEMAN QUICK-LITE SUPPLY CASE



This Quick-Lite Supply Case is Made of Strong 26 Gauge Metal. It is Finished in Olive Green, Inside and Out, and the Walls of the Compartments are All Spot-Welded Together. The Case Itself Measures 13⅜ inches Long by 7⅞ inches Wide by 2⅝ inches Deep. This Case Contains the Following Parts:

4–Q57 Valves	12–Q18 Gas Tips	1–LQ55 Stem and Nut
3–Q Pumps	2–Q41 Shade Screws	1–C45 Handle Fiber
1–Q11 Air Intake	3–Q Wrenches	3–C69 Lamp Hanger
4–Q25 Screens	1–Q17 Casting	6–Q Pump Leathers
1–Q26 Mixing Chamber	2–Q Tip Wrenches	1–Q63 Shade Holder
1–Q56B Valve Stem	4–Q64B Filler Plug	2–LQ41 Ball Nuts
2–C46 Handle Caps	4–Q23 Caps and Screen	3–LQ Wrenches
2–C47 Handle Nuts	4–Q24 Burner Tubes	12–007 Tip Cleaners
6–Q36 Gaskets	2–LQ57 Lantern Valves	12–Q99 Generators

Each

No. SQL—Weight, 8 lbs..... $33.00
One Case in a Carton

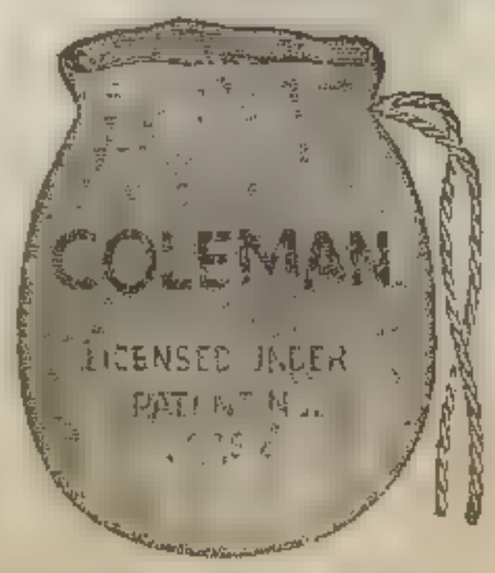
COLEMAN MANTEL DISPLAY

This is An Attractive Carton, Being Finished in Purple and Orange. These Mantels Come Packed 12 Mantels to a Box, and 12 Boxes to a Carton. Time and Expense are Saved as it Costs No More to Sell and Ship a Gross Than a Dozen or Less. One Gross of Mantels to a Carton. Size of Carton, 3x9⅝x8⅝. We Do Not Break Cartons.

Per Gross

No. CMD—Weight Approximately, 3½ lbs. $18.90
One Gross in a Display Carton

GASOLINE RAG MANTELS



COLEMAN

Made from Egyptian Long Fiber Thread, Highly Solutioned With Best Grades of Necessary Chemicals, and Has a Reinforced Bottom.

Per Dozen

No. 41—Length, 2⅛ inches..... $1 70
Twelve Mantels in a Box; Twelve Boxes in a Carton

Items Marked † Not Carried in Stock, Can Only be Furnished by Shipping Direct from Factory, Chicago, Ill

ELECTRIC PORTABLE LAMPS

NOTE—Bulbs Not Included With Any Lamp Shown on This Page.

Electric Portable; Oxidized Brass; 19½ inch Octagon Shade; Amber Glass; Height 22½ inches; 2 Lights; Pull Sockets With 6 feet Cord.

Each

No. 1432½—For Electric Only; Weight Each, 25 lbs..... ... $44 00
One in a Box

Electric Portable, Bronze Green; 16 inch Shade Decorated Ocean Scene; Height, 21 inches; 2 Lights; Pull Sockets; With 6 feet Cord.

Each

No. 1388½—For Electric Only; Weight Each, 25 lbs.....$37.50
One in a Box

Electric Portable, Gold Bronze; 18 inch Shade, Green Color; Height, 21½ inches; 3 Lights; Pull Sockets With 6 feet Green Silk Cord.

Each

No. 1434½—For Electric Only; Weight, Each, 40 lbs.....$36 80
One in a Box

Electric Portable; Green, With Gold Trimmings; 15½ inch Decorated Shade; Height, 20½ inches; 2 Lights; Pull Socket, 6 feet Brown Silk Cord.

Each

No. 1492½—For Electric Only; Weight Each, 20 lbs.....$33.30
One in a Box

Electric; Antique Copper Finish; Fancy Art Glass Panel Shade; Two Pull Chain Sockets; Complete With 6 feet Silk Cord and Plug; Diameter of Shade, 19 inches; Height Over All, 19½ inches.

Each

No. 11½—For Electric Only; Weight Each, 12½ lbs.....$30.20
One in a Box

Electric Portable Reading Lamp; Scenic Decorated Shade 14 inches in Diameter; Base, Stem and Cluster Finished in Pompeian Green; Two Pull Chain Sockets; Complete With 6 feet Silk Cord and Plug; Height Over All, 21 inches.

Each

No. 321—For Electric Only; Weight Each, 20 lbs $27.50
One in a Box

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE

ELECTRIC PORTABLE LAMPS

NOTE—Bulbs are Not Included with Any Lamp Shown on This Page

Electric Portable; Mahogany and Gold Finish, 14 inch Decorated Glass Shade, Height 19 inches; 2 Light, Pul. Socket; 6 feet Brown Cord.

Each

No. 1386½—For Electric Only; Weight Each, 20 lbs. **$24 80**

One in a Box

Electric Portable; Ivory Finish, White Glass Shade with Tinted Flower Decoration, 8 inch 1 Light; Key Socket; Height 14 inches; 6 foot White Silk Cord.

Each

No. 1475½—For Electric Only; Weight Each, 7 lbs. **$20 70**

One in a Box

Electric Portable Reading Lamp; Octagon Amber Glass Shade 13 inches in Diameter; Base, Stem and Cluster in Verde Antique Green Finish; Two Lights with Pull Chain; Complete with 6 feet of Silk Cord and Plug; Height Over All, 19½ inches.

Each

No. 736½—For Electric Only; Weight Each, 15 lbs. **$19.00**

One in a Box

Electric Portable Reading Lamp; 12 inch Round Dark Green Glass Shade; Base, Stem and Cluster Finished in Antique Brass; Two Lights with Pull Chain Sockets; Complete with 6 feet of Silk Cord and Plug; Height Over All, 19½ inches.

Each

No. 7½—For Electric Only; Weight Each, 15 lbs. **$18 20**

One in a Box

Electric Portable Reading Lamp; Scenic Decorated Glass Shade 10 inches in Diameter; Base, Stem and Cluster Finished in Royal Bronze; One Pull Chain Socket; Complete with 6 feet Silk Cord and Plug; Height Over All, 17 inches.

Each

No. 385 For Electric Only; Weight Each, 15 lbs **$17 60**

One in a Box

Electric Portable; Black; 12 inch Glass Decorated Shade; Height 19½ inches; 1 Light; Key Socket; 6 feet Brown Cord

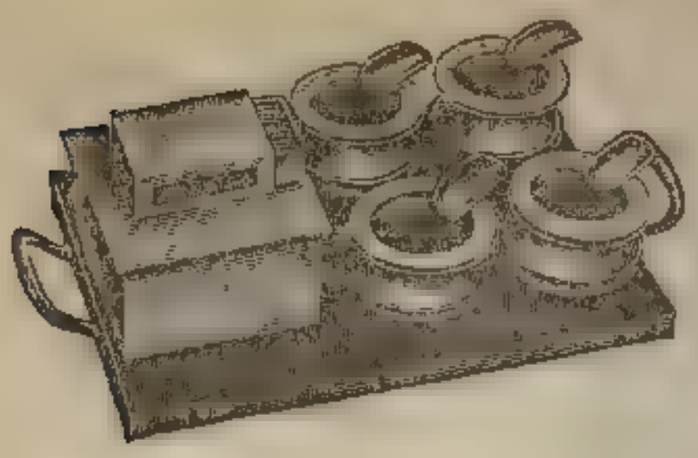
Each

No. 1442½—For Electric Only; Weight Each, 20 lbs. **$18.50**

One in a Box

METAL ASH TRAYS AND STANDS

Base Made of Brass, Heavily Nickel Plated. Glass Inserts Enameled and Baked.

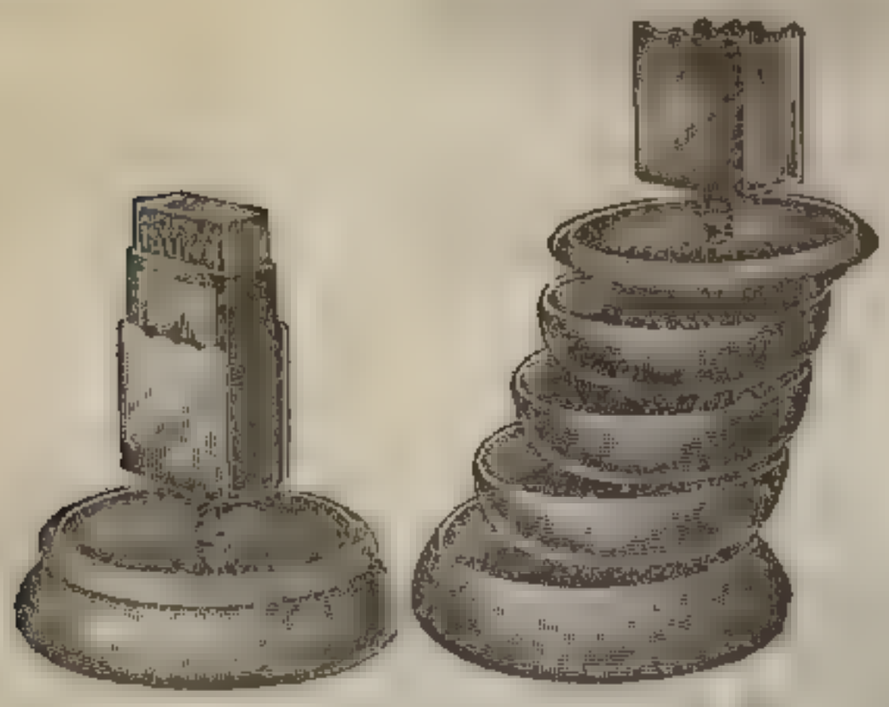


CIGARETTE SET

Three Ply Mahogany Veneer Base; Ash Tray and Cigarette Case Heavily Nickel Plated.

Each

No. 30SS—Size, 11¼ x6x3 inches; Weight Each, 3 lbs.....**$15.00**
One in a Box

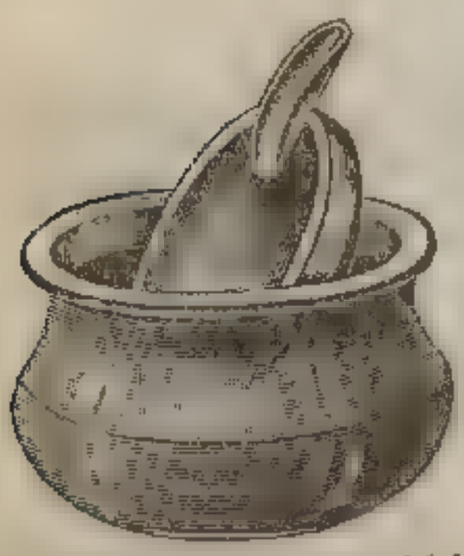


NEST OF ASH TRAYS

Made of Brass with a Very Fine Finish of Bronze; Trays Nest One Into the Other Making a Very Compact Ash Tray.

Per Dozen

No. 35AT—Diameter, 4 inches; Height Closed, 3¾ inches; Weight per Dozen, 10 lbs **$44.00**
Twelfth Dozen in a Box



DUMP ASH TRAY

Circular Ash Tray that Has a Dump Tray Which Can be Removed; Assorted Color Tops; One Cigar Rest.

Per Dozen

No. 37AT—Diameter, 3¾ inches; Height, 2 inches; Weight per Dozen, 10 lbs.....**$34.00**
Twelfth Dozen in a Box

Circular Ash Tray, with One Cigar Rest; Diameter, 4¼ inches; Assorted Colors, Yellow, Red, Green and Blue.

Per Dozen

No. 12AT—Weight per Dozen, 6 lbs.**$22.00**
Half Dozen in a Box

Circular Base, Diameter 4 ½ inches; Assorted Colors, Fitted with One Cigar Rest.

Per Dozen

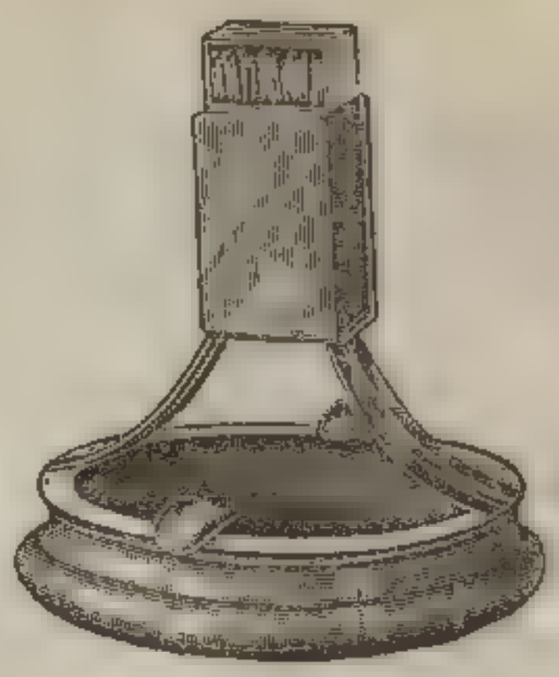
No. 11AT—Weight per Dozen, 9 lbs.....**$22.00**
Twelfth Dozen in a Box

ASH TRAYS

Circular Base, Ash Trays, Assorted Colors of Red, Green, Blue and Yellow; Consists of Two Cigar Rests, and Match Box Holder; Diameter, 4¼ inches; Height, 4¼ inches.

Per Dozen

No. 16AT—Weight per Dozen, 18 lbs.....**$44.00**
Twelfth Dozen in a Box



Circular Base, Ash Tray, Assorted Colors of Red, Blue, Green and Yellow; Consists of Two Cigar Rests and Match Box Holder; Diameter, 4½ inches; Height, 4½ inches.

Per Dozen

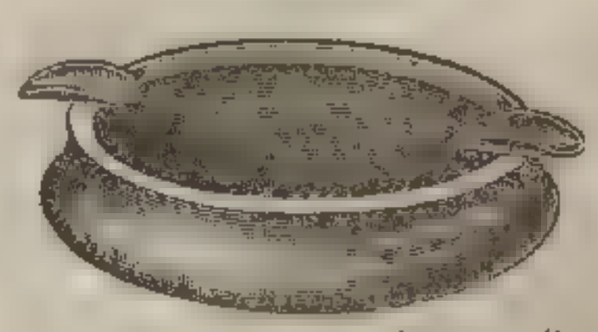
No. 14AT—Weight per Dozen, 12 lbs.....**$33.00**

No. 18AT—Diameter, 6 inches; Height, 7 inches; Weight per Dozen, 1¼ lbs.....**$60.00**
Twelfth Dozen in a Box

Circular Base, Ash Tray, Assorted Colors of Red, Blue, Green and Yellow; Consists of Two Cigar Rests and Match Box Holder; Diameter, 3¼ inches; Height, 3¼ inches.

Per Dozen

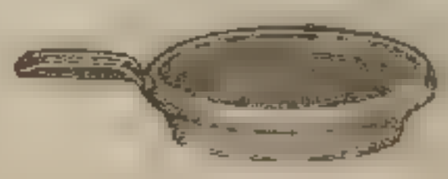
No. 13AT—Weight per Dozen, 12 lbs.....**$27.00**
Twelfth Dozen in a Box



Circular Ash Tray, with Two Cigar Rests; Diameter 5 inches; Assorted Colors; Yellow, Green, Blue and Red.

Per Dozen

No. 15AT—Weight per Dozen, 6 lbs.....**$28.00**
Twelfth Dozen in a Box



Circular Ash Tray with One Cigar Rest; Assorted Colors; Blue, Green, Red and Yellow.

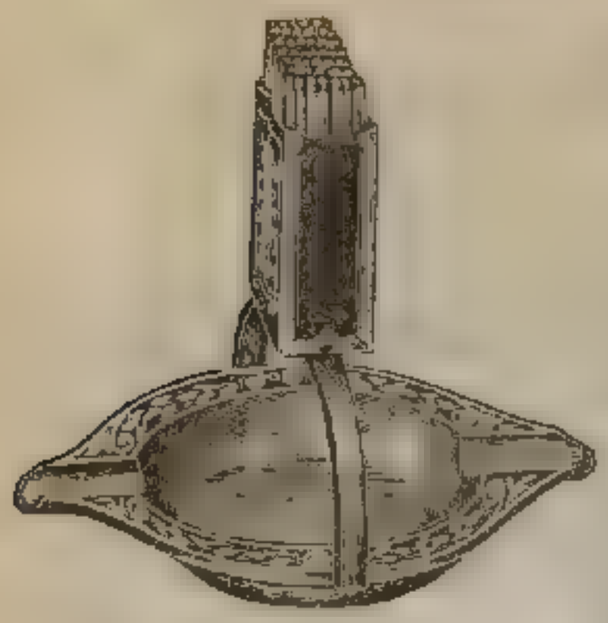
Per Dozen

No. 34AT—Diameter, 3½ inches; Weight per Dozen, 8 lbs.....**$15.00**

No. 10AT—Same as 34AT; Only Diameter, 2¾ inches; Weight per Dozen, 6 lbs.....**$11.00**
One Dozen in a Box

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE.

ASH TRAYS



Consisting of a Set of 4 Deep Metal Ash Trays in Nest Etched Effect Design; Nested; Two Cigar Rests in Each Tray, Raised Handle Mounted with Match Holder to Match; 5¾x5 inches High; Silver Black Finish and Well Lacquered.

Each

No. 636—Weight Each, 1½ lb..... **$5 50**

One in a Box

Removable Glass Ash Receiver, Three Cigar Rests and Match Box Holder, Brass Base, Grecian Gold Finish, 7 inches in Diameter; 4½ inches High.

Each

No. 32—Weight Each, ¾ lb..... **$4 00**

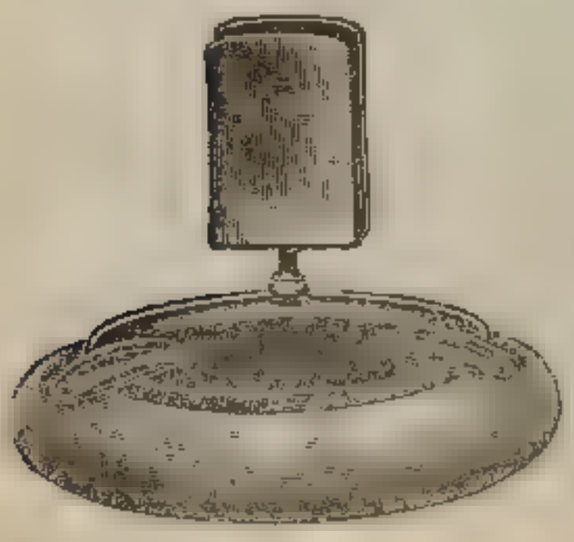
One in a Box

Bowl Shaped Metal Ash Receiver, Mounted with Metal Match Holder; Top so Arranged that Ashes May be Tipped into Bowl; Can be Easily Taken Apart to Clean; Extreme Measurements, 4½x5 inches High, Heavily Nickel Plated, Highly Polished; Packed in a Neat Box.

Each

No. 359—Weight Each, ¼ lb..... **$4 00**

One in a Box



Consisting of Bowl Shaped Metal Ash Receiver; Gun Metal Finish and Well Lacquered; Mounted with Two Cigar Rests, and Match Holder in Polish Copper Finish; Extreme Measurements, 5½x4 inches High.

Each

No. 114—Weight Each ¼ lb..... **$3 30**

One in a Box

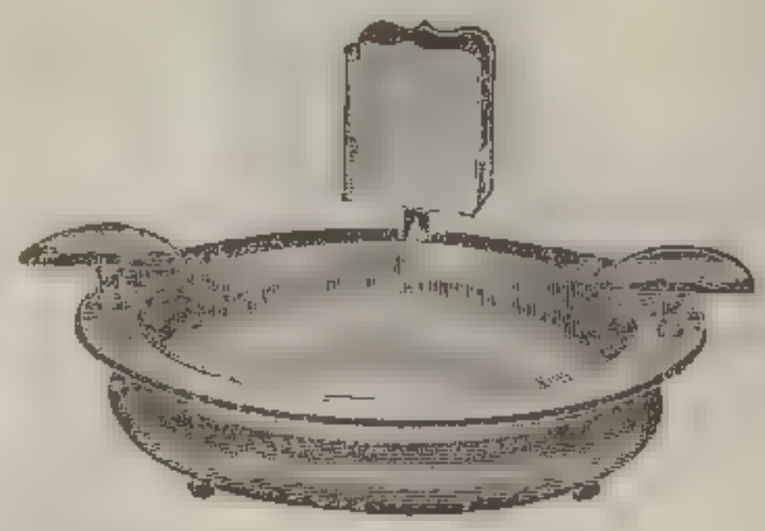
ASH TRAYS

Consisting of Metal Bowl Shaped Ash Receiver in Polished Copper Finish, Mounted with Cigar Rest and Match Box Holder in Highly Polished Nickel; Extreme Measurements, 4x5 inches High; Packed in a Neat Box.

Each

No. 398—Weight Each ¼ lb..... **$3.70**

One in a Box

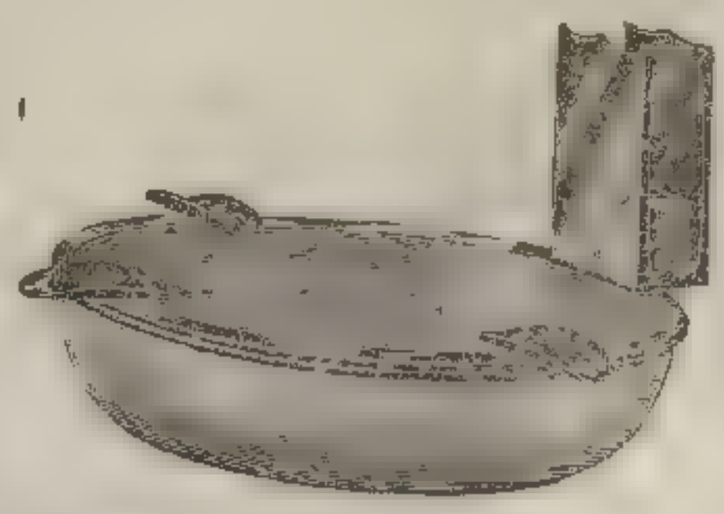


Removable Glass Ash Receiver; Two Cigar Rests, and Match Box Holder; Gun Metal Tray with Polished Brass Trimmings; 7 inches in Diameter; 4½ inches High.

Each

No. 22FG—Weight Each, ½ lb..... **$3.70**

One in a Box



Consisting of Bowl Shaped Coral Colored Glass Ash Receiver, Mounted with Neat Metal Rim; 3 Cigar Rests and Match Holder; Extreme Measurements, 7¾x4 inches High; Metal Parts Heavily Nickel Plated and Highly Polished; Packed in Neat Box.

Each

No. 506—Weight Each, ¼ lb..... **$3.50**

One in a Box

Deep Bowl Shaped Metal Ash Tray in Polished Copper Finish; Top so Arranged that Ashes May be Tipped into Bowl; Very Practical and Novel; Can be Easily Taken Apart to Clean; Extreme Measurements, 4½x2½ inches; Top Heavily Nickel Plated; Packed in a Neat Box.

Each

No. 325—Weight Each, ¼ lbs..... **$3 50**

One in a Box

SILVER PLATED FLAT WARE

Wm Rogers & Son

INTERNATIONAL SILVER CO

Silverplate
"The Best at the Price"

Wm. Rogers & Son

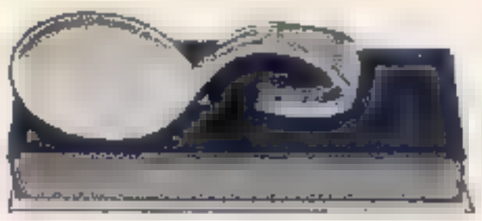
Master				RATES PREPAID SUBJECT TO REGULAR TRADE DISCOUNT	PRICES TO CONSUMERS NET AND GOVERNMENT TAX
		SPOONS			
4602	Tea		12 in a box	$3 80 per doz	$4 50 per doz
4603	Dessert		12 in a box	7 50 per doz	6 [illegible] per doz
4606	Table		12 in a box	7 60 per doz	7 00 per doz
4604	Ice Tea or Iced Drink		6 in a lined box	7 50 per doz	8 50 per doz
4604	Soup		12 [illegible] box	6 00 per doz	7 00 per doz
		FORKS			
4607	Dinner or Medium Flat Handle		12 in a box	7 60 per doz	7 00 per doz.
4608	Individual Salad or Pastry		6 in a lined box	10 00 per doz	9 50 per doz
		KNIVES			
4615	Dinner or Medium Embossed Handle		6 in a lined box	1 20 per doz	7 50 per doz.
4611	Dinner or Medium Hollow Handle Plated Blades)		6 in a lined box	12 50 per doz	8 00 per doz
4604	Dinner or Medium Hollow Handle, Stainless Blades)		6 in a lined box	25 20 per doz	20 [illegible] per doz

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE

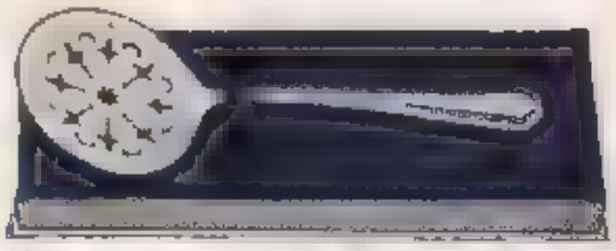
SILVER PLATED FLAT WARE

Wm. Rogers & Son

INTERNATIONAL SILVER CO.



BABY SPOON (Bent Handle)

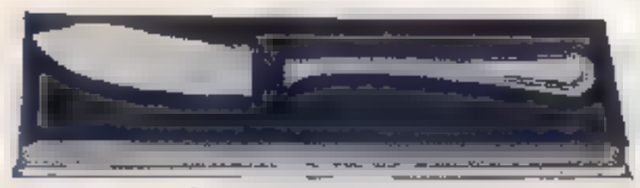


PIERCED SERVER FOR TOMATOES, ETC.

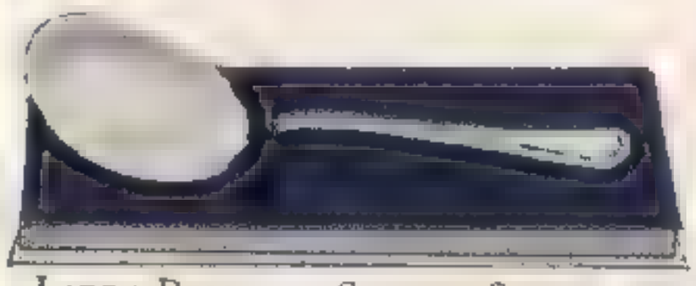
COLD MEAT OR SERVING FORK

PICKLE OR OLIVE FORK

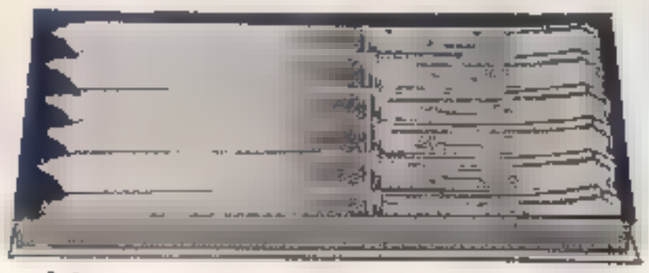
SALAD DRESSING OR CREAM LADLE
SERVING OR GRAVY LADLE



BUTTER KNIFE

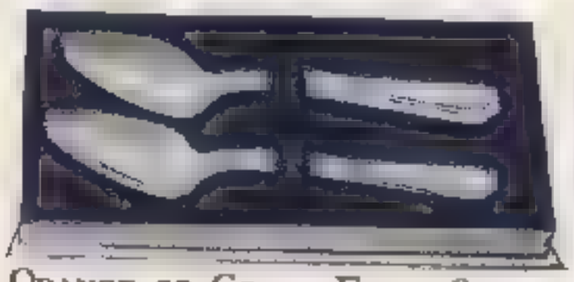


LARGE BERRY OR SERVING SPOON



MEDIUM KNIVES (Hollow Handle)

SUGAR SPOON



ORANGE OR GRAPE FRUIT SPOON

CHEST (26 Piece)

Mayfair	SERVICE PIECES		DEALERS PRICES SUBJECT TO REGULAR TRADE DISCOUNT	PRICES TO CONSUMERS INCLUDING GOVERNMENT TAX
4619	Baby Spoon (Bent Handle)	1 in a lined box	$7 90 per doz	$7 20 per doz
4667	Cold Meat or Serving Fork	1 in a lined box	15 80 per doz	15 00 per doz
4715	Salad Dressing or Cream Ladle	1 in a lined box	14 20 per doz.	12 00 per doz.
4717	Serving or Gravy Ladle	1 in a lined box	19 10 per doz	18 00 per doz
4624	Large Berry or Serving Spoon	1 in a lined box	25 30 per doz	24 00 per doz
4650	Sugar Spoon	1 in a lined box	8 80 per doz	9 60 per doz
4690	Pierced Server for Tomatoes	1 in a lined box	25 30 per doz.	24.00 per doz
4682	Pickle or Olive Forks	1 in a lined box	14 10 per doz	13 20 per doz
4695	Butter Knife	1 in a lined box	9 20 per doz	9 60 per doz.
4611	Orange or Grape Fruit Spoon	1 in a lined box	6 40 per doz	6 00 per doz
4737	Child's set, Spoon, Fork and Butter Knife	Set in a lined box	25 30 per doz	24 00 per doz
4804	Embossed Knife and Flat Forks	Set in a lined box	8 40 set	7 25 set
4697	Embossed Knife and Flat Forks, Stainless Blades	Set in a lined box	4 80 set	12 00 set
	26 PIECE CHESTS			
4010	Mahogany Finish Chest with Solid Handle Dinner Knives		18 00 set	17 25 set
41002	Grain Leatherette Chest with Solid Handle Dinner Knives		17 80 set	15 00 set
4707	Blue Leatherette Chest with Compartment Drawer, Solid Handle Knives		17 80 set	15 00 set
4685	Blue Leatherette Case with Solid Handle Knives		16 80 set	15 00 set

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE

DOLLS
AMERICAN
HORSMAN DOLLS

With Genuine American Crying Voice

Cotton Stuffed Body; Composition Hands; Movable Hips and Shoulders; Painted Eyes and Hair; Two Color Lace Trimmed Dress with Bonnet to Match; White Undergarments; Sock and Slippers

Per Dozen

No. 815—Height, 12½ inches; Weight per Dozen, 15 lbs **$43.20**

Twelfth Dozen in a Box

With Genuine American Crying Voice

Stuffed Body; Composition Hands; Movable Hips and Shoulders; Painted Eyes and Hair; Lace Trimmed White Baby Dress and Bonnet; Lace Trimmed Undergarments; Knitted Bootees.

Per Dozen

No. 812—Height, 12 inches; Weight per Dozen, 12 lbs. **$39.60**

Twelfth Dozen in a Box

With Genuine American Crying Voice

Stuffed Body; Composition Forearm; Movable Arms and Legs; Painted Eyes and Hair; White Lawn Baby Dress with Bonnet to Match; Lace Trimmed Undergarments; Socks and Slippers.

Per Dozen

No. 813—Height 12 inches; Weight per Dozen, 15 lbs **$39.60**

Twelfth Dozen in a Box

With Genuine American Crying Voice

Stuffed Body; Composition Hands; Movable Hips and Shoulders; White Lace Trimmed Baby Dress with Bonnet; Painted Eyes and Hair; Lace Trimmed Undergarments; Socks and Slippers.

Per Dozen

No. 814—Height, 11 inches; Weight per Dozen, 12 lbs. **$33.00**

Twelfth Dozen in a Box

DOLLS
AMERICAN
HORSMAN DOLLS

Stuffed Body; Movable Hips and Shoulders; Composition Hands; Painted Eyes and Hair with Fancy Ribbon Bow; Linen Dress Lace Trimmed; White Undergarments; Socks and Slippers.

Per Dozen

No. 808—Height, 16½ Inches, Weight per Dozen, 18 lbs. **$33 60**

Twelfth Dozen in a Box

Stuffed Body Composition Hands; Movable Hips and Shoulders; Painted Eyes and Hair, with Ribbon Bow; Plain Colored Lawn Dress with Lace Trimmings; Lace Trimmed Undergarments; Socks and Slippers.

Per Dozen

No. 807—Height, 13 inches; Weight per Dozen, 14 lbs **$39.60**

Twelfth Dozen in a Box

Stuffed Body; Composition Hands; Movable Hips and Shoulders; Painted Eyes and Hair with Ribbon Bow; Organdie Lace Trimmed Dress with White Waist; Plain White Undergarments; Socks and Slippers.

Per Dozen

No. 806—Height, 14 inches; Weight per Dozen, 12 lbs. **$28.80**

Twelfth Dozen in a Box

Stuffed Body; Composition Hands; Movable Hips and Shoulders; Painted Eyes and Hair with Ribbon Bow; Fancy Organdie Lace Trimmed Dress; Plain White Undergarments; Socks and Slippers.

Per Dozen

No. 805—Height 14 inches; Weight per Dozen 12 lbs **$28.80**

Twelfth Dozen in a Box

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE

DOLLS

AMERICAN

HORSMAN MAMA DOLL

With Genuine Lloyd Voices

Sleeping Eyes

Cotton Stuffed Body; Composition Arms and Legs; Movable Hips and Shoulders; Sleeping Eyes; Glued Wig with Long Curls; Fancy Silk Romper Dress with White Silk Waist; Two Color Bonnet to Match; White Undergarments, Socks and Slippers

Per Dozen

No. 827—Height, 19½ inches, Weight per Dozen, 39 lbs... **$198 00**

Twelfth Dozen in a Box

Sleeping Eyes

Cotton Stuffed Body; Movable Hips and Shoulders; Composition Forearms and Hands; Sleeping Eyes; Glued Wig with Curls; Fancy Trimmed Baby Dress with Fancy Bonnet to Match; White Undergarments; Socks and Slippers

Per Dozen

No. 824—Height, 21 inches; Weight per Dozen, 48 lbs. **$180 00**

Twelfth Dozen in a Box

Sleeping Eyes

Cotton Stuffed Body; Composition Arms and Legs; Movable Hips and Shoulders; Sleeping Eyes; Glued Wig with Curls; Fancy Crepe Dress and Bloomers, with Trimmed Bonnet to Match; White Undergarments; Socks and Slippers

Per Dozen

No. 826—Height, 19 inches; Weight per Dozen, 36 lbs **$168.00**

Twelfth Dozen in a Box

Cotton Stuffed Body; Movable Hips and Shoulders; Composition Legs and Arms; Sleeping Eyes; Glued Wig with Curls; Fancy Printed Romper Dress with White Waist and Bonnet to Match; White Undergarments; Socks and Slippers

Per Dozen

No. 825—Height, 19½ inches; Weight per Dozen, 36 lbs..... **$150 00**

Twelfth Dozen in a Box

DOLLS

AMERICAN

HORSMAN MAMA DOLLS

With Genuine Lloyd Voices

Sleeping Eyes

Cotton Stuffed Body; Composition Arms and Legs; Movable Hips and Shoulders; Glued Wig with Curls; Sleeping Eyes, White Lace Trimmed Lawn Baby Dress with Fancy Trimmed Bonnet to Match; Plain White Undergarments; Socks and Slippers.

Per Dozen

No. 823—Height, 20 inches; Weight per Dozen, 36, lbs..... ....**$150 00**

Twelfth Dozen in a Box

Sleeping Eyes

Cotton Stuffed Body; Composition Hands; Movable Hips and Shoulders; Glued Wig with Curls; Sleeping Eyes; White Lace Trimmed Lawn Dress with Fancy Bonnet to Match; White Lace Trimmed Undergarments; Socks and Slippers.

Per Dozen

No. 822—Height, 17 inches; Weight per Dozen, 34 lbs.....**$114 00**

Twelfth Dozen in a Box

Sleeping Eyes

Cotton Stuffed Body; Composition Hands; Movable Hips and Shoulders; Glued Wig with Curls; Sleeping Eyes; Fancy Printed Lawn Dress with Bonnet, White Undergarments, Socks and Slippers

Per Dozen

No. 819—Height 18 inches; Weight per Dozen, 36 lbs.....**$102.00**

Twelfth Dozen in a Box

Cotton Stuffed Body; Composition Hands; Movable Hips and Shoulders; Painted Eyes and Hair; Romper Dress with Pockets; Shoes and Stockings.

Per Dozen

No. 818—Height 19 inches; Weight per Dozen 36 lbs.....**$84.00**

Twelfth Dozen in a Box

DOLLS

AMERICAN

HORSMAN MAMA DOLLS
With Genuine Lloyd Voices

Cotton Stuffed Body; Composition Forearms; Movable Hips and Shoulders; Painted Eyes and Hair; White Lace Trimmed Lawn Dress with Fancy Trimmed Bonnet to Match; White Undergarments; Socks and Slippers; Genuine Lloyd Voice.

Per Dozen

No. 821 — Height, 19 inches; Weight per Dozen, 36 lbs. **$96.00**
Twelfth Dozen in a Box

Cotton Stuffed Body; Composition Forearms; Movable Hips and Shoulders; Painted Eyes and Hair; White Lawn Lace Trimmed Dress with Bonnet to Match; White Undergarments; Socks and Slippers; Genuine Lloyd Voice.

Per Dozen

No. 820—Height, 18 inches; Weight per Dozen, 36 lbs. **$84.00**
Twelfth Dozen in a Box

Cotton Stuffed Bodies; Composition Hands; Movable Hips and Shoulders; Painted Eyes and Hair; Nicely Trimmed Romper Dress with Bonnet to Match, White Trimmed Undergarments; Socks and Slippers; With Genuine Lloyd Voice.

Per Dozen

No. 817 — Height, 17 inches; Weight per Dozen, 24 lbs. **$72 00**
Twelfth Dozen in a Box

DOLLS

AMERICAN

HORSMAN DOLLS

Cotton Stuffed Bodies; Composition Hands Movable Hips and Shoulders; Painted Eyes and Hair; White Lace Trimmed Baby Dress, with Bonnet to Match; White Trimmed Undergarments; Socks and Slippers.

Per Dozen

No. 816—Height, 14½ inches; Weight per Dozen, 21 lbs **$60 00**
Twelfth Dozen in a Box

Stuffed Body; Composition Hands; Movable Hips and Shoulders; Painted Eyes and Hair; White Organdie Lace Trimmed Dress with Red Riding Hood Jacket; Lace Trimmed Bonnet; Lace Trimmed Undergarments; Socks and Slippers.

Per Dozen

No. 811—Height, 16 inches; Weight per Dozen, 15 lbs. **$54.00**
Twelfth Dozen in a Box

Stuffed Body; Composition Hands; Movable Hips and Shoulders; Painted Eyes; Glued Wig with Ribbon Bow; Fancy Organdie Lace Trimmed Dress, with White Waist; Lace Trimmed Undergarments; Socks and Slippers.

Per Dozen

No. 810—Height, 16 inches; Weight per Dozen, 12 lbs. **$48.00**
Twelfth Dozen in a Box

Stuffed Body; Composition Hands; Movable Hips and Shoulders; Painted Eyes; Glued Wig with Ribbon Bow; Fancy Printed Lawn Dress, with Lace Trimmed Bib; Knitted Socks and Slippers; White Undergarments.

Per Dozen

No. 809—Height, 16½ inches; Weight per Dozen, 18 lbs. **$48.00**
Twelfth Dozen in a Box

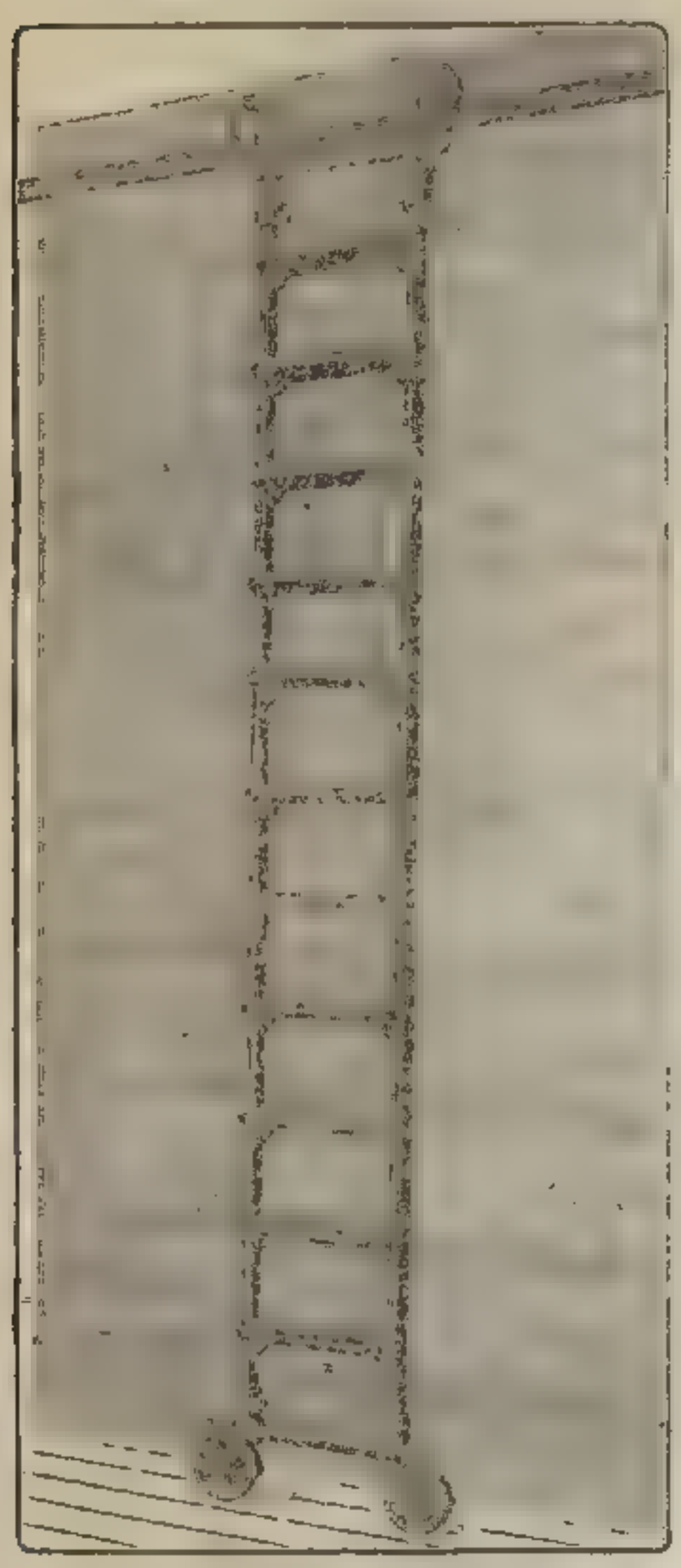
ROLLING STORE LADDERS

WILCOX

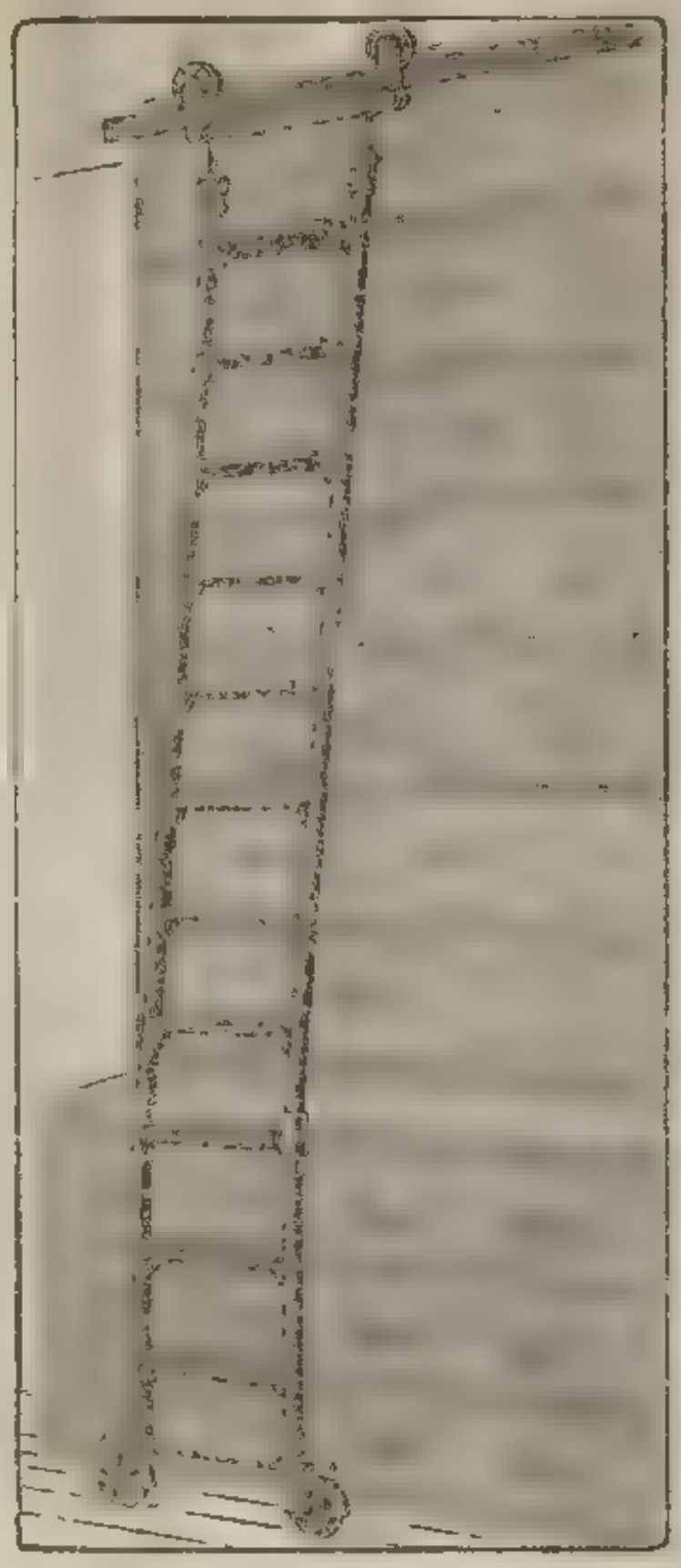
Made to Order Only

Steel Tubing Sides—Wood Steps

Sides are Made of Steel Tubing; Steps are Made of Oak, 14 Inches Long, and are Furnished With Adjustable Fixtures Attached, Which Fit into the Slotted Steel Sides, the Tubing is Furnished in Any Length Up to 15 Feet, and Can be Spliced to Any Length Wanted, Steps May be Spaced Any Distance Apart and Set at Any Angle Desired. Fixtures, Track and Ladder are Interchangeable for Side or Ceiling Attachment; Top Fixture is Adjustable Vertically to Allow for Unevenness in Floor, Easily Operated, Absolutely Noiseless; Use Single Track for Side Ladders, Double Track for Ceiling Ladders.



STRAIGHT—SIDE



BENT SIDE

STRAIGHT—CEILING

	Each
✣No. S529—Straight Steel, With Oak Steps, Complete With Fixtures	$32 40

	Each
✣ No. B529—Bent Steel, With Oak Steps, Complete With Fixtures	$38 00

	Each
✣ No. 529—Steel, With Oak Steps, Complete With Fixtures	$36 00

Average Shipping Weight Complete, 60 lbs.
One in a Crate

	Per Foot
✣ No. 529WT—Single Wood Track, for Side Ladders; Weight per foot, ½ lb	$0.55
✣ No. 529CT—Double Wood Track, for Ceiling Ladders; Weight per foot, 1 lb	.55

To Order Straight Ladders

Give Distance from Floor to Point Where Track is Secured.

To Order Bent Ladders

Give Distance from Floor to Top of Ledge, Distance Ledge Projects Beyond where Track is Secured, and Distance from Top of Ledge to Point Where Track is Secured.

To Order Ceiling Ladders

Give Distance from Floor to Ceiling

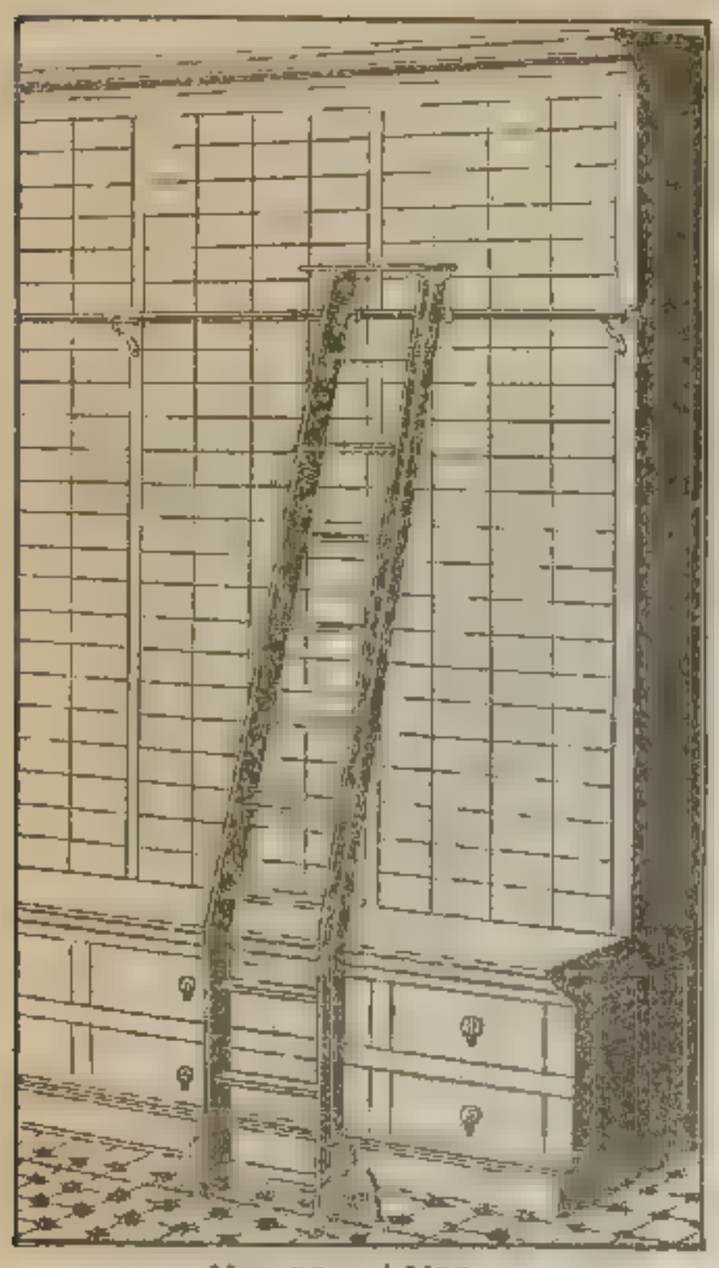
Items Marked ✣ Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory, Aurora, Ill.

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE

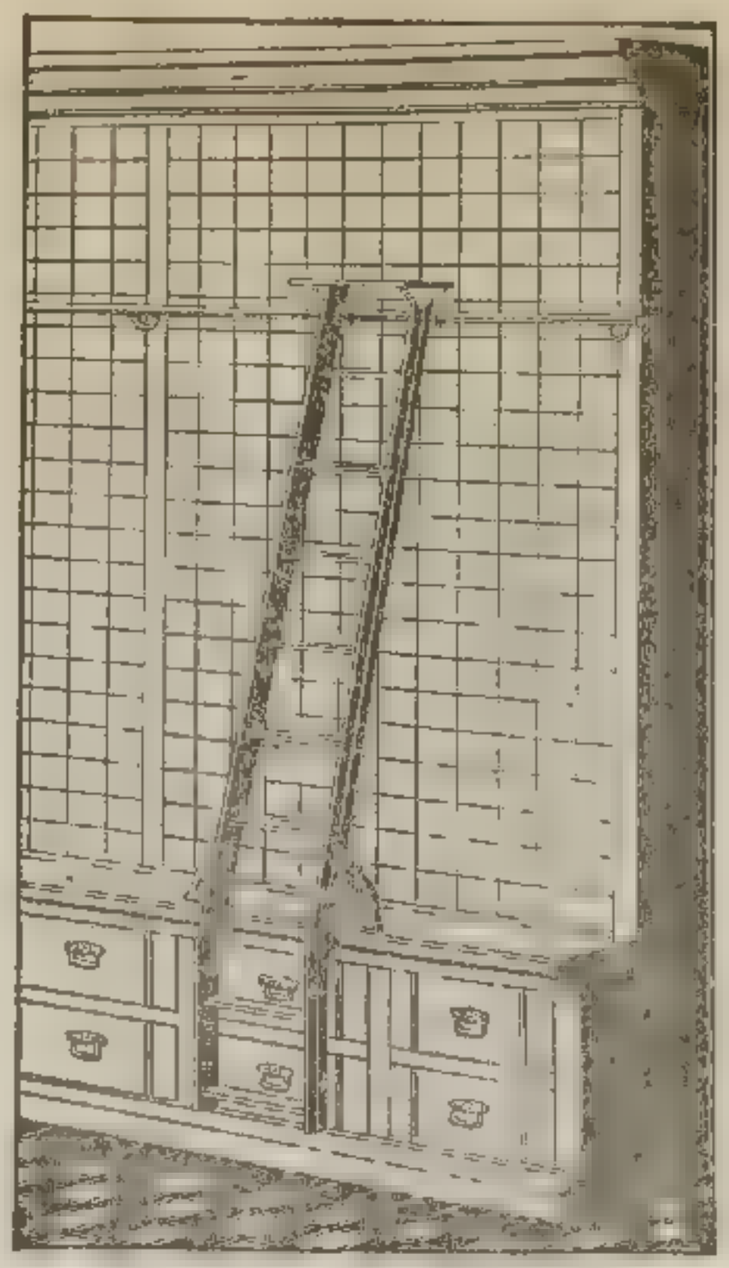
ROLLING STORE LADDERS

BICYCLE

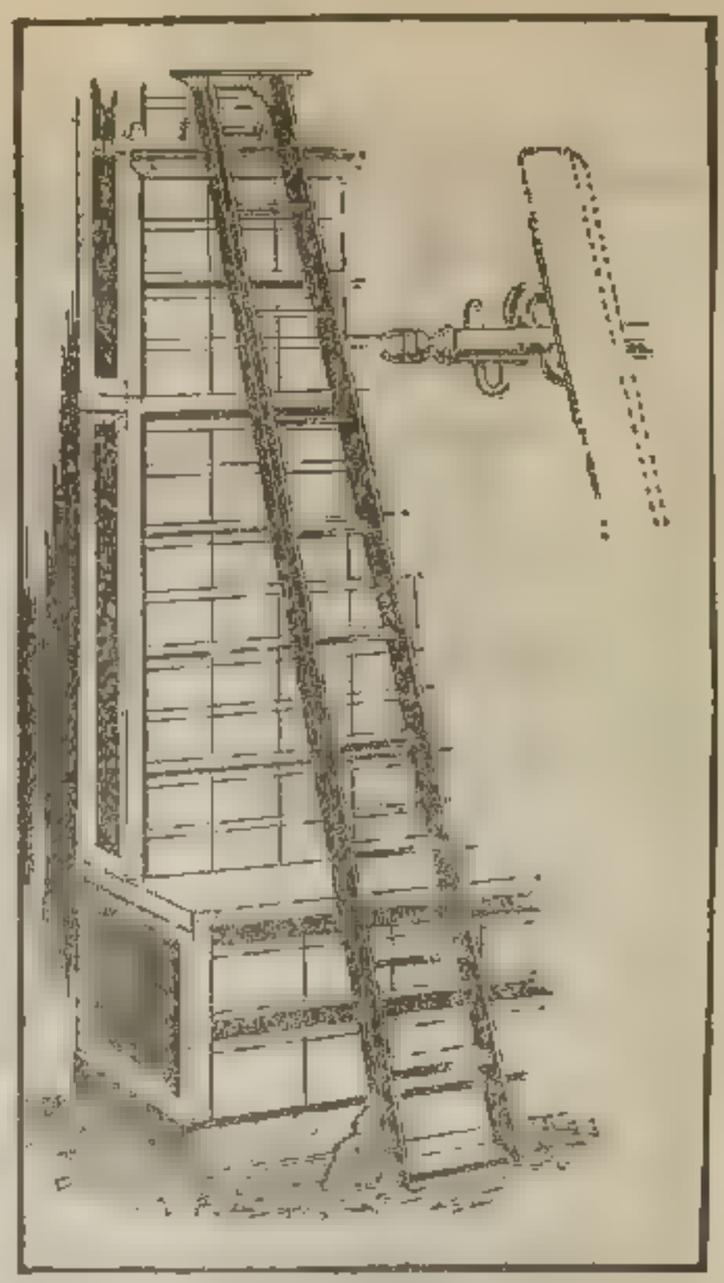
Made to Order Only



Nos. 65 and N65.
BENT FLOOR LADDERS



Nos. 75 and N75.
BENT BASE LADDERS



Nos. 85 and N85.
STRAIGHT FLOOR LADDERS

Made of Selected Oak, Natural Finish, Varnished

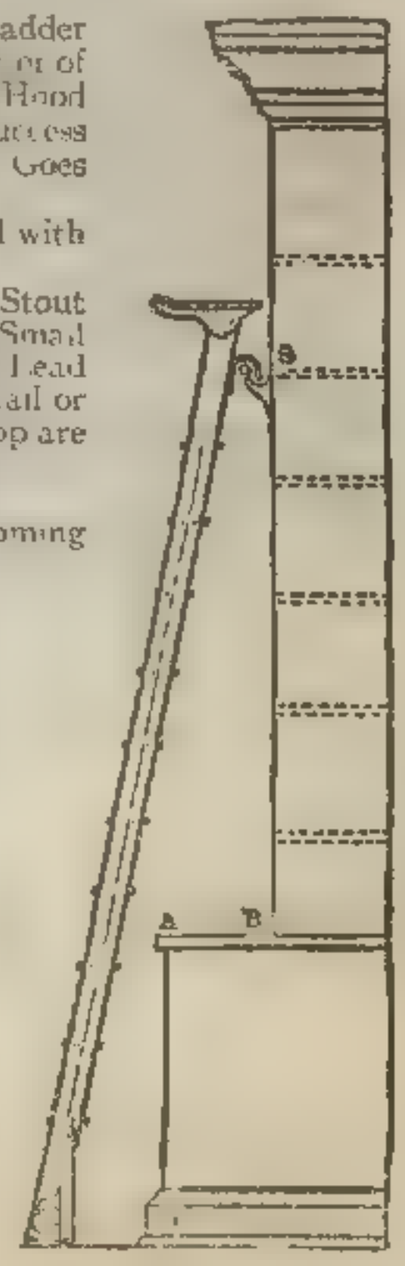
In These Styles the Track is at the Bottom, Either on the Base Shelf or on the Floor, So That the Entire Weight of the Ladder and Operator is Supported from Below on a Solid Foundation, and Not Suspended by Rods or Wires Attached to the Upper Part of the Shelving. The Ladder Has a Stout Turned Pole to Guide the Upper End of the Ladder in Moving, a Stout Hood to Cover Rivets to Prevent the Ladder from Hooking Backwards, But Not a Pound of Weight Rests on This Pole. The Great Success of the Bicycle Ladder Is in That **User Stands Directly Over the Wheels** and There is **No Side Friction** at All, and the Ladder Goes as Easily as Any Other Bicycle.

The Ladders All Have an Extra Wide Shelf at the Top for Convenience in Handling Stock, and the Wheels are Provided with Fenders to Prevent Them from Running Over Any Object, However Small, That May Have Been Left in Their Way.

The Track for Bicycle Ladders is a Double Track. At the Upper Part of the Shelving a Neat Turned Pole is Attached by Stout Malleable Iron Brackets, Serving to Guide the Top of the Ladder, and at the Bottom on the Base Shelf or the Floor, is Fastened a Small Half-Round Rail on Which the Wheels Run, Carrying the Bottom of the Ladder. The Bottom Rail is Little Larger Than Half of a Lead Pencil and the Upper Guide is a Little More Than One Inch in Diameter. The Lower Track May be Either "Noiseless" Brass Rail or Smooth Steel Rail, Nos. 5 to 9, Inclusive, Either in Bronze or Polished Nickel Plating. The Brackets Holding the Pole at Top are Either Nickel Plated or Japan Finished.

The Track for the Floor is So Small (but Three-Sixteenths of an inch in Height) That it Can Cause No Inconvenience.

Both the Floor Track and the Base Shelf Bicycle Ladders Have a Simple Device Which Entirely Prevents Them from Coming Off the Track Unless They Are Lifted Off.



LADDERS ONLY

	Each
✣No. 65—Bent Floor Style; Japanned Mountings	$38 00
✣No. N65—Bent Floor Style; Nickel Plated Mountings	42 00
✣No. 75—Bent Base Style; Japanned Mountings	38 00
✣No. N75—Bent Base Style; Nickel Plated Mountings	42 00
✣No. 85—Straight Floor Style; Japanned Mountings	36 00
✣No. N85—Straight Floor Style; Nickel Plated Mountings	40 00

Nos. 85 and N85 Ladder Do Not Require Floor Track.

LADDER TRACK ONLY

	Per Foot
✣No. 5 Steel Lower Track; Bronzed; Complete With Wood Upper Track and Japanned Brackets Adapted to No. 65 Ladders	$0 50
✣No. N5 Steel Lower Track; Nickel Plated Complete With Wood Upper Track and Nickel Plated Brackets, Adapted to No. N 5 Ladders	70
✣No. 7 Noiseless Brass Lower Track; Complete With Wood Upper Track and Japanned Brackets; Adapted to No. 7 Ladders	60
✣No. N7 Noiseless Brass Lower Track, Complete With Wood Upper Track and Nickel Plated Brackets; Adapted to No. N 5 Ladders	.70
✣No. 9 Wood Upper Track Complete With Japanned Brackets; Adapted to No. 85 Ladder	.40
✣No. N9 Wood Upper Track Complete With Nickel Plated Brackets; Adapted to No. N85 Ladders	.50

HOW TO ORDER BICYCLE LADDERS

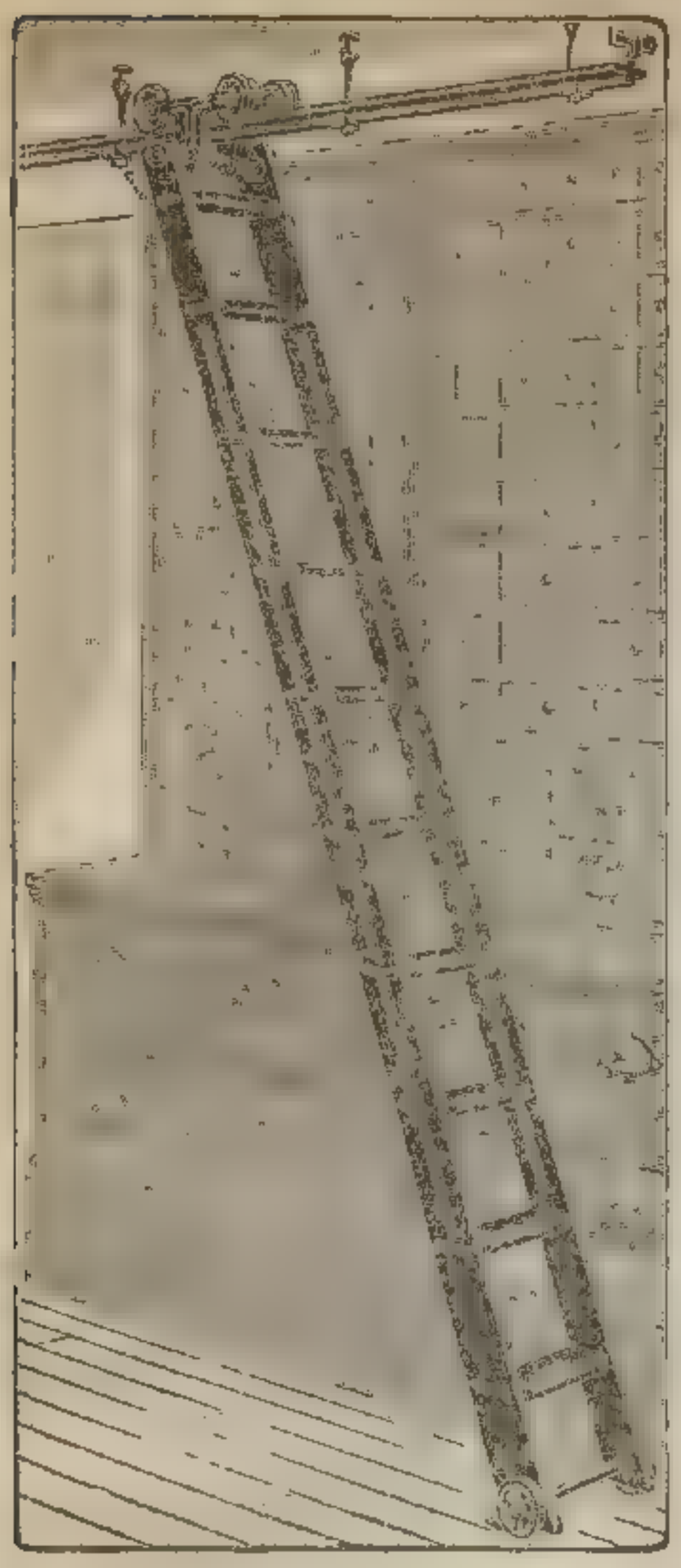
Refer to Cut on Next Page and Count the Following Measurements: Distance A to B; and B to C. State Which Number Ladder is Desired; Width Between Stiles; Height of Shelving; Depth of Shelving; Number of Uprights at the Shelving and Say Whether Solid Uprights, Cleated or Panel; Number of Iron Brackets are Used to Support the Shelving.

One in a Crate

Items Marked ✣ Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory

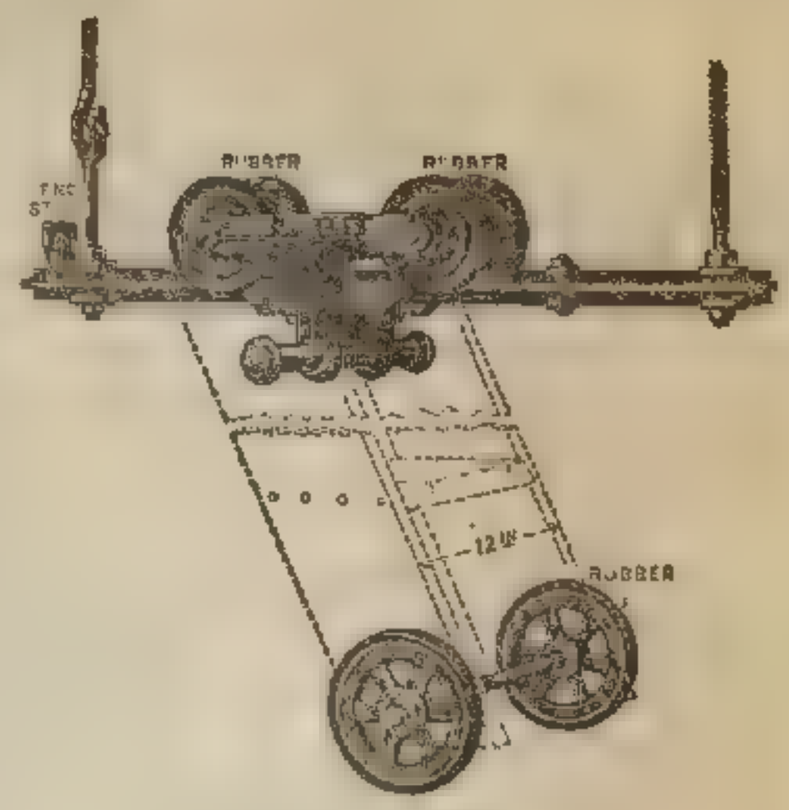
STORE LADDERS

MYERS



TROLLEY OR CEILING

Ladder is Made of Clear Georgia Pine, Filled and Varnished; Open Panel Sides 5 inches Wide; Steps 5 inches Wide; Width of Ladder 12 inches; Each Step is Supported at Each End With a Malleable Iron Dowel Tee, Which Makes an Extra Strong Construction; The Trolley is Self Adjusting; Fitted With 3 inch Anti-Rattler Wheels, Lathe Turned and Bored and Fitted With Cushion Rubber Tires and Turned Steel Bearings. The Track is Double Angle Steel Rail, Suspended from the Ceiling by Lag Screws; Complete With Clamps Brackets and End Stops; Can be Suspended by Jointed or Rigid Hangers, or Screwed Close to the Ceiling With Flanged Plates; Can be Used on an Uneven Ceiling Without Blocking or Bridging.



Enlarged View of Trolley Track and Lower Rollers

The Floor Wheels or Travelers are 5 inches in Diameter, Made With Metal Sides, Fitted With Cushion Rubber Tires, Clamped in Such a Position That They Cannot Become Loose; These Rollers are Placed on a Steel Axle and Run Without Friction or Noise.

	Each
✣No. ML—Myers Ladder Complete With Attachments; Average Shipping Weight Each, 50 lb.	$36.00

	Per Foot
✣No. MT—Myers Steel Trolley Track Complete With Hangers; Weight per foot, 2 lbs.	$0.50

	Each
✣No. ELW—Extra Lower Wheel or Traveler, for Myers Trolley or Ceiling Ladders; Weight Each, 9 ozs.	$2.10

	Per Pair
✣No. ERTL—Extra Rubber Tires, for Lower Wheels or Travelers; Weight per Pair 6 ozs.	$2.00

	Per Set
✣No. ERT—Extra Rubber Tires, for Upper Trolley; (In Sets of Four) Weight per Set, 9 ozs. One in a Crate	$4.00

To Order Myers Ladders—Give Exact Height to Ceiling and Length of Each Track; if Height of Ceiling Varies, Give Height at Each End and Center of Each Run of Track.

Items Marked ✣ Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory, Ashland, Ohio.

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE

SILVER PLATED FLAT WARE

TUDOR PLATE
Oneida Community Made

20-Year Service Replacement Guarantee

Baronet	*Duchess*		DEALERS' PRICES SUBJECT TO DISCOUNTS	THESE ARE THE USUAL RETAIL ASSESSMENT TAX
		SPOONS		
39602	36602	Tea, 12 in box	$3 50 per doz	$1 50 set of six
39603	36603	Dessert, 12 in box	6 68 per doz.	2 75 set of six
39605	36605	Table, 12 in box	7 00 per doz	3 00 set of six
39604	36604	Soup (Round Bowl) 12 in box	7 00 per doz.	3 00 set of six
		FORKS		
39607	36607	Dinner or Medium (Flat Handle) 12 in box	7.00 per doz	3 00 set of six
39606	36606	Dessert (Flat Handle) 12 in box	6 68 per doz.	2 75 set of six
		KNIVES		
39615	36615	Embossed Handle Dinner or Medium 6 in blue lined box	8 80 per doz	3 75 set of six
39616	36616	Embossed Handle Dessert 6 in blue lined box	8 00 per doz	3 65 set of six
39611	36611	Hollow Handle Dinner or Medium (Plated Blades) 6 in blue lined box	20 80 per doz	8 25 set of six
39664	36664	Hollow Handle Dinner or Medium (Stainless Blades) 6 in blue lined box	23 76 per doz.	9 25 set of six
†39612	†36612	Hollow Handle Dessert 6 in blue lined box	20 40 per doz	8 00 set of six
†39698	†36698	Embossed Handle Steak 6 in blue lined box	14 00 per doz	5 00 set of six
		CORRECT SERVICE PIECES (Illustrated on next page)		
39610	36610	Sugar Spoon 1 in blue lined gift box	10 08 per doz	70 each
39609	36609	Butter Knife 1 in blue lined gift box	10 08 per doz	70 each
†39729	†36729	Butter and Sugar Set Set in blue lined gift box	20 16 per doz sets	1 40 set

Tudor Plate is to the Lower Price Market what Community Plate is to the Higher.

All prices subject to change without notice

Items Marked † Not Carried in Stock, Can Only be Furnished by Shipping Direct from Factory

SILVER PLATED FLAT WARE

Part of Pattern	Complete or	A Part	Part Part	Piece	COMMUNITY PLATE *At Your Service for 50 Years*	DEALERS' PRICES SUBJECT TO REGULAR TRADE DISCOUNT	PRICES TO CONSUMERS INCLUDING GOVERNMENT TAX
					36-PIECE CHESTS		
150	150	150	150	† 150	Sea Grain Leatherette DeLuxe Flat—Empty	$8 40 each	$5 25 each
11983	11983	10983	6983	† 9983	With Hollow Handle Dinner Knives and Flat Dinner Forks	47 40 each	30 00 each
11984	11984	10984	6984	† 9984	With Modeled Handled Dinner Knives and Flat Dinner Forks	42 00 each	29 00 each
130	130	130	130	† 130	Heavy Mahogany DeLuxe Flat—Empty	12 20 each	8 00 each
11994	11994	10994	6994	† 9994	With Hollow Handle Dinner Knives and Flat Dinner Forks	51 20 each	40 00 each
11995	11994	10995	6995	† 9995	With Modeled Handled Dinner Knives and Flat Dinner Fork	46 70 each	37 00 each
148	148	148	148	† 148	Genuine Mahogany with Drawer—Empty	11 00 each	7 25 each
11848	11848	10848	6348	† 9848	With Hollow Handle Dinner Knives and Flat Dinner Forks	50 00 each	39 00 each
11947	11947	10947	6347	† 9947	With Modeled Handle Dinner Knives and Flat Dinner Forks	45 50 each	35 00 each
50	50	50	50	† 50	Heavy Mahogany to Hold 36-piece, 45-piece, 48-piece, or 50-piece Contents—Empty	12 20 each	8 00 each
†122536	†11253[illegible]	†102536	†62536	†92536	With 36-Piece Contents Hollow Handle Dinner Knives	67 20 each	53 00 each
†122537	†11253[illegible]	†102537	†62537	†92537	With 36-Piece Contents Modeled Handle Dinner Knives	62 70 each	51 50 each
					ADD-A-PIECE CABINETS		
12345	12345	102345	62345	†92345	36-55-piece with 45-piece Contents—with Hollow Handle Knives	95 00 each	75 00 each
†12472	12472	102472	62472	†92472	55-90-piece with 72-piece Contents—with Hollow Handle Knives	130 00 each	125 00 each
†122140	†12[illegible]140	†102140	†62140	†92140	100-200-piece with 140-piece Contents—with Hollow Handle Knives	250 00 each	245 00 each
†122255	†12[illegible]255	†102255	†62255	†92255	200-300-piece with 255-piece Contents—with Hollow Handle Knives	420 00 each	400 00 each

NOTE—If Stainless Blade Knives are desired in any chest or buffet set add the difference in cost between Plated and Stainless Blade Knives as listed on Page 1745

Items Marked † Not Carried in Stock, Can Only be Furnished by Shipping Direct from Factory

SILVER PLATED FLAT WARE

TUDOR PLATE
Oneida Community Made

BOUILLON OR CONSOMME SPOONS

ICED TEA OR ICED DRINK SPOONS

INDIVIDUAL BUTTER SPREADERS

PIERCED SERVER FOR TOMATOES, ETC.

ORANGE OR GRAPE FRUIT SPOONS

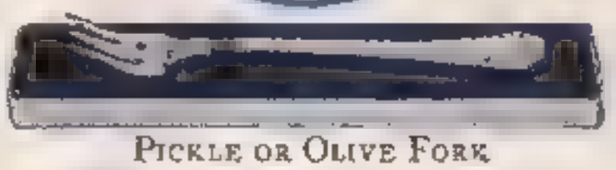
INDIVIDUAL SALAD FORKS

BABY SPOON (Bent Handle)

COLD MEAT OR SERVING FORK
SMALL COLD MEAT OR SARDINE FORK

SALAD DRESSING OR CREAM LADLE
SERVING OR GRAVY LADLE

LARGE BERRY OR SERVING SPOON
SMALL BERRY OR PRESERVE SPOON

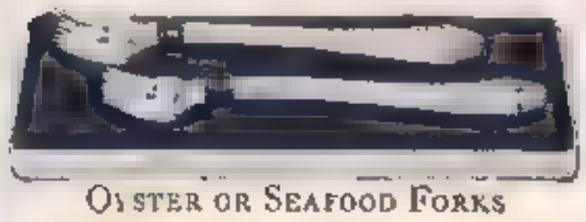


PICKLE OR OLIVE FORK

SUGAR SPOON

BUTTER KNIFE

SHERBET OR 5 O CLOCK TEA SPOONS
AFTER DINNER COFFEE SPOONS



OYSTER OR SEAFOOD FORKS

Baronet	Duchess	CORRECT SERVICE PIECES IN BLUE LINED GIFT BOXES WITH NEW GLASSINE ANTI-TARNISH "SEALED IN SHEET" PACK ABSOLUTE PROTECTION AGAINST DUST AND MOISTURE		DEALERS' PRICES SUBJECT TO REGULAR TRADE DISCOUNT	PRICES TO CONSUMERS INCLUDING GOVERNMENT TAX
39625	36625	Coffee Spoons	6 in Blue Lined Gift Box	$3 90 per dozen	$1 75 set of six
39600	36671	5 o'Clock Tea or Sherbet Spoons	6 in Blue Lined Gift Box	3 96 per dozen	1 75 set of six
†39623	†36623	Bouillon or Consomme Spoons	6 in Blue Lined Gift Box	7 68 per dozen	3 00 set of six
39629	36629	Iced Tea or Iced Drink Spoons	6 in Blue Lined Gift Box	7 00 per dozen	3 00 set of six
†39627	†36627	Ice Cream or Sundae Spoons	6 in Blue Lined Gift Box	6 54 per dozen	2 75 set of six
39624	36641	Orange or Grapefruit Spoons	6 in Blue Lined Gift Box	6 54 per dozen	2 75 set of six
39600	36670	Baby Spoon (Bent Handle)	1 in Blue Lined Gift Box	1 68 per dozen	60 each
39670	36670	Berry or Serving Spoon	1 in Blue Lined Gift Box	24 24 per dozen	1 00 each
†39683	†36683	Jam or Conserve Spoon	1 in Blue Lined Gift Box	8 16 per dozen	90 each
39688	36688	Individual Salad or Pastry Fork	6 in Blue Lined Gift Box	10 08 per dozen	4 75 set of six
39679	36679	Oyster or Seafood Forks	6 in Blue Lined Gift Box	6 68 per dozen	2 75 set of six
39687	36687	Cold Meat or Serving Fork	1 in Blue Lined Gift Box	17 76 per dozen	1 25 each
†39685	36685	Small Cold Meat Fork	1 in Blue Lined Gift Box	12 00 per dozen	85 each
39682	36682	Pickle or Olive Fork	1 in Blue Lined Gift Box	13 08 per dozen	1 00 each
39697	36697	Individual Butter Spreaders	6 in Blue Lined Gift Box	8 92 per dozen	3 75 set of six
39715	36715	Salad Dressing or Cream Ladle	1 in Blue Lined Gift Box	13 92 per dozen	1 00 each
39717	36717	Serving or Gravy Ladle	1 in Blue Lined Gift Box	21 36 per dozen	1 50 each
†39721	†36721	Medium Soup or Serving Ladle	1 in Blue Lined Gift Box	40 72 per dozen	3 50 each
39670	36670	Pierced Server for Tomatoes, Croquettes, etc	1 in Blue Lined Gift Box	24 24 per dozen	1 75 each
39728	36736	2-Piece Steak or Game Carver, Hollow Handle	Set in Blue Lined Gift Box	8 86 set	7 00 set
39737	36737	Child's Set (Spoon, Fork and Flat Knife)	Set in Blue Lined Gift Box	24 24 dozen sets	1 75 set

Items Marked † Not Carried in Stock" Can Only be Furnished by Shipping Direct from Factory

TRADE MARK REGISTERED IN THE U S PAT OFFICE

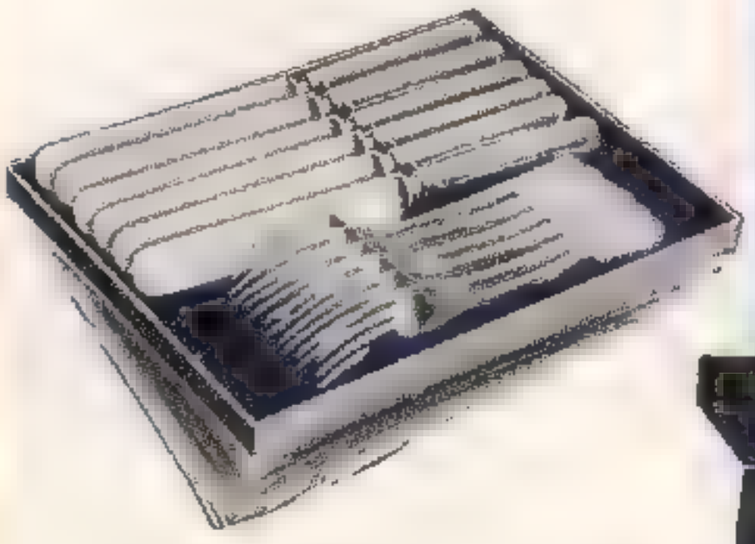
SILVER PLATED FLAT WARE

TUDOR PLATE
Oneida Community Made

Knife and Fork Sets

Just the thing you've been looking for

Increase your sales by displaying this set



Tudor Knife and Fork Set

In a beautiful blue lined box.

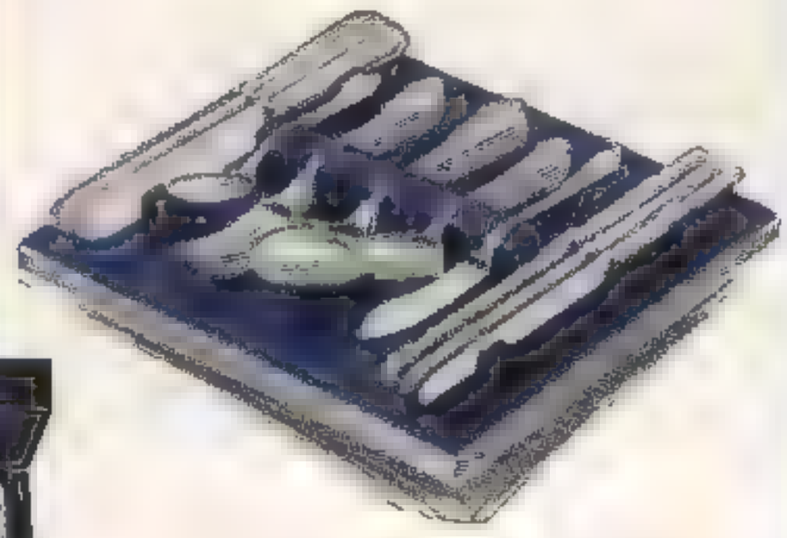
Gives you a real opportunity to display set advantageously and sell it as a Gift Piece.

First time the KNIFE and FORK SET has ever been offered in gift boxes

Buffet Sets

The big thing to feature in TUDOR.

The Case is FREE with 26 Pieces.



26-Piece Tudor Buffet

BLUE LINED—Attractive display of Silverware.

A REAL APPEAL TO THE WOMAN—Not merely a container but a distinct ornament on her sideboard.

CONVENIENT—Slips easily into sideboard drawers; brings silver to table all at one time—SAVES STEPS.

Baronet	Duchess	26-PIECE MAHOGANY FINISH CHEST WITH DRAWER ILLUSTRATED	DEALERS PRICES SUBJECT TO REGULAR TRADE DISCOUNT	PRICES TO CONSUMERS INCLUDING GOVERNMENT TAX
		KNIFE & FORK SETS 6 KNIVES AND 6 FORKS IN BLUE LINED BOX		
39803	36803	Embossed Handle Dinner Knives and Flat Dinner Forks	$ 7 90 per set	$ 6 75 per set
†38804	†36804	Embossed Handle Dessert Knives and Flat Dessert Forks	7 64 per set	6 40 per set
39742	30742	Hollow Handle Dinner Knives and Flat Dinner Forks	13 90 per set	11 25 per set
39508	36508	Hollow Handle Dinner Knives (Stainless) and Flat Dinner Forks	15 38 per set	12 25 per set
†39743	†36743	Hollow Handle Dessert Knives and Flat Dessert Forks	5 51 per set	4 0 75 per set
		BUFFET SETS (26 PIECES)		
30585	36585	With Embossed Handle Dinner Knives and Flat Dinner Forks	14 84 each	12 75 each
†30581	†36581	With Embossed Handle Dessert Knives and Flat Dessert Forks	14 42 each	12 50 each
30583	36583	With Hollow Handle Dinner Knives and Flat Dinner Forks	20 84 each	17 25 each
30579	36579	With Hollow Handle Dinner Knives (Stainless) and Flat Dinner Forks	22 32 each	18 25 each
†30487	†36487	With Hollow Handle Dessert Knives and Flat Dessert Forks	20 32 each	16 75 each
		26-PIECE CHESTS		
4758	4758	Grain Leatherette Flat, Empty	2 50 each	1 75 each
391080	36 [illegible]2	with Embossed Handle Dinner Knives and Flat Dinner Forks	17 34 each	14 50 each
†394 8	†36478	with Embossed Handle Dessert Knives and Flat Dessert Forks	16 94 each	14 00 each
391000	36 [illegible]00	with Hollow Handle Dinner Knives and Flat Dinner Forks	23 34 each	18 75 each
4 [illegible]8	46 [illegible]8	Oak Finish with Drawer Empty	2 50 each	1 75 each
3 [illegible]80	3 [illegible]80	with Embossed Handle Dinner Knives and Flat Dinner Forks	17 34 each	14 50 each
†2 [illegible]8	†3 [illegible]8	with Embossed Handle Dessert Knives and Flat Dessert Forks	16 94 each	14 00 each
3 [illegible]9	3 [illegible]9	with Hollow Handle Dinner Knives and Flat Dinner Forks	24 [illegible]4 each	18 [illegible] each
4 [illegible]8	4 [illegible]8	Mahogany Finish with Drawer, Empty	2 50 each	1 75 each
39 [illegible]0	3 [illegible]0	with Embossed Handle Dinner Knives and Flat Dinner Forks	17 [illegible]4 each	14 50 each
†3 [illegible]4	†3 [illegible]4	with Embossed Handle Dessert Knives and Flat Dessert Forks	16 94 each	14 50 each
3 [illegible]5	3 [illegible]5	with Hollow Handle Dinner Knives and Flat Dinner Forks	23 34 each	18 75 each

Items Marked † Not Carried in Stock. Can Only be Furnished by Shipping Direct from Factory.

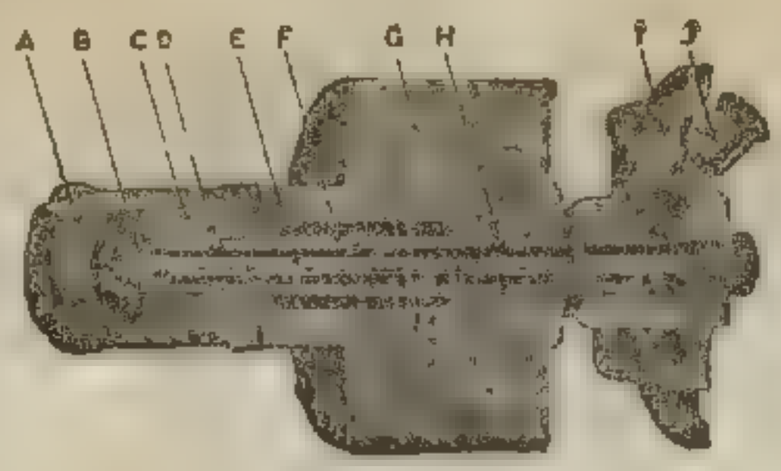
TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE

FAN MOTORS

EMERSON

Emerson 1923 Model Desk Fans and Oscillators are packed one in a Box and are supplied by the Factory complete with Ten Foot Parallel Cord and Rotating Edison Plug, attached to Motor, with Direction Sheet, ¼ pint Can of Oil and Five Year Guarantee Coupon attached to Motor.

The Illustration Herewith is a Photograph of an actual Cross Section of the Emerson Induction Armature, Fan Hub and Shaft. This Bearing is Entirely Different in principle from the Bearings of Ordinary Types of Desk Fans. Instead of a Rotating Shaft of Soft Steel, to which the Armature is Pinned, the Shaft of the Emerson Fan is a Hollow Steel Spindle (F) Pressed Firmly into the Rear Housing of the Motor (I). The Armature (G) Rotates upon this Shaft and is Entirely Separate from the Shaft. A Stud (E) passes through this Shaft and Holds a Retaining Screw with Washers (B) at the Front end to keep the Armature in position.



The Armature Hub (C) is threaded at the Front End to Receive the Fan Hub (A) which is Screwed on Firmly Against a Leather Washer which makes an Oil-Tight Joint Between the Solid Fan Hub and the Armature Hub. Thus, the Front end of this Bearing is Sealed Oil-tight, Eliminating any Possibility of Oil Reaching the Fan Blades to be Scattered Over Furnishings or Decorations.

The Simple and Wonderfully Effective arrangement for Lubricating this Bearing has been Largely Responsible for its Success During the Fifteen Years it has been in Use. Oil is Inserted through the Oil-Cup (J) and Runs into the Center of the Hollow Shaft, through the Slotted Holes (D-H) in the Shaft, Directly to the Bearing Surfaces of the Armature, where it is needed.

The Combination of Wearing Surfaces in this Bearing has been proven by Experience to be Highly Satisfactory for a Bearing of this Character. The Hollow Shaft or Spindle is of Case Hardened Steel, while the Armature Hub Running on this Spindle is of Soft Cast Iron. It Seems that no Better Combination of Wearing Surfaces can be Procured.

The Soft Porous Iron Absorbs the Oil, and in a Short Time the action of the Hardened Steel Surface of the Shaft Develops a Glaze on the Iron which is an Ideal Bearing Surface. Tests made on Fans which have seen many years of Continuous Service show this Bearing to be in even Better Condition than when the Fans left the Factory.

It will be noted that the Armature Hub Midway Between the Bearing Surfaces is Recessed, Leaving a space between the Shaft and the Cast Iron Hub. This Recess is Filled with Lubricating Grease when the Fan Motor is Shipped, Insuring Perfect Lubrication for Some considerable Time Even should the User Fail in the Ordinary Precaution of Supplying Oil to the Bearing.

One of the Secrets of the Success of this Bearing is the fact that it is Sealed at the Front End and Practically Sealed, so far as the Entrance of Dirt is Concerned, at the Rear End. Oil Remains on the Bearing Surfaces Until its Lubricating Qualities are Exhausted, and Dirt, Sand and Dust Floating in the Air Cannot Enter the Bearing to Cut and Grind it.

All Types and Sizes of Emerson Alternating Current Desk and Oscillating Fans are Equipped with the Hardened Steel Oil-Tight, Dust-Proof Bearing Described Above.

All Sizes of Emerson Desk and Oscillating Fans for Both Alternating and Direct Currents are Equipped with Fan Blades of a Patented Design Selected after Exhaustive Experiments with Blades of Different Characteristics. The Original Parker Design used on Emerson 12 inch Fans has been Successfully Modified to Meet the Requirements of 8 inch Fans and 16 inch Fans, but Retains the Essential Features which have Made this Design so Valuable.

The Parker Blade is a Rigid Sheet of Brass with a Curved Cutting Edge. The Rear Edge is so Shaped as to Minimize the Vibration which Results in the Hum of Ordinary Desk Fan Blades.

The Smallest Emerson Fan May be Converted to the Bracket Position without Extra Parts

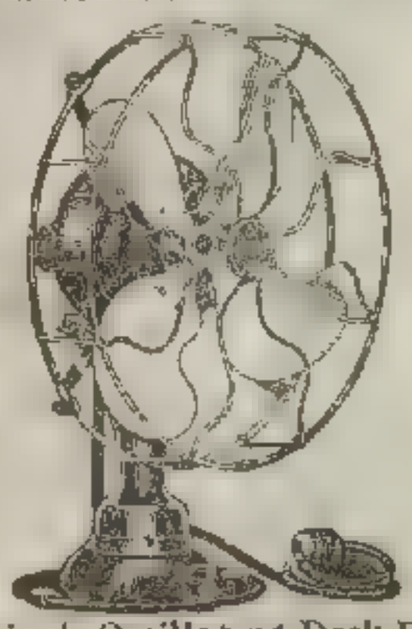
Where Necessary this Blade is Made unusually wide near the Hub to Project Air from the Center as well as from the Outer Circumference of the Fan. The Pitch or Dip of Parker Fan Blades is Considerably Greater than Found in a majority of Competitive Makes, Enabling these Fans to Project Air to a Great Distance without Objectionable Noise

All Emerson Fans for Alternating Current are Fan Motors of the Induction-Type. This is the Simplest Known Form of Motor and, in the Design Employed for Emerson Fan Motors, has Neither Brushes nor Commutator, nor Moving Contacts of any Kind.

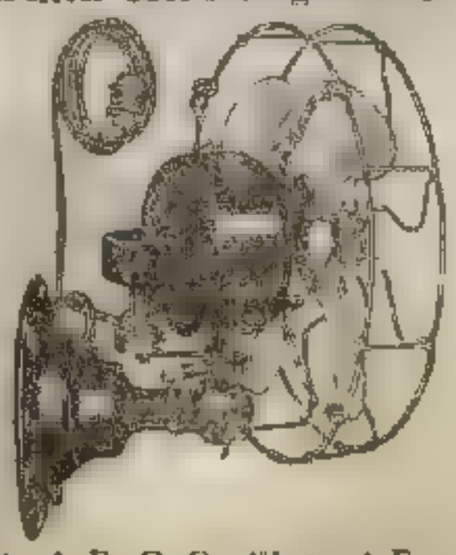
Emerson 1923 Models Oscillators have valuable Improvements in the Mechanism, by which the Range of Oscillation may be varied from 15° to 90°, of the stationary position secured by adjusting a Single Thumb Lever below the Gear Case. The Mechanism has been greatly Simplified and all loose parts eliminated.

A new feature is the Adjusting Collar beneath the Motor, by which the direction in which the breeze is thrown may be instantly changed to put the breeze where it is wanted without re-adjusting the Base. This feature is particularly valuable where the Motor is installed as a Bracket Fan with Base fastened to the Wall. The Adjusting Handle in the Collar points in the direction in which the breeze will be thrown.

These Oscillators are Equipped with a Hinged Base Permitting the Blades to be Tilted Up or Deflected as may be Desirable. By Withdrawing the Thumb Screw at the Hinge, this base may be Adjusted to the Angular Position, and the Base Fastened Directly to the Wall. The Hinged Joint is so Designed that the Motor would not be Damaged by Falling Forward, Even Should the Thumb Screw be Fastened Insecurely. When Used as a Bracket Fan the Blades May be Tilted Up or Deflected as well as when Used as a Desk Fan, Permitting the Oscillators to be Placed Well Above the Occupants of a Room and Tilted Down to Distribute the Breeze over Many Persons, without Annoyance to those Nearest to the Fan.



12 inch Oscillating Desk Fan



12 inch D. C. Oscillating Fan in Bracket Position
(Blades may be Deflected to Throw Breeze Down when Mounted on Wall)

Owing to the Wide Diffusion of Air Secured with Oscillating Fans, the Blades of Emerson Oscillators are Adjusted to Throw a Stronger Breeze than Thrown by Non-Oscillating Fans of Corresponding Styles. As a Result, Emerson Oscillating Fans Consume a slightly Larger Amount of Current than Corresponding Sizes of Emerson Swivel-Trunnion Fans, but for any Extra Current Required by the Motor the User Receives Full Value in Increased Volume of Air Delivered.

All Emerson Oscillating Fans are Three-Speed Positive-Acting Geared Types, not Dependent on air Reactions for their Swinging Movement. As a Result these Fans Oscillate Steadily in any Position as Desk or Bracket Fans.

Emerson Oscillators have all the Other Valuable Features of Emerson Swivel-Trunnion Fans, Described on Previous Pages. They are Induction Fans without Brushes, Commutator or moving contacts of any kind Motors of this kind, Equipped with the Oil-Tight, Dust-proof Bearing of the Emerson Fan, are sure to give long Service.

These Fans Should not be Confused with Oscillators Depending on Moving Vanes and Uncertain Air Reactions for their Swinging Movement.

ELECTRIC FANS

EMERSON

NON - OSCILLATING — SWIVEL TRUNNION — DESK OR BRACKET — THREE SPEED

For Alternating and Direct Currents

Specifications

Parker (Patented); Brass; Four Blades; Heavy Steel Guards; Black Enameled.

Motor and Base Finished in Black Enamel.

Three Speed Induction Motors, no Brushes or Moving Contacts.

Dust Proof Bearings; Convertible Desk Bracket Base; Complete with Cord and Separable Plug.

This Nine inch Fan Will be Found to be Very Popular on Account of its Quietness, Light Weight and Low Price; Very Satisfactory for Small Room but Will Not Move Nearly as Much Air as the 12 inch Size.

Diameter, 9 inches; 4 Blades; 110 Volts; 60 Cycles; Approximate Weight Each, Net, 12 lbs.; Weight, Packed, 23 lbs.

No. 28645—For Alternating Current

Lots of	1 to 9	10 to 24	25 to 99	100 to 199	200 or More
Each	$18.80	18 80	18 80	18 80	18 80
	28.60	**27.10**	**26.40**	**25.70**	**25.05**

No. 26045—For Direct Current

Lots of	1 to 9	10 to 24	25 to 99	100 to 199	200 or More
Each	$17 60	17.60	17 60	17 60	17.60
	28.75	**25.35**	**24.70**	**24 10**	**23.45**

EMERSON

NON-OSCILLATING

This 12 inch 4 Blade Style Has Always Been the Most Popular for General Service in Stores, Offices, and Wherever a Strong Breeze is Wanted. The Consumption of Current is Low in Proportion to the Strength of Breeze.

Diameter 12 inches, 4 Blades; 110 Volts; 60 Cycles, Approximate Weight Each, Net, 20 lbs.; Weight, Packed, 37 lbs.

No. 28646 Alternating Current

Lots of	1 to 9	10 to 24	25 to 99	100 to 199	200 or More
Each	$24.40	24 40	24.40	24 40	24.40
	37.10	**35.15**	**34.25**	**33.40**	**32.50**

No. 26046 For Direct Current

Lots of	1 to 9	10 to 24	25 to 99	100 to 199	200 or More
Each	$23.80	23.80	23.80	23.80	23.80
	36.20	**34.30**	**33 40**	**32 55**	**31.70**

No. 326046—Direct Current; 32 Volts

Lots of	1 to 9	10 to 24	25 to 99	100 to 199	200 or More
Each	$23.80	23.80	23 80	23.80	23.80
	36.20	**34.30**	**33.40**	**32.55**	**31.70**

No. 226046—For Direct Current; 220 Volts

Lots of	1 to 9	10 to 24	25 to 99	100 to 199	200 or More
Each	$26 40	26 40	26 40	26.40	26.40
	40 15	**38.00**	**37.10**	**36.10**	**35.20**

ELECTRIC FANS

EMERSON

NON - OSCILLATING — SWIVEL TRUNNION — DESK OR BRACKET — THREE SPEED

For Alternating and Direct Currents

Specifications

Emerson 16 inch Fans are Equipped With Very Powerful Motors, and are Intended for Service in the Largest Rooms, Stores, Etc., Where a Strong Breeze is to be Projected to a Great Distance. Fans of the 16 inch Size Should not be Selected for Residences, Banks or for Service in Any Place Where the Noise of a Powerful Fan Will Prove Objectionable.

Although the Most Powerful Motors Supplied for Desk Fan Purposes, These Motors are Capable of Operating Continuously.

Diameter, 16 inches; 4 Blades; Approximate Weight Each, Net, 21 lbs.; Weight Packed, 40 lbs.

No. 28648—For Alternating Current; 110 Volts; 60 Cycles

Lots of	1 to 9	10 to 24	25 to 99	100 to 199	200 or More
Each	$28.60	28.60	28.60	28.60	28.60
	43.50	**41.20**	**40.15**	**39.15**	**38.10**

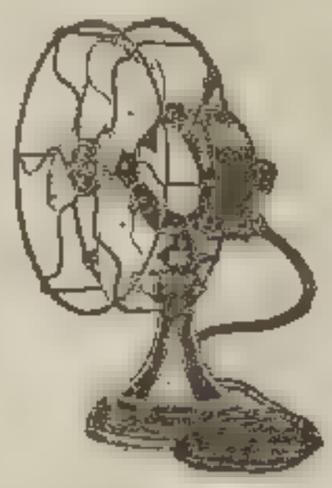
No. 26048—For Direct Current; 110 Volts

Lots of	1 to 9	10 to 24	25 to 99	100 to 199	200 or More
Each	$28.20	28.20	28.20	28.20	28.20
	42.90	**40.60**	**39.60**	**38.60**	**37.60**

EMERSON

OSCILLATING — DESK OR BRACKET — THREE SPEED

For Alternating and Direct Currents



Specifications

Single Lever Adjustable Oscillating Mechanism.

Parker (Patented); Brass; Four Blades; Heavy Steel Guards; Black Enameled.

Motor and Base Finished in Black Enamel.

Three Speed Induction Motors, No Brushes or Moving Contacts.

Dust Proof Bearings; Convertible Desk Bracket Base; Complete with 10 foot Cord and Separable Plug.

This New 9 inch Size Provides a Light and Portable Oscillating Fan for Home Use at a Price Within the Reach of Practically Every User of Current.

Made of the Highest Quality Material.

Diameter, 9 inches; 4 Blades; 110 Volts; 60 Cycles; Approximate Weight Each, Net, 13 lbs.; Weight, Packed, 24 lbs.

No. 29645—Alternating Current

Lots of	1 to 9	10 to 24	25 to 99	100 to 199	200 or More
Each	$24.00	24 00	24.00	24.00	24 00
	36.50	**34.55**	**33.70**	**32.85**	**32.00**

No. 27045—Direct Current

Lots of	1 to 9	10 to 24	25 to 99	100 to 199	200 or More
Each	$23 60	23 60	23 60	23 60	23 60
	35.30	**34.00**	**33.15**	**32.30**	**31.45**

One Fan in a Wood Box

Note—110 Volt Fans Listed Operate on Voltages 104 to 115

Note—10 Foot Cord and Plug Included in Price

ELECTRIC FANS

EMERSON

OSCILLATING — DESK OR BRACKET — THREE SPEED

For Alternating and Direct Currents

Specifications

This 12 Inch Oscillating Fan is the Standard Medium Speed Fan for Office and Store, Throwing a Maximum Breeze for the Size Blades; Will Prove to be a Most Popular Seller.

Diameter 12 inches; 4 Blades; Approximate Weight, Each, Net, 21 lbs.; Weight, Packed, 39 lbs.

No. 29646—Alternating Current 110 Volts; 60 Cycles

Lots of Each	1 to 9	10 to 24	25 to 99	100 to 199	200 or More
	$31 40	31 40	31 40	31.40	31 40
	47.75	**45.20**	**44.10**	**42.95**	**41.55**

No. 27046—Direct Current; 110 Volts

Lots of Each	1 to 9	10 to 24	25 to 99	100 to 199	200 or More
	$31 20	31 20	31 20	31 20	31 20
	47.45	**44.95**	**43 80**	**42 70**	**41.55**

No 229646—Alternating Current; 220 Volts, 60 Cycles

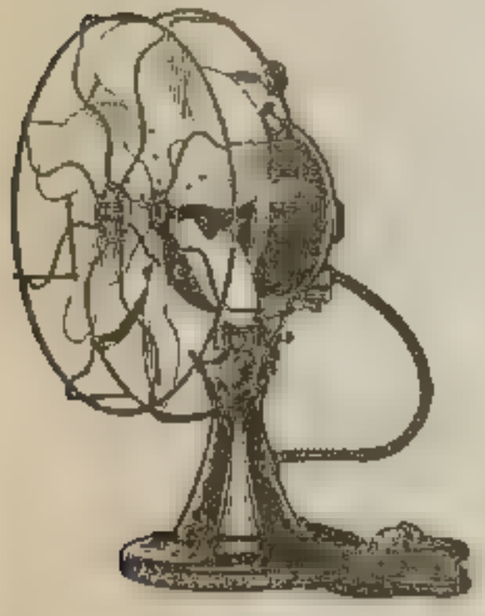
Lots of Each	1 to 9	10 to 24	25 to 99	100 to 199	200 or More
	$33 60	33.60	33.60	33 60	33 60
	51.10	**48 40**	**47 20**	**46.00**	**44 75**

No. 327046—Direct Current; 32 Volts

Lots of Each	1 to 9	10 to 21	25 to 99	100 to 199	200 or More
	$31 20	31 20	31 20	31 20	31 20
	47.45	**44.95**	**43 80**	**42 70**	**41.55**

No. 227046—Direct Current; 220 Volts

Lots of Each	1 to 9	10 to 24	25 to 99	100 to 199	200 or More
	$33 80	33 80	33 80	33 80	33. 80
	51.40	**48.70**	**47.45**	**46.25**	**45.05**



12 Inch Residence Type

This 12 inch, 6-Blade Oscillator is Undoubtedly the Finest Fan for Home Use.

Moves More Air than Any Other 12 inch Fan Made.

Exceptionally Quiet on All Speeds.

Diameter, 12 inches; 6 Blades; Approximate Weight, Each, 28 lbs.; Weight Packed, 45 lbs.

No. 29666—Alternating Current; 110 Volts; 60 Cycles

Lots of Each	1 to 9	10 to 24	25 to 39	100 to 199	200 or More
	$33.60	33 60	33 60	33 60	33 60
	51.00	**48 40**	**47.20**	**46.00**	**44.75**

No. 27266—Alternating Current; 110 Volts; 25 Cycles.

Lots of Each	1 to 9	10 to 24	25 to 99	100 to 199	200 or More
	$32.40	32 40	32.40	32 40	32.40
	49.25	**46.65**	**45.50**	**44.35**	**43.15**

ELECTRIC FANS

EMERSON

OSCILLATING — DESK OR BRACKET — THREE SPEED

For Alternating and Direct Currents

Specifications

This 16 inch, 4-Blade Fan Will be Found Invaluable for Theatre Use, Hotel Lobbies, Buffets, Markets, Large Stores, Etc.

Large Powerful Motor Projects Breeze to a Great Distance. Diameter 16 inches; 4 Blades; Approximate Net Weight, Each, 23 lbs.; Weight, Packed, 45 lbs.

No. 29648—Alternating Current 110 Volts; 60 Cycles

Lots of Each	1 to 9	10 to 24	25 to 99	100 to 199	200 or More
	$36.00	36.00	36.00	36 00	36 00
	54.70	**51.85**	**50.55**	**49.25**	**47.85**

No. 27048—Direct Current 110 Volts

Lots of Each	1 to 9	10 to 24	25 to 99	100 to 199	200 or More
	$34.80	34 80	34 80	34 80	34 80
	52.90	**50 10**	**48 90**	**47.60**	**46 35**

No. 220648—Alternating Current 220 Volts; 60 Cycles

Lots of Each	1 to 9	10 to 24	25 to 99	100 to 199	200 or More
	$38.20	38 20	38 20	38 20	38 20
	58.10	**55 00**	**53..5**	**52 25**	**50.90**

No. 327048—Direct Current; 32 Volts

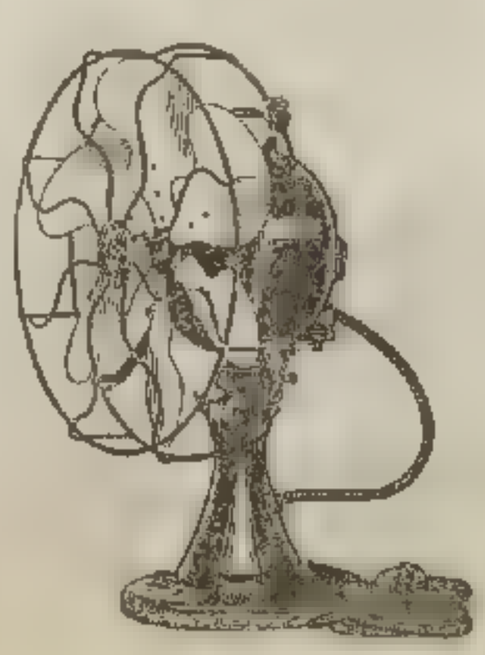
Lots of Each	1 to 9	10 to 24	25 to 99	100 to 199	200 or More
	$34 80	34 80	34.80	34.80	34.80
	52 90	**50 10**	**48.85**	**47.60**	**46 35**

No. 227048—Direct Current; 220 Volts

Lots of Each	1 to 9	10 to 24	25 to 99	100 to 199	200 or More
	$37.40	37 40	37 40	37.40	37 40
	56.85	**53.85**	**52 50**	**51.20**	**49.80**

No. 27248—Alternating Current; 110 Volts; 25 Cycles.

Lots of Each	1 to 9	10 to 24	25 to 99	100 to 199	200 or More
	$37.00	37 00	37.00	37.00	37 00
	56.25	**53.30**	**51.95**	**50.60**	**49 30**



This 16 inch, 6 Blade Fan Will be Found Invaluable for Theatre Use, Hotel Lobbies, Buffets, Markets, Large Stores, Etc.

Large Powerful Motor Projects Breeze to a Great Distance. Diameter, 16 inches; 6 Blades; Approximate Net Weight, Each 31 lbs.; Weight, Packed, 55 lbs.

No. 29668—Alternating Current; 110 Volts; 60 Cycles

Lots of Each	1 to 9	10 to 24	25 to 99	100 to 199	200 or More
	$38.20	38 20	38 20	38 20	38.20
	58.10	**55.00**	**53.65**	**52.25**	**50.90**

One Fan in a Wood Box

Note—110 Volt Fans Listed Operate on Voltages 104 to 115

Note—10 Foot Cord and Plug Included in Price

ELECTRIC FANS

EMERSON

NON-OSCILLATING; Alternating Current

This is a 9 inch 4-Blade Fan, Having Parker Blades of Steel, Mat Brass Finish, the Same as the Finish Applied to the Larger Emerson Fan Blades. This Fan is Adjustable to the Bracket Position for Wall Mounting; Has Double Ring Steel Welded Guard; Finish Over Motor Body and Base is Black Enamel. This is a Single Speed Fan, Without Switch in Base, but Has the ⅛ inch Hollow Hardened Steel Shaft, Same as Other Emerson Fans; Complete With Cord and Seperable Plug. Weight Each, Packed, 16 lbs.

No. Emerson Junior—110 Volts, 60 Cycle

In Lots of.	1 to 9	10 to 24	25 to 99	100 to 199	200 or More
Each	$15.50	10.50	10.50	10 50	10.50
	15.95	**15.10**	**14 75**	**14.40**	**14 00**

NORTHWIND
OSCILLATING

Designed to Operate on 100 to 120 Volts Alternating or Direct Current Operates Without the Objectionable Noise and Vibrations Which Characterize the Smaller Electric Fans.

Four Blades, 10 inches in Diameter Heavy Double Ring, Welded Guard With Front Wires.

Three Speed, With Starting Switch in Motor Base, Four Base Rubbers to Protect Polished Surfaces; Steel Shaft ¼ inch in Diameter; Bronze Bearings With Wick-Filled Oil Wells; ⅛ inch Square Carbon Brushes; Light Brass Mat Finish Over Motor, Base, Blade and Guard, Complete With Plug and Cord.

Approximate Weight, Each, 9 lbs ; Packed, 18 lbs.

No. NWO110

In Lots of	1 to 11	12 to 35	36 to 71	72 or More
Each	$18.50	18 50	18.50	18.50
	28.70	**27.75**	**26.40**	**25.00**

One in a Box

32 VOLT DIRECT CURRENT

No. NWO32

In Lots of	1 to 11	12 to 35	36 to 71	72 or More
Each	$18 50	18.50	18.50	18.50
	28 70	**27.75**	**26.40**	**25 00**

One in a Box

STATIONARY

Four Blades, 8 inches in Diameter, Heavy Double Ring, Welded Guard With Front Wires. **Two Speeds,** With Starting Switch in Motor Base. Full Swivel-Trunnion Feature; Four Base Rubbers to Protect Polished Surfaces. Shaft, ⅛ inch Steel. Bronze Bearings With Wick-Filled Oil Wells. ⅜ inch Square Carbon Brushes; Light Brass Mat Finish Over Motor, Base, Blade and Guard. Complete With Plug and Cord. The Swivel Base Allows the Fan to be Turned as Desired and the Convertible Feature Permits Using it as a Bracket Fan Without Extra Parts. It is Light Enough for Anyone to Carry; It is a Satisfactory Electric Fan Within the Reach of Everyone.

Approximate Weight Each, 4 lbs.

No. NW110

In Lots of	1 to 11	12 to 35	36 to 71	72 or More
Each	$8.00	8.00	8.00	8.00
	12.40	**12.00**	**11.55**	**10.80**

Twelve in a Case

ELECTRIC FANS

POLAR CUB

COMBINATION WALL AND INDIVIDUAL DESK FAN

Operates on Either Direct or Alternating Current; 105 to 115 Volts; 25 to 60 Cycle. Single Speed; No Controlling Switch. Can be Regulated by Attaching a Dim-A-Lite or Similar Socket.

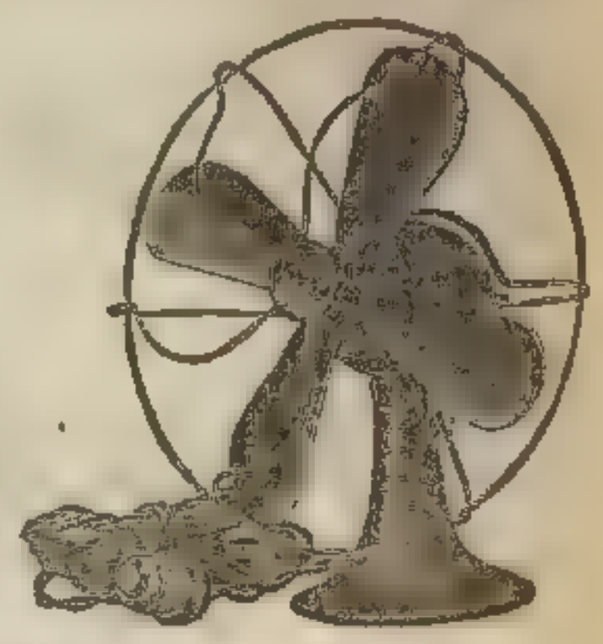
Black Japanned Cast Iron Base; Black Drawn Steel Motor Casing; Bronze Bearings Welded to Motor Casing. Both Front and Back Bearing Drilled for Oil Wick. Needs Very Little Oil. Slot in Base Enables User to Hang on Wall.

Height Over All, 8 inches
Equipped With Plug and Cord
Weight Each, Packed 5 lbs.
Retails at $5.00 Each

No. PC6

	Per Dozen
Less than Dozen Lots	$90 00
6 Dozen Lots	84 00
Gross Lots	82 80
2 to 10 Gross Lots	78.00

One in Package; One Dozen in Carton



Height Over All, 9½ inches;
Equipped With Plug and Cord
Weight Each, Packed, 6 lbs.
Retails at $8.50 Each

No. PC8

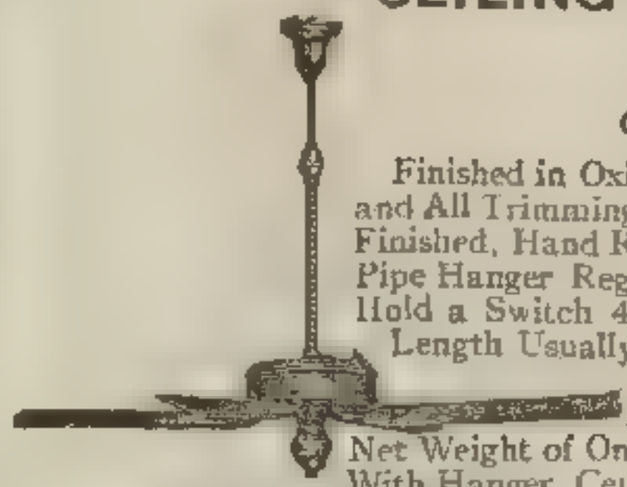
	Per Dozen
1 Dozen Lots	$126 00
6 Dozen Lots	124.80
Gross Lots	123 60
2 to 5 Gross Lots	120.00

One in Package; One Dozen in Carton

CEILING FANS

EMERSON

ORNAMENTAL



Finished in Oxidized Copper Over Motor, Hanger and All Trimmings. The Four Blades are Mahogany Finished, Hand Rubbed. The Emerson Adjustable Pipe Hanger Regularly Supplied is of 3 Lengths to Hold a Switch 40 to 60 inches From Ceiling, the Length Usually Required for Ceiling, 10½ to 12 feet High. Three Speeds, Approximately 225, 180 and 140 R. P. M Net Weight of One Fan, About 65 lbs. Complete With Hanger, Ceiling Hook and Canopy.

FOR ALTERNATING CURRENT ONLY
Blades 56 inch Sweep
No. 46641

In Lots of	1 to 9	10 to 24	25 to 99	100 to 199	200 or More
Each	$54.00	54.00	54.00	54.00	54 00
	82.10	**77.75**	**75.80**	**73.90**	**71.95**

Two in a Case

MOTOR TYPE

To Retail at $5 00 Each

Packed One Each in Stained Cardboard Box; Net Weight 1 Pound

VIBRATORS

POLAR CUB

Universal Motor—For Use on Either Direct or Alternating Current; 110 Volt, 60 Cycle Only.

One of the Very Best Selling Electrical Items on the Market

Black Rubber Enamel Shell Enclosing Vibrator; 2¼ inches in Diameter and 2¾ inches Long; Has Gracefully Designed Handle 4 inches Long; Finished in Black. Furnished With 7½ feet of Black Twisted Cord With Two-Piece Plug, for Screw or Push Socket

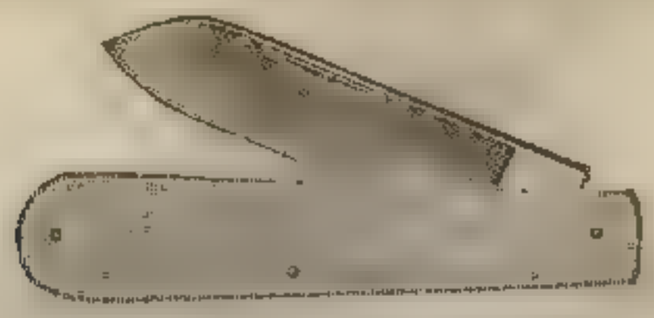
No. PV5—Complete With 3 Applicators; Brush, Cup and Button.

	Per Dozen
Dozen Lots	$87 60
6 Dozen Lots	84 60
1 to 2 Gross Lots	81 60
2 to 5 Gross Lots	69.60

POCKET KNIVES

★ENTERPRISE

American Made; High Grade American Steel Blades; Carefully Forged, Ground and Tempered; Free from Flaws and Imperfections.



Brass Lining; Length, 3 inches; Large Spear Blade; Glazed Finish.

Per Dozen

No. X103AC—Assorted Celluloid Handle **$2 50**

One Dozen in a Box; Weight per Dozen, 2⅓ lbs.

Brass Lining; Steel Bolsters; Length, 3 inches; Large Spear Blade; Glazed Finish.

Per Dozen

No. X110ST –Stag Handle **$3 00**

One Dozen in a Box; Weight per Dozen, 2½ lbs.

Brass Lining; Length, 3¼ inches; Large Clip Blade; Glazed Finish.

Per Dozen

No. X105AC—Assorted Celluloid Handle **$5.00**

One Dozen in a Box; Weight per Dozen, 2 lbs.

Brass Lining; Nickel Silver Bolsters; Length, 4 inches; Large Clip Blade; Glazed Finish.

Per Dozen

No. X112AC—Assorted Celluloid Handle **$8.00**

No. X112½AC—Assorted Celluloid Handle, Large Sabre Blade **9.00**

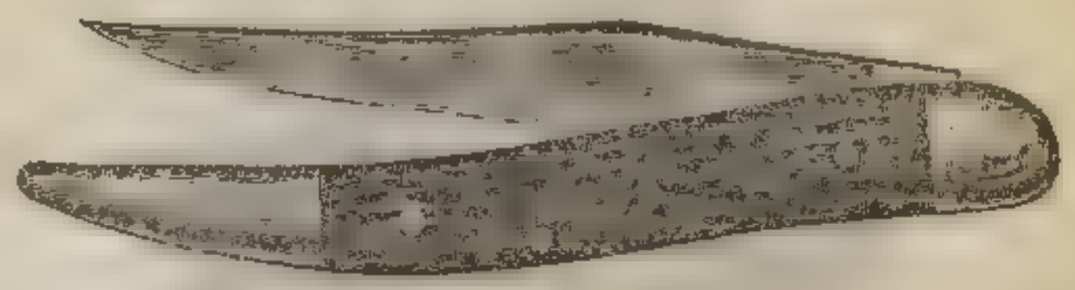
Half Dozen in a Box; Weight per Dozen, 3½ lbs.

Brass Lining, Nickel Silver Bolsters, Length, 4½ inches; Large Clip Blade; Polished.

Per Dozen

No. X108C—Celluloid Handle **$13 00**

Half Dozen in a Box; Weight per Dozen, 3 lbs.



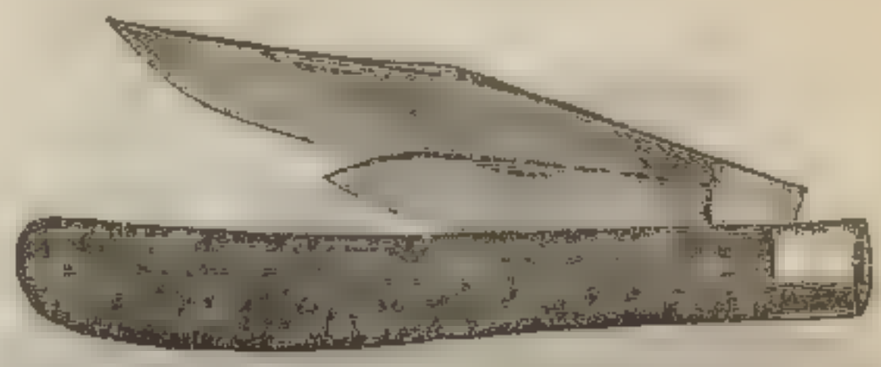
Brass Lining; Steel Bolsters; Length, 5 inches; Large Clip Blade; Glazed Finish.

Per Dozen

No. X104ST –Stag Handle **$15 00**

No. X104AC Assorted Celluloid Handle **15 00**

Half Dozen in a Box; Weight per Dozen, 3 lbs.



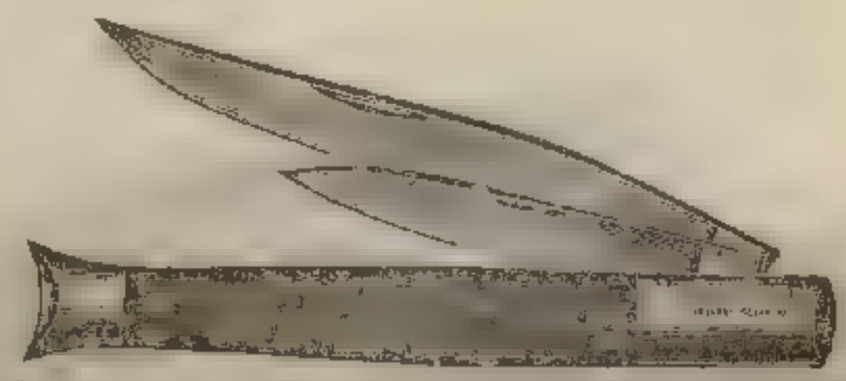
Brass Lining, Nickel Silver Bolsters; Length, 4 inches; Large Spear and Small Pen Blades. Glazed Finish.

Per Dozen

No. X226—Celluloid Handle **$12 00**

No. X227—Celluloid Handle, Large Swedged Blade **13.00**

Half Dozen in a Box; Weight per Dozen, 3½ lbs.



Brass Lining; Nickel Silver Bolsters; Length, 3¾ inches. Blades Glazed Finish; Large Clip and Small Pen Blades.

Per Dozen

No. X250AC—Assorted Celluloid Handle **$15.00**

No. X250ST –Stag Handle **15.00**

Half Dozen in a Box, Weight per Dozen, 3 lbs.

TRADE MARK REGISTERED IN THE U. S. PAT OFFICE

POCKET KNIVES

★ENTERPRISE

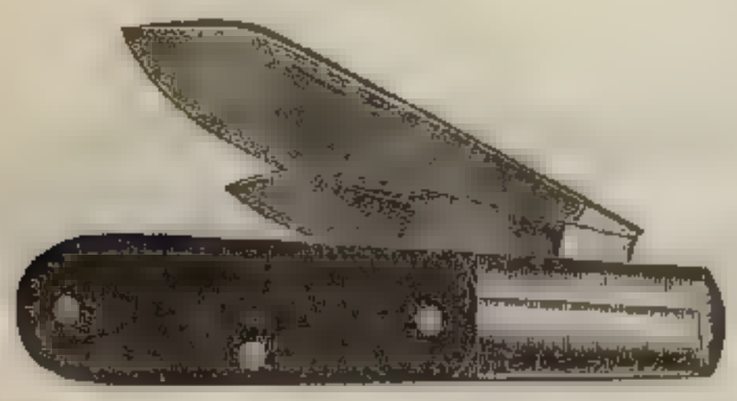
American Made; High Grade American Steel Blades, Carefully Forged, Ground and Tempered; Free from Flaws and Imperfections.

Brass Lining; Length, 2¾ inches; Large Spear and Small Pen Blades; Glazed Finish.

Per Dozen

No. X771—Brown Celluloid Handle **$2 70**

One Dozen in a Box; Weight per Dozen, 2 lbs.



Steel Lining; Steel Bolsters; Length, 3⅝ inches; Blades Glazed Finish.

Per Dozen

No. X247—Fibre Handle; Large Spear and Small Pen Blades..... **$7 00**

No. X246—Fibre Handle; Large Clip and Small Pen Blades..... **7 00**

No. X107—Fibre Handle; Large Spear Blade **5 00**

No. X106—Fibre Handle; Large Clip Blade **5 00**

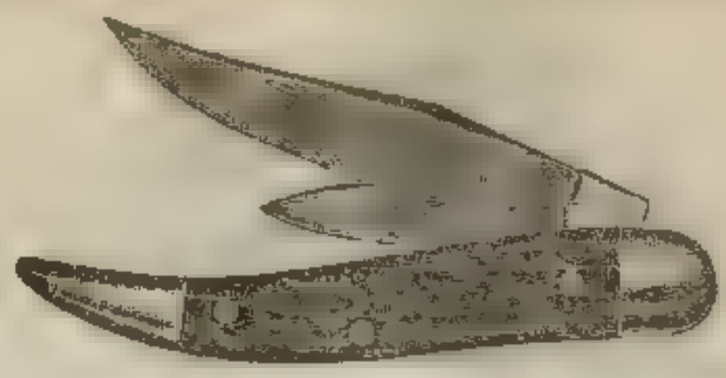
Half Dozen in a Box; Weight per Dozen, 3 lbs.

Brass Lining; Steel Bolsters; Length, 3 inches; Large Spear and Small Pen Blades; Glazed Finish.

Per Dozen

No. X661—Stag Handle **$5 00**

One Dozen in a Box; Weight per Dozen, 3 lbs.



Brass Lining; Nickel Silver Bolsters; Length, 3½ inches; Blades Glazed Finish.

Per Dozen

No. X248ST Stag Handle; Large Clip and Small Pen Blades..... **$12 00**

No. X248AC—Assorted Celluloid Handle; Large Clip and Small Pen Blades..... **12 00**

No. X109ST—Stag Handle; Large Clip Blade..... **8 00**

No. X109AC—Assorted Celluloid Handles; Large Clip Blade..... **8 00**

Half Dozen in a Box; Weight per Dozen, 3 lbs.

Brass Lining; Nickel Silver Bolsters; Length, 3¼ inches; Large Clip and Small Pen Blades; Half Polished, Etched.

Per Dozen

No. X228AC—Assorted Celluloid Handle..... **$12 00**

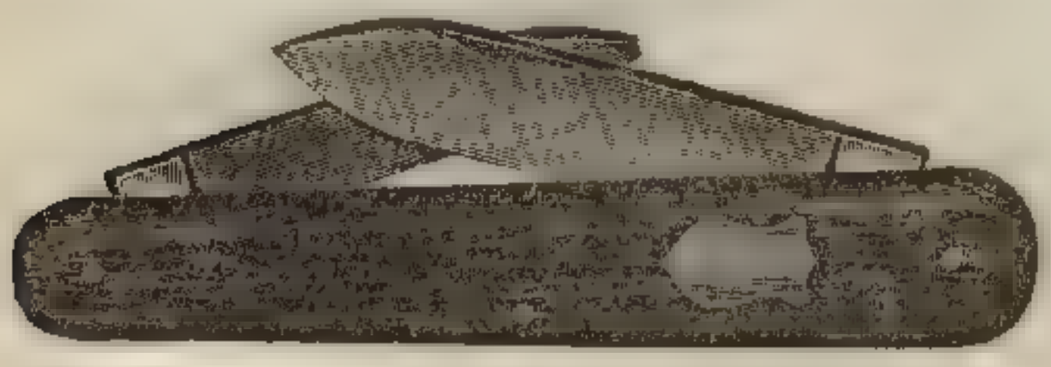
Half Dozen in a Box; Weight per Dozen, 3 lbs.

Brass Lining; Nickel Silver Bolster; Length, 3¼ inches; Large Spear and Small Pen Blades; Glazed Finish; Nickel Silver Shield.

Per Dozen

No. X249C—Celluloid Handle **$8 00**

One Dozen in a Box, Weight per Dozen, 3½ lbs.

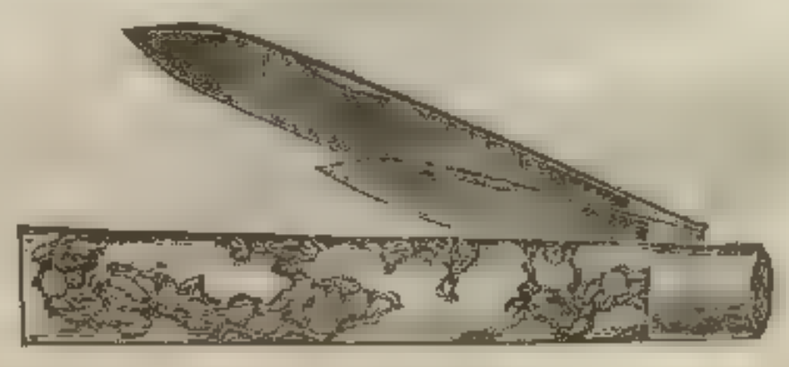


Brass Lining; Length, 3¼ inches; Large Spear and Small Pen Blades; Glazed Finish; Nickel Silver Shield.

Per Dozen

No. X551—Assorted Celluloid Handle..... **$5 00**

One Dozen in a Box; Weight per Dozen, 2½ lbs.



Brass Lining; Nickel Silver Bolsters; Length, 3½ inches; Large Spear and Small Pen Blades; Glazed Finish.

Per Dozen

No. X221AC—Assorted Celluloid Handle..... **$12 00**

Half Dozen in a Box; Weight per Dozen, 3½ lbs.

POCKET KNIVES

★ENTERPRISE

American Made; High Grade American Steel Blades, Carefully Forged, Ground and Tempered; Free from Flaws and Imperfections.

Brass Lining; Nickel Silver Tips; Length, 3¼ inches; Large Spear and Small Pen Blades; Glazed Finish.

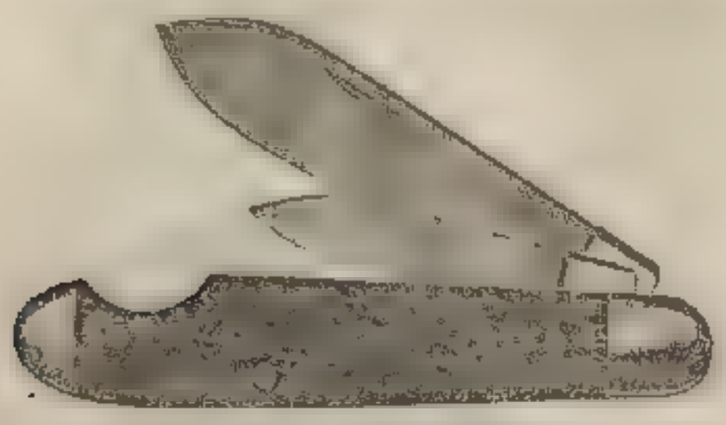
	Per Dozen
No. X217AC—Assorted Celluloid Handle	**$10.80**
No. X217ST—Stag Handle	**10.80**

Half Dozen in a Box; Weight per Dozen, 3 lbs.

Brass Lining; Nickel Silver Bolsters; Length, 3¼ inches; Large Spear and Small Pen Blades; Glazed Finish.

	Per Dozen
No. X218ST—Stag Handle	**$10 80**
No. X218AC—Assorted Celluloid Handle	**10 80**

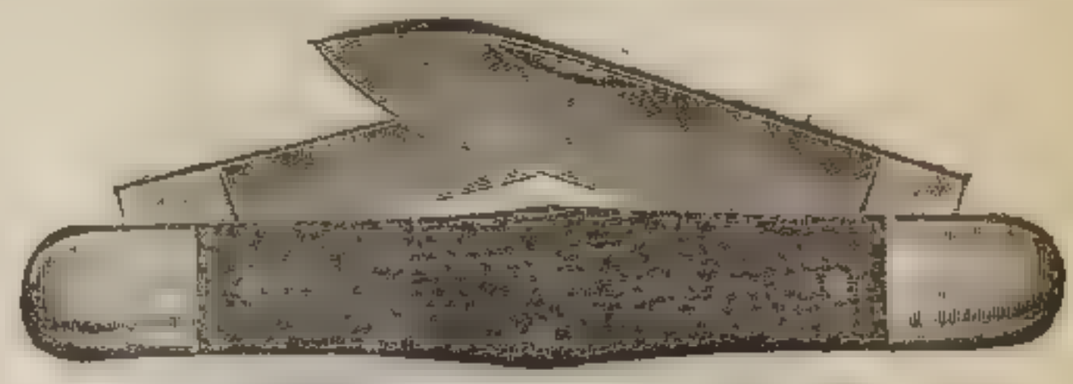
Half Dozen in a Box; Weight per Dozen, 3 lbs.



Brass Lining; Nickel Silver Bolsters; Length, 3½ inches; Large Spear and Small Pen Blades; Glazed Finish.

	Per Dozen
No. X246SEO—Stag Handle	**$10 80**

Half Dozen in a Box; Weight per Dozen, 3 lbs.



Brass Lining; Nickel Silver Bolsters; Length, 3½ inches; Large Spear and Small Pen Blades; Glazed Finish.

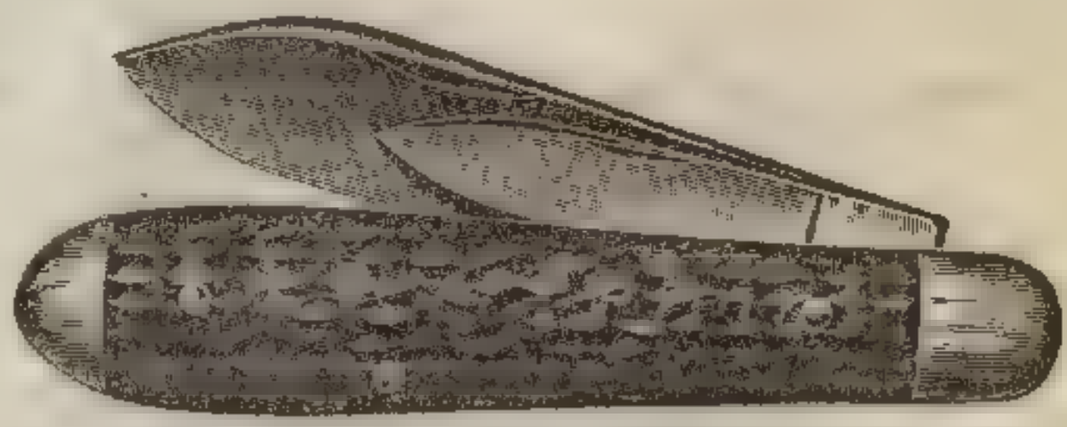
	Per Dozen
No. X216ST Stag Handle	**$10 80**
No. X216AC—Assorted Celluloid Handle	**10 80**

Half Dozen in a Box, Weight per Dozen, 3 lbs.

Brass Lining; Nickel Silver Bolsters; Length, 3⅝ inches; Large Spear and Small Pen Blades; Glazed Finish.

	Per Dozen
No. X220ST—Stag Handle	**$13.00**

Half Dozen in a Box; Weight per Dozen, 3 lbs.



Brass Lining; Nickel Silver Bolsters; Length, 3½ inches; Large Spear and Small Pen Blades; Glazed Finish.

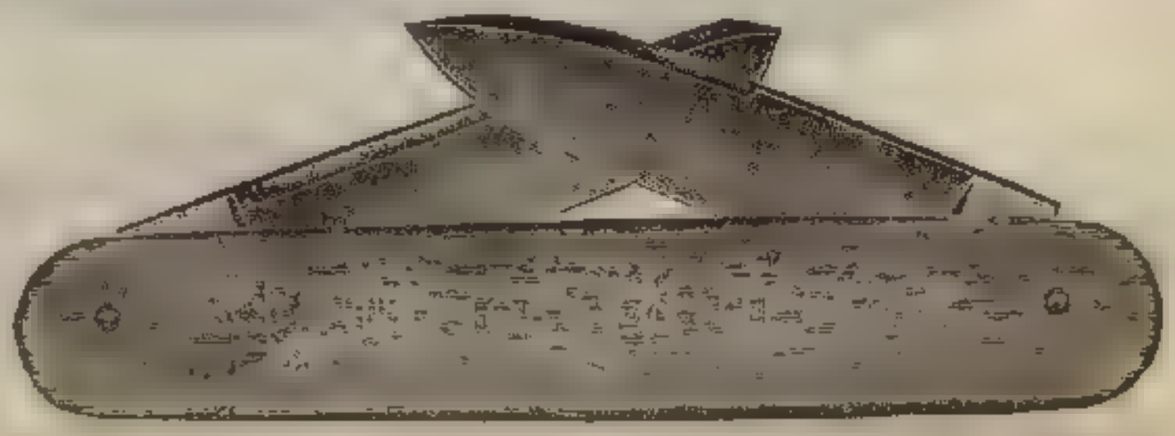
	Per Dozen
No. X214ST—Stag Handle	**$10 80**
No. X214AC—Assorted Celluloid Handle	**10 80**

Half Dozen in a Box; Weight per Dozen, 3½ lbs.

Brass Lining; Nickel Silver Bolsters; Length, 3½ inches; Large Spear and Small Pen Blades; Glazed Finish.

	Per Dozen
No. X215AC—Assorted Celluloid Handle	**$10.80**
No. X215ST—Imitation Stag Handle	**10 80**

Half Dozen in a Box; Weight per Dozen, 3½ lbs.



Brass Lining; Length, 3⅝ inches; Large Spear and Ink Erasure Blades; Polished.

	Per Dozen
No. X223—White Celluloid Handle	**$12 00**

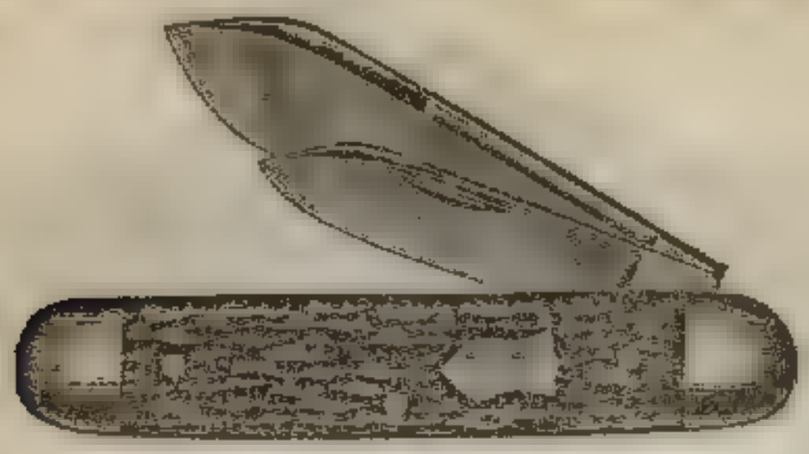
Half Dozen in a Box; Weight per Dozen, 3 lbs.

TRADE MARK REGISTERED IN THE U S PAT OFFICE

POCKET KNIVES

*ENTERPRISE

American Made; High Grade American Steel Blades, Carefully Forged, Ground and Tempered; Free from Flaws and Imperfections.



Brass Lining; Nickel Silver Bolsters; Length, 3¾ inches; Large Spear and Small Pen Blades; Glazed Finish; Nickel Silver Shield.

Per Dozen

No. X230ST—Stag Handle..... **$13 00**

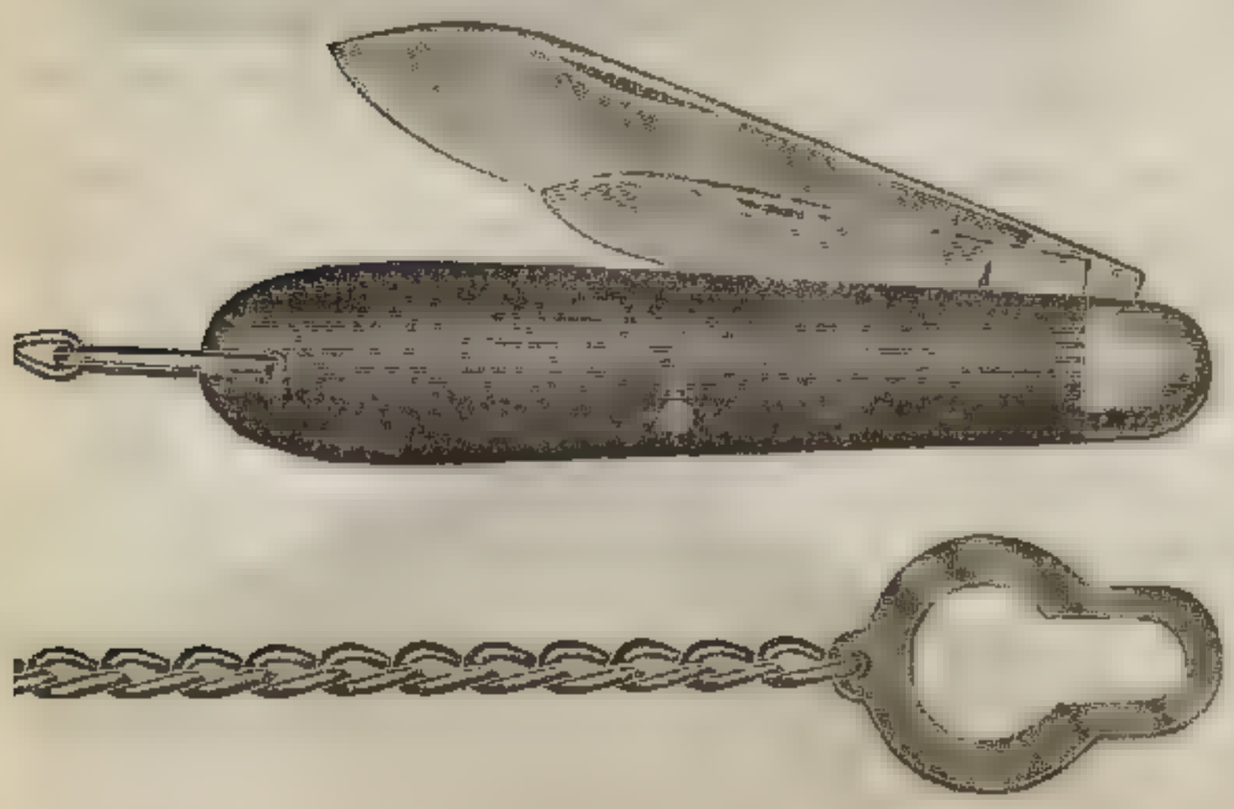
No. X230AC—Assorted Celluloid Handle..... **13 00**
Half Dozen in a Box; Weight per Dozen, 3½ lbs.

Brass Lining; Nickel Silver Bolsters; Length, 3⅞ inches; Large Spear and Small Spey Blades; Glazed Finish; Nickel Silver Shield.

Per Dozen

No. X234ST—Stag Handle **$13 00**

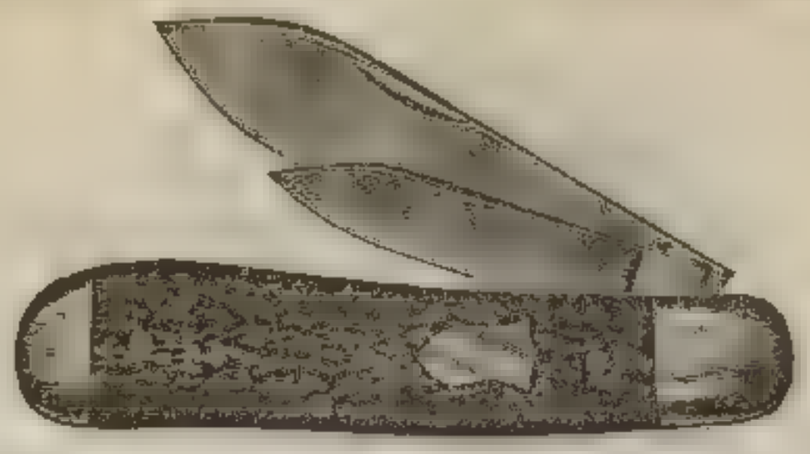
No. X234AC—Assorted Celluloid Handle..... **13.00**
Half Dozen in a Box; Weight per Dozen, 3½ lbs.



Steel Lining; Nickel Silver Bolsters; Length, 3½ inches; Large Spear and Small Pen Blades; Glazed Finish; Extra Long Polished Steel Chain.

Per Dozen

No. X224—Black Fibre Handle..... **$9.00**
Half Dozen in a Box; Weight per Dozen, 3 lbs.

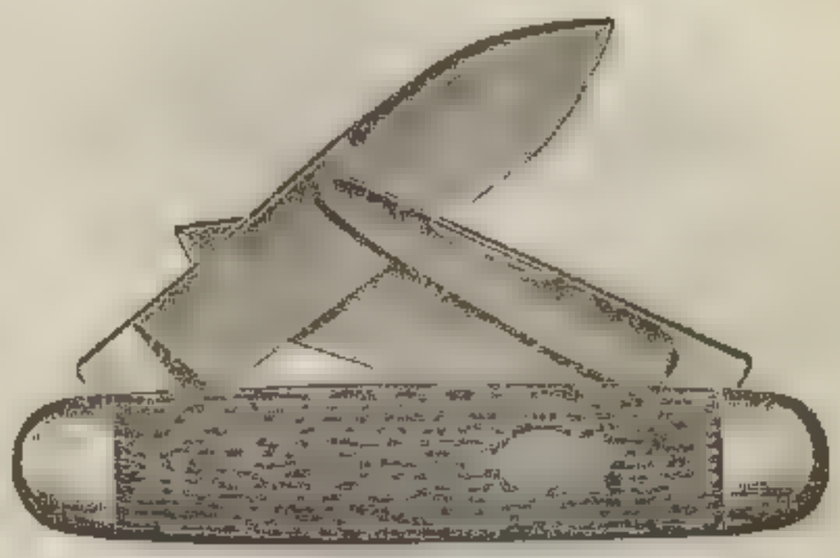


Brass Lining; Nickel Silver Bolsters; Length, 3¾ inches; Large Spear and Small Pen Blades; Glazed Finish; Nickel Silver Shield.

Per Dozen

No. X233ST—Stag Handle..... **$13 00**

No. X233AC—Assorted Celluloid Handle..... **13 00**
Half Dozen in a Box, Weight per Dozen, 3½ lbs.



Three Spring Knife

Brass Lining; Nickel Silver Bolsters; Length, 3¾ inches; Large Spear, Large Spey and Leather Punch Blades; Glazed Finish; Nickel Silver Shield.

Per Dozen

No. X301ST—Stag Handle..... **$21.60**
Half Dozen in a Box; Weight per Dozen, 3½ lbs.

Brass Lining; Steel Bolsters; Length, 3¾ inches; Blades Glazed Finish; Nickel Silver Shield.

Per Dozen

No. X302ST—Stag Handle; Small Sheepfoot and Small Spey Blades..... **$16 00**

No. X309ST Stag Handle, Large Clip, Small Spey and Leather Punch Blades **16 80**

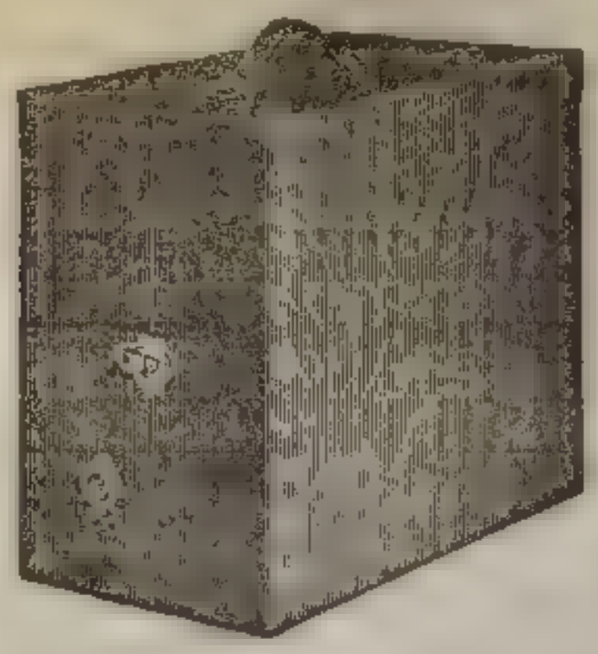
No. X309AC—Assorted Celluloid Handle; Large Clip, Small Spey and Leather Punch Blades **16 80**
Half Dozen in a Box; Weight per Dozen, 3½ lbs.

HARMOGRAPH PORTABLES

PLAY ANY DISC RECORD MADE

PRACTICAL FOR ANY OCCASION—ANY PLACE—ANY TIME

Condensed in Size



But Not in Sound

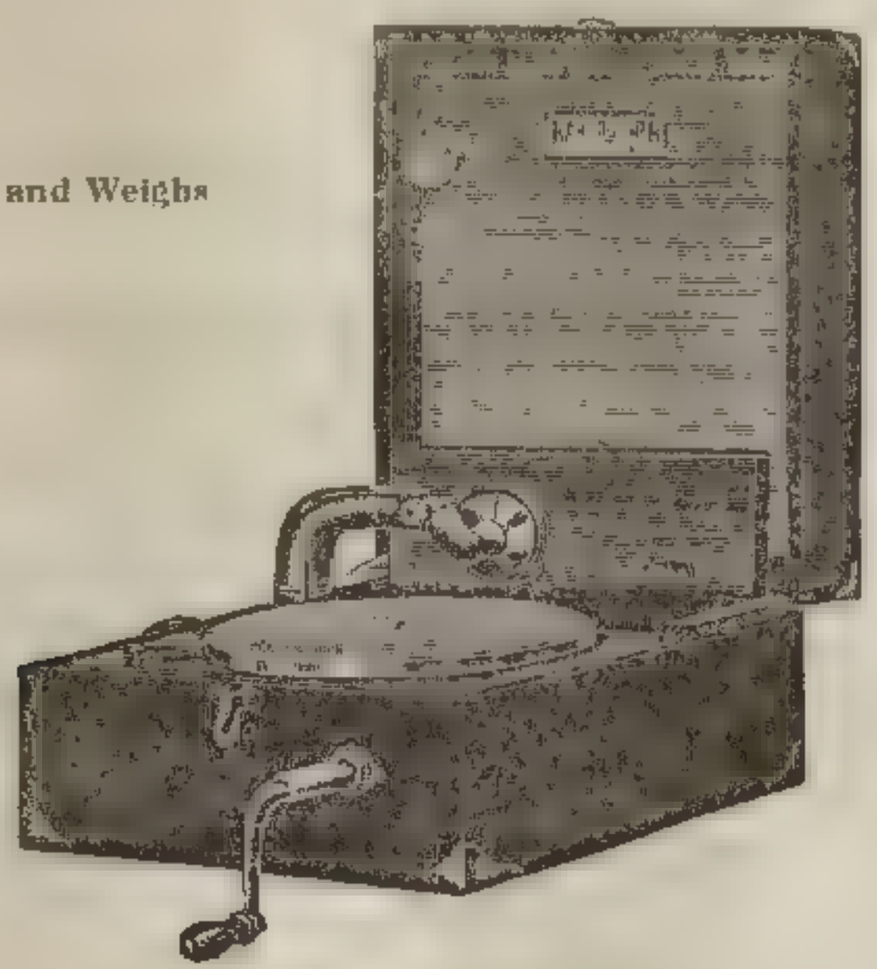
Harmograph Portables are All Equipped With Substantial Smooth Running Motors. Can be Wound While Playing

Tonearm, Collapsible, Good Clear Reproducer, Equipped With Universal Sound Box.

Cases and Panels All ½ inch Thick Finished With the Same Care as on High Grade Cabinet Machines.

14x15½x8 inch and Weighs Only 20 lbs.

COUNTRY CLUB MODEL



This Particular Machine Has Been Designed to Meet the Demand for a Portable Which Is Not Only More Elaborate than the Plain Wooden Case, but One Which Blends Well with the Furnishings of the Finest Music Room.

A Sturdy Companion Outdoors—A Fit Ornament Indoors!

Many Outstanding Features, Several Found Only in the Harmograph Portable, Fully Covered by Patents.

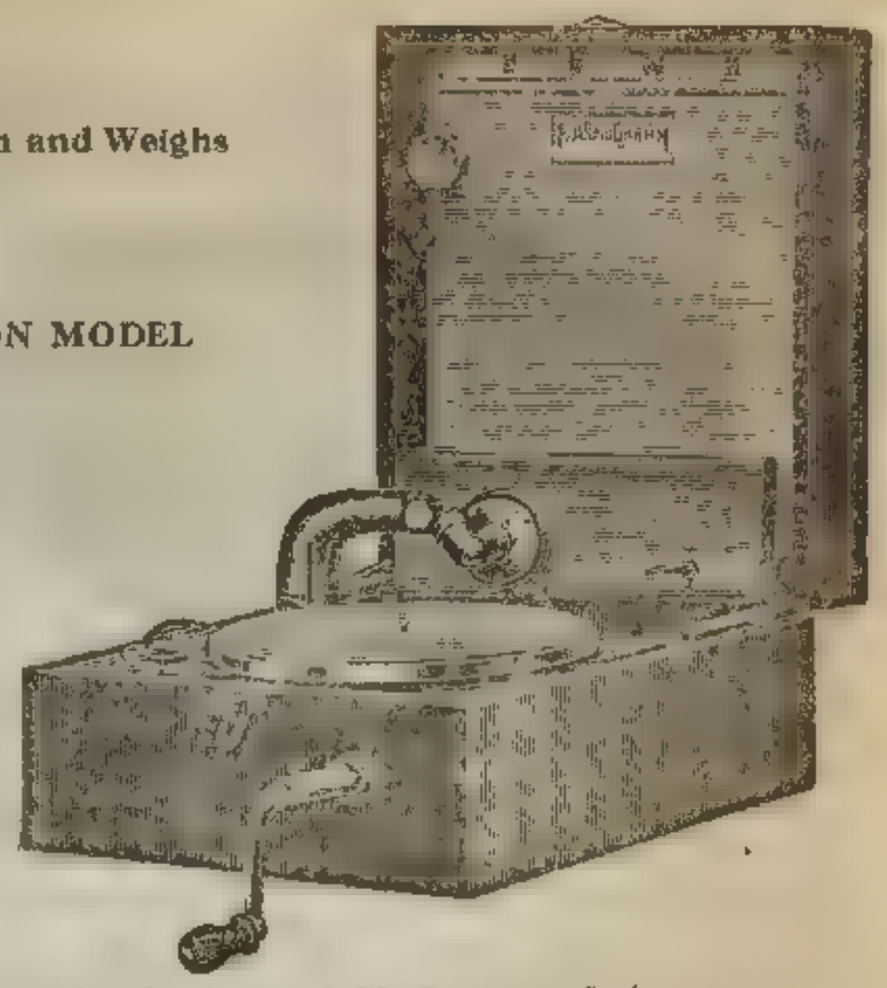
All Exposed Metal Parts Heavily Nickel Plated.

	Each
No. DFP55—Green Fabrikoid Covered	**$70 00**
✣ **No. DFP55**—Brown Fabrikoid Covered	**70 00**
✣ **No. DFP55**—Black Fabrikoid Covered	**70 00**

In Ordering be Sure to Specify Color and Finish Desired.

14x15½x8 inch and Weighs Only 20 lbs.

RECREATION MODEL



This Substantial Machine is Built to Withstand All the Hardships and Rough Usage Required for Outdoor Purposes and Yet Its Finish is Such as to Make it Fit for Use in the Home

A Sturdy Companion Outdoors—A Fit Ornament Indoors.

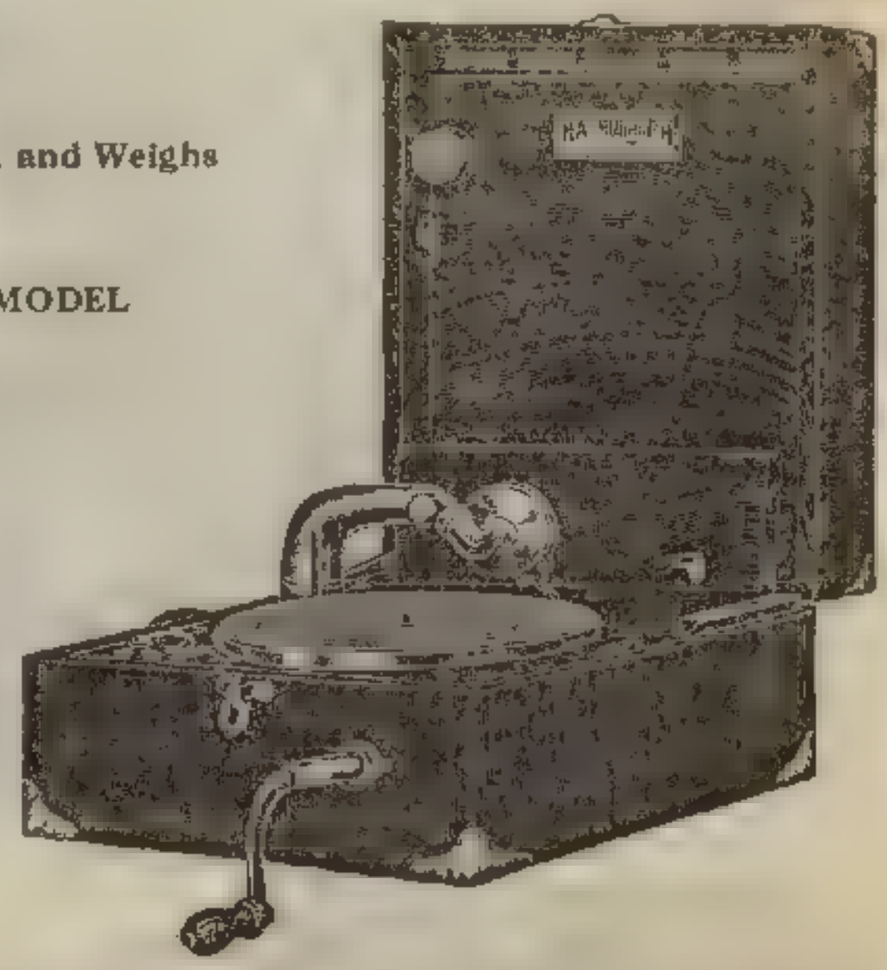
Many Outstanding Features, Several Found Only in the Harmograph Portable, Fully Covered by Patents.

All Exposed Parts Heavily Nickel Plated.

	Each
No. DOP41—Dark Fumed Oak, Waxed Finish	**$50 00**
✣ **No. LOP41**—Light Oak, Waxed Finish	**50 00**
No. WMP41—Birch, Mahogany Finish, Waxed	**50 00**
Above Prices Do Not Include Automatic Stop; Extra for Stop	**2 50**

14x15½x8 inch and Weighs Only 20 lbs.

DE LUXE MODEL



This Elegant Machine Combines Not Only Portability, Compactness and Durability, but Also Beauty of Design and Finish.

A Sturdy Companion Outdoors—A Fit Ornament Indoors!

Many Outstanding Features, Several Found Only in the Harmograph Portable, Fully Covered by Patents.

All Exposed Parts Heavily Gold Plated.

	Each
No. DFP75—Black Fabrikoid Covered	**$100 00**
✣ **No. DFP75**—Green Fabrikoid Covered	**100 00**
✣ **No. DFP75**—Brown Fabrikoid Covered	**100.00**

In Ordering be Sure to Specify Color and Finish Desired.

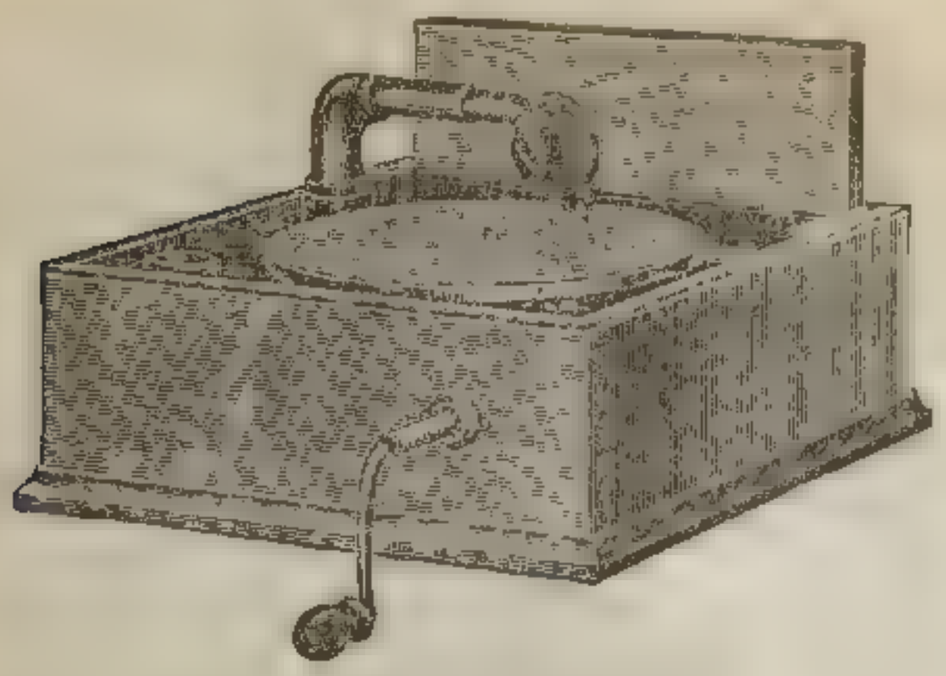
Items Marked ✣ Not Carried in Stock, Can Only be Furnished by Shipping Direct from Factory, Plymouth, Wis.

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE.

HARMOGRAPH TALKING MACHINES

TABLE TYPE

PLAY ANY DISC RECORD MADE



The Little Machine With the Big Volume.

Size—15¼ inches Wide; 16¾ inches Deep; 6¼ inches High.

This Little Machine Has Been Designed to Meet the Demand for a High Grade Musical Instrument from a Mechanical Standpoint at a Price Within the Reach of All

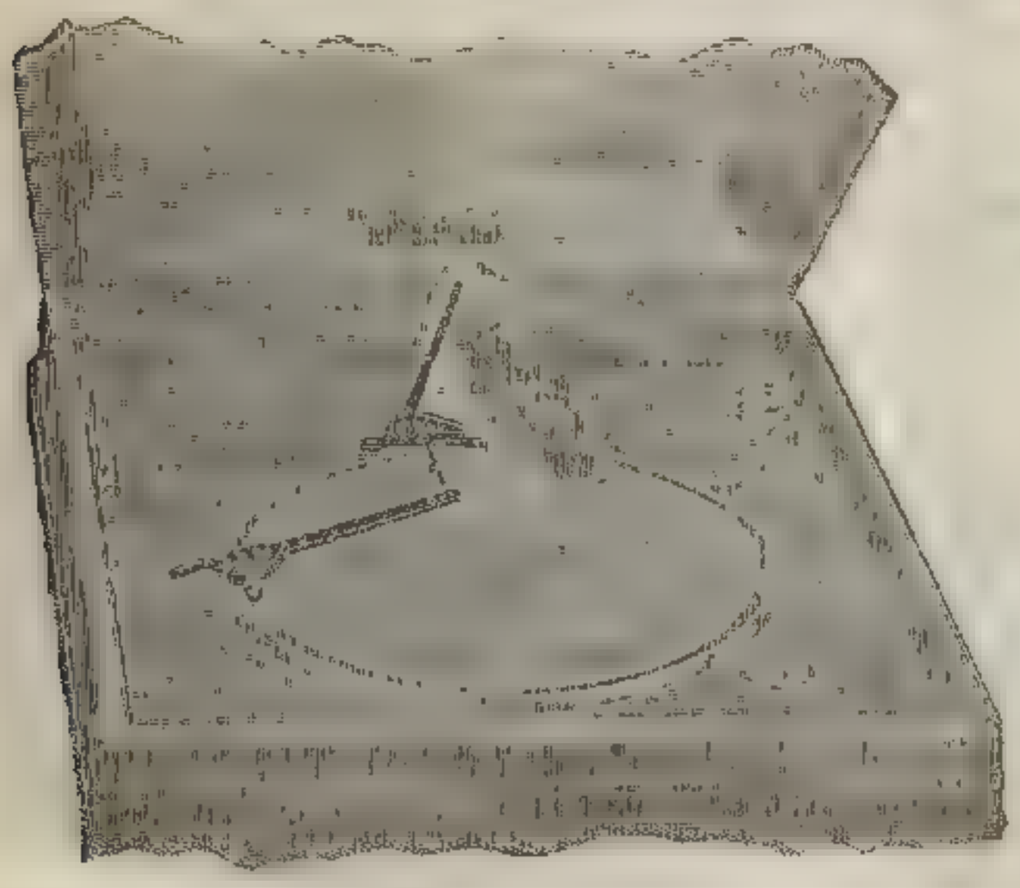
Panels and Case—All ½ inch Quarter Sawed Oak. Highly Waxed Natural Finish; Constructed and Finished with the Care as On the Highest Grade Machines.

Substantial Tone Arm—Equipped with Universal Sound Box, Permitting the Playing of All Makes of Disc Records. Double Spring Motor, Can be Wound While Playing.

Shipping Weight, Packed One in a Wooden Case, 30 lbs.

	Each
No. T35—Without Automatic Stop	**$37 50**
No. T35S—Complete Fitted with Automatic Stop	**40 00**

TALKING MACHINE AUTOMATIC STOPS



Ornamental, Practical, Durable.

Easy to Install. Easy to Operate. Nothing to Get Out of Order. It Works Every Time.

Can Be Attached on Any Make Phonograph.

To Operate—Simply Swing the Tone Arm Over so That the Needle Rests in the Last Groove—Press the Standard Against Tone Arm Elbow and Start Your Record. When the Needle Reaches the Last Groove, the Stop Automatically Shuts Off the Motor.

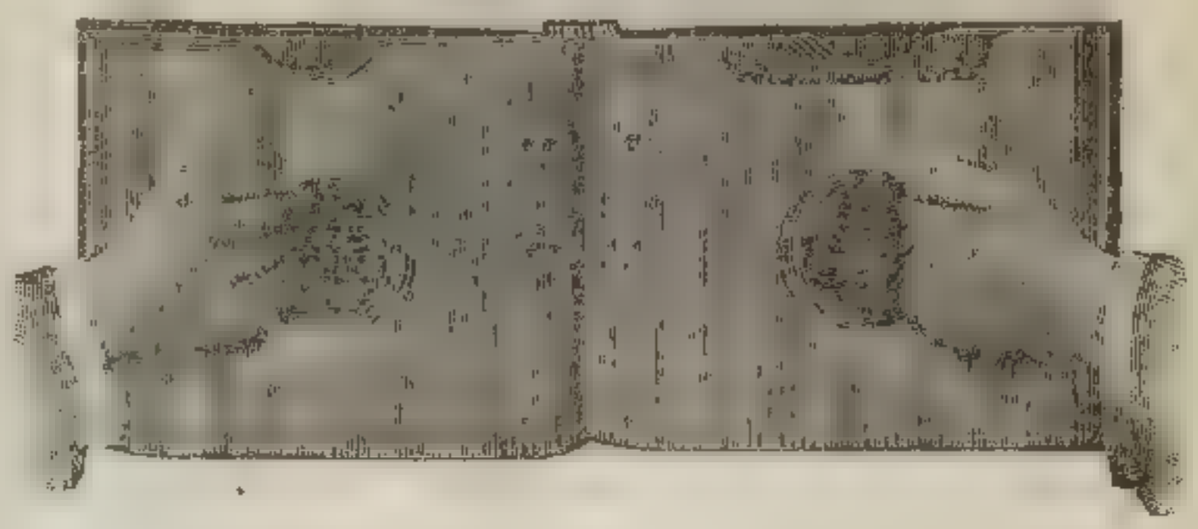
After Stop is Installed Phonograph Can be Operated Either with or Without the Stop, as Desired.

	Each
No. ASN—Nickel Plated	**$2 00**
No. ASG—Gold Plated	**3 00**

Loose

TALKING MACHINE RECORD ALBUMS

These Albums are Made With Heavy, Stiff Cloth-Covered Board Backs. Each Album Contains Compartments for Twelve Records. Index on Inside of Each Cover Numbered One to Twelve, With Space for Record Number, Title of Record and Artist. Covers Lettered in Gold. Leather Tab on Backs to Facilitate Taking Albums Out of Record Cabinet.



This Illustrates the Great Strength and Durability of Our Record Albums. Compartments Made of Extra Heavy Tough Fiber Paper and Will Stand An Immense Amount of Handling.

	Each
No. 2110—For 10 inch Records; Size, 12½x10½x2 inches; Weight per Dozen, 24 Pounds	**$1.20**
No. 2112—For 12 inch Records; Size 14½x12½x2 inches; Weight per Dozen, 33 Pounds	**1 50**

Loose

TALKING MACHINE NEEDLES

BRILLIANTONE

Made in U. S. A.

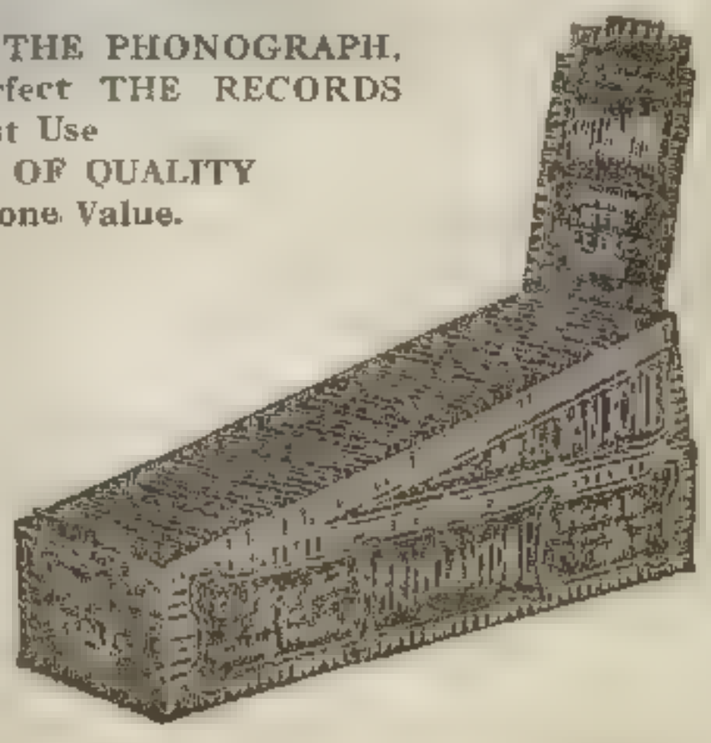
WORLD'S STANDARD NEEDLE—SOLD BY LEADING DEALERS

The New Super, Silver-Like Finish.

Uniform Length—Uniform Point—Uniform Hardness.

Brilliantone Steel Needles are Made in America by the Largest and Best Known Needle Factory in the World. They Enjoy a Reputation Second to None and are Regarded Everywhere as the Standard Steel Needles of Phonographdom. Every Needle is of the Finest Grade of Carbon Steel and Finished by a New Process, Similar to That Used on High Grade Silverware

No Matter How Good THE PHONOGRAPH,
No Matter How Perfect THE RECORDS
You Must Use
STEEL NEEDLES OF QUALITY
To Get Full Tone Value.



Five Tones—
Soft
Medium
Loud
Extra Loud
Dance
Each Tone in a Different Colored Package

	Per Package
No. SN—Weight per Carton, 2¼ lbs. 100 Needles to a Package; 50 Packages to Each Display Carton	**$0 10**

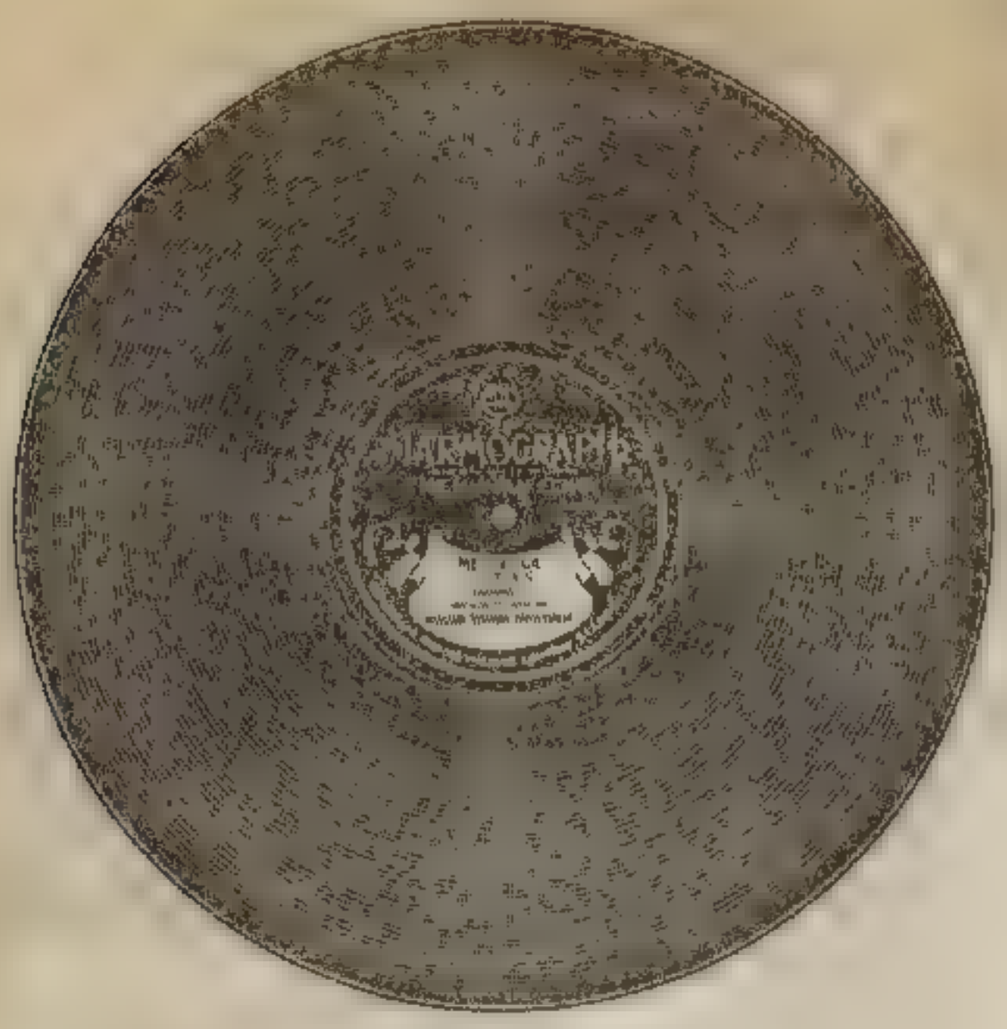
JEWEL

	Each
No. EDN—Sapphire Jewel Diamond Point for Edison Records	**$0 30**

One in an Envelope

LATERAL CUT RECORDS

HARMOGRAPH



"The Artists Only Rival"

All 10 inch Double Faced. New Releases Every Month.

Can be Played on the Harmograph, Victor, Columbia, Brunswick Vocalion and All Other Talking Machines Equipped With a Universal Tone-Arm.

Recommended to be Equal or Superior to Any Popular Priced Record on the Market.

Attractive Window Strips, Showing Latest Releases Furnished Each Month to Customers Buying Harmograph Records Regularly.

Classified Catalogs, Revised Each Month, Furnished With Each Shipment of Records.

We are Taught That a Perfect Echo is a True Reflection. Therefore After Exhaustive Tests and Comparison, We Have Found Our New Harmograph Records to be Such True Reflections, That We Do Not Hesitate to Call Them the Human Echo.

The Recordings are So Clear, the Quality is of Such High Grade, the Purity of Tone is So Strongly Emphasized, That the Most Exacting Critic Will Give His Verdict, That the Harmograph Records are—"The Artists only Rival."

	Each
Any Selection, Any Quantity	$0 80 .75

Each Record in An Individual Envelope
10 or 20 to a Carton; 200 in a Wooden Shipping Case
Weight per Case, 100 lbs.

CLASSIFIED LIST

DANCE RECORDS

No.		Each
723	**Little Thoughts**—Fox Trot; Arthur Lange's Orch. **Idola**—Fox Trot; Harmograph Dance Orchestra	$0.80 .75
725	**Stumbling**—Fox Trot; Golden Gate Dance Orch. **On the Alamo**—Fox Trot; Golden Gate Dance Orch.	.80 .75
726	**Rosy Posy**—Fox Trot; Harmograph Dance Orchestra **Sing Song Man**—Fox Trot; Arthur Lange's Orchestra	.80 .75
728	**Swanee River Moon**—Waltz; Lane & Dale's Marimba Band **California**—Fox Trot; Velvetone Dance Orchestra	.80 .75
729	**Don't Leave Me Mammy**—Fox Trot; Lane & Dale's Marimba Band **Georgia**—Fox Trot; Hussar's Claridge Hotel Orch.	.80 .75
731	**Meditation of Thais**—Fox Trot; Arthur Lange's Orchestra **Song of India**—Fox Trot; Arthur Lange's Orchestra	.80 .75
734	**Leave Me With a Smile**—Fox Trot; Harmograph Dance Orchestra **The Sheik (Of Araby)**—Fox Trot; Harmograph Dance Orchestra	$0 80 .75
736	**I Love—She Loves Me**—Fox Trot; Velvetone Dance Orchestra **Lovable Eyes**—Fox Trot; Velvetone Dance Orchestra	.80 .75
737	**Do It Again**—Fox Trot; Arthur Lange's Orchestra **Step On It Blues**—Fox Trot; Kentucky Favorites	.80 .75
741	**Dancing Fool**—Fox Trot; Arthur Lange's Orchestra **A Bunch of Keys**—Fox Trot; Kentucky Favorites	.80 .75
743	**Kicky Koo You For Me**—Fox Trot; Harmograph Dance Orchestra **No Use Crying**—Fox Trot; Harmograph Dance Orch.	.80 .75
744	**State Street Blues**—Fox Trot; Harmograph Dance Orchestra **Haunting Blues**—Fox Trot; Harmograph Dance Orchestra	.80 .75
746	**Pick Me Up and Lay Me Down in Dear Old Dixieland**—Fox Trot; Harmograph Dance Orchestra **By the Sapphire Sea**—Fox Trot; Harmograph Dance Orchestra	.80 .75
748	**Good-Bye Shanghai**—Fox Trot; Harmograph Dance Orchestra **Just a Little Love Song**—Fox Trot; Harmograph Dance Orchestra	.80 .75
750	**Hopeless Blues**—Fox Trot; Jazz-Bo's Carolina Serenaders **Lonesome Mama Blues**—Fox Trot; Jazz-Bo's Carolina Serenaders	.80 .75
752	**'Neath The South Sea Moon**—Medley. Intro: **"I ist'ning On Some Radio"** From Ziegfeld Follies of 1922—Fox Trot; Arthur Lange's Orchestra **Rose of Bombay**—Fox Trot; Arthur Lange's Orchestra	.80 .75
755	**Georgette**—Fox Trot; Harmograph Dance Orchestra **It's Up to You (J'en Ai Marre)**—Fox Trot Harmograph Dance Orchestra	.80 .75
756	**Parade of the Wooden Soldiers (La Parade De Soldats De Bis)** From "La Chauve-Souris"—Fox Trot, Golden Gate Orchestra **Say It While Dancing**—Fox Trot; Golden Gate Orchestra	.80 .75
757	**The Sneak**—Fox Trot; Harmograph Dance Orch. **Two Little Wooden Shoes** From the Musical Production "Spice of 1922"—Fox Trot; Broadway's Favorite Orch.	.80 .75
761	**One Night in June**—Fox Trot; Glantz and His Orchestra **Baby Blue Eyes**—Fox Trot; Glantz and His Orchestra	.80 .75
[illegible]	**Lady of the Evening**; (Intro. **Mont Marte**) Fox Trot The Harmograph Dance Orchestra **Crinoline Days**—Fox Trot; The Harmograph Dance Orchestra	.80 .75
764	**Red Moon**—Waltz; Prince's Dance Orchestra **A Kiss in the Dark**—Waltz; Prince's Dance Orchestra	.80 75
765	**Bees Knees**—Fox Trot; The California Ramblers **Teddy Bear Blues**—Fox Trot; The California Ramblers	.80 .75
766	**Dumbell**—Fox Trot; Samuel's Music Masters **I'm Through Shedding Tears**—Fox Trot; Samuel's Music Masters	.80 75
768	**Three O'Clock in the Morning**—Waltz, The Harmograph Dance Orchestra **Call Me Back Pal O'Mine**—Waltz; The Harmograph Dance Orchestra	.80 75

CLASSIFIED LIST

DANCE RECORDS—Continued

No.		Each
734	**Leave Me With a Smile**—Fox Trot; Harmograph Dance Orchestra **The Sheik (Of Araby)**—Fox Trot; Harmograph Dance Orchestra	$0 80 .75
736	**I Love—She Loves Me**—Fox Trot; Velvetone Dance Orchestra **Lovable Eyes**—Fox Trot; Velvetone Dance Orchestra	80 .75
737	**Do It Again**—Fox Trot; Arthur Lange's Orchestra **Step On It Blues**—Fox Trot; Kentucky Favorites	80 75
741	**Dancing Fool**—Fox Trot; Arthur Lange's Orchestra **A Bunch of Keys**—Fox Trot; Kentucky Favorites	.80 75
743	**Kicky Koo You For Me**—Fox Trot; Harmograph Dance Orchestra **No Use Crying**—Fox Trot; Harmograph Dance Orch.	.80 .75
744	**State Street Blues**—Fox Trot; Harmograph Dance Orchestra **Haunting Blues**—Fox Trot; Harmograph Dance Orchestra	80 .75
746	**Pick Me Up and Lay Me Down in Dear Old Dixieland**—Fox Trot; Harmograph Dance Orchestra **By the Sapphire Sea**—Fox Trot; Harmograph Dance Orchestra	80 .75
748	**Good-Bye Shanghai**—Fox Trot; Harmograph Dance Orchestra **Just a Little Love Song**—Fox Trot; Harmograph Dance Orchestra	.80 75
750	**Hopeless Blues**—Fox Trot; Jazz-Bo's Carolina Serenaders **Lonesome Mama Blues**—Fox Trot; Jazz-Bo's Carolina Serenaders	.80 .75
752	**'Neath The South Sea Moon**—Medley. Intro: **"I ist'ning On Some Radio"** From Ziegfeld Follies of 1922—Fox Trot; Arthur Lange's Orchestra **Rose of Bombay**—Fox Trot; Arthur Lange's Orchestra	.80 .75
755	**Georgette**—Fox Trot; Harmograph Dance Orchestra **It's Up to You (J'en Ai Marre)**—Fox Trot Harmograph Dance Orchestra	80 .75
756	**Parade of the Wooden Soldiers (La Parade De Soldats De Bis)** From "La Chauve-Souris"—Fox Trot, Golden Gate Orchestra **Say It While Dancing**—Fox Trot; Golden Gate Orchestra	.80 .75
757	**The Sneak**—Fox Trot; Harmograph Dance Orch. **Two Little Wooden Shoes** From the Musical Production "Spice of 1922"—Fox Trot; Broadway's Favorite Orch.	.80 .75
761	**One Night in June**—Fox Trot; Glantz and His Orchestra **Baby Blue Eyes**—Fox Trot; Glantz and His Orchestra	.80 .75
[illegible]	**Lady of the Evening**; (Intro. **Mont Marte**) Fox Trot The Harmograph Dance Orchestra **Crinoline Days**—Fox Trot; The Harmograph Dance Orchestra	.80 .75
764	**Red Moon**—Waltz; Prince's Dance Orchestra **A Kiss in the Dark**—Waltz; Prince's Dance Orchestra	.80 75
765	**Bees Knees**—Fox Trot; The California Ramblers **Teddy Bear Blues**—Fox Trot; The California Ramblers	.80 .75
766	**Dumbell**—Fox Trot; Samuel's Music Masters **I'm Through Shedding Tears**—Fox Trot; Samuel's Music Masters	.80 75
768	**Three O'Clock in the Morning**—Waltz, The Harmograph Dance Orchestra **Call Me Back Pal O'Mine**—Waltz; The Harmograph Dance Orchestra	.80 75

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE

LATERAL CUT RECORDS

HARMOGRAPH

CLASSIFIED LIST

VOCAL RECORDS

No.			Each
735	**Georgia Rose**—Tenor Solo; Irving Kaufman **Weep No More My Mammy**—Tenor Solo; Irving Kaufman	$0 80	75
740	**Smilin' Through**—Tenor Solo; Charles Harrison **In Maytime I Learned to Love**—Tenor Solo Charles Harrison	80	75
753	**Mary Dear Some Day We Will Meet Again** Male Quartette; The Big Four Quartette **Little Sunshowers**—Male Quartette; The Big Four Quartette	80	.75
758	**I've Got What It Takes But It Breaks My Heart to Give It Away**— **From "Plantation Revue" Vocal Blues** Lucille Hegamin & Her Bang Up Six from Georgia **Can't Get Lovin' Blues**—Vocal Blues Lucille Hegamin & Her Bang Up Six from Georgia	80	.75
760	**Away Down East in Maine**—Tenor Solo; Irving Kaufman acc. by Novelty Orch. played in Dance Tempo. **Y-Y-You Tell Her I S-S-Stutter**—Vocal Duet Orch. acc.—Jones & Hare	80	75
767	**Tomorrow**—Tenor Solo; Arthur Hall acc. by Novelty Orch. Played in Dance Tempo **Homesick**—Tenor Solo; Irving Kaufman, Orch. Accompaniment	.80	.75
762	**Down Hearted Blues**—Vocal Blues; Lucille Hegamin, acc. by Her Blue Flame Syncopators **He May Be Your Man But He Comes to See Me Sometimes**—Vocal Blues Lucille Hegamin, acc. By Her Blue Flame Syncopators	80	.75
727	**Mr. Gallagher and Mr. Shean**—Comedy Song; Irving and Jack Kaufman **Pittsburgh, Pa.**—Comedy Song Irving Kaufman	.80	.75
749	**Can He Love Me Like Kelly Can**—Comedy Song; Irving Clark **On a Saturday Night**—Comedy Song; Arthur Curtis	80	75
759	**In My Home Town**—Comedy Song; Fred Hillebrand **Susie**—Comedy Song; Fred Hillebrand	80	.75
2513	**Love's Old Sweet Song**— Vocal Quartette without Orch.; Stellar Quartette **In the Gloaming**— Vocal Quartette without Orch.; Stellar Quartette	80	75
2516	**Killarney**—Tenor Solo; Walter Scanlon, Orch. Accompaniment **Soldiers of Erin** Tenor Solo Walter Scanlon, Orch. Accompaniment	80	75
2517	**Medley of Old-Time Songs—Part 1**— Stellar Quartette, Orch. Accompaniment **Medley of Old-Time Songs—Part 2**— Stellar Quartette, Orch. Accompaniment	80	.75
2518	**Caro Nome** (From "Rigoletth;" Verdi)—Coloratura Soprano Orch. Accompaniment; Regina Vicarino **Queen of Night** (From the "Magic Flute;" Mozart) Coloratura Soprano Orch. Acc.; Regina Vicarino	80	.75
2520	**Roll On Silver Moon**—Yodel Song Frank Kamplian, Orch. Accompaniment **Sleep, Baby Sleep**—Yodel Song Frank Kamplian, Orch. Accompaniment	80	.75

INSTRUMENTAL RECORDS

724	**Kawaha Waltz**—Hawaiian Guitar Duet; Ferera & Franchini **Hawaiian Twilight**—Hawaiian Guitar, Ferera & Franchini	80	.75

INSTRUMENTAL RECORDS—Continued

No.			Each
2504	**O Sole Mio**—Hiwaiian Guitar Duet; Ferera & Franchini **Rio Nights**—Hiwaiian Guitar Duet; Ferera & Franchini	$0.80	.75
2501	**Jolly Coppersmith**—March; Bergh's Band **Here They Come**—March Bergh's Band	.80	.75
2503	**Improvisation**—Violin Solo with Piano Accompanimen Richard Czerwonky **Humoresque**—Violin Solo with Piano Accompaniment Richard Czerwonky	.80	.75
2512	**Coronation March** (From the Prophet)— Metropolitan Concert Band **Aida March** (From G. Verdi's Opera— Metropolitan Concert Band	.80	75
2514	**Medley of Southern Melodies**—Banjo Solo; Fred **Dixie Medley**—Banjo Solo, Van Eps	80	75
2515	**Saxophobia**—Saxophone Solo; Rudy Weidoeft **Souvenir of Switzerland**—Cornet Solo, Pietro Capodifferro	80	.75
2519	**Swanee River**—Violin Solo, Richard Czerwonky **Nobody Knows De Trouble I've Seen**—Violin Solo Richard Czerwonky	.80	.75

HUMOROUS RECORDS

727	**Mr. Gallagher and Mr. Shean**—Comedy Song; Irving and Jack Kaufman **Pittsburgh, Pa.**—Comedy Song; Irving Kaufman	80	75
749	**Can He Love Me Like Kelly Can**—Comedy Song; Irving Clark **On a Saturday Night**—Comedy Song; Arthur Curtis	80	.75
759	**In My Home Town**—Comedy Song; Fred Hillebrand **Susie**—Comedy Song; Fred Hillebrand	.80	75
2505	**Laughing Record**— Bee Kerwin, Arthur Hall, Samuel Glenn & A. Schubert **The Girl I Kissed on the Stairs**—Musical Monologue Axel Christensen	.80	.75

SACRED RECORDS

2502	**Lead Kindly Light**—Vocal Trinity Quartette **The Lord is My Shepherd**—Vocal Duet; Lenox & Roberts	.80	.75

NOVELTY RECORDS

2505	**Laughing Record**—Bee Kerwin, Arthur Hall, Samuel Glenn & A. Schubert **The Girl I Kissed on the Stairs**—Musical Monologue Axel Christensen	.80	.75

GERMAN RECORDS

4001	**Bummel-Petrus** Blasorchester mit Gesang **Mariechen Suss Weinend Im Garten** Blasorchester mit Gesang	.80	.75

RECORDS BY COLORED ARTISTS

758	**I've Got What It Takes But It Breaks My Heart to Give It Away**; From "Plantation Revue"—Vocal Blues; Lucille Hegamin and Her Bang Up Six from Georgia **Can't Get Lovin' Blues**—Vocal Blues, Lucille Hegamin and Her Bang Up Six from Georgia	.80	.75
762	**Down Hearted Blues**—Vocal Blues; Lucille Hegamin, acc. by her Blue Flame Syncopators **He May Be Your Man, But He Comes to See Me Sometimes**—Vocal Blues; Lucille Hegamin, acc. by her Blue Flame Syncopators.	80	.75

SEND FOR OUR RECORD CATALOG, REVISED MONTHLY, SHOWING ALL THE LATEST HITS

WASHING MACHINES

★NORLEIGH DIAMOND

TRADE MARK REGISTERED ★ IN THE U. S. PAT. OFFICE.

WATER POWER

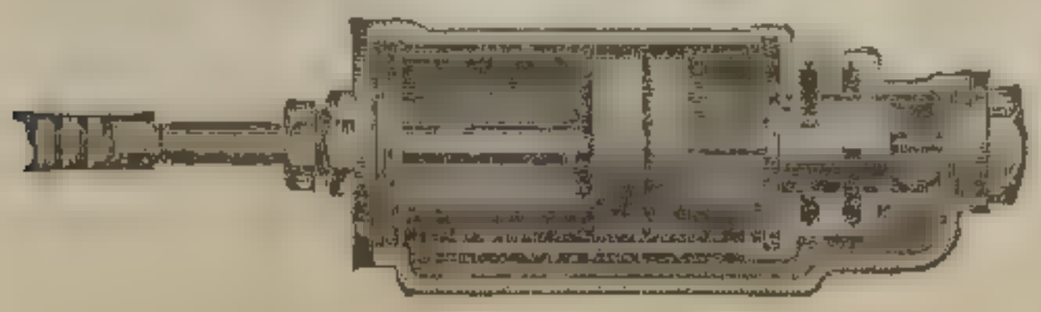
The Motor, which is Very Simple, is the Most Powerful Made for this Purpose; Entire Motor, Including the Port and All Waterways is a **Solid Bronze Casting** Without Joints and Needs no Packing; Faulty Packing is the General Source of Trouble in other Motors; the Action of the Valve is Automatic; Cylinder Head Screws in Absolutely Tight; the Piston Rod is of Solid Brass; a Double Flanged Gear Cap Entirely Covers the Gears, Preventing Accidents; Extra Heavy Cast Bronze Hose Connections; Broad Cast Iron Motor Base of Our Own Design Gives Added Security to Fastening.

The Tub is Made of Waterproof Long Grained Cypress Wood, Malachite Green Finish, Varnished; the Inside is Corrugated Around Sides and Bottom Giving a Perfect Rubbing Surface; the Motor being Light in Weight, Little Effort is Required to Lift the Cover; the Extension Stave Legs are Strongly Braced and will Never Become Shaky.

Each

No. 55—Inside Dimensions, Diameter at Bottom 23 inches, at Top 20 inches, Depth 12½ inches, Height to Top of Tub 29 inches, Height Over All 34 inches; Length of Wringer Board 15½ inches; Tub Finished in Malachite Green, Varnished; Hoops, Hinges, Clasp, Etc., Gold Bronzed; Motor Finished in Red Enamel; Motor Frame, Black Japanned; Complete with Intake and Discharge Hose; Weight Each, 70 lbs..... **$32.00**
One in a Crate

WATER MOTORS
For No. 55 Norleigh Diamond Water Power Washing Machines



Each

No. ND55M—Consists of Motor, Shaft, Pin Wheel and Hose; All Ready to Attach to Tub..... **$23.00**
One in a Box

Norleigh Diamond Washing Machines are Sold Only to the Best Retail Trade, Insuring the Merchant Against Unfair Competition.

WASHING MACHINES

★NORLEIGH DIAMOND

TRADE MARK REGISTERED ★ IN THE U. S. PAT. OFFICE.

BALL BEARING—HIGH SPEED
Details of Tub Construction

Tub—Tub Made of Best Quality Selected Southern Cypress. Inside Corrugations. Cypress will Last Longer and Give Better Satisfaction in a Washing Machine than Any Other Wood. The Tub is Finished Nicely in Natural Wood Finish with a Good Quality of Varnish and is Very Strong in Construction, the Stave Legs Being Well Braced to Prevent Leakage.

All Gears are Underneath the Tub where they are Entirely Out of the Way; no Danger of Catching or Tearing Clothing.

On account of the Special Ball Bearing, Together with the Double Lever and Walking Beam Construction, this Washing Machine Actually Does Run Easier when Loaded Than Any Other High Speed Washer.

Note—This Machine can be Operated Either in a Sitting or Standing Position. Operating Handle is Provided at Lower End with a Metal Stirrup so that Both Hand and Foot Power May be Applied.

Mechanical Principle—The Novel Mechanical Principal of Construction, that is the Double Lever with Walking Beam Connection, not only Equalize the Power, but give Greater Speed to the Agitator than Any Other High Speed Washing Machine.

Ball Bearing—The Ball Bearing Used is Simple, Set up in Vaseline, so that it will not Need Oiling for Years and is Without Question the Easiest Running Bearing Used on a Washing Machine. It is Simple and Cannot Get Out of Order.

Balance Wheel—Extra Heavy; This Part of the Mechanism Actually Takes Off the Major Portion Muscle Power Required to Operate the Old Style, Low Speed Washer.

Castings—All Castings Made of Best Quality Steel, and Every Metal Part of the Machine is not Only Carefully Made and Extra Heavy and Strong, but is Finished with the Electro Galvanizing or Sherardizing Process This Finish Does not Peel or Crack as Paint will Do and Effectually Prevents Rust.

Each

No. 22—Inside Dimensions—Diameter at Bottom 23 inches, at Top 20 inches; Depth 12¾ inches; Height to Top of Tub 28½ inches; Height Over All 44½ inches; Length of Wringer Board 15½ inches, Tub Made of Best Quality Cypress, Natural Finish and Varnished; Inside Corrugated, Giving a Perfect Rubbing Surface; All Metal Parts Electro Galvanized Finish, Legs Securely Bolted to Body and Strengthened by Heavy Cross Braces..... **$36.00**
One in a Crate; Weight Crated 100 lbs.

TRADE MARK REGISTERED IN THE U. S. PAT OFFICE.

WASHING MACHINES
HORTON ELECTRIC

WITH NEW THREE-WAY WRINGER

Tub Made of the Highest Grade Louisiana Red Cypress and Fully Corrugated Inside by a Special Process to Avoid Splinters.

All Driving Gears are Machine Cut Instead of Cast All Exposed Gears are Covered to Prevent Accident

Equipped with a Special Two Roll Reversible Ball-bearing Wringer and has a Patented Device to Prevent Injury. A Simple Movement of Hand Swings Wringer from One Position to Another to Enable Wringing Between Tubs and Basket.

Was Specially Designed for Wayne Motor with Ample Power to Operate Washer and Wringer at the Same Time; Best Grade of Tannate Belt Used; Natural Finish with the Mechanism Gold Bronzed Fly Wheel and Hoops Green Enamel, Machine is Equipped with Heavy Ball Bearing Casters, Making it Extremely Easy to Move Around

Hardwood Dolly with Four Extra Large Pegs and Guarded Post; Clothes Cannot Tear; Brass Drain Faucet, Threaded and on Bottom of Tub; Can Also be Operated by Hand in Case of Temporary Trouble with Electricity; Completely Set Up.

Each

No. 32 Electric; 110 Volt Alternating Current Weight 200 lbs **$120 00**

NOTE—If any Other Current or Voltage is Wanted, We can Furnish Promptly by Shipping Direct from Factory, Ft. Wayne, Ind., N. F. A. One in a Crate

HORTON POWER

A Combined Washing and Wringing Machine.

All Driving Gears are Cut Instead of Just Cast. All Exposed Gears are Covered to Prevent Accident.

No Tight or Loose Pulleys Required as the Pulley Wheel Stays in Position when Lid is Opened.

By Having a **FLY WHEEL** on Hand, Which Interchanges with the Pulley Wheel, the Machine and Wringer can be Operted by Hand.

Equipped with a Special Two-roll Reversible Ball-bearing Wringer and has a Patented Device to Prevent Injury. A Simple Movement of the Hand Swings the Wringer from One Position to Another to Enable Wringing Between Tubs and Basket.

Hardwood Dolly with Four Extra Large Pegs and Guarded Post.

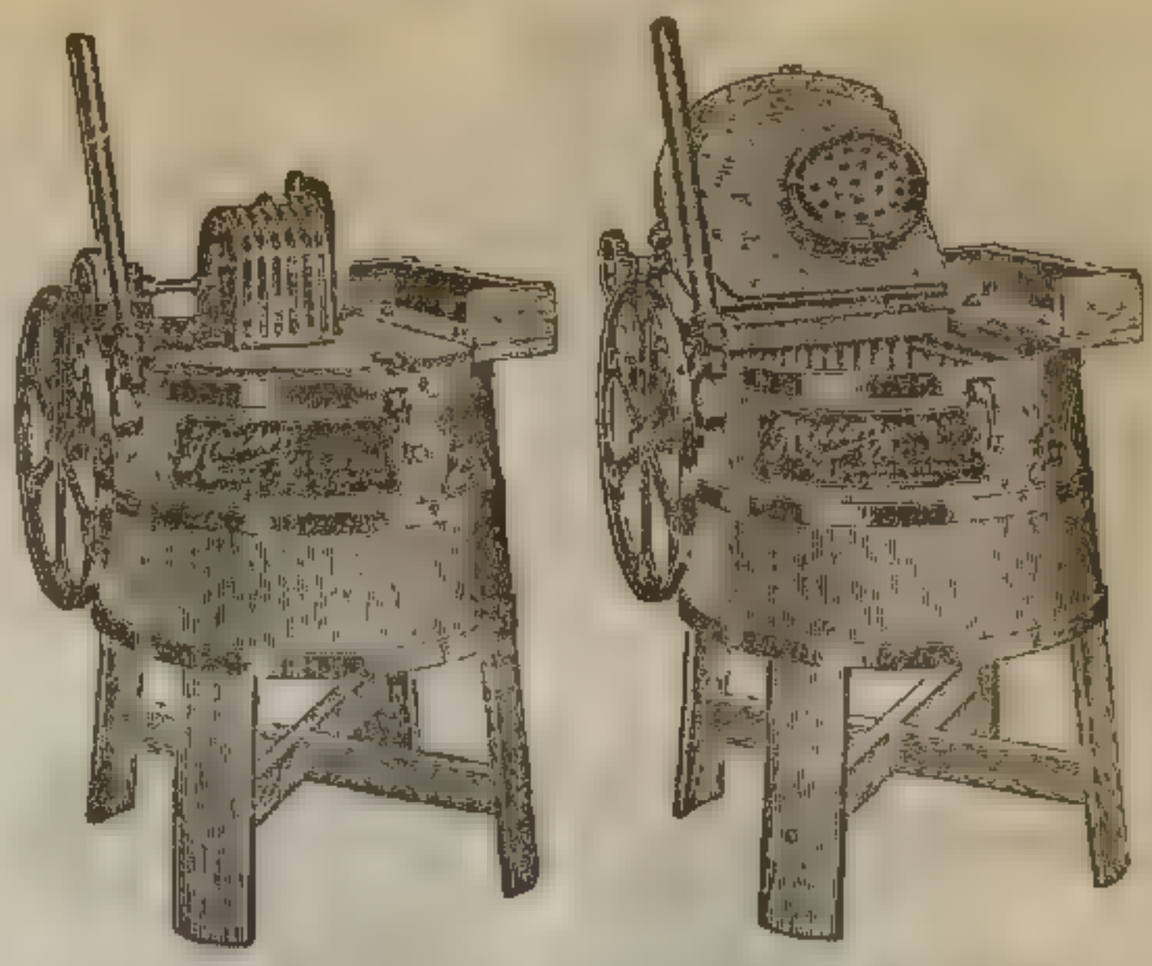
Brass Drain Faucet, Threaded and on Bottom of Tub; The Tub is Made of Louisiana Red Cypress, Natural Finish; Ball Bearing Wringer, Rolls, 2¼x18 Inches; Guaranteed Five Years.

Each

No. 31—Power: For any Kind of Belt Power; Weight 175 lbs..... **$70.00**

One in a Crate

WASHING MACHINES
HORTON VACUUM



In This Washer the Plunger, or Agitator, Does 50% More Work with the Same Effort than on Other Machines, Because it Makes 2½ Strokes to Each Stroke of the Operating Lever. This High Speed is Made Possible by the Frictionless Cut Gears and the Well Balanced Mechanism.

Each One of the Many Perforations Acts as a Valve to Let in Air for Suction Each Time the Plunger is Raised Out of the Water.

So Much Agitation is Produced by this High Speed Method, that the Lid of the Machine Must be Securely Closed to Keep the Water and Suds in the Tub.

There are More Real, Common-sense Features in the **Horton Vacuum** Than in Any Hand-power Washer on Earth. It Does the Work Speedily and Noiselessly No Matter How Big the Load.

Anybody can Operate the **Horton Vacuum.** The Operating Lever can be Placed in Either of Two Positions, Suitable for Either Child or Grown Person.

Mechanism Driving Gears are CUT Instead of Cast, Causing the Teeth to Mesh Perfectly and Reduces Friction to a Minimum It also Makes the Machine Run Much Easier, Perfectly Noiseless, and it Will Wear Much Longer.

Tub—The Tub is Made of the Highest Grade Louisiana Red Cypress (the Wood Eternal), Thoroughly Seasoned. It is Made Larger on Account of the Easy Running Mechanism, Enabling the Work to be Done Much More Quickly. It is Fully Corrugated on the Inside by a Special Process to Avoid Splinters.

Finish—The Mechanism (Except the Fly Wheel) is Gold Bronzed. The Fly Wheel and Hoops are Green Enameled. The Tub has Three Coats of Coach Varnish and the Name is on a Beautiful Decalcomania Transfer. These Combinations Give the Entire Machine the Appearance of Parlor Furniture.

Each

No. 35—Weight Crated, 95 lbs..... **$29.00**

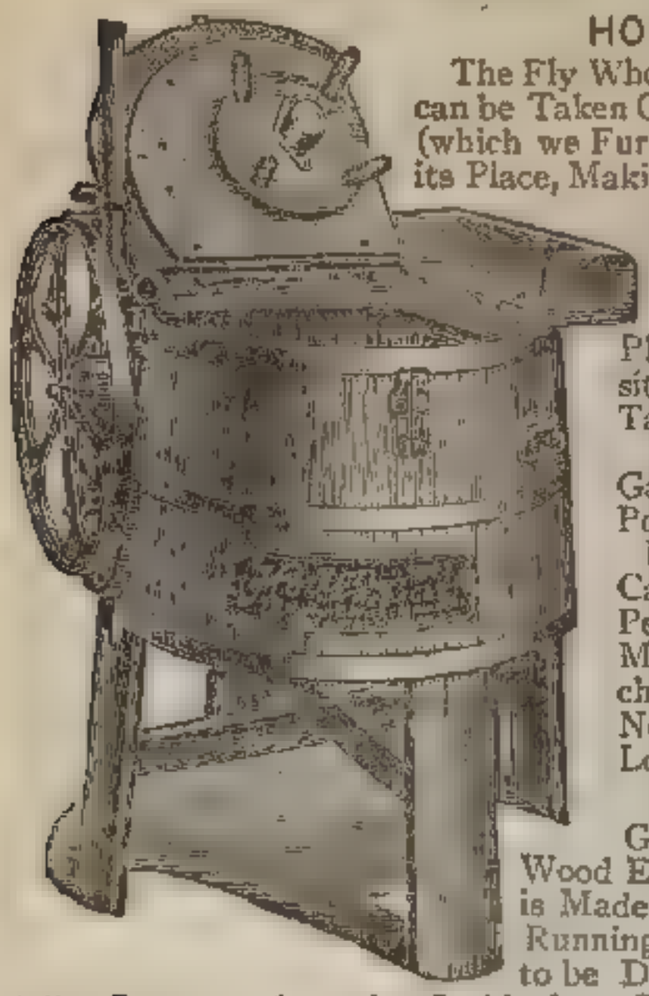
One in a Crate

A CUSTOMER LOST IS A SERIOUS MATTER. YOU DO NOT KNOW WHAT THE RESULT WILL BE.

KEEP YOUR STOCK UNBROKEN BY FREQUENT MAIL ORDERS AND DO NOT LOSE TRADE BY BEING OUT OF NECESSARY ARTICLES.

WASHING MACHINES

HORTON MIRACLE



The Fly Wheel on the Regular Miracle Washer can be Taken Off Instantly and a Pulley Wheel (which we Furnish at Small Cost) can be Put in its Place, Making a Gasoline Engine Power Machine. And the Belt Need not be Removed Each Time Lid is Opened.

The Operating Lever can be Placed in Either One or Two Positions Convenient for a Short or Tall Person, Adult or Child.

The Dolly Post is Guarded by a Galvanized Cup, Eliminating all Possibility of Tearing Clothes.

Driving Gears are Cut Instead of Cast, Causing the Teeth to Mesh Perfectly and Reduces Friction to a Minimum. It also Makes the Machine Run Much Easier, Perfectly Noiseless, and it will Wear Much Longer.

The Tub is Made of the Highest Grade Louisiana Red Cypress (the Wood Eternal), Thoroughly Seasoned. It is Made Larger on Account of the Easy Running Mechanism, Enabling the Work to be Done Much More Quickly. It is fully Corrugated on the Inside by a Special Process to Avoid Splinters.

The Mechanism (Except the Fly Wheel) is Gold Bronzed. The Fly Wheel and Hoops are Green Enameled. The Tub has Three Coats of Coach Varnish and the Name is on a Beautiful Decalcomania Transfer. These Combinations Give the Entire Machine the Appearance of Parlor Furniture.

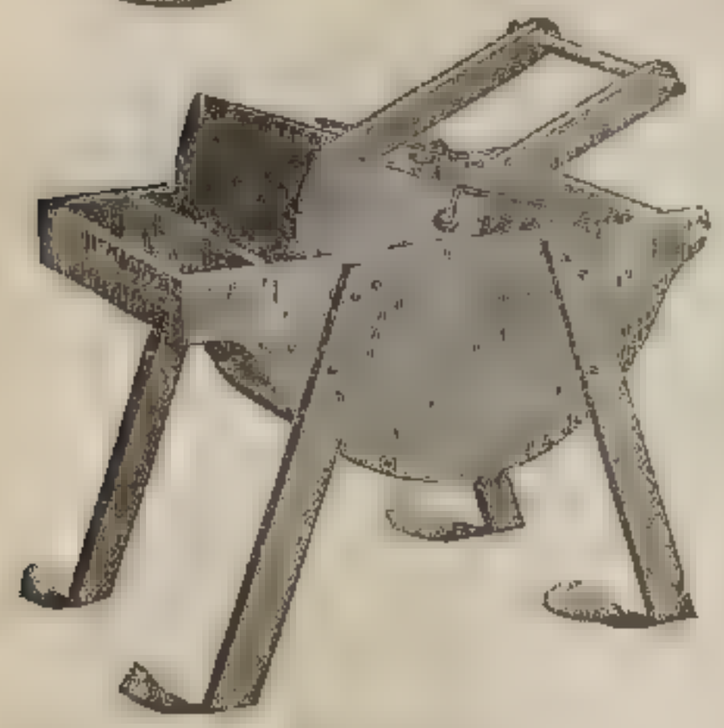
	Each
No. HM22—Weight Each 100 lbs.	$27.00

One in a Crate

POWER PULLEYS

	Each
Extra Power Pulleys for No. HM22 Washing Machines	$4 00

Loose



OPEN TOP

Galvanized Steel Bottom with Removable Bottom Rubber; Improved Wood Rubber; Aluminum Bronzed Castings. Inside Dimensions; Length 29 inches, Width 18½ inches; Height Over All 40 inches Oak Legs, Securely Bolted

	Each
No. O—Weight, Each, 40 lbs.	$13.50

One in a Crate

CLOTHES WASHERS

RAPID

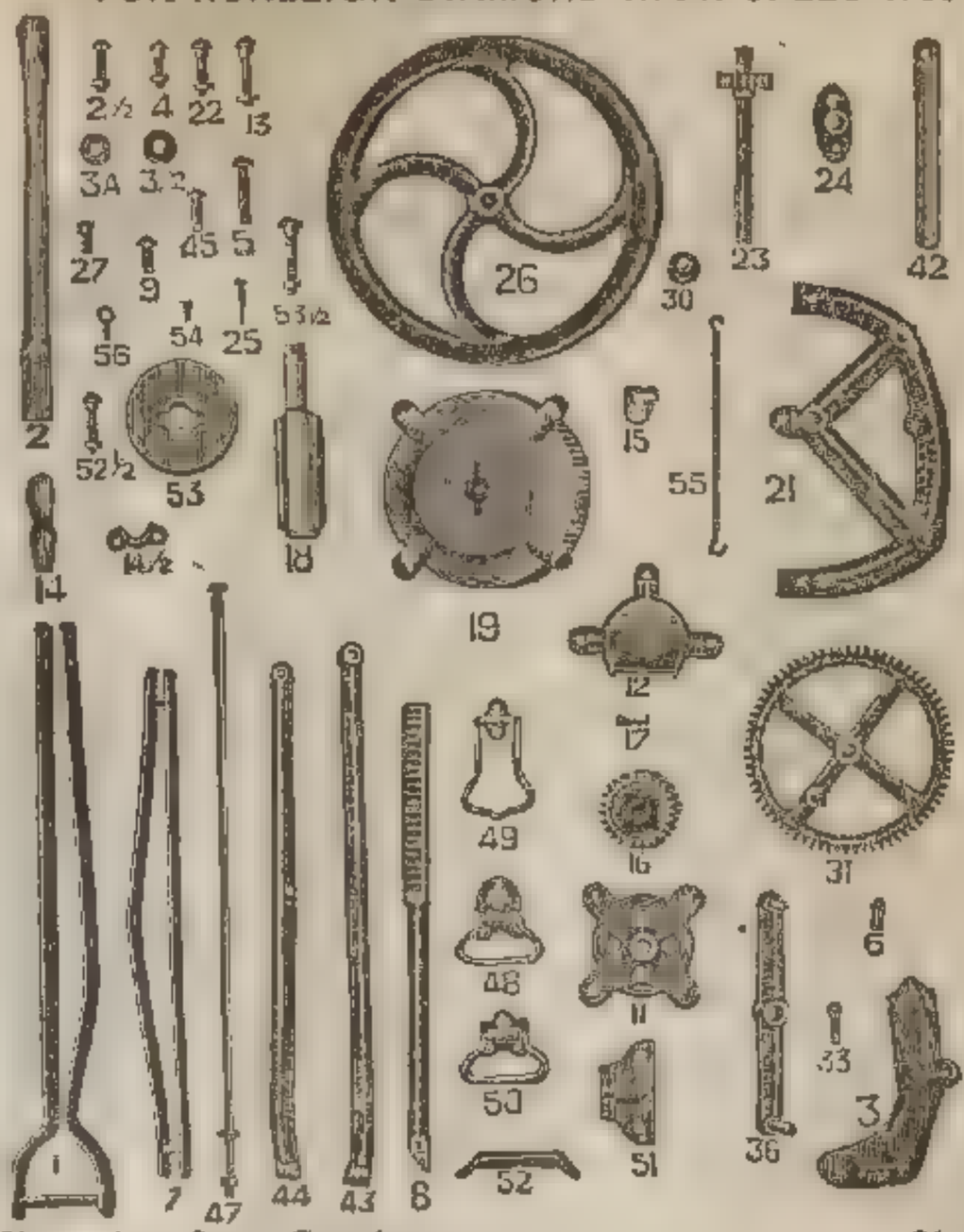
Makes Clothes Washing Easy. Saves the Knuckles, Saves the Clothes, Saves One-half the Soap. Just the thing for Washing Curtains and Other Delicate Fabrics. The Heavy Part of the Washing is Quickly Done by Placing the Clothes, or Fabric, to be Washed in a Tub of Water or Suds (the Water can be Boiling Hot), and Agitating the Water by a Vertical Motion of the Washer. Fifteen Minutes Time to a Tub of Clothes. This Forces the Water Through the Fabric, and Removes the Dirt.

	Per Dozen
No. R—Made of Bright Tin Plate; Very Strong and Durable; All Edges Rounded, No Sharp Edges to Tear Clothes or Fabrics; 40inch Natural Finish Hardwood Handle; 4 inch Nib Handle Bolted to Large Handle; Length Over All 48 inches; Weight per Dozen 25 lbs.	$14.50

Loose

WASHING MACHINE PARTS

FOR NORLEIGH DIAMOND HIGH SPEED NO. 22

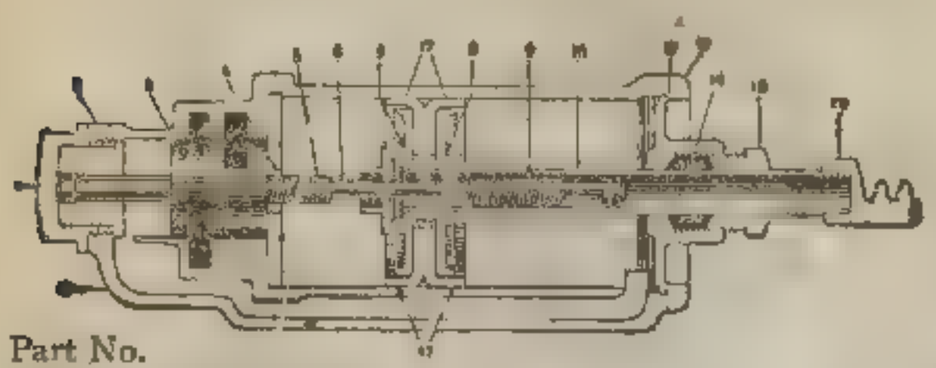


			Each
No.	1	—Lever Complete	$1.60 $0.90
No.	2	—Lever Handle	.25 .15
No.	2½	—Lever Handle Bolt and Nut	.20 .10
No.	3	—Lever Bracket	1.10 .60
No.	3A	—Lever Bracket Bolt Rubber Washer	.10 .05
No.	3½	—Lever Bracket Bolt Steel Washer	.05 .02
No.	4	—Lever Bracket Bolt and Nut	.10 .05
No.	5	—Lever Bracket Clevis Pin	.10 .05
No.	6	—Cotter Pin	.05 .02
No.	7	—Dolly Lever Complete	1.40 .80
No.	8	—Dolly Rack	1.50 .85
No.	9	—Clevis Pin	.10 .05
No.	11	—Dolly Gear Bracket	.40 .25
No.	12	—Dolly Gear Bracket Cover	.25 .15
No.	13	—Dolly Gear Bracket Cover Bolt & Nut	.10 .05
No.	14	—Waste Plug	.10 .05
No.	14½	—Waste Spout	.10 .05
No.	15	—Dolly Rack Guide	.20 .10
No.	16	—Dolly Gear	.60 .35
No.	17	—Dolly Gear Shaft Cotter	.05 .02
No.	18	Dolly Shaft Complete	.85 .50
No.	19	—Wood Dolly	3.40 2.00
No.	21	Lower Gear Bracket	1.70 1.00
No.	22	—Lower Gear Bracket Bolt and Nut	.10 .05
No.	23	Lower Gear Shaft Complete	.60 .35
No.	24	—Lower Gear Shaft Top Bracket	.20 .10
No.	25	—Wood Screw No. 11x¾	.05 .02
No.	26	—Lower Gear Fly Wheel	3.40 2.00
No.	27	—Lower Gear Fly Wheel Set Screw	.10 .05
No.	30	—Lower Gear Shaft Ball Bearing	.10 .05
No.	31	—Lower Pitman Gear and Stud	1.40 .80
No.	33	—Lower Gear Stud Cotter	.05 .02
No.	36	—Lower Pitman Lever Beam with Studs	1.10 .65
No.	42	—Lower Pitman	25 .15
No.	43	—Lower Lever Connection	1.20 .70
No.	44	—Lower Dolly Lever Connection	1.20 .70
No.	47	—Tub Tie Bolt, Nut and Washer	.30 .20
No.	47½	—Tub Tie Bolt Washer	.05 .02
No.	48	—Tub Handle Lock Side	.20 .10
No.	49	—Tub Cover Catch	.20 .10
No.	[illegible]	—Tub Handle	20 .10
No.	51	—Tub Hinge	.20 .10
No.	52	—Wringer Board Bracket	.10 .05
No.	52½	—Hinge Bolt and Nut	.20 10
No.	53	—Dolly Plate	.25 .15
No.	53½	—Wringer Board Bolt and Nut	.20 .10
No.	54	—Wringer Bolt Screw	.05 02
No.	55	—Balance Spring	25 15
No.	56	—Balance Spring Screw Eye	.05 .02
No.	58	—Wringer Box	.85 .50

TRADE MARK REGISTERED IN THE U. S. PAT OFFICE.

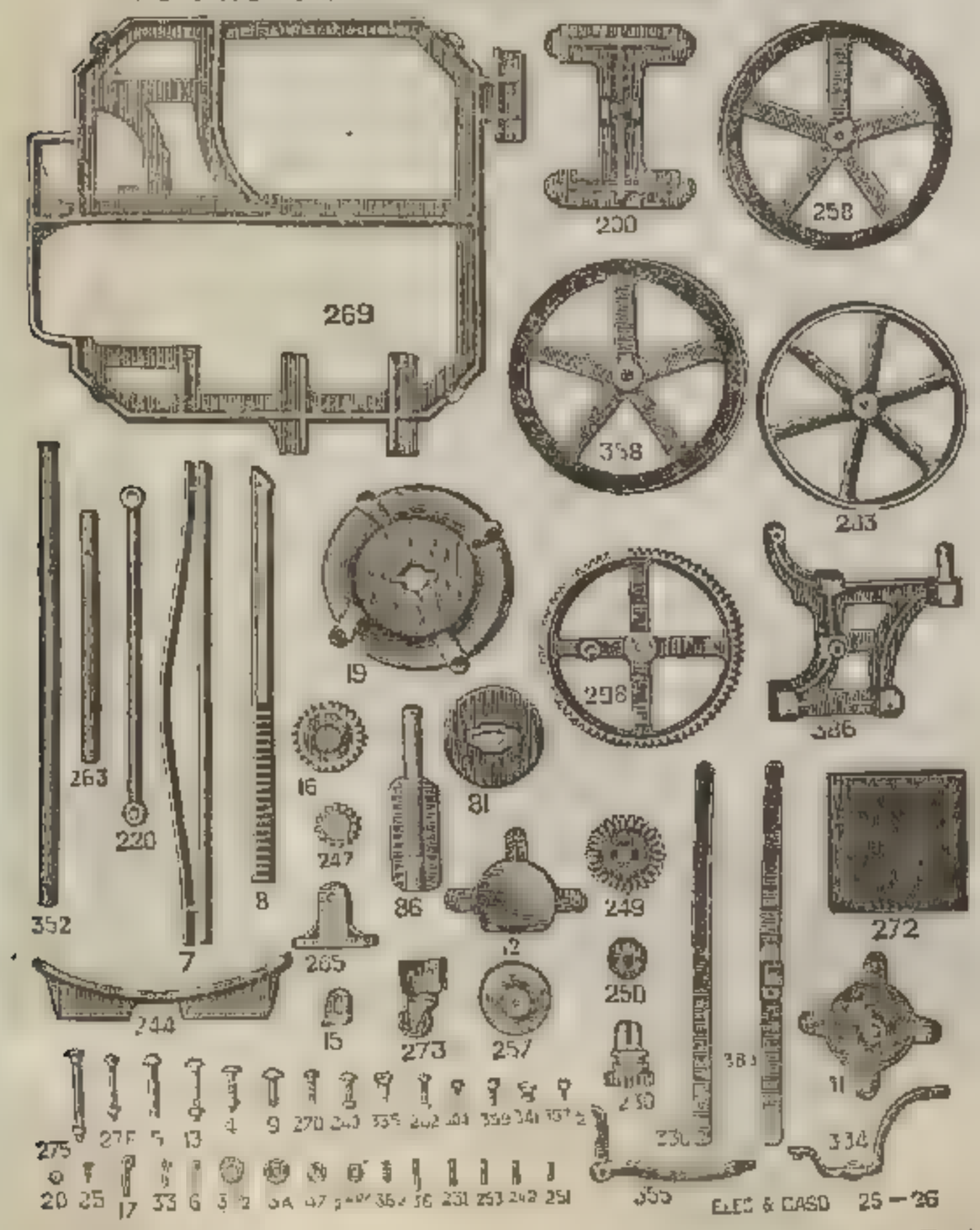
WASHING MACHINE PARTS

FOR NORLEIGH DIAMOND NO. ND55 WATER POWER



Part No.		FOR No. ND55 WATER POWER	Each
✣No	1—Valve Plug	$1.10	.60
✣No	2—Vellumoid Gasket	.10	.05
✣No.	3—Valve	2.20	1.30
✣No.	4—Valve Nut	.35	.20
✣No.	5—Spring	.20	.10
✣No.	6—Valve Stem	.25	.15
✣No.	7—Female Flange	.40	.25
✣No.	8—Male Flange	.40	.25
✣No.	9—Spring	.25	.15
✣No.	10—Piston Tubing	.35	.20
✣No.	11—Long Spring	.35	.20
✣No.	12—Vellumoid Head Gasket	10	.05
✣No.	13—Cylinder Head	2 10	1.20
✣No.	14—Piston Packing	10	.05
✣No.	15—Gland Nut	25	.15
✣No.	16—Rack	1 10	.60
✣No.	17—One Set of Leather Cups	1 10	.80
✣No.	18—Cylinder	10 60	6.20
✣No.	20—Base	2 10	1.20
✣No.	21—Gear Cover	60	.35
✣No.	22—Gear	.40	.25
✣No.	23—Roller	.25	.15
✣No	198—Dasher	.85	.50
✣No.	186—Dasher Post	.70	.40
✣No.	187—Dasher Plate	.25	.15
✣No.	199—Dasher Post Cap	.40	.25
	Loose		

FOR NORLEIGH DIAMOND NOS. 66 AND 76



		Each
No. 200	—Dolly Lever Bracket	$2.20 $1.30
No. 4	—Dolly Lever Bracket Bolt and Nut	.10 .05
No. 3A	—Dolly Lever Bracket Washer Rubber	.10 .05

WASHING MACHINE PARTS

FOR NORLEIGH DIAMOND NOS. 66 AND 76

		Each
No. 3½	—Dolly Lever Bracket Washer	$0.05 .02
No. 5	—Dolly Lever Bracket Clevis Pin	.10 .05
No. 6	—Dolly Lever Bracket Clevis Pin Cotter	.05 .02
No. 7	—Dolly Lever Complete	1.40 .80
No. 8	—Dolly Lever Rack	1.50 .85
No. 9	—Dolly Lever Rack Clevis Pin	.10 .05
No. 11	—Dolly Gear Bracket	.40 .25
No. 12	—Dolly Gear Bracket Cover	.25 .15
No. 13	—Dolly Gear Bracket Bolt and Nut	.10 .05
No. 15	—Dolly Gear Rack Guide	.20 .10
No. 16	—Dolly Gear	.60 .35
No. 17	—Dolly Gear Shaft Cotter	.05 .02
No. 19	—Wood Dolly	1.30 .75
No. 80	—Dolly Rack Guide Fibre	.05 .02
No. 81	—Wood Dolly Plate	.25 .15
No. 86	—Wood Dolly Plate Wood Screw	.05 .02
No. 96	—Wood Dolly Shaft Complete	.90 .50
No. 220	—Driving Pitman	1.10 .65
No. 33	—Driving Pitman Gear Stud Cotter	.05 .02
No 298	—Driving Pitman Gear Complete	1 70 1.00
No. 230	—Driving Pinion Clutch	1.10 .65
No. 242	—Driving Pinion Clutch Pin	.05 .02
No. 334	—Driving Pinion Clutch Shifting Arm	.40 .25
No. 335	—Driving Pinion Clutch Shifting Arm Fulcrum Screw	.20 .10
No. 336	—Driving Pinion Clutch Shifting Lever	.50 .30
No. 341	—Driving Pinion Clutch Shifting Lever Screw	.10 .05
No. 303	—Driving Pinion Clutch Shifting Lever Screw Nut	.05 .02
No. 244	—Shifting Lever Retaining Bracket	.90 .50
No. 240	—Shifting Lever Retaining Bracket Bolt	.10 .05
No. 250	—Wringer Reversing Clutch	.40 .25
No. 251	—Wringer Reversing Clutch Pin	.05 .02
No. 355	—Wringer Reversing Clutch Shifting Arm	.40 .25
No. 383	—Wringer Reversing Clutch Shifting Lever Complete	.70 .40
No. 361	—Wringer Reversing Clutch Shifting Lever Stop Plunger	.10 .05
No. 362	—Wringer Reversing Clutch Shifting Lever Stop Plunger Spring	.10 .05
No. 386	—Drive and Wringer Gear Bracket Complete	4.30 2.50
No. 304	—Drive and Wringer Gear Bracket Bolt and Nut	.20 .10
No. 249	—Wringer Drive Clutch Bevel Gear	.70 .40
No. 352	—Wringer Drive Shaft	1 30 .75
No. 253	—Wringer Drive Shaft Pin	.05 .02
No. 265	—Wringer Drive Shaft Bracket	.40 .25
No. 257	—Wringer Drive Small Grooved Pulley	.70 .40
No. 357½	—Wringer Drive Small Grooved Pulley Set Screw	.10 .05
No. 358	—Wringer Drive Large Grooved Pulley	3.00 1.75
No. 359	—Wringer Drive Large Grooved Pulley Set Screw	.20 .10
No. 263	—Driving Shaft	.75 .45
No. 253	—Driving Shaft Pin	.05 .02
No. 247	—Driving Shaft Bevel Pinion	.40 .25
No. 231	—Driving Shaft Bevel Pinion Pin	.05 .02
No. 265	—Driving Shaft Bracket	.40 .25
No. 304	—Driving Shaft Bracket Bolt and Nut	.20 .10
No. 287	—Driving Shaft Bracket Bolt Spring Washer	.05 .02
No. 258	—Driving Shaft Grooved Pulley	3.00 1.75
No. 259	—Driving Shaft Grooved Pulley Set Screw	.10 .05
No. 209	—Supporting Frame	7.70 4.50
No. 270	—Supporting Frame Bolt and Nut	.10 .05
No. 47½	—Supporting Frame Bolt Washer	.05 .02
No. 272	—Motor Board	.40 .25
No. 273	—Castor	.60 .35
No. 283	—Driving Pulley	3.20 1.25

SHAPLEIGH SPECIAL MOTOR BIKE

SHAPLEIGH SPECIAL BICYCLES ARE PIONEERS IN THE BICYCLE FIELD

This Grade of Bicycle is Best Recommended By Its Years of Proven Service

SPECIFICATIONS

Bearings—Balls; $\frac{1}{2}$ inch Head; $\frac{1}{16}$ inch in Crank Hanger; $\frac{1}{4}$ inch in Rear Hub; $\frac{3}{16}$ inch in Front Hub.

Chain—Roller, $\frac{3}{4}$ inch.

Connections—One Piece Drop Forged Diamond Shape Fork Crown, Nickel Plated; Forged Seat Post; Cluster Bolt and Nut Fastening

Crank Hanger—Shapleigh Special, One Piece; 7 inch Round Cranks, Highly Nickeled.

Enamel—Brown with White Head

Frame—20/18 and 22/20 inches; One inch Tubing.

Handle Bar—No. R215; No. BD Grips.

Hubs—Turned from Solid Bar Stock; Tool Steel Cones and Cups.

Motorcycle Stand—Drop Forged Channel Steel; Can be Raised or Lowered with Foot and Locks Automatically.

Pedals—Square Checkered Rubbers. No. Ideal.

Rims—One Piece, Rock Elm, Aluminum Finished with Blue and Hair Line Stripe.

Saddle—No. 27R.

Spokes—14-16 Gauge.

Sprockets—26 Tooth Front, 9 Tooth Rear; $\frac{3}{16}$ inch.

Tires—No. 1A Shapleigh Special; Non-Skid; Button Tread.

Wheels—28 inch.

Wheel Base—43 inch.

Mud Guards—Drop Side; Front and Rear; Enameled to Match Frame.

... Illustration Shows No. 361 Bicycle ...

	Each
No. 361—With Coaster Brake, Drop Side Mud Guards and Stand; Weight Each, 60 lbs.....	$53 90
No. 0361—Stripped, With Coaster Brake, Drop Side Mud Guards and Stand.....	45.20

NOTE—FOR DESCRIPTION OF TIRES SHOWN ON THIS PAGE, SEE PAGE 2437.

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE.

SHAPLEIGH SPECIAL BICYCLES

MEN'S ROAD MODEL

"ORIGINATED BY US"

This Bicycle is Acknowledged to be the Most Satisfactory Ever Sold at the Price. It is Strictly Up-to-Date. Only Good Material is Used in its Construction. Has Roller Chain, Shapleigh Special Hanger, Beautifully Enameled, Rubgy Handle Bars, Rubber Pedals and Rugby Saddle. Dealers Will Find it to Be a Great Seller

Illustration Shows No. 366B Bicycle

SPECIFICATIONS ON REGULAR MODEL

Bearings—Balls; $\frac{7}{32}$ inch in Head; $\frac{5}{16}$ inch in Crank Hanger; $\frac{1}{4}$ inch in Rear Hub; $\frac{3}{16}$ inch in Front Hub.

Chain—No. 61, $\frac{1}{16}$ inch; 1 inch Pitch Roller Chain.

Connections—One Piece Drop Forged Diamond Shape Fork Crown, Nickel Plated; Forged Seat Post; Cluster Bolt and Nut Fastening.

Crank Hanger—Shapleigh Special, One Piece, 7 inch Round Cranks, Highly Nickeled.

Enamel—Four Coats, Hand Polished; Black, with Double Hair Line Gold Stripes.

Frame—20 and 22 inch; One inch, Eighteen Gauge Tubing.

Handle Bar—No. RER Rugby Extension; No. 13LW Grips.

Hubs—Turned from Solid Bar Stock; Tool Steel Cones and Cups.

Pedals—No. 20.

Rims—One Piece, Rock Elm; Enameled to Match Frame.

Saddle—No. 10R Rugby with Truss Springs.

Spokes—14-16 Gauge.

Sprockets—26 Tooth Front, 9 Tooth Rear; $\frac{3}{16}$ inch.

Wheel—28 inch.

Wheel Base—43 inches.

COMPLETE BICYCLES

	Each
No. 366B—Regular (See Above); No. 2 High Grade Equipment; No. 3028 Good Service Single Tube Tires.	**$48.80**
No. 2B366B—No. 2B High Grade Equipment; No. 3028 Good Service Tires; See Page 2426 for Equipments.	**50 50**
No. 4366B—No. 4 High Grade Equipment; No 7028 Good Service Single Tube Tires; See Page 2426 for Equipments	**51.50**
No. 5C366B—No. 5C High Grade Equipment; No. 90 Rugby Clincher Tires; See Page 2426 for Equipments. One in a Crate; Average Weight, Crated, 50 lbs.	**55.20**

STRIPPED BICYCLES WITH COASTER BRAKE

Stripped Means Without Tires, Saddle, Pedals, Handle Bar or Tool Bag

	Each
No. 0366B—With Coaster Brake	**$39 00**

NOTE—All Above Prices Include Coaster Brake

EXTRAS

For Tool Bag, Wrench and Pump	Add **$1.00**
For Stand	Add **.80**

	Per Pair
For Guards	Add **$2 00**

NOTE—FOR DESCRIPTION OF TIRES SHOWN ON THIS PAGE, SEE PAGES 2435, 2436 AND 2437.

SHAPLEIGH SPECIAL BICYCLES

DELIVERY SERVICE MODEL

"ORIGINATED BY US"

This Bicycle is Acknowledged to Be the Most Satisfactory Ever Sold at the Price; It is Strictly Up-To-Date; Only Good Material is Used in Its Construction; Has Roller Chain, Shapleigh Special Hanger, Special Handle Bars, Wire Basket, Steel Stand and Good Service Tires; Dealers Will Find It to Be a Great Seller; Every Merchant Wants to Give Quick Service; This Model is the Answer.

SPECIFICATIONS

Basket—Special Galvanized Woven Wire, Size, 15x10x5 inches.

Bearings—Balls, $\frac{3}{8}$ inch in Head; $\frac{5}{16}$ inch in Crank Hanger; $\frac{1}{4}$ inch in Rear Hub; $\frac{3}{16}$ inch in Front Hub.

Carrier—Black Enameled Machine Steel.

Chain—Roller, $\frac{5}{16}$ inch; 1 inch Pitch.

Connections—One Piece Drop Forged Diamond Shape Fork Crown, Nickel Plated; Forged Seat Post; Cluster Bolt and Nut Fastening.

Crank Hanger—Shapleigh Special, One Piece, 7 inch Round Cranks; Highly Nickeled.

Enamel—Four Coats, Hand Polished; Black, with Double Hair Line Gold Stripes.

Frame—20 and 22 inch; One inch, Eighteen Gauge Tubing.

Guards—Front and Rear Enameled to Match Frame.

Handle Bar—Special 21x6; No. 30R Grips.

Hubs—Turned from Solid Bar Stock; Tool Steel Cones and Cups.

Pedals—Rat Trap, No. 1.

Rims—One Piece, Rock Elm; Enameled to Match Frame.

Saddle—No. 27R, with Universal Cushion Springs.

Spokes—14-16 Gauge.

Sprockets—26 Tooth Front, 9 Tooth Rear, $\frac{3}{8}$ inch.

Stand—No. 16, Channel Steel; Can be Raised or Lowered with Foot; Locks Automatically.

Tool Bag—No. 12; Contains Wrench and Pump.

Tires—Good Service **"Oil Proof"** Interlocking Red Diamond Tread No. 7028.

Wheels—28 inches.

Wheel Base—43 inches.

Weight Stripped—17 lbs.

	Each
No. 368—With Coaster Brake (See Specifications Above).....	$55 30

One in a Crate; Average Weight, Crated, 55 lbs.

EXTRAS

	Each
For Lamp No. 80CG.....Add	$6.60

NOTE—FOR DESCRIPTION OF TIRES SHOWN ON THIS PAGE, SEE PAGE 2436.

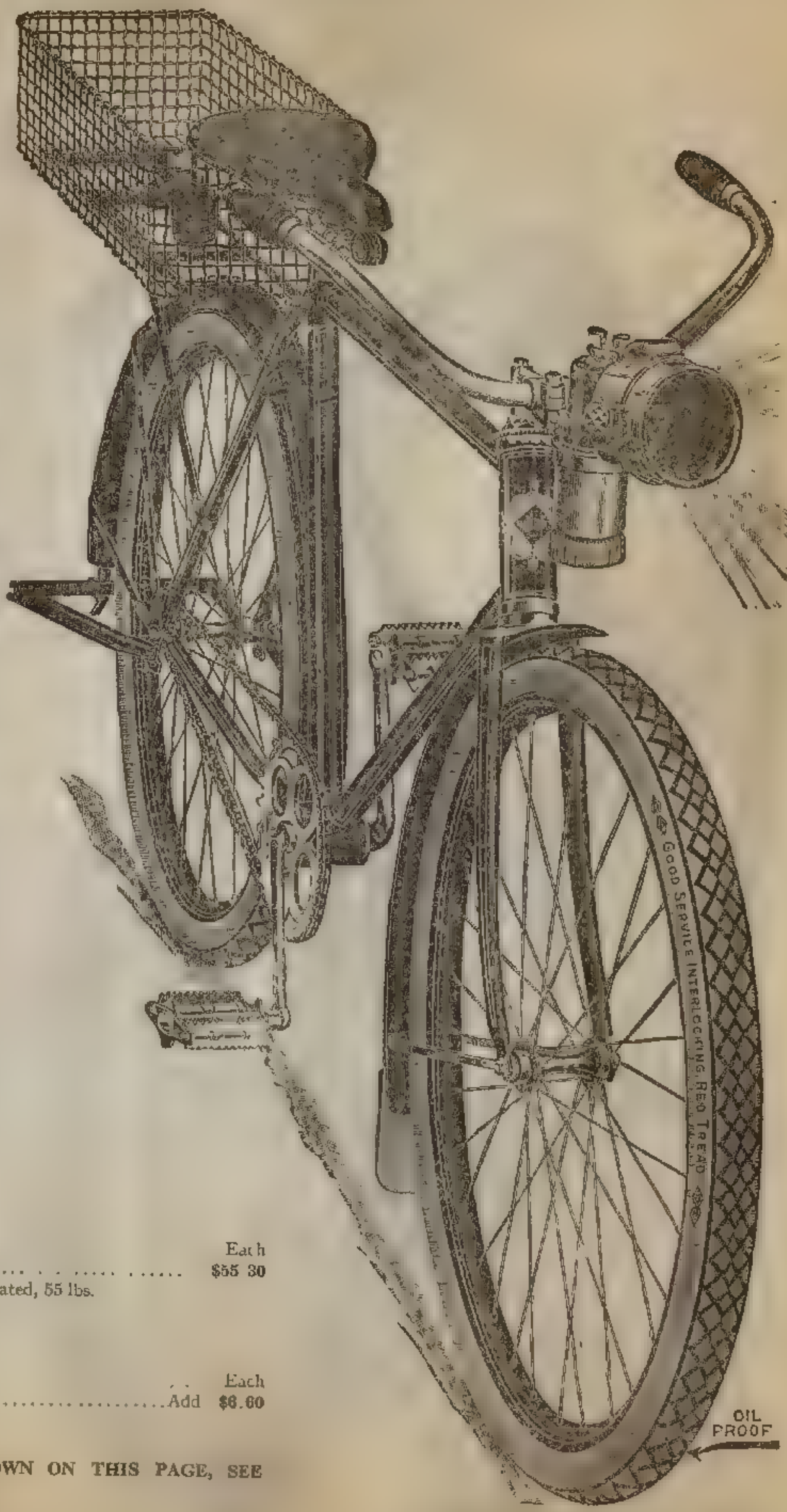


Illustration Shows No. 368 Bicycle

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE.

SHAPLEIGH SPECIAL BICYCLE

LADIES' MODEL

"ORIGINATED BY US"

One of the Best Designed Ladies Bicycles On the Market Today, Graceful Lines, Strongly Constructed, Beautifully Enameled; Has Roller Chain, Shapleigh Special Hanger, Rugby Handle Bars, Rugby Saddle and Good Service Tires.

Illustration Shows No. 369 Bicycle

SPECIFICATIONS ON REGULAR MODEL

Bearings—Balls: $\frac{5}{32}$ inch in Head; $\frac{1}{4}$ inch in Hanger; $\frac{1}{4}$ inch in Rear Hub; $\frac{3}{16}$ inch in Front Hub.

Chain—Roller, $\frac{3}{16}$ inch.

Connections—One Piece Drop Forged Diamond Shape Fork Crown, Nickel Plated; Forged Seat Post; Cluster Bolt and Nut Fastening.

Crank Hanger—Shapleigh Special One Piece; 7 inch Round Cranks, Highly Nickeled.

Enamel—Four Coats, Hand Rubbed; Black, with Double Hair Line Gold Stripes.

Frame—20 inch; One inch, Eighteen Gauge Shelby Seamless Tubing.

Guards—Steel Front, Rear and Chain Guards, Enameled to Match Frame; Flap on Front Guard.

Handle Bar—No. R215 Rugby; No. 30R Grips.

Hubs—Turned from Solid Bar Stock; Tool Steel Cones and Cups.

Pedals—No. 20 Rubber.

Rims—One Piece, Rock Elm, Enameled to Match Frame.

Saddle—No. 27 Rugby.

Spokes—14-16 Gauge.

Sprockets—26 Tooth Front, 9 Tooth Rear; $\frac{1}{16}$ inch.

Wheels—28 inch.

Wheel Base—44 inches.

Weight Stripped—22 lbs.

COMPLETE BICYCLES

	Each
No. 369—Regular—(See Above Description); No. 3028 Good Service Tires	$53.80
No. 2B369—No. 2B High Grade Equipment 3028; Tires	54 70
No. 5C362—No. 5C High Grade Equipment; No. 90 Rugby Clincher Tires	59.30

One in a Crate; Average Weight, Crated, 50 lbs.

STRIPPED BICYCLES WITH COASTER BRAKE

Stripped Means Without Tires, Saddle, Pedals, Handle Bar or Tool Bag

	Each
No. **0369**—With Coaster Brake	$42 50

Note—Above Prices Include Coaster Brake and Guards.

For Tool Bag, Wrench and Pump.....Add **1.00**

NOTE—FOR DESCRIPTION OF TIRES SHOWN ON THIS PAGE, SEE PAGES 2435 AND 2437.

SPEED BICYCLES

MOTORBIKE MODEL

The Construction of This Model is Such as to Provide the Greatest Amount of Strength Possible and at the Same Time Making it Easy Running and Graceful.

The Truss Frame Construction, Special Handle Bar and Stand Give it the Appearance of a Real Motorcycle.

SPECIFICATIONS

Bearings—Balls: $\frac{5}{32}$ inch in Head; $\frac{1}{16}$ inch in Hanger; ¼ inch in Rear Hub; $\frac{3}{16}$ inch in Front Hub.

Chain—Roller or Block, $\frac{3}{16}$ inch; 1 inch Pitch.

Connections—Double Plate Arch Fork Crown, Forged Seat Post; Cluster Bolt and Nut Fastening.

Crank Hanger—One Piece; 7 inch Diamond Cranks, Highly Nickeled.

Enamel—Four Coats, Hand Polished, Hair Line Stripes, Crimillion, 2 Gold Stripes.

Frame—20/18 and 22/20 inch; 1 inch, 18 Gauge English High Carbon Seamless Tubing.

Handle Bar—No. M Motorcycle Style; No. BD Grips.

Hubs—Turned from Solid Stock; Tool Steel Cones and Cups.

Mud Guards—Drop Side Motorcycle Style Front and Rear; Enameled to Match Frame; Mud Flap on Front Guard.

Motorcycle Stand—Drop Forged Channel Steel; Can be Raised or Lowered with Foot; Locks Automatically; Also Can be Locked with Padlock when Stationary.

Pedals—No. Ideal Rubber.

Rims—One Piece, Rock Elm; Enameled to Match.

Saddle—No. 25R Speed Motorbike Style.

Spokes—14-16 Gauge.

Sprockets—26 Tooth Front, 9 Tooth Rear; $\frac{3}{8}$ inch.

Tool Bag—No. 16, Contains Wrench and Pump.

Tires—No. 5828 Speed.

Wheels—28 inch.

Wheel Base—44 inches.

	Each
No. 810—Complete with Coaster Brake, Guards and Stand; Weight Each, 64 lbs.	**$61.70**
One in a Crate	

NOTE—FOR DESCRIPTION OF TIRES SHOWN ON THIS PAGE, SEE PAGE 2433.

Illustration Shows No. 810 Bicycle

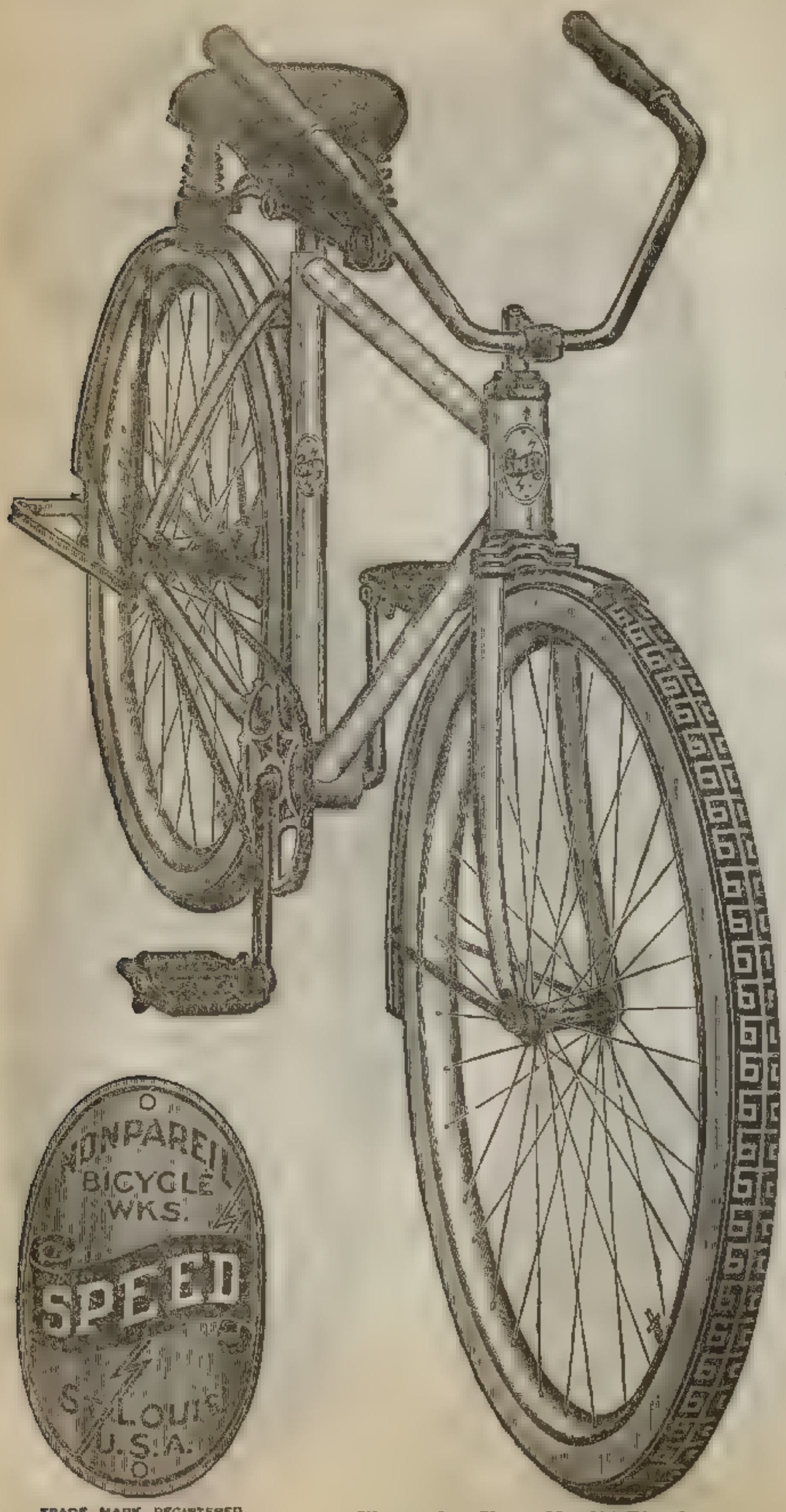
TRADE MARK REGISTERED IN THE U. S. PATENT OFFICE

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE

SPEED BICYCLES

GENTLEMEN'S ROAD MODEL

This Model is Made with Only One View in Mind, to Produce a High Quality, Serviceable Bicycle.
This Wheel is Not Only a Substantial and Serviceable Road Bicycle, But Has All the Advantages of a Racing Model.



TRADE MARK REGISTERED IN THE U. S. PATENT OFFICE

Illustration Shows No. 830 Bicycle

SPECIFICATIONS

Bearings—Balls: $\frac{5}{32}$ inch in Head; $\frac{5}{16}$ inch in Hanger; $\frac{1}{4}$ inch in Rear Hub; $\frac{1}{8}$ inch in Front Hub.

Chain—$\frac{3}{16}$ inch Roller.

Connections—Triple Plate Arch Fork Crown, Nickel Plated; Forged Seat Post; Cluster Bolt and Nut Fastening.

Crank Hanger—Speed, One Piece, 7 inch Diamond Cranks, Highly Polished.

Enamel—Color: Crimillion, 2 Gold Stripes.

Front Fork With Triple Crown; Enameled to Match Frame, with Nickel Plated Reinforced Rib.

Frame—20 and 22 inch, One inch 18 Gauge English High Carbon Seamless Tubing Throughout.

Handle Bar—No. MB2; No. BD Grips.

Hubs—Turned from Solid Bar Stock; Tool Steel Cones and Cups.

Pedals—No. Ideal, Rubber.

Rims—One Piece, Rock Elm; Enameled and Striped to Match Frame.

Saddle—No. 25R, Speed.

Spokes—14-16, Gauge.

Sprockets—26 Tooth Front, 9 Tooth Rear, $\frac{1}{2}$ inch.

Tires—No. 5828, Speed.

Tool Bag—No. 16, Contains Wrench and Pump.

Wheels—28 inch.

Wheel Base—43 inches.

	Each
No. 830—Complete with Coaster Brake, Guards and Stand; Weight Each, 55 lbs. One in a Crate	$55.30

NOTE—FOR DESCRIPTION OF TIRES SHOWN ON THIS PAGE, SEE PAGE 2433.

SPEED BICYCLES

DURABIKE MODEL

A Handsome Up-to-Date and Attractive Model, a Man's Bicycle That a Boy Can Ride, Because of the Dropped Bar Frame; a Speedy Seller; a Sure Winner.

SPECIFICATIONS

Bearings—Balls: $\frac{1}{2}$ inch in Head; $\frac{5}{16}$ inch in Hanger Coaster Brake; $\frac{3}{16}$ inch in Front Hub.

Chain—Roller or Block; $\frac{3}{16}$ inch; 1 inch Pitch.

Connections—Triple Plate Arch Fork Crown, Nickel Plated; Forged Seat Post; Cluster Bolt and Nut Fastening

Crank Hanger—Speed, One Piece, 7 inch Round Cranks Highly Nickeled

Enamel—Four Coats, Hand Polished; Crimillion, 2 Gold Stripes.

Frame—20/18 inch Only; 1 inch, 18 Gauge English High Carbon Seamless Tubing.

Handle Bar—No. MB2 Motorcycle Style; BD Grips.

Hubs—Turned from Solid Stock; Tool Steel Cones and Cups.

Mud Guards—Drop Side; Heavy Gauge Front and Rear; Enameled Match Frame.

Motorcycle Stand—Drop Forged Channel Steel; Can be Raised or Lowered with Foot; Locks Automatically; Can be Locked with Padlock When Stationary.

Pedals—No. Ideal; Square Checkered Rubbers.

Rims—One Piece, Rock Elm; Enameled to Match.

Saddle—No. 25R, Speed.

Spokes—14-16 Gauge.

Sprockets—26 Tooth Front, 9 Tooth Rear; $\frac{3}{16}$ inch.

Tires—No. 5828 Speed.

Tool Bag—No. 16, Contains Wrench and Pump.

Wheels—28 inch.

Wheel Base—44 inches.

	Each
No. 820—Complete with Coaster Brake, Guards and Stand; Weight Each, 59 lbs. . . . . One in a Crate	**$55.90**

NOTE—FOR DESCRIPTION OF TIRES SHOWN ON THIS PAGE, SEE PAGE 2433.

TRADE MARK REGISTERED IN THE U. S. PATENT OFFICE

Illustration Shows No. 820 Bicycle

TRADE MARK REGISTERED IN THE U. S. PAT OFFICE.

SPEED BICYCLES

LADIES' MODEL

Frame So Constructed As to Give the Highest Possible Rigidity and at the Same Time Retain the Easy Running Qualities; Matches Strength; Speed and Service of Man's Model.

Illustration Shows No. 840 Bicycle

TRADE MARK REGISTERED IN THE U. S. PATENT OFFICE

SPECIFICATIONS

Bearings—Balls: $\frac{5}{32}$ inch in Head; $\frac{3}{16}$ inch in Hangers; $\frac{1}{4}$ inch in Rear Hub; $\frac{3}{16}$ inch in Front Hub.

Chain—$\frac{1}{2}$ inch, Block or Roller.

Connections—Triple Plate Arch Fork Crown, Nickel Plated; Forged Seat Post; Cluster Bolt and Nut Fastening.

Crank Hanger—Speed, One Piece; 7 inch Diamond Cranks, Highly Nickeled.

Enamel—Four Coats, Hand Polished; Crimillion, 2 Gold Hair Line Stripes.

Frame—20 inch; One inch, 18 Gauge English High Carbon Seamless Tubing Throughout.

Front Fork—With Orient Crown; Enameled to Match Frame Design, with Reinforced Nickel Plated Rib.

Guards—Steel Front, Rear and Chain Guards; 8 inch Leather Flap on Front Guard.

Handle Bar—No. MB2; No. BD Grips.

Hubs—Turned from Solid Bar Stock; Tool Steel Cones and Cups.

Motorcycle Stand—Drop Forged Channel Steel; Can be Raised or Lowered with Foot; Locks Automatically; Can be Locked with Padlock When Stationary.

Pedals—No. Ideal, Rubber.

Rims—One Piece, Rock Elm, Enameled and Striped to Match Frame.

Saddle—No. 25R Speed.

Spokes—14-16 Gauge.

Sprockets—26 Tooth Front, 9 Tooth Rear; $\frac{1}{2}$ inch.

Tires—No. 5828, Speed.

Tool Bag—16, Contains Wrench and Pump.

Wheels—28 inch.

Wheel Base—44 inches.

	Each
No. 840—Complete with Coaster Brake, Guards and Stand; Weight Each, 56 lbs. One in a Crate	**$59.90**

NOTE – FOR DESCRIPTION OF TIRES SHOWN ON THIS PAGE, SEE PAGE 2433.

SPEED BICYCLES

BOYS' JUVENILE MODEL

The Strength and Simplicity of This Model Means Less Cost for Upkeep. For the Boy Scout and Every Lad Who Wants a Real Bicycle.

SPECIFICATIONS

Bearings—Balls: 7/32 inch in Head; 5/16 inch in Hanger; 1/4 inch in Rear Hub; 3/16 inch in Front Hub; Ball Cases and Cones Ground True, Properly Hardened and Dust Proof.

Chain—Roller; 3/8 inch.

Chain Adjusters—Regular.

Connections—One Piece Drop Forged Fork Crown, Highly Nickeled Forged Seat Post; Cluster Bolt and Nut Fastening.

Crank Hanger—Speed, One Piece; 5½ inch Diamond Cranks, Highly Nickeled.

Enamel—Crimillion, 2 Gold Stripes.

Frame—7/8 inch, Drop 18/16 inch, 18 Gauge English High Carbon Seamless Steel Tubing.

Handle Bar—No. RER No. BD Grips.

Hubs—Bell Shape; Tool Steel Cones, Hardened and Ground; Pressed Cups with Ball Washers Inserted.

Motorcycle Stand—Drop Forged Channel Steel; Can be Raised or Lowered with Foot; Locks Automatically; Can be Locked with Padlock when Stationary.

Pedals—No. Ideal, Rubber.

Rims—One Piece, Rock Elm, Enameled to Match Frame.

Saddle—No. 40 RP.

Seat Post—"L" Pattern.

Spokes—14-16 Gauge

Sprockets—20 Tooth Front; 9 Tooth Rear; 3/8 inch.

Tires—Speed, No. 5826.

Tool Bag—No. 16, Contains Wrench and Pump.

Wheel Base—39½ inches.

	Each
No. 880—Complete with Coaster Brake, Guards and Stand; Weight Each, 47 lbs.	$51.50

One in a Crate

NOTE—FOR DESCRIPTION OF TIRES SHOWN ON THIS PAGE, SEE PAGE 2433.

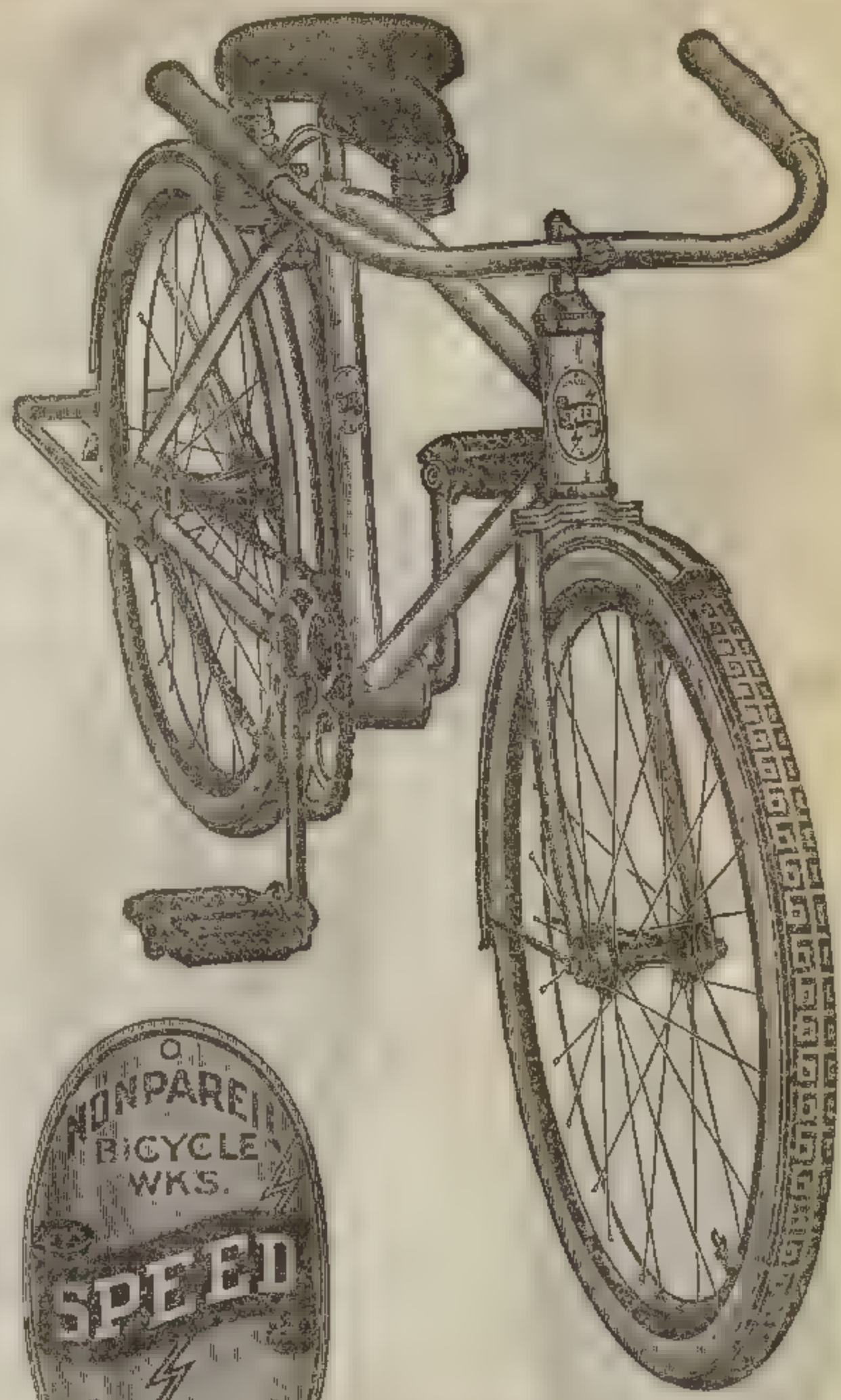


Illustration Shows No. 880 Bicycle

EVERY WHEEL ILLUSTRATED OR DESCRIBED IN THIS CATALOG CAN BE RELIED UPON. THERE IS NOT ONE IN THE LOT BUT IS WORTHY OF ALL THAT IS SAID ABOUT IT. THERE ARE NONE THAT ARE PUT UP FOR APPEARANCE SAKE ONLY; QUALITY RUNS THROUGH THE ENTIRE LINE AND THERE WILL BE NO COME BACKS ON THE DEALER WHO SELLS THEM.

TRADE MARK REGISTERED IN THE U S PAT OFFICE

SPEED BICYCLES

GIRLS' JUVENILE MODEL

Just the Thing for the Young Girl Who Wants a Bicycle. Girls' Juveniles Sell as Well as Boys'. Stock Them.

Illustration Shows No. 870 Bicycle

SPECIFICATIONS

Bearings—Balls; $\frac{3}{32}$ inch in Head; $\frac{5}{16}$ inch in Hanger; ¼ inch In Rear Hub; $\frac{3}{16}$ inch in Front Hub; Ball Cases and Cones Ground True, Properly Hardened and Dust Proof.

Chain—Roller, $\frac{3}{16}$ inch.

Chain Adjusters—Regular.

Connections—One Piece Drop Forged Fork Crown, Highly Nickeled Forged Seat Post; Cluster Bolt and Nut Fastening.

Crank Hanger—Speed One Piece, 5½ inch Diamond Cranks, Highly Nickeled.

Enamel—Four Coats, Hand Rubbed; Crimillion, 2 Gold Stripes; Front Fork Nickel Plated at Top and Bottom

Frame—17 inch; ⅞ inch, Eighteen Gauge English High Carbon Seamless Steel Tubing

Handle Bar—No. RER, Non-Rust, Adjustable, No. BD Grips.

Hubs—Ball Shape Tool Steel Cones, Hardened and Ground Pressed Cups with Ball Washers Inserted.

Motorcycle Stand—Drop Forged Channel Steel, Can be Raised or Lowered with Foot; Locks Automatically; Can be Locked with Padlock When Stationary.

Pedals—No. Ideal, Rubber.

Rims—One Piece, Rock Elm, Enameled to Match Frame.

Saddle—No. 40RP.

Seat Post—"L" Pattern.

Spokes—14-16 Gauge.

Sprockets—20 Tooth Front, 9 Tooth Rear; $\frac{1}{8}$ inch.

Tires—Speed No. 5826

Tool Bag—No. 16, Contains Wrench and Pump.

Wheel—26 inch.

	Each
No. 870—Complete with Coaster Brake, Guards and Stand. Weight Each, 47 lbs.	$32 50

One in a Crate

NOTE—FOR DESCRIPTION OF TIRES SHOWN ON THIS PAGE, SEE PAGE 2433.

WONDERFUL EFFICIENCY

THE SHAPLEIGH HARDWARE CO. PRIDES ITSELF ON THE EFFICIENCY OF ITS MAIL ORDER DEPARTMENT - WHILE NOTHING PLEASES THE EMPLOYES IN THAT DEPARTMENT MORE THAN TO SHOW HOW QUICKLY AND CORRECTLY THEY CAN "EAT UP" A LOT OF ORDERS. THEY ARE ALL PICKED MEN, TRAINED AND EXPERT IN THE WORK IN WHICH THEY ARE ENGAGED AND SELDOM FAIL TO GIVE TO CUSTOMERS ENTIRE SATISFACTION. IF YOU HAVE NOT BEEN IN THE HABIT OF ORDERING BY MAIL WE SUGGEST A TRIAL ORDER AND KNOW THAT YOU WILL BE SO PLEASED WITH THE SERVICE THAT YOU WILL CONTINUE IT

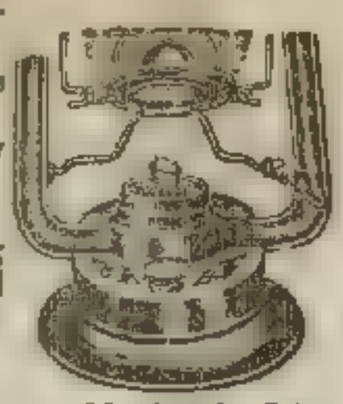
LANTERNS

★NORLEIGH DIAMOND

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE

POINTS OF SUPERIORITY

Heavy IX AA Quality Redipped Charcoal Tin;
Handsome Design — Looks Different;
Best Workmanship—No Raw Edges;
New Idea Finishes;
New Idea Wood Bail Handle;
New Idea Lift, Simple and Effective;
Double Seamed Bottom;
Selected Globes;



Cut Illustrates **Norleigh Diamond Cold Blast** Lifting and Lighting Device; Note Simplicity and Natural Action.

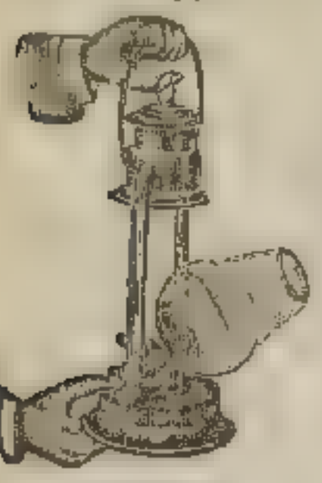
Cut Illustrates **Norleigh Diamond Hot Blast** Lifting and Lighting Device; Note Simplicity and Natural Action.

Cut Illustrates **Norleigh Diamond** Dash Attachment with Steel Wire Flush Dash Spring.

Showing Top of Fount

Cut Showing **Norleigh Diamond** Steel Burner Tinned and Retinned and Lacquered; Will Not Dent or Rust.

Cut Illustrates **Norleigh Diamond** Wood Bat Handle With Extra Heavy Wire Used on Cold Blast Styles; Stands Automatically Erect; an Original Idea That Will Appeal to Practical People.



Cut Illustrates Simplicity of Removing Cold Blast Globe—Raise Dome and Drop Globe Forward; Note Also the New Improved Style Guard.

Cut Illustrates Double Seamed Bottom—Not Soldered—Will Not Flood the Burner and Extinguish Light Like Some Others.

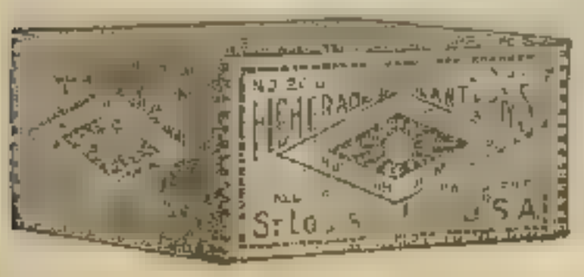
Norleigh Diamond Style
Clinched in Fount and Soldered

Old Style
Soldered Only

"ORIGINATED BY US"

Large Cut Illustrates **Norleigh Diamond Big Mouth Oil Hole or Filler**, Which Simplifies Filling No Funnel Required.

Small Cut Illustrates Oil Hole Furnished on All Other Lanterns—Too Small for Practical Purposes

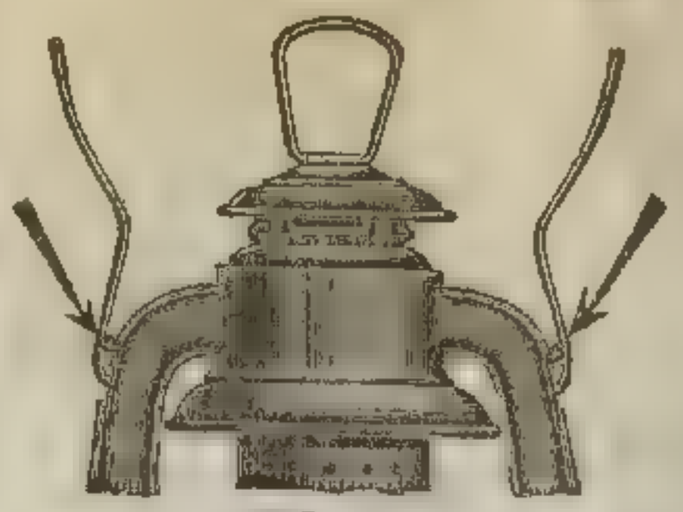


Cut Shows Strong Lock Corner Fiber Case in Which All **Norleigh Diamond** Lanterns are Packed

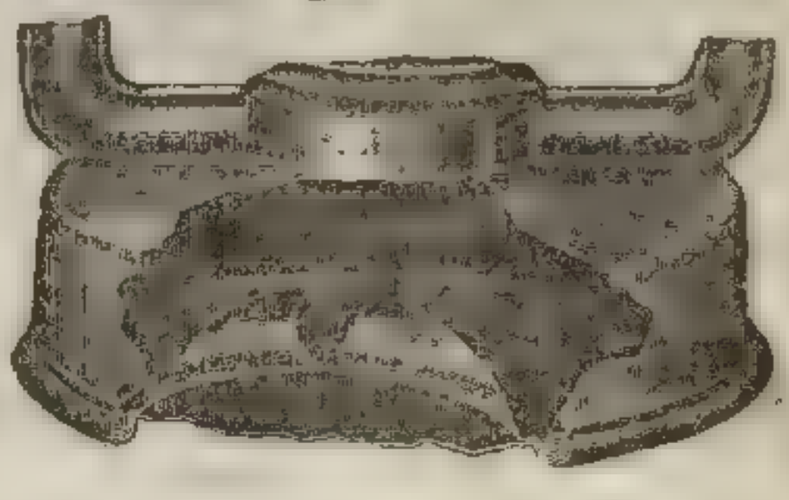
LANTERNS

★NORLEIGH DIAMOND

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE



Cut Illustrates the Standing Handle and High Ring Used on **Norleigh Diamond** Cold Blast Styles; Handle Remains in Upright Position When Set on the Ground; Also Very Handy When Hanging Lantern on High Hook.



The Above Illustration Shows Some of the Features of the Fount in Our No. 0 Norleigh Diamond Utility Lantern. This Mammoth Fount Holds Sufficient Oil for the Lantern to Burn 56 Hours. Note the Provision for Long Wear. IXAA Prime Tin Plate. Sides are Spun on, Preventing Leaks.

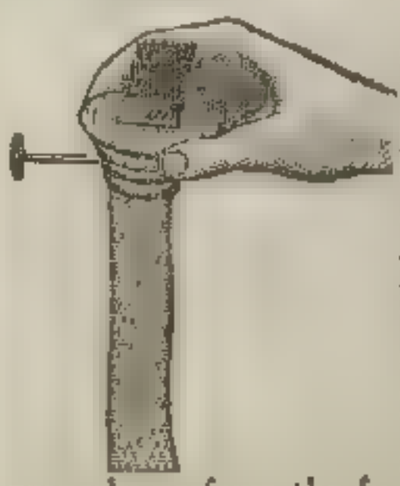
Cut Shows **Tag on All Norleigh Diamond** Lanterns. A Concise List of Selling Hints for the Retail Salesman is Printed on the Reverse Side.

Cut Shows Label on all **Norleigh Diamond Lanterns** Giving Instructions How to Obtain Best Results.

THE PROPER CARE OF LANTERN WICKS

A cotton wick serves but one purpose in lantern or lamp, and that is to convey the oil from the fount up to the point of combustion.

A lamp wick or lantern wick is a loosely woven bundle or bunch of cotton fibers, of proper size to fill the wick tube of the burner. The lower end of the wick resting in the fount becomes quickly saturated, and then by means of capillary attraction the oil is lifted and carried up through the burner to the point of combustion. It is, therefore, clear that any change in the character of the fibers which constitute the wick will affect their usefulness as a means of conveying the oil by attraction.



The illustration shows one of the wicks and burners taken from a tested lantern. You will observe that the upper end of the wick is charred for a distance half the length of the thumb. This charring comes as a result of being exposed directly to the flame. It shows that the business end of the wick for a distance of an inch or more is badly charred. That means that the cellular character of the wick fibers had been *destroyed by fire*. The black portions are simply the ruins of fibers, the mineral-like residue or ashes from which all absorbent properties have been eliminated. This inch and quarter of charred wick is almost useless, because it cannot properly perform the functions of a wick.

Every experienced lantern user is very careful to avoid bringing about such conditions as described above, well knowing that it is useless to expect a steady, dependable light with so imperfect a wick. Where these conditions exist, it is necessary to trim all blackened portion of the wick away, and begin again exposing only the tip end of the wick to the flame. A wick properly trimmed once every few days will give absolute and entire satisfaction, always provided that the perforated globe rest is kept reasonably clean and the fount at least moderatly filled with kerosene oil of the ordinary grade which the market affords.

We do not apologize for our lantern construction. It is the best in existence. We don't ask any special treatment for our lanterns. They don't need it, but we do insist upon ordinary cleanliness and a glimmer of common sense in the use of our lanterns or any other of our specialties.

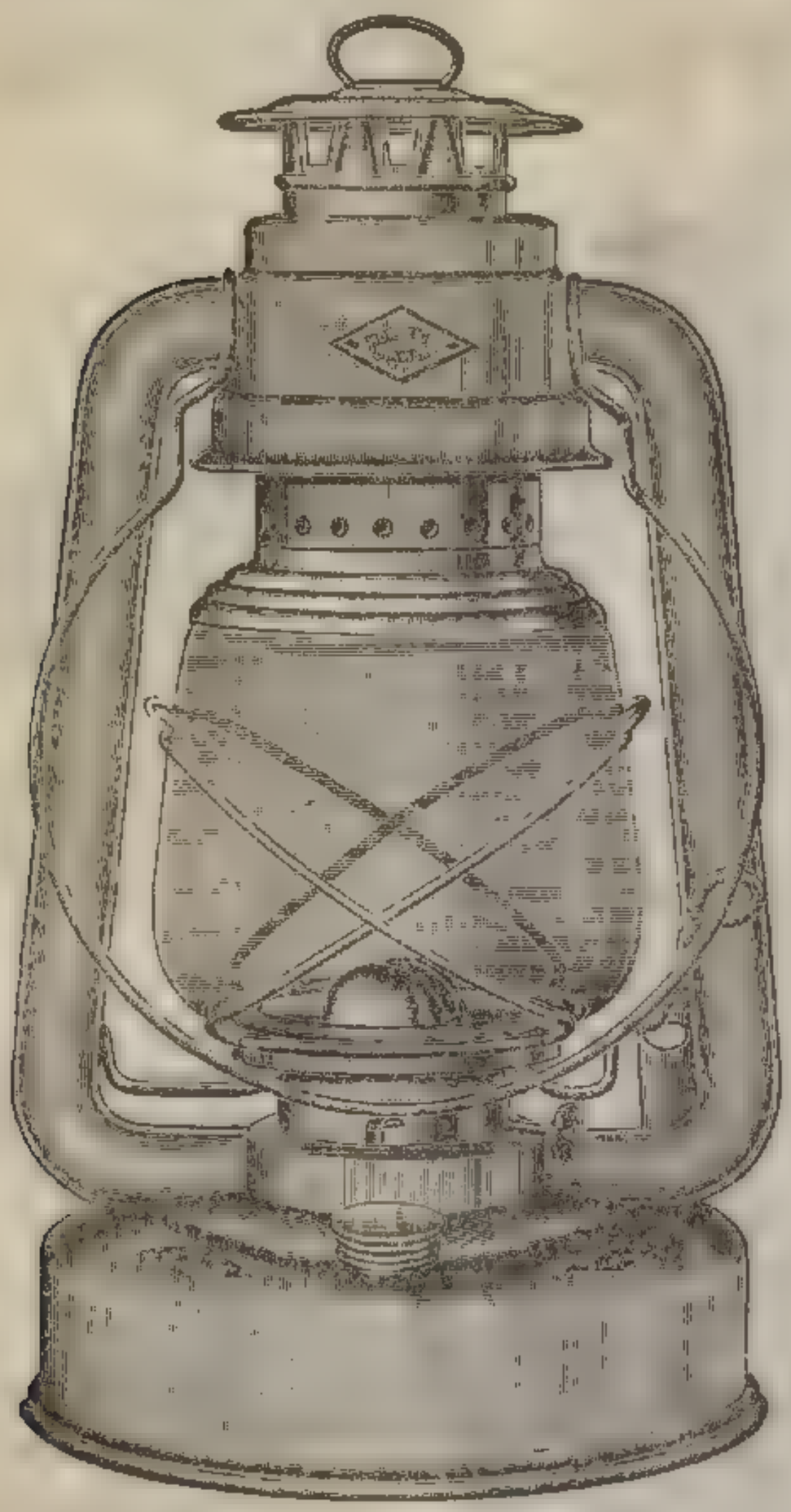
LANTERNS

★NORLEIGH DIAMOND

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE

COLD BLAST

Heavy IX AA Quality Redipped Tin; Handsome Design; Best Workmanship; No Raw Edges; New Idea Finishes; New Idea Big Mouth Oil Hole; New Idea Standing Bail; New Idea Side Lift, Simple and Effective; Double Seamed Bottom, Spun On, Will Not Leak; Fitted With Selected Norleigh Diamond Globes.



SHORT GLOBE
MAMMOTH FOUNT
ALL TIN
Red Enameled Bodies

Heavy, Reinforced Steel, Tinned and Retinned and Lacquered; Cold Blast Burner No. 2, With 1 inch Wick Inserted; Short Cold Blast Globe No. NS; Oil Capacity Sufficient for 56 Hours Use; Large Mouth Oil Hole; Standing Wire Bail; Height With Bail and Ring Down, 14½ inches; Diameter of Base, 7¾ inches.

Per Dozen

No. 225—Handles Enameled to Match Bodies; Weight per Dozen, 40 lbs..... **$32 00**

Half Dozen in a Case

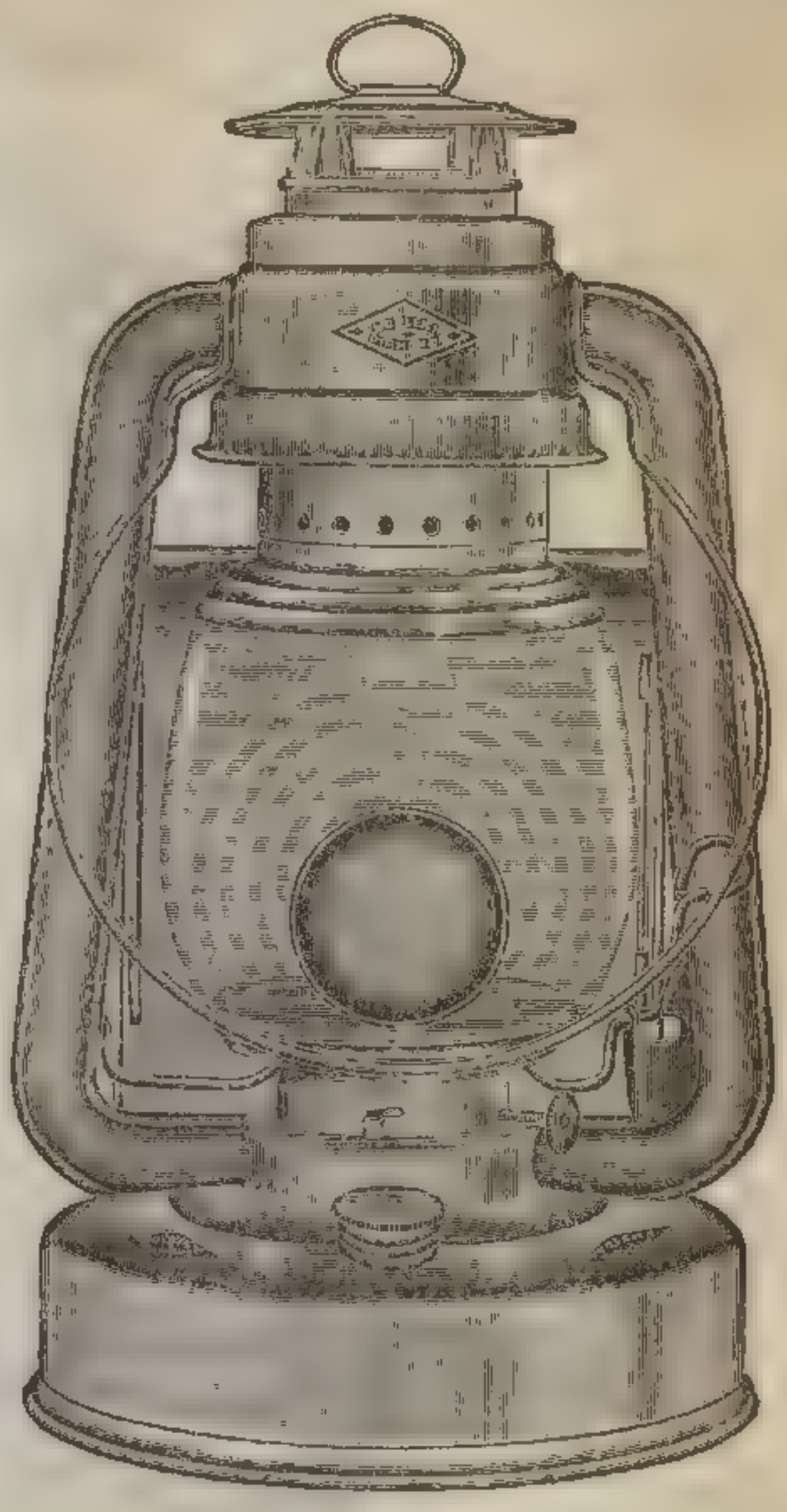
LANTERNS

★NORLEIGH DIAMOND

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE.

COLD BLAST

Heavy IX AA Quality Redipped Tin; Handsome Design; Best Workmanship; No Raw Edges; New Idea Finishes; New Idea Big Mouth Oil Hole; New Idea Standing Bail; New Idea Side Lift, Simple and Effective; Double Seamed Bottom, Spun On, Will Not Leak; Fitted With Selected Norleigh Diamond Globes.



SHORT GLOBE
MAMMOTH FOUNT
DASH

Green and Red Enameled Bodies Assorted

Heavy, Reinforced Steel, Tinned and Retinned and Lacquered Fount and Top; Cold Blast Burner No. 2, With 1 inch Wick Inserted; Short Cold Blast Globe No. NS; Oil Capacity Sufficient for 56 Hours Use; Large Mouth Oil Hole; Standing Wire Bail; Height With Bail and Ring Down, 14½ inches; Diameter of Base, 7¾ inches.

Per Dozen

No. 251—Handles Enameled to Match Bodies; Weight per Dozen, 50 lbs..... **$36.00**

Half Dozen in a Case

SHAPLEIGH HARDWARE COMPANY, ST. LOUIS

TRADE MARK REGISTERED IN THE U. S. PATENT OFFICE

LANTERNS

★NORLEIGH DIAMOND

MAMMOTH FOUNT; COLD BLAST; SHORT GLOBE

"ORIGINATED BY US"

Clear Crystal Lead Glass Globes, Specially Made.

TRADE MARK REGISTERED IN THE U. S. PATENT OFFICE

Heavy Reinforced Steel, Tinned and Retinned and Lacquered; Cold Blast Burner No. 2 with 1 inch Wick Inserted; Model 1918, Low Pattern, Cold Blast Globe No. NS; Large Mouth Oil Hole With Flush Cap; New Style Standing Bail.

Large New Style Roomy Bail, Will Stay Anywhere You Put it

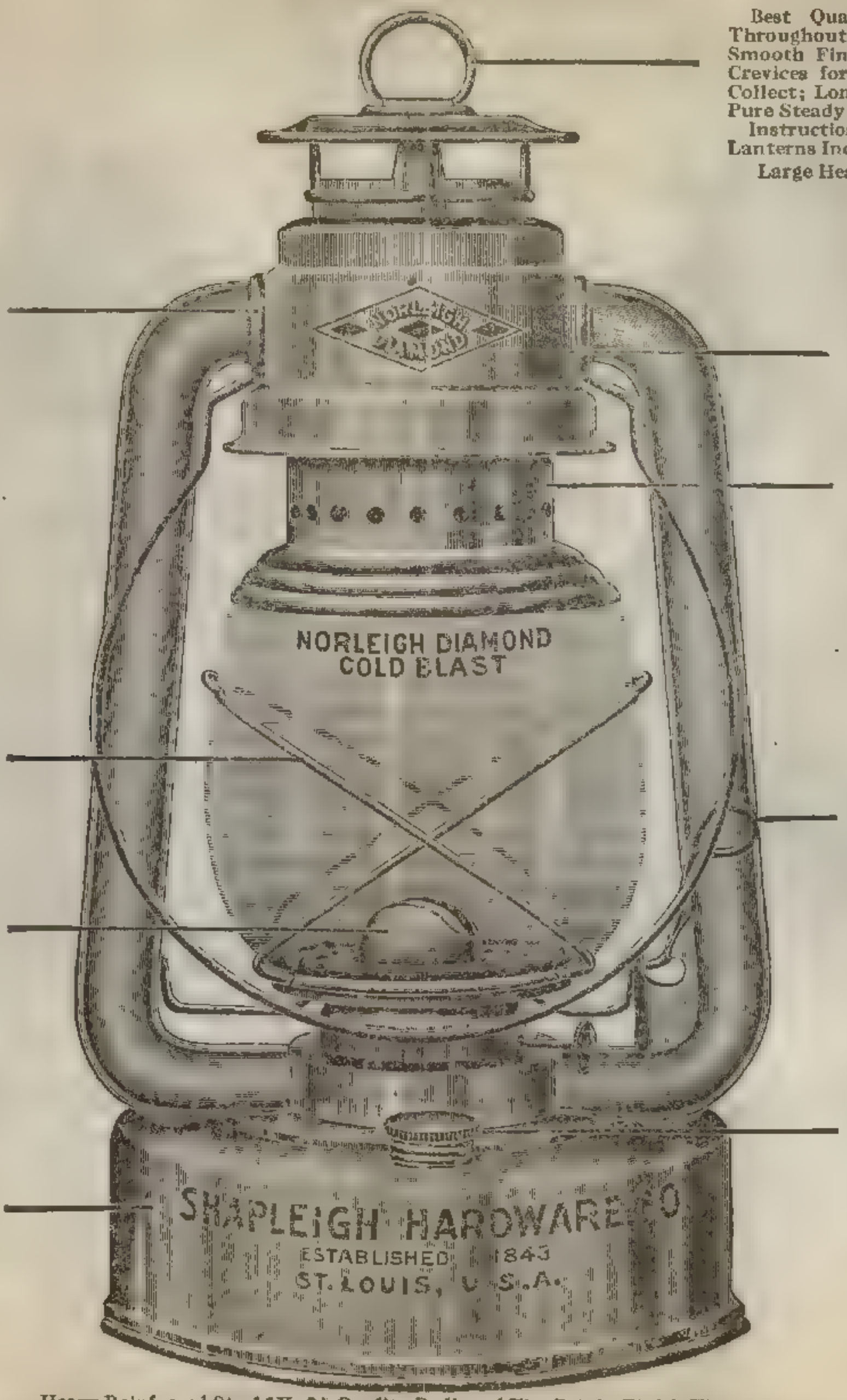
Tubes Made With Lock Seams. Heavy and Perfectly Smooth at Elbow.

Double Steel Wire Globe Guards Hold Globe Securely While Tilting and Prevents Breakage.

Genuine Steel Tinned Burner No. 2, Locked to Fount; Will Not Come Loose When Globe is Raised, Wicked Ready to Light.

Extra Large New Style Mammoth Fount With Squat Base Shaped to Prevent Tipping Over.

Double Strength, Concaved Bottom, Double Seamed and Cemented On, Will Not Jar Out and is Tested by Compressed Air.



Best Quality Materials Used Throughout. Dome, Fount and Top Smooth Finish All Round With No Crevices for Dirt, Oil or Grease to Collect; Long Draft Tube Insures a Pure Steady Light.

Instructions Covering the Care of All Lanterns Included in Each Lantern.

Large Heavy Ring; Stands Erect.

New Style Three Step Dome Gives Added Strength and Protects the Flame from Wind and Rain. Flame Positively Cannot be Blown Out

Partially Closed Perforated Guide Ring Permits Globe to be Raised Easily and Prevents Insects Collecting in Dome

Three-Step Globe Cap, Symmetrical and Strong

New Style, Easy Working, Inside Globe Lift, Simple and Positive Lift Lock Made of Heavy Steel, Cannot Work Loose.

Large Two Step Air Chamber Furnishes Just the Required Amount of Pure Air.

Extra Large Brass Filler Cap, Well Threaded No Leakage.

Big Mouth Brass Oil Hole Set Into Fount, No Funnel Required to Fill.

Heavy Reinforced Steel 1X, 2A Quality Redipped Tin, Bright Finish Throughout.
Mammoth Fount With New Style Squat Base Holds Sufficient Oil to Burn for 56 Hours Use;
(Most Lanterns Hold Oil to Burn from 27 to 85 Hours Use.)

Per Dozen

No. 800—Height with Bail and Ring Down, 14 inches; Diameter of New Style Squat Base, 7¾ inches; Bright Finish Plain Steel Wire Bail; Weight per Dozen Boxed, 38 lbs..... **$30 00**

Each Lantern Put Up in a Heavy Manila Bag; Half Dozen in a Double Walled Fiber Case

LANTERNS

★NORLEIGH DIAMOND

TRADE MARK REGISTERED IN THE U. S. PATENT OFFICE

TRADE MARK REGISTERED IN THE U. S. PATENT OFFICE

THE ORIGINAL STYLE NORLEIGH DIAMOND COLD BLAST

"ORIGINATED BY US"

The Norleigh Diamond Lantern Will Produce the Greatest Volume of Light, Without Smoke or Blow-Outs, Because We Produce Perfect Combustion.

The Fresh Air is Taken in at the Disc, Goes Down Through the Tubes, and is Fed in at the Bottom of the Burner, as Soon as the Oxygen is Consumed from This Air, it Goes Out at the Top of the Lantern. This is So Perfectly Timed as to Produce the Most Perfect, Steady, Non-Flickering Flame Possible **and Will Not Blow Out in the Most Severe Gale.**

Large Heavy Ring, Stands Erect Always Ready to Insert Finger.

Dome, Heavy, Made to Protect the Flame from Wind and Rain.

Tubes, Made With Lock Seams. Heavy and Perfectly Smooth at Elbow.

Inside Cylinder, Made Strong from One Piece of Tin, Riveted, Not Soldered.

Cling Globe Guard, Holds Globe Securely When Thrown Back for Trimming Wick and Cleaning Burner. Does Not Crack the Globe.

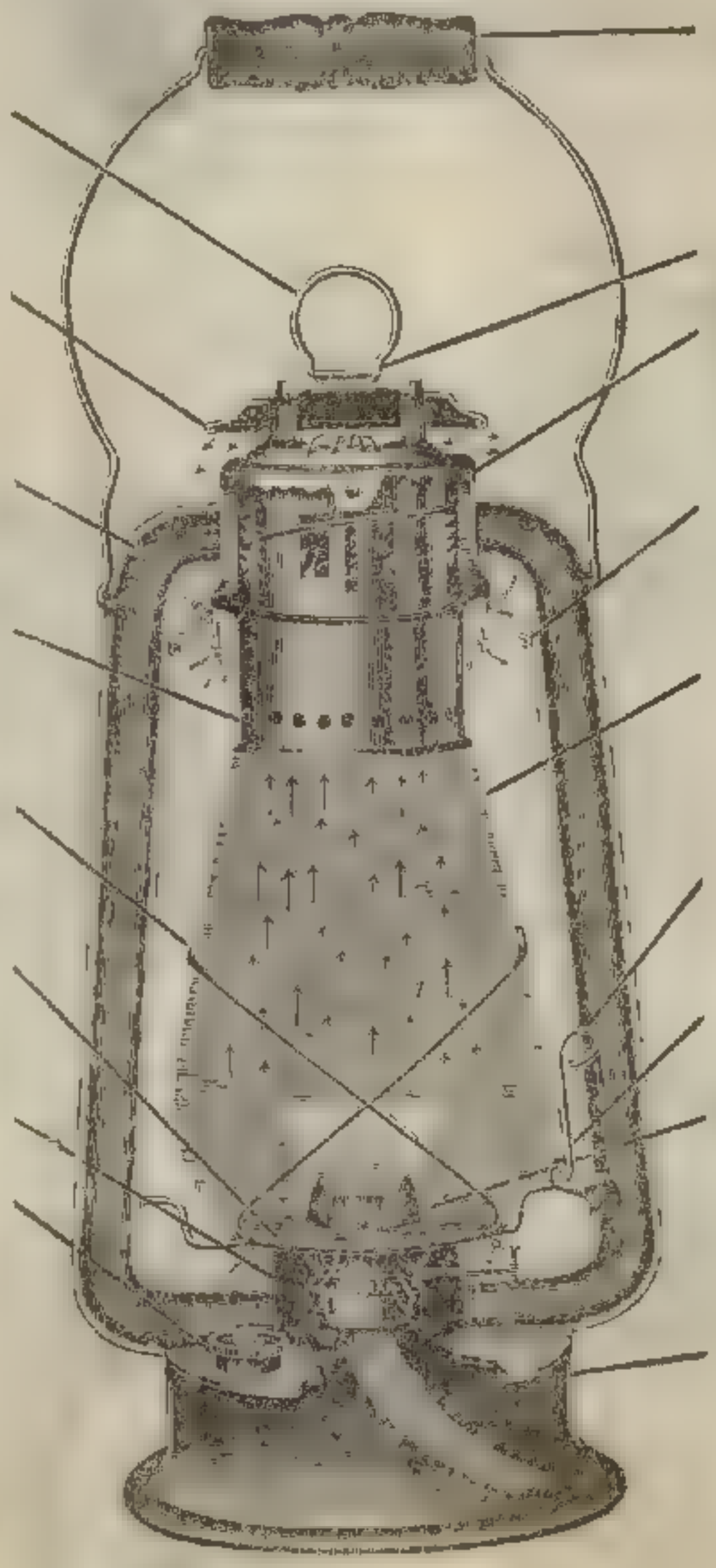
Globe Rest, Wired Edge; Perforations Keep Globe from Becoming Superheated.

Air Chamber, Larger and Stronger Than Other Makes.

Oil Hole, Big Mouth Brass Oil Hole Set Into Fount and Clinched Under; No Funnel Required to Fill. Broad Flange Cap, Easy to Turn.

25% More Light

Same Oil



New Idea Wood Ball Handle Stands Automatically Erect.

Strong Clip, Which Holds Ring Securely

Outside Cylinder, Heavy, Made from One Piece of Tin, Reinforced on the Inside.

Disc, Heavy Rolled Edge, Fastened Securely to Tubes, This Strengthening the Lantern.

Globe, Made from Special Mould; Full Weight; Selected; Perfect. Ground Top and Bottoms.

New Idea Inside Globe Lift, Simple and Positive. Entirely Out of the Way.

Lift Lock, Made of Heavy Steel. Forced in the Tube. Cannot Work Loose.

Burner, No. 2, of Extra Heavy Reinforced Steel, Tinned and Retinned and Lacquered, Will Last Much Longer Than Brass Locked to Fount, Will Not Come Loose When Globe is Raised. Wicked Ready to Light.

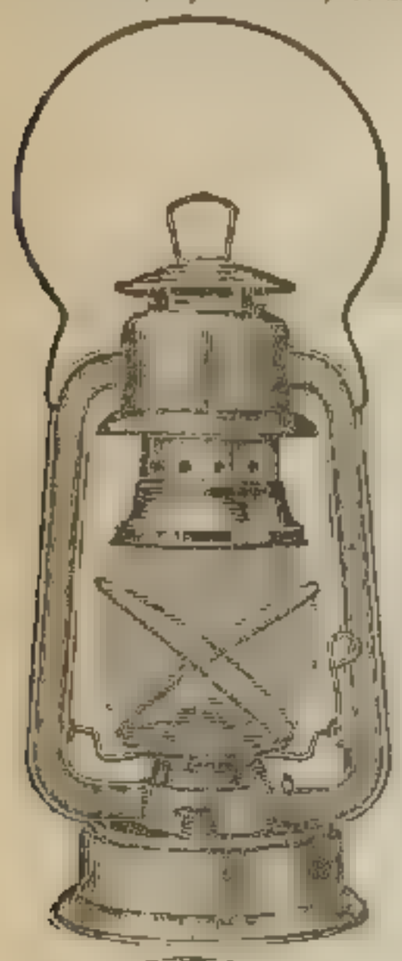
Fount, Much Larger Than the Majority It is Drawn from One Piece of Tin and Redipped. The Bottom is Spun On, Not Soldered, and is Tested by Compressed Air.

The Norleigh Diamond is Made of Heavy IX AA Quality of Tin Redipped After Forming (Not IC or Common IX) and Tested by Compressed Air. They Never Leak. Notice the Large, Wide Open Mouth Oil Hole. It is Not Necessary to Use a Funnel in Filling. These Superior Points and Many Others Make **the Norleigh Diamond** Lantern the Best on Earth.

LANTERNS

ORIGINAL COLD BLAST

Heavy IX AA Quality Redipped Tin; Handsome Design; Best Workmanship; No Raw Edges; New Idea Finishes; New Idea Wood Bail Handle; New Idea Big Mouth Brass Oil Hole; New Idea Standing Bail; New Idea Side Lift; Simple and Effective; Double Seamed Bottom, Spun On; Will Not Leak; Fitted With Selected Globes.



*NORLEIGH DIAMOND

TRADE MARK REGISTERED — IN THE U. S. PAT. OFFICE.

SHORT GLOBE

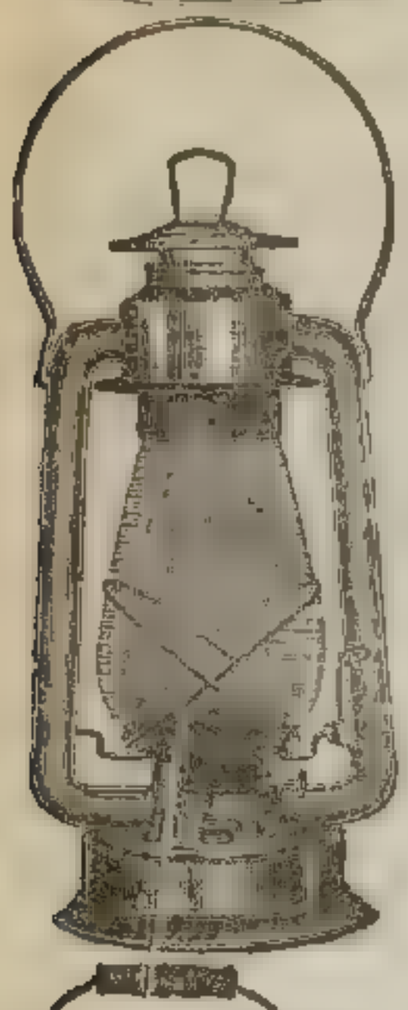
Reinforced Steel; Tinned and Retinned and Lacquered Cold Blast Burner No. 2 With 1 inch Wick Inserted; **Low Pattern,** Cold Blast Globe No. NS; Standing Plain Wire Bail

Body Made of Good Quality Redipped Tin, Bright Finish.

Per Dozen

No. 200—Oil Capacity Sufficient for 25 Hours Use; Height With Bail and Ring Down, 14½ inches Diameter of Base 6½ inches; Weight per Dozen, 40 lbs. **$26 40**

Half Dozen in a Case



*NORLEIGH DIAMOND

TRADE MARK REGISTERED — IN THE U. S. PAT. OFFICE.

Reinforced Steel, Tinned and Retinned and Lacquered Cold Blast Burner No. 2 With 1 inch Wick Inserted; Cold Blast Globe No. 2; Large Mouth Oil Hole; Standing Plain Wire Bail

Body Made of Good Quality Redipped Tin, Bright Finish. We Reserve Right to Ship Any Good Make—on Account of Market.

Per Dozen

No. 100CB—Oil Capacity Sufficient for 25 Hours Use; Height With Bail and Ring Down, 14½ inches; Diameter of Base, 3½ inches; Weight per Dozen, 40 lbs. **$26 40**

Half Dozen in a Case

*NORLEIGH DIAMOND

TRADE MARK REGISTERED — IN THE U. S. PAT. OFFICE

SMALL SIZE PET

These Lanterns, Though Smaller in Size Than Our Large Norleigh Diamond Cold Blast Lanterns, Are So Perfectly Constructed That They Really Furnish as Much Light as the Ordinary Cold Blast Lantern With No. 2 Burner and Globe.

Dome Top Fount; Heavy Reinforced Steel; Tinned and Retinned and Lacquered Cold Blast Burner No. 0 With ⅝ inch Wick Inserted; Pet Cold Blast Globe; Oil Capacity Sufficient for 22 Hours Use; Height With Bail and Ring Down, 13 inches; Diameter of Base, 5¾ inches.

Per Dozen

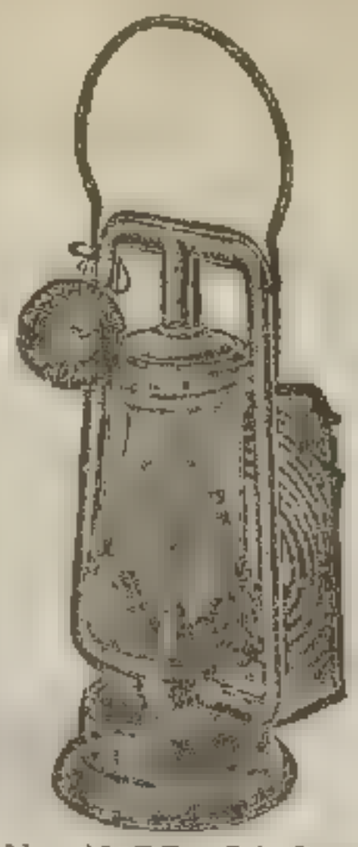
No. 100PET—**Bright Finish;** Heavy IX AA Quality Redipped Charcoal Tin; Bright Finished Wires; Natural Finish Wood Handle; Weight per Dozen, 30 lbs. **$21 60**

One Dozen in a Case

LANTERNS

HOT BLAST

Heavy IX AA Quality Redipped Tin; Handsome Design; Best Workmanship; No Raw Edges; New Idea Finishes; Plain Bail Handle; New Idea Big Mouth Oil Hole; New Idea Standing Bail; New Idea Side Lift; Simple and Effective; Double Seamed Bottom, Spun On; Will Not Leak; Fitted With Selected Globes.



*NORLEIGH DIAMOND

TRADE MARK REGISTERED — IN THE U. S. PAT. OFFICE.

DASH

Dash Board Attachment; Tin Reflector 6x7¼ inches, Extends to Top of Globe.

Heavy Reinforced Steel Burner; Tinned and Retinned and Lacquered; No. 0 With ⅝ inch Wick Inserted; Tubular Globes No. 0; Large Mouth Oil Hole; Standing Plain Wire Bails.

Bodies Made of Heavy IX AA Quality Redipped Tin, Red Enameled.

With Bull's Eye Globe

Per Dozen

No. **100DE** Oil Capacity Sufficient for 22 Hours Use; Height With Bail Down, 14 inch, Diameter of Base 5¾ inches; Weight per Dozen 40 lbs. **$29 50**

Half Dozen in a Case

*NORLEIGH DIAMOND

TRADE MARK REGISTERED — IN THE U. S. PAT. OFFICE

REGULAR PATTERN

Bodies Made of Good Quality Redipped Tin, Bright Finish.

Heavy Reinforced Steel Burner; Tinned and Retinned and Lacquered; No. 0 With ⅝ inch Wick Inserted; Tubular Globes No. 0; Large Mouth Oil Hole; Standing Plain Wire Bails.

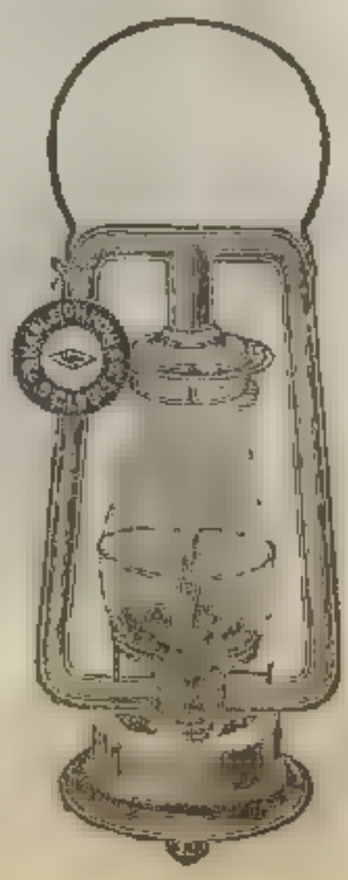
We Reserve Right to Ship Any Good Make—on Account of Market.

Per Dozen

No. 45/0—Regular Fount; Oil Capacity Sufficient for 22 Hours Use; Height With Bail Down 13½ inches; Diameter of Base, 5¾ inches, Weight per Dozen, 30 lbs. **$15 50**

No. 45/0—With No. OR Globes **19 50**

One Dozen in a Case



*NORLEIGH DIAMOND

TRADE MARK REGISTERED — IN THE U. S. PAT. OFFICE

CONTRACTORS

Provided With Two Thief Proof Lugs Which Allow Lanterns to Be Securely Nailed, Chained or Locked Down.

Heavy Reinforced Steel Burner Tinned and Retinned and Lacquered; No. 0 With ⅝ inch Wick Inserted, Tubular Globes No. 0, Large Mouth Oil Hole; Standing Plain Wire Bails.

Bodies Made of Heavy IX AA Quality Redipped Tin, Red Enameled.

With Clear Globe

Per Dozen

No. 50CON Oil Capacity Sufficient for 22 Hours Use; Height With Bail Down, 13½ inches; Diameter of Base, 5¾ inches; Weight per Dozen, 35 lbs. ..**$19 20**

One Dozen in a Case

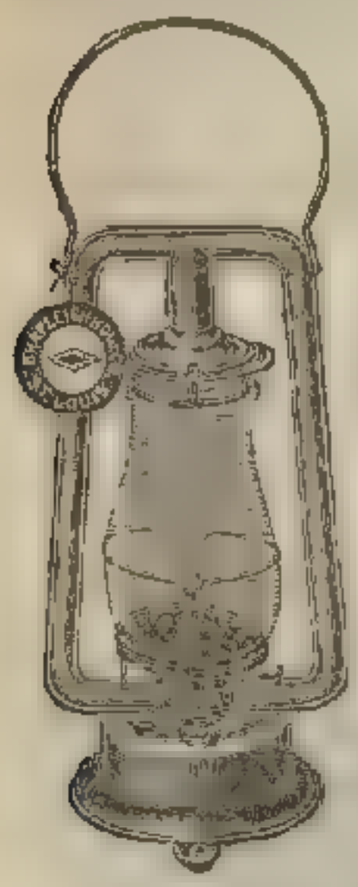
LANTERNS

*NORLEIGH DIAMOND

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE

HOT BLAST

Heavy IX AA Quality Redipped Tin; Handsome Design; Best Workmanship; No Raw Edges; New Idea Finishes; Plain Bail Handle; New Idea Big Mouth Oil Hole; New Idea Standing Bail; New Idea Side Lift; Simple and Effective; Double Seamed Bottom, Spun on; Will Not Leak; Fitted with Selected Globes.



CONTRACTORS

Provided With Two Thief Proof Lugs Which Allow Lanterns to Be Securely Nailed, Chained or Locked Down.

Heavy Reinforced Steel Burner; Tinned and Retinned and Lacquered; No. 0 with 5/8 inch Wick Inserted; Tubular Globes No. 0; Large Mouth Oil Hole; Standing Plain Wire Bails.

Bodies Made of Heavy IX AA Quality Redipped Tin; Red Enameled.

With Red Globe

Per Dozen

No. 75CR—Oil Capacity Sufficient for 22 Hours Use; Height with Bail Down, 13½ inches; Diameter of Base, 5¾ inches; Weight per Dozen, 36 lbs. **$23 50**

One Dozen in a Case

RAILROAD LANTERNS

*NORLEIGH DIAMOND

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE

Burn Signal Oil

These Lanterns Are Made for Extreme Severe Usage. They Are the Best Railroad Lanterns Made.

Cut Shows Top of Dome of the Norleigh Diamond Railroad Lanterns.

Double Up and Down Wires

Heavy IX AA Quality Redipped Charcoal Tin; Ventilated Hinged Top; Double Guard With Double Up and Down Wires; Bayonet Catch; Brass Burner With 5/8 inch Wick Inserted; Wick Raiser Inside of Globe; No 39 Clear Glass Railroad Globe; Oil Capacity Sufficient for 24 Hours Use; Height With Bail Down, 10½ inches; Diameter of Base, 6¾ inches; 8 inch Bail Attached to Wire Guard.

Per Dozen

No. 39—With Flanged Tin Base; Weight per Dozen, 45 lbs. **$33 60**

One Dozen in a Case

Double Up and Down Wires

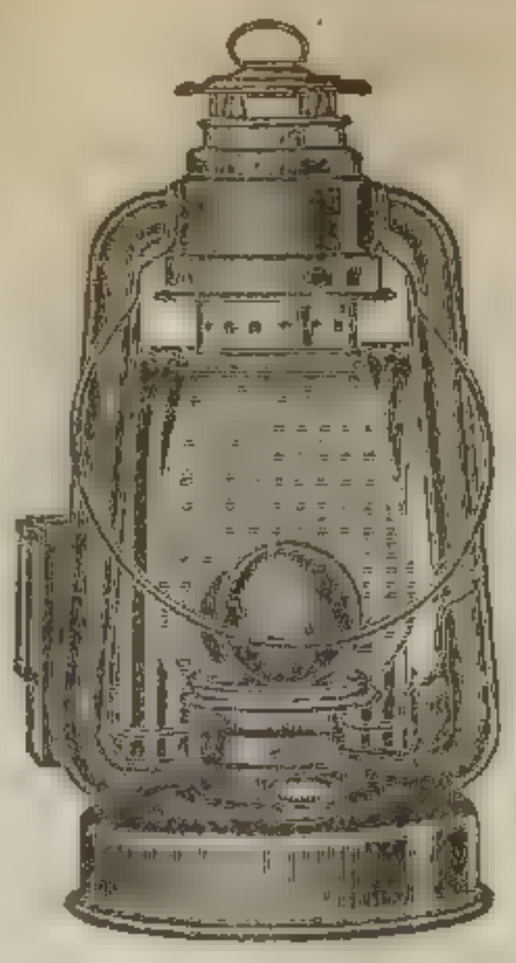
Heavy IX AA Quality Redipped Charcoal Tin; Ventilated Hinged Top; Double Guard With Double Up and Down Wires; Bayonet Catch; Brass Burner With 5/8 inch Wick Inserted; Wick Raiser Inside of Globe; No. 39 Clear Glass Railroad Globe; Oil Capacity Sufficient for 24 Hours Use; Height With Bail Down, 10½ inches; Diameter of Base, 6¾ inches; 8 inch Bail Attached to Wire Guard.

Per Dozen

No. 99—With Open Wire Base; Weight per Dozen, 45 lbs. **$33 60**

One Dozen in a Case

VEHICLE LANTERNS



*NORLEIGH DIAMOND

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE

SIGNALITE COLD BLAST

Designed Especially for Business Vehicles; Shows a Clear White Light in Front and a Red Warning in the Rear; Fulfills the Legal Requirements of All States Pertaining to the Carrying of Lights on Horse-Drawn Vehicles at Night; Tubular; 12 inches High; Made of IX AA Tin Plate; Black Enameled; Fitted With No. 1 Cold Blast Burner for 5/8 inch "A" Wick; Cold Blast Globe; Fount Holds Oil to Burn 14 to 16 Hours; Produces 10 Candle Power Light Which is Magnified to An Extreme Degree by the Powerful Bull's Eye Lens and Globe; Highly Polished Corrugated Reflector With a 2 inch Ruby Lens Framed in its Center.

Each Lamp Furnished Complete With Strong Metal Brackets; Weight per Dozen, 60 lbs.

Per Dozen

No. SL—Left Side **$37 50**

One in a Box

CAR INSPECTORS LANTERNS

*NORLEIGH DIAMOND

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE

With Coal Oil Burner, But Will Burn Signal Oil.

Heavy IX AA Quality Redipped Charcoal Tin; No. 1 Long Cone Brass Burner With 5/8 inch Wick Inserted; Bright **Tin Hood; 9** inches Diameter; 6 inches Deep With 5 inch **Silvered Glass Reflector;** No. 0 Clear Glass Globe.

Per Dozen

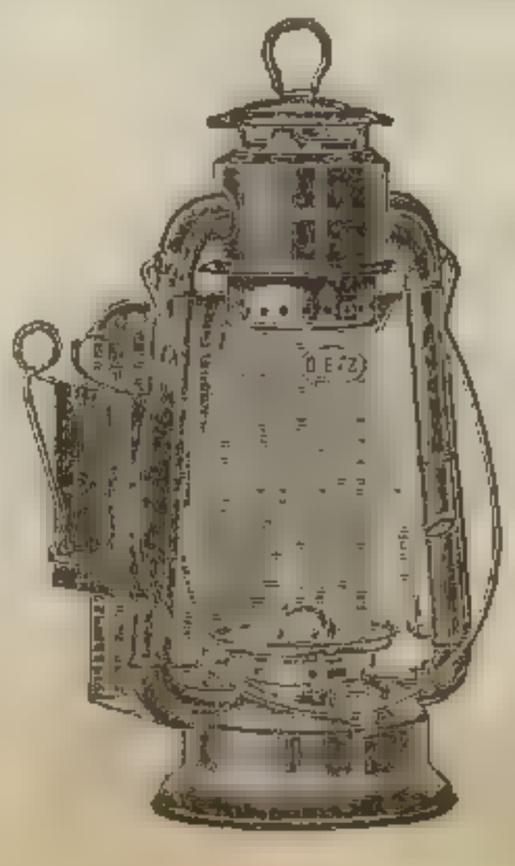
No. C—Height 15 inches; Diameter of Base, 7 inches; Heavy Wire Bail, 5 inches High; Heavy Tin Bossed Handle; Oil Capacity Sufficient for 20 Hours Use; Weight per Dozen, 64 lbs. **$48 00**

Half Dozen in a Case

No. R—Extra Silvered Glass Reflectors; 5 inches; For No. C Lanterns; Weight per Dozen, 5 lbs. . **$9 50**

Half Dozen in a Box

LANTERNS



DIETZ

WAGON

Long Globe; Cold Blast

Black Enamel Finish; Fitted With Junior Globe; Lantern is Made for Both Right and Left Hand and Are Generally Sold in Pairs; It Shows a 2¼ inch Danger Signal to the Rear and Complies with All Night Driving Laws. Packed With Style E Flat Brackets and Magnifying Bull's Eye Lens; 201 Burners; 5/8 inch Wick.

Per Dozen

No. Junior Wagon — Oil Capacity Sufficient for 13 Hours Use; Height Over All, 12 inches; Weight per Dozen, 60 lbs.; Specify for Right or Left Hand. **$44.00**

Half Dozen in a Case

GASOLINE LANTERNS

COLEMAN

These Lanterns Make Their Own Gas from Gasoline; Use Two Mantles and Give 300 Candle Power of Bright, White Light at a Cost of 1 Cent per Night.

They are Safe in Any Position. No Danger if Upset. Tested to 200 lbs.; Operate at 15 lbs. Pressure. They Are Clean, No Greasy Wick, No Dirty Chimney. Made of Brass Heavily Nickel Plated.

Lights With a Match Through a Door in the Reflector, Which Forms a Part of the Chimney. It Holds 2 pints, Burns 15 Hours on One Filling, and it Will Burn in Any Wind. Register Made

Each

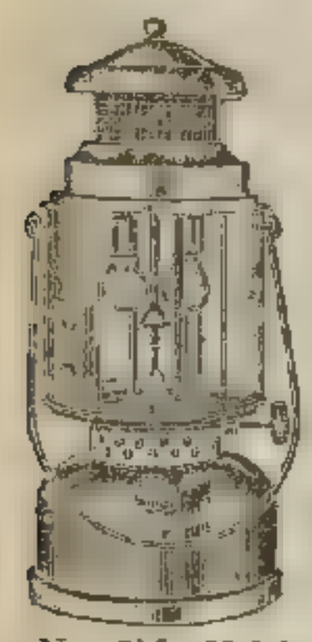
No. QL327—Height, 14 inches; Complete with Mantles, Pump, Wrench, Cleaning Pick and Extra Generator; Weight Each, 6 lbs. **$11.50**
One in a Carton

NU-LITE
"STORM KING"

This is a High Grade Gasoline Lantern; Costs One Quarter of a Cent per Hour to Operate, Burns Fifteen Hours on One Filling; it Can Be Used as a Lantern or a Lamp. It is Made to Burn in Any Wind; It Will Not Explode if Upset in Any Way; It Is Storm, Rain, Wind and Bug Proof, and Will Burn Just as Well in Winter as in Summer, 350 Candle Power; Packed Complete.

Each

†**No. SK**—Needs Torch to Light; Height 13 inches; Weight, 5 lbs **$11 50**
One in a Carton



This Lantern is the Best Made; It Is Unaffected by High Wind and Can be Carried Through the Fiercest Storm; Has a Match Lighting Burner, 400 Candle Power; Capacity, 1 quart Gasoline; Burns 12 to 14 Hours on One Filling.

Each

†**No. 2M**—Height, 13 inches; Complete with Wrench, Pump, Tip Cleaner, Rubber Washer and Instructions; Weight Each, 3½ lbs. **$11 50**
One in a Carton

ACETYLENE LANTERNS

JUSTRITE
AUTOMATIC GENERATOR

Gives a 20 Candle Power Light; Burns 5 to 6 Hours With 3 ounces of Carbide; Flame is Controlled by Valve and Can be Turned High or Low or Extinguished as Desired; Made of Brass Throughout, Nickel Plated and Highly Polished. No Complicated Parts to Get Out of Order and Very Easy to Operate.

Suitable for Mine Superintendents, Inspectors, Mining Engineers, Watchmen, Timekeepers, Sportsmen Camplight and for the Automobile.

Per Dozen

†**No. 2**—Height, 12 inches; Weight per Dozen, 18 lbs..... **$105.60**
One in a Box

Items Marked † Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory, Chicago, Ill.,

FLASH LANTERNS

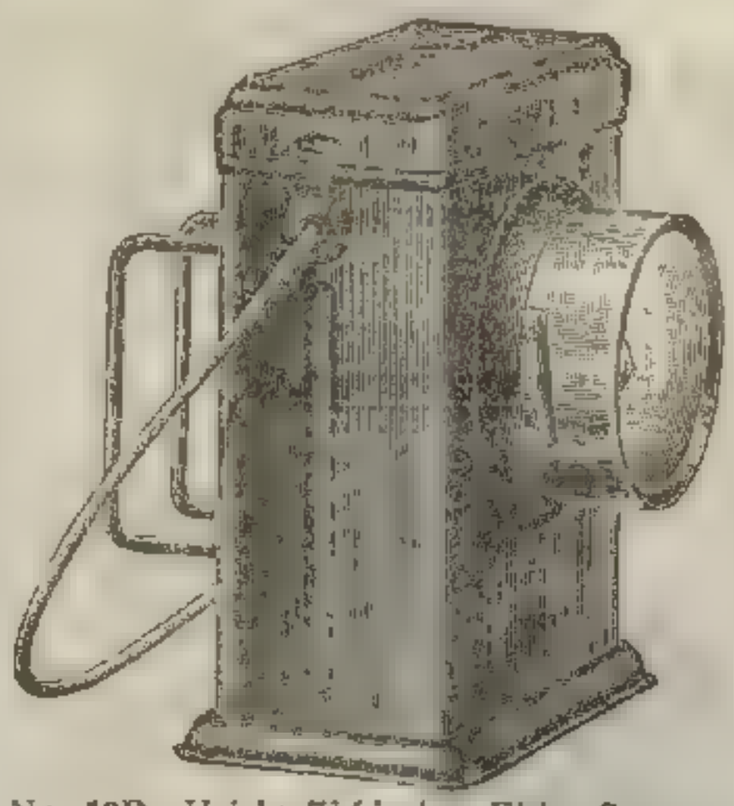
DELTA

Designed for Use as a Hand Lamp or Carrying Lantern. Battery Case is Made of Stamped Steel; Black Japanned Nickel Plated Trimmings; Folding Wire Handles on Back; Removable Wire Bail on Top; Sliding Contact; Button on Back; Case Opens on Top; Extra Fine Silvered Reflector 3 inches in Diameter with Heavy Convex Polished Lens.

Batteries Required: Two No. ND10 or Two No. HD600 (Page 758) or Two No. 6 Standard Dry Cells of Any Make.

Per Dozen

No. 1D—Sizes, 7¼ inches High; 5⅝ inches Wide; 2¾ inches Deep; Takes Bulb No. 35; Weight per Dozen, 24 lbs..... **$54 00**
One in a Box



DELTA UTILITY

Designed Especially for Use of Farmers, Automobilists, Sportsmen, Watchmen, Deliverymen, Soldiers, Oil Workers, Etc.

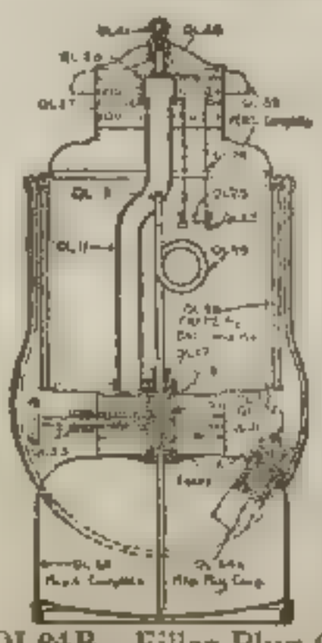
Throws An Intense Beam for 500 feet and in Turn Has a Wide Field of Light for Use in Close Quarters.

Batteries Required: Two No. ND10 or Two No. HD600 (Page 758 or Two No. 6 Standard Dry Cells of Any Make.

Per Dozen

No. 10D—Height, 7½ inches; Either Square or Round Type; Sheet Steel Body; Ribbed; Body Finished in Bright Red Enamel; All Trimmings Nickel Plated; 3½ inch Silvered Reflector; Extra Fine Glass Lens; Takes Bulb No. 35; Shipping Weight per Dozen, 25 lbs..... **$60 00**
One in a Carton

†EXTRA PARTS FOR COLEMAN LANTERN



†**No. QL327**

Nos.	Each
QL11—Air Intake Tube	$0 70
QL17—Burner Support Casting	.25
QL18—Gas Tips	.15
QL19—Burner Frame Washer	.15
QL23—Burner Cap Complete	.35
QL24—Burner Tube	.25
QL25—Burner Cap Screen	.15
QL26—Mixing Chamber	.90
QL32—Air Stem	.35
QL36—Rubber Gaskets	.15
QL40—Ventilator Rod	.15
QL41—Ventilator Ball Nut	.15
QL55—Valve Stem and Nut	.50
QL57—Valve Complete	1.10
QL84B Filler Plug Complete	.90
QL65—Fount with Filler Plug	6 60
QL85—Ventilator	2 70
QL98—Frame Complete	1.80
QL99—Generator Complete	.55
CQ—Wrench	.35

Loose

Items Marked † Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory, Wichita, Kans.,

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE

RUGBY BICYCLES

"Originated By Us"

FOR OVER 25 YEARS RUGBY BICYCLES HAVE BEEN THE QUALITY LINE OF AMERICA

THE QUALITY ALWAYS THE SAME NOTWITHSTANDING THE PRICE

TRADE MARK REGISTERED IN THE U. S. PATENT OFFICE

A Very Substantial Bicycle; Rugby in Construction; Has the Appearance of a Real Motorcycle, Fully Equipped Ballbearing, Roller Chain, Genuine Rugby Crank Hanger, Motor Cycle Handle Bars, Motor Bike Style Pedals, Front and Rear Mud Guards, Red Interlocking Diamond Tread Tires.

Illustration Shows No. 602R Bicycle

SPECIFICATIONS

Bearings—Balls; $\frac{3}{32}$ inch in Head; $\frac{5}{16}$ inch in Hanger; $\frac{1}{4}$ inch in Rear Hub; $\frac{3}{16}$ inch in Front Hub.

Chain—Roller; $\frac{3}{16}$ inch; 1 inch Pitch.

Connections—Double Plate Arch Fork Crown. Forged Seat Post Cluster; Bolt and Nut Fastening.

Crank Hanger—Genuine Rugby, One Piece; 7 inch Diamond Cranks; Highly Nickeled.

Enamel—Four Coats, Hand Polished; Carmine, 2 Gold Stripes.

Frame—20/18 inch; 1 inch, 18 Gauge English High Carbon Seamless Tubing.

Handle Bar—No. MB2 Motorcycle Style; No. 26 Grips.

Hubs—Turned from Solid Stock; Tool Steel Cones and Cups.

Pedals—Square Checkered Rubber No. 20.

Rims—One Piece, Rock Elm; Enameled to Match.

Saddle—No. 25R Rugby Motor Bike Style.

Spokes—14-16 Gauge.

Sprockets—26 Tooth Front, 9 Tooth Rear; $\frac{1}{8}$ inch.

Wheels—28 inch.

Wheel Base—44 inch.

Mud Guards—Drop Side Enameled to Match Frame.

Tires—No. 7028 Good Service.

	Each
No. **602R**—With Coaster Brake; Average Weight Crated, About 50 lbs.	**$53.90**

Extras

	Each
For Stand.....Add	**$0.80**
For Tool Bag, Wrench and Pump.....Add	**1.00**

NOTE—FOR DESCRIPTION OF TIRE SHOWN ON THIS PAGE SEE PAGE 2436.

RUGBY BICYCLES

BIMOCYCLE MODEL 1919

"ORIGINATED BY US"

TRADE MARK REGISTERED IN THE U. S. PATENT OFFICE

TRADE MARK REGISTERED IN THE U. S. PATENT OFFICE

FOR OVER 25 YEARS RUGBY BICYCLES HAVE BEEN THE QUALITY LINE OF AMERICA

THE QUALITY ALWAYS THE SAME NOTWITHSTANDING THE PRICE

This is the Best Looking Bicycle Ever Produced, That Has the Appearance of a Real Motorcycle. Special Attention is Called to the Truss Frame Construction, Which Has a Drop of Two inches at the Rear End. This Drop Reduces the Regular 20 and 22 inch Frame to 18 and 20 inches, Respectively, But We Will Call the Frames 20 and 22 Instead of 18 and 20 inches, Which Are Their Actual Measurements.

We Call Special Attention to the Possibilities of the 20 inch Frame, Which Can be Ridden by the Boy Who is Just at the Age When He Wants the Most Elaborate Bicycle. In the Past This Boy Has Been Forced to Ride an 18 inch Juvenile with 26 inch Wheels. He Can Now Ride the 20 inch RUGBY BIMOCYCLE with Full Size (28 inch) Wheels and Feel That He Has a "Grown-Up" Mount. Equipped with Roller Chain, Genuine Rugby Hanger, Motorcycle Style Handle Bars, Motor Bike Style Saddle, Square Check Rubber Pedals, Motorcycle Style Mud Guards, Motorcycle Stand and Good Service Tires.

Illustration Shows No. 601R Bicycle

SPECIFICATIONS

Bearings—Balls: $\frac{5}{32}$ inch in Head; $\frac{3}{16}$ inch in Hanger; Coaster Brake; $\frac{3}{16}$ inch in Front Hub.

Chain—Roller; $\frac{3}{16}$ inch; 1 inch Pitch.

Connections—Double Plate Arch Fork Crown, Nickel Plated; Forged Seat Post; Cluster Bolt and Nut Fastening.

Crank Hanger—Genuine Rugby One Piece, 7 inch Diamond Cranks, Highly Nickeled.

Enamel—Four Coats, Hand Polished; Carmine, 2 Gold Stripes.

Frame—20/18 and 22/20 inch; 1 inch, 18 Gauge English High Carbon Seamless Tubing

Handle Bar—No. MB2 Motorcycle Style; No. 26 Grips.

Hubs—Turned from Solid Stock; Tool Steel Cones and Cups.

Pedals—Square Checkered Rubbers No. 20.

Rims—One Piece, Rock Elm; Enameled Black with Red Center and Two Gold Hair Line Stripes.

Saddle—No. 25R Rugby.

Spokes—14-16 Gauge.

Sprockets—26 Tooth Front, 9 Tooth Rear; $\frac{1}{8}$ inch.

Wheels—28 inch.

Wheel Base—44 inches.

Mud Guards—Drop Side Motorcycle Style, Front and Rear; Enameled to Match Frame.

Tires—No. 7028 Good Service.

Motorcycle Stand—Drop Forged Channel Steel; Can be Raised or Lowered with Foot; Locks Automatically; Also Can be Locked with Padlock When Stationary.

COMPLETE BICYCLES

	Each
No. 601R—With Coaster Brake; Carmine, Two Gold Stripes (Specifications Shown Above) (Equipped with Guards and Stand)	$59 60
No. 5C601R—(See Page 2426 for This Equipment) (Equipped with Guards and Stand)	64 00
No. 0601R—Stripped with Coaster Brake (Equipped with Guards and Stand)	47 00

Stripped Means Without Tires, Saddle, Pedals, Handle Bar or Tool Bag
One in Crate; Average Weight, Crated, 60 lbs.

EXTRAS

For Tool Bag, Wrench and Pump.....Add **$1.00**

NOTE—FOR DESCRIPTION OF TIRE SHOWN ON THIS PAGE, SEE PAGE 2436.

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE

RUGBY BICYCLES

MEN'S ROAD MODEL

"ORIGINATED BY US"

FOR OVER 25 YEARS RUGBY BICYCLES HAVE BEEN THE QUALITY LINE OF AMERICA

THE QUALITY ALWAYS THE SAME NOTWITHSTANDING THE PRICE

TRADE MARK REGISTERED IN THE U. S. PATENT OFFICE

TRADE MARK REGISTERED IN THE U. S. PATENT OFFICE

Illustration Shows No. 603R Bicycle

This Wheel is Not Only a Substantial and Serviceable Road Wheel, But Has All the Lines and Beauty of a Racing Model; It Has Been Built Throughout According to Our Own Specifications.

Has All the Pleasures of a Road Wheel and Speed and Graceful Lines of a Racing Model Combined in One.

SPECIFICATIONS ON REGULAR MODEL

Bearings—Balls; $\frac{5}{32}$ inch in Head; $\frac{5}{16}$ inch in Hanger; $\frac{1}{4}$ inch in Rear Hub; $\frac{3}{16}$ inch in Front Hub.

Chain—$\frac{3}{16}$ inch Roller.

Connections—Triple Plate Arch Fork Crown, Nickel Plated; Forged Seat Post; Cluster Bolt and Nut Fastening.

Front Fork—With Orient Crown; Enameled to Match Frame, with Nickel Plated Reinforced R.b.

Crank Hanger—Genuine Rugby One Piece; 7 inch Diamond Cranks, Highly Polished

Enamel—Color: Carmine, 2 Gold Stripes.

Frame—20 and 22 inch; One inch, Eighteen Gauge English High Carbon Seamless Tubing Throughout.

Handle Bar—No. Special; No. 30R Corrugated Rubber Grips.

Hubs—Turned from Solid Bar Stock; Tool Steel Cones and Cups.

Pedals—No. 20 Rubber.

Rims—One Piece Rock Elm; Enameled and Striped to Match Frame.

Saddle—Tip Top with Universal Cushion Springs.

Spokes—14-16 Gauge.

Sprockets—26 Tooth Front, 9 Tooth Rear, $\frac{1}{8}$ inch.

Wheels—28 inch.

Wheel Base—43 inches.

Weight Stripped—17 lbs.

COMPLETE BICYCLES

	Each
No. 603R—Regular (See Above Description) No 7028 Good Service Single Tube Tires	**$50 80**
No. 2B603R—No. 2B High Grade Equipment; No. 3028 Good Service Tires	**50 80**
No. 4603R—No. 4 High Grade Equipment, No. 7028 Good Service Single Tube Tires	**52 00**
No. 5C603R—No. 5C High Grade Equipment; No. 90 Rugby Clincher Tires	**55.50**

See Page 2426 For These Equipments.

One in a Crate; Average Weight Crated, 50 lbs.

STRIPPED BICYCLES WITH COASTER BRAKE

Stripped Means Without Tires, Saddle, Pedals, Handle Bar or Tool Bag.

	Each
No. 0603R—With Coaster Brake	**$38.50**

NOTE—Above Prices Include Coaster Brake.

	Per Pair
For Front and Rear Mud Guards, Enameled to Match Frame	Add **$2 00**
For Stand	Add **.80**
For Tool Bag and Tools	Add **1.00**

NOTE—FOR DESCRIPTION OF TIRES SHOWN ON THIS PAGE SEE PAGES 2435, 2436 and 2437.

RUGBY BICYCLES

LADIES' MODEL

"ORIGINATED BY US"

TRADE MARK REGISTERED IN THE U. S. PATENT OFFICE

TRADE MARK REGISTERED IN THE U. S. PATENT OFFICE

FOR OVER 25 YEARS RUGBY BICYCLES HAVE BEEN THE QUALITY LINE OF AMERICA

THE QUALITY ALWAYS THE SAME NOTWITHSTANDING THE PRICE

In This Wheel We Have Combined Every Excellence That Can Enter Into the Building of a Ladies Bicycle, and We Feel Confident That Our No. 604R Series Rugby is Unsurpassed The Frame is Especially Designed to Give the Highest Possible Rigidity and at the Same Time Retain the Easy-Running Qualities. A Wheel That Meets With Approval Wherever Introduced.

SPECIFICATIONS ON REGULAR MODEL

Bearings—Balls: $\frac{5}{32}$ inch in Head; $\frac{5}{16}$ inch in Hangers; ¼ inch in Rear Hub; $\frac{5}{16}$ inch in Front Hub.

Chain—$\frac{3}{16}$ inch Roller Chain.

Connections—Triple Plate Arch Fork Crown, Nickel Plated; Forged Seat Post; Cluster Bolt and Nut Fastening.

Front Fork—With Orient Crown; Enameled to Match Frame Design with Reinforced Nickel Plated Rib.

Crank Hanger—Genuine Rugby One Piece; 7 inch Diamond Cranks, Highly Nickeled.

Enamel—Four Coats, Hand Polished; Carmine, 2 Gold Stripes.

Frame—20 inch; One inch, Eighteen Gauge English High Carbon Seamless Tubing Throughout.

Guards—Steel Front, Rear and Chain Guards; 8 inch Leather Flap on Front Guard; are Light and Graceful Can be Easily Detached; Being Fastened to the Frame by an Ingenious Device, They Cannot Work Loose

Handle Bar—No. RER Rugby; No. 30R Corrugated Rubber Grips.

Hubs—Turned from Solid Bar Stock; Tool Steel Cones and Cups.

Pedals—No Ideal, with Rubbers.

Rims—One Piece, Rock Elm, Enameled and Striped to Match Frame.

Saddle—No. 09RC Rugby

Spokes—14-16 Gauge.

Sprockets—26 Tooth Front, 9 Tooth Rear; $\frac{3}{16}$ inch.

Wheels—28 inch.

Wheel Base—44 inches.

Weight Stripped—22 pounds

COMPLETE BICYCLES

	Each
No. 604R -Regular (See Above Description); No. 7028 Good Service Single Tube Tires	**$57.30**
No. 2B604R—No. 2B High Grade Equipment; No. 3028 Good Service Tires	**57.50**
No. 4604R—No. 4 High Grade Equipment with No. 7028 Good Service Tires..	**58 90**
No. 5C604R—No. 5C High Grade Equipment; No. 90 Rugby Clincher Tires.....	**62 30**

One in a Crate; Average Weight, Crated, 55 lbs.

STRIPPED BICYCLES WITH COASTER BRAKE

Stripped Means Without Tires, Saddle, Pedals, Handle Bar or Tool Bag

	Each
No. 0604R—With Coaster Brake.....	**$45 60**

NOTE—Above Prices Include Coaster Brake

EXTRAS

	Each
For Stand.. . . .. .Add	**80 80**
For Tool Bag, Wrench and Pump..... ...Add	**1 00**

NOTE—FOR DESCRIPTION OF TIRES SHOWN ON THIS PAGE, SEE PAGES 2435, 2436 AND 2437.

Illustration Shows No. 604R Bicycle

TRADE MARK REGISTERED IN THE U. S. PA OFFICE

RUGBY BICYCLES

SCOUT MODEL

"ORIGINATED BY US"

TRADE MARK REGISTERED IN THE U. S. PATENT OFFICE

TRADE MARK REGISTERED IN THE U. S. PATENT OFFICE

FOR OVER 25 YEARS RUGBY BICYCLES HAVE BEEN THE QUALITY LINE OF AMERICA

THE QUALITY ALWAYS THE SAME NOTWITHSTANDING THE PRICE

The Model for All Scouts and Juveniles Who Want a Bicycle That Will Withstand Hard Usage and at the Same Time Retain Its Neat Appearance; Equipped With Diamond Chain, Rugby One Piece Hanger, One Piece Rock Elm Rims Beautifully Enameled, Four Coats, Hand Rubbed Ball Shaped Hubs Tool Steel; The Real Bicycle for the Real Scout.

Illustration Shows No. 628R Bicycle

SPECIFICATIONS

Bearings—Balls: $\frac{5}{32}$ inch in Head; $\frac{5}{16}$ inch in Hanger; $\frac{1}{4}$ inch in Rear Hub; $\frac{5}{16}$ inch in Front Hub; Ball Cases and Cones Ground True; Properly Hardened and Dust Proof.

Chain—$\frac{3}{16}$ inch Roller Chain.

Chain Adjusters—Regular.

Connections—One Piece Drop Forged Fork Crown, Highly Nickeled; Forged Seat Post; Cluster Bolt and Nut Fastening.

Crank Hanger—Rugby One Piece; 5½ inch Diamond Cranks, Highly Nickeled

Enamel—Four Coats, Hand Rubbed; Carmine, 2 Gold Stripes.

Frame—18/16 inch; 18 Gauge English High Carbon Seamless Steel Tubing.

Handle Bar—No. RER Rugby Non-Rust Adjustable; No. 26 Rubber Grips.

Hubs—Bell Shape; Tool Steel Cones, Hardened and Ground; Pressed Cups with Ball Washers Inserted.

Pedals—No. 20.

Rims—One Piece, Rock Elm, Enameled to Match Frame.

Saddle—No. 40RP.

Seat-Post—"L" Pattern.

Spokes—14-16 Gauge.

Sprockets—20 Tooth Front, 9 Tooth Rear; $\frac{3}{16}$ inch.

Tires—No. 3026; Good Service Non-Skid, Single Tube.

One in a Crate; Average Weight, Crated, 47 Pounds

	Each
No. 628R—With Coaster Brake (See Specifications Above)	**$47.90**

EXTRAS

	Per Pair
With Front and Rear Mud Guards to Match Frame	Add **$2.00**

	Each
For Stand	Add **$0.80**
For Tool Bag	**1.00**

NOTE—FOR DESCRIPTION OF TIRES SHOWN ON THIS PAGE, SEE PAGE 2435.

RUGBY BICYCLES

GIRLS' MODEL

"ORIGINATED BY US"

TRADE MARK REGISTERED IN THE U. S. PATENT OFFICE

TRADE MARK REGISTERED IN THE U. S. PATENT OFFICE

FOR OVER 25 YEARS RUGBY BICYCLES HAVE BEEN THE QUALITY LINE OF AMERICA

THE QUALITY ALWAYS THE SAME NOTWITHSTANDING THE PRICE

Our Rugby is Undoubtedly the Best Looking Girls' Juvenile Bicycle On the Market. It Has Many of the Up to Date Features of the Full Size Ladies Rugby. The Equipments—Handle Bar, Saddle, Pedals, Etc., are First Class in Every Respect, All of Which, Including the Tires, are Guaranteed Against Defective Workmanship and Material. Enameled Carmine with Two Gold Stripes. Rims and Guards to Match. Just the Thing for the Young Girl, Having the Appearance of a Grown Up's Wheel, With Added Strength to Withstand Hard Usage. Equipped with Diamond Chain, Rugby Crank Hanger, Rugby Handle Bars, Rugby Saddle and Rat Trap Pedals.

SPECIFICATIONS

Bearings—Balls; $\frac{3}{8}$ inch in Head; $\frac{5}{16}$ inch in Hanger; $\frac{1}{4}$ inch in Rear Hub; $\frac{5}{16}$ inch in Front Hub; Ball Cases and Cones Ground True, Properly Hardened and Dust Proof.

Chain—Roller, $\frac{3}{8}$ inch.

Chain Adjusters—Regular.

Connections—One Piece Drop Forged Fork Crown, Highly Nickeled; Forged Seat Post; Cluster Bolt and Nut Fastening

Crank Hanger—Rugby One Piece; 5½ inch Diamond Cranks, Highly Nickeled.

Enamel—Four Coats, Hand Rubbed; Carmine, 2 Gold Stripes.

Frame—⅞ inch, Eighteen Gauge English High Carbon Seamless Steel Tubing.

Handle Bar—No. JRA Rugby; Non-Rust; Adjustable; No. 14J Grips.

Hubs—Bell Shape; Tool Steel Cones, Hardened and Ground; Pressed Cups with Ball Washers Inserted.

Pedals—Rat Trap No. 1.

Rims—One Piece, Rock Elm, Enameled to Match Frame.

Saddle—No. 10R Rugby.

Seat Post—"L" Pattern.

Spokes—14-16 Gauge.

Sprockets—20 Tooth Front, 9 Tooth Rear; $\frac{3}{16}$ inch.

Tires—Good Service Non-Skid, Single Tube, No. 3026.

Wheel Base—39½ inches.

Illustration Shows No. 607R Bicycle

JUVENILE BICYCLES

	Each
No. 607R—26 inch Wheels; High Grade Equipment; Coaster Brake and Guards	**$49 30**

One in Crate; Weight Crated, 47 lbs.

EXTRAS

	Each
Tool Bag, Wrench and Pump.....Add	**$1.00**
Stand.....Add	**.80**

NOTE—FOR DESCRIPTION OF TIRES SHOWN ON THIS PAGE, SEE PAGE 2435.

TRADE MARK REGISTERED IN THE U. S. PAT OFFICE.

RUGBY BICYCLES

BOYS' MODEL

"ORIGINATED BY US"

TRADE MARK REGISTERED IN THE U. S. PATENT OFFICE

TRADE MARK REGISTERED IN THE U. S. PATENT OFFICE

FOR OVER 25 YEARS RUGBY BICYCLES HAVE BEEN THE QUALITY LINE OF AMERICA

THE QUALITY ALWAYS THE SAME NOTWITHSTANDING THE PRICE

Our Rugby Juvenile Bicycles are Made With the Same High Grade Material and the Same Care as the Rugby Adult Models. They are Built Strong and Serviceable. No Pains or Expense Have Been Spared to Make Them the Best on the Market. A Rugby Bicycle Which Means That it Belongs to the Celebrated Line, and its Excellent Qualities Upholds the Name. Equipped with Rugby Handle Bars, Bell Shaped Hubs, Rugby Saddle and Good Service Tires.

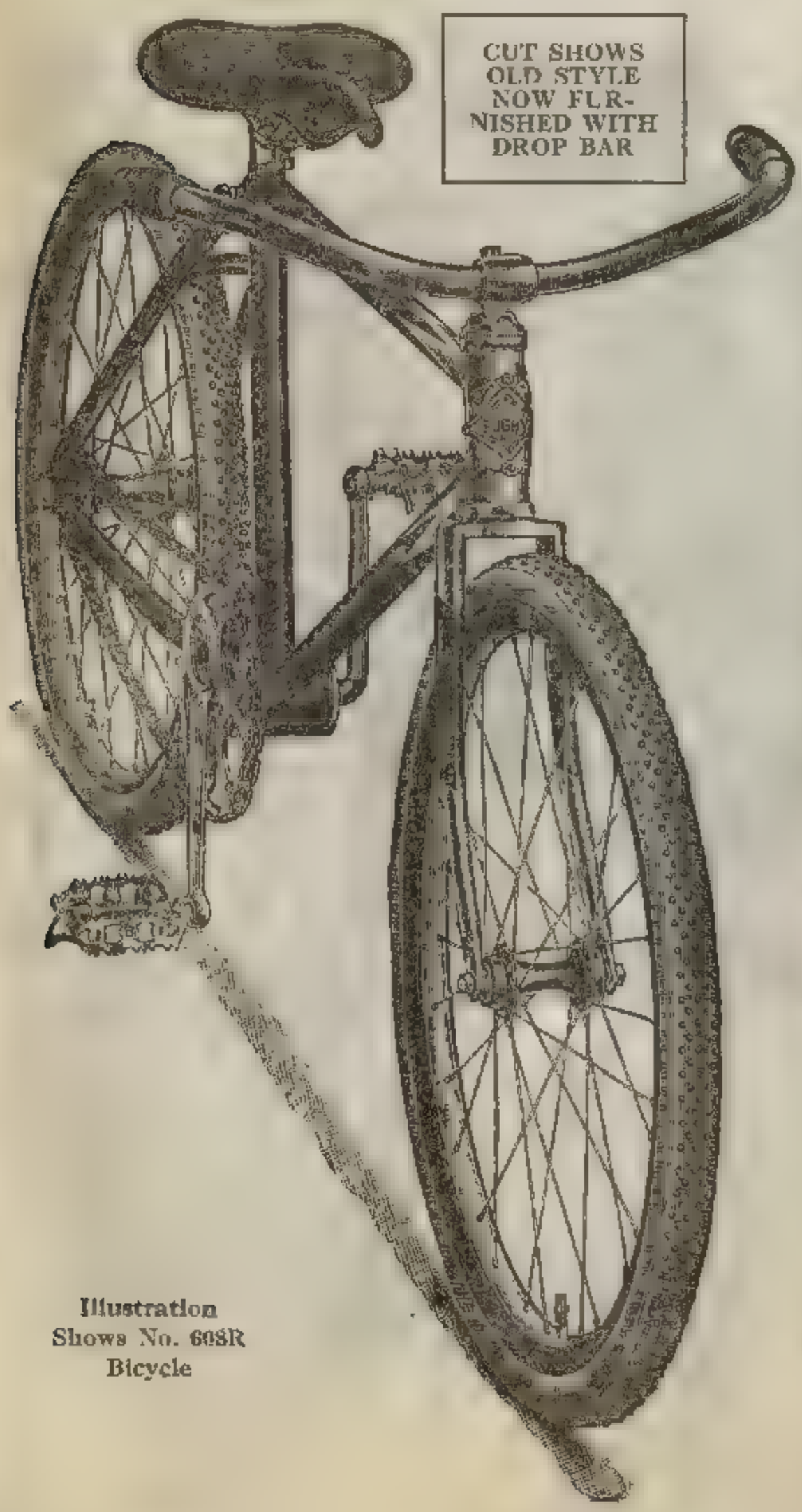


Illustration Shows No. 608R Bicycle

SPECIFICATIONS ON REGULAR MODELS

Bearings—Balls, $\frac{5}{32}$ inch in Head, $\frac{5}{16}$ inch in Hanger; $\frac{1}{4}$ inch in Rear Hub, $\frac{5}{16}$ inch in Front Hub; Ball Cases and Cones Ground True, Properly Hardened and Dustproof.

Chain—Roller, $\frac{3}{8}$ inch.

Chain Adjusters—Regular.

Connections—One Piece Drop Forged Fork Crown, Highly Nickeled; Forged Seat Post, Cluster Bolt and Nut Fastening.

Crank Hanger—Rugby One Piece; 5½ inch Diamond Cranks, Highly Nickeled.

Enamel—Four Coats, Hand Rubbed; Carmine, 2 Gold Stripes.

Frame—18/16 inch; ⅜ inch, Eighteen Gauge English High Carbon Seamless Steel Tubing.

Handle Bar—No. JRA Rugby; Non Rust; Adjustable; No. 14J Grips.

Hubs—Bell Shape; Tool Steel Cones, Hardened and Ground; Pressed Cups with Ball Washers Inserted.

Pedals—No. 1 Rat Trap.

Rims—One Piece, Rock Elm, Enameled to Match Frame.

Saddle—No. 10R Rugby

Seat Post—"L" Pattern.

Spokes—14-16 Gauge.

Sprockets—20 Tooth Front, 9 Tooth Rear; $\frac{3}{16}$ inch.

Tires—Good Service Non-Skid, Single Tube, No. 3026.

Wheel Base—39½ inches.

	Each
No. **608R**—26 inch Wheels; High Grade Equipment and Coaster Brake. One in a Crate; Average Weight, Crated, 45 lbs.	**$40 30**

EXTRAS

	Each
Tool Bag, Wrench and Pump	Add **$1 00**
For Stand	Add **.80**

	Per Pair
For Front and Rear Mud Guards Enameled to Match Frame	Add **$2 00**

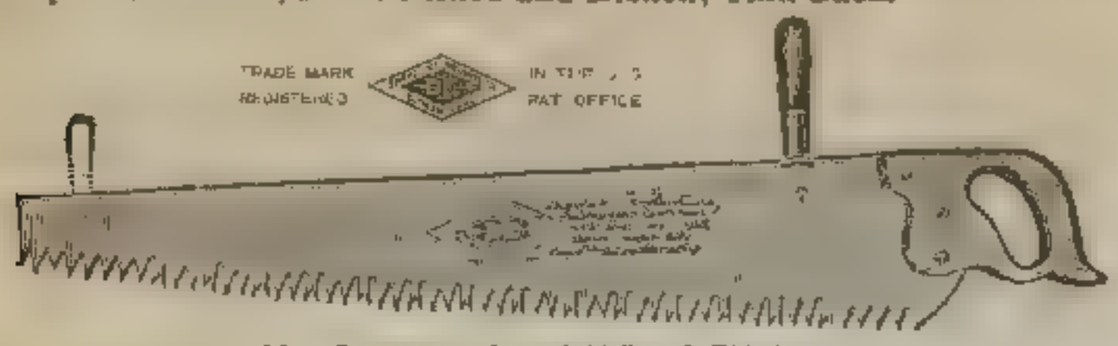
NOTE—FOR DESCRIPTION OF TIRES SHOWN ON THIS PAGE, SEE PAGE 2435.

ONE-MAN CROSS-CUT SAWS

With Supplementary Handle

***DIAMOND EDGE**

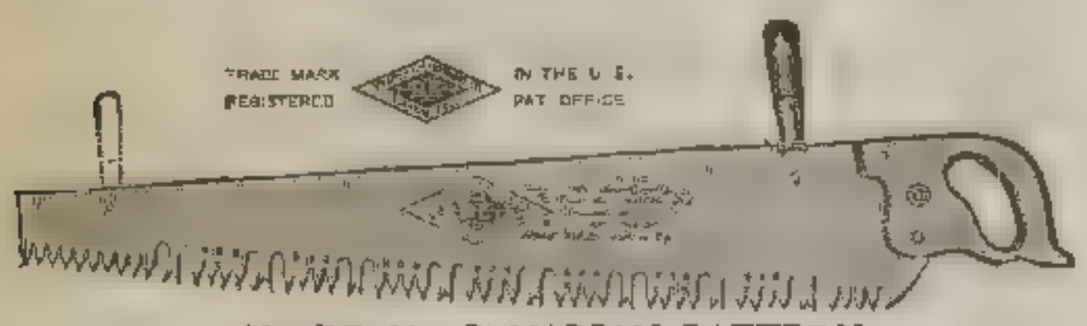
Highest Grade Crucible Saw Steel Blade, Oil Tempered; Ground, Sharpened and Set; Full Polished and Etched; Thin Back.



No. DE302—CHAMPION TOOTH

Beech Handle, Varnished Edges, Three Brass Screws; Beech Supplementary Top Handle.

Length, feet	2½	3	3½	4	4½	5
Weight Each, lbs.	3	4	4½	6	7	8
Each	$3.00	3.60	4.20	4.70	5.30	6.00



No. DE310—CANADIAN PATTERN

Lance Tooth, Perforated

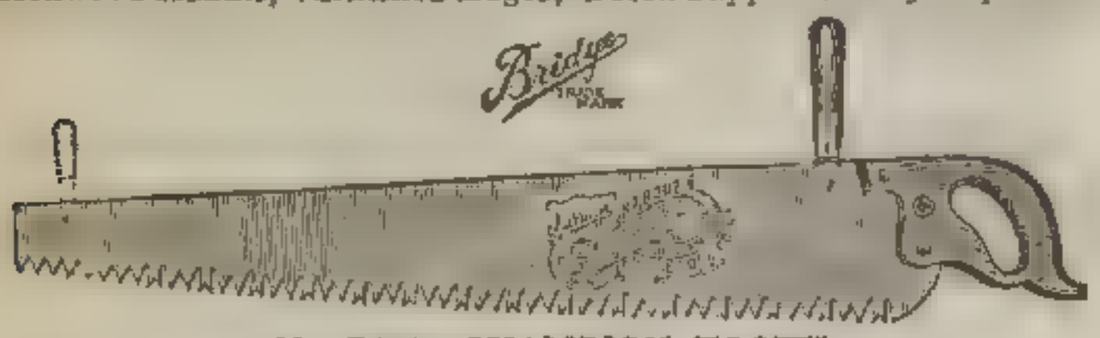
Beech Handle, Varnished Edges, Three Brass Screws; Beech Supplementary Top Handle.

Length, feet	2½	3	3½	4	4½	5
Weight Each, lbs.	2¾	3½	5	5¾	6½	7½
Each	$3.20	4.00	4.50	5.20	6.00	6.50

Loose

BRIDGE

Extra Quality Crucible Saw Steel Blade, Polished and Etched; Oil Tempered, Carefully Ground, Sharpened and Set; Three Brass Screws; Leechwood Handle, Varnished Edges; Beech Supplementary Top Handle.

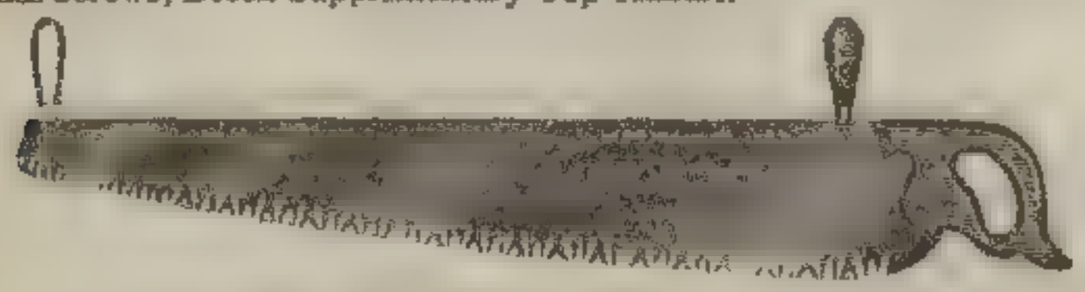


No. B302—CHAMPION TOOTH

Lgth., feet	2½	3	3½	4	4½	5
Wt. Ea. lbs.	2¾	3¾	4½	5½	7	8
Each	$3.00	3.50	4.30	4.80	5.50	6.00

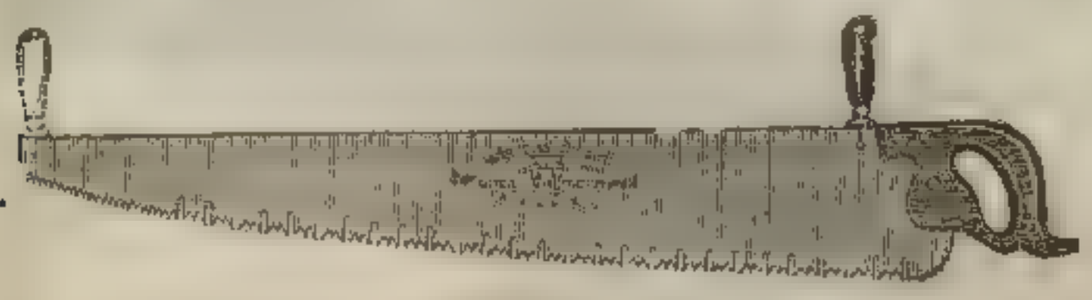
DISSTON

High Grade Steel Blade, Perfectly Tempered, Set and Sharpened Polished and Hand Etched; Thin Back; Beech Handle, Varnished Edges Brass Screws; Beech Supplementary Top Handle.



No. D302—CHAMPION TOOTH

Length, feet	3	3½	4	4½	5	5½
Weight Each, lbs.	3¾	4½	5½	6	7½	8
Each	$4.40	5.20	5.90	6.60	7.40	8.00



No. D300—GREAT AMERICAN TOOTH

Length, feet	3	3½	4	4½	5
Wt. Each, lbs.	3¾	4½	5½	6	7
Each	$4.80	5.60	6.40	7.10	8.00

Loose

CROSS-CUT SAW HANDLES

***DIAMOND EDGE**

Malleable Iron Loop

Solid Iron Combination Steel Plug and Nut; Polished Maple Handle; Malleable Iron Bell Ferrule and Cap, Painted Red.

Per Pair

No. DE8—13½ inch Handle; 4¼ inch Loop; 2 inch Ferrule; Weight per Pair 2 lbs. **$1.10**

Twelve Pair in a Carton

***DIAMOND EDGE**

Reversible; Red Painted Malleable Iron Sheaths; Tinned Bolt and Thumb Nut; Weight per Pair, 1½ lbs.

Per Pair

No. DE11—Handle 15½ inch Polished Ash **$1.00**

Twelve Pair in a Carton

ATKINS

Wrought Loop

Solid Iron Combination Plug and Nut; Varnished Hardwood Handle; Malleable Iron Bell Ferrule and Cap, Painted Black.

Comparative to Ely No. 16; Disston No. 110.

Per Pair

No. 12—9½ inch Handle; 4 inch Loop; 2 inch Ferrule; Weight per Pair 2 lbs. **$1.00**

Twelve Pair in a Carton

ATKINS

Malleable Iron Loop

Solid Iron Combination Plug and Nut; Varnished Beech Handle; Malleable Iron Bell Ferrule and Cap, Painted Black.

Comparative to Ely No. 2M; Simonds No. 88.

Per Pair

No. 8—10 inch Handle; 4¼ inch Loop; 2 inch Ferrule; Weight per Pair 1¾ lbs. **$0.85**

Twelve Pair in a Carton

ATKINS

Heavy Patent Swivel Malleable Loop

Varnished Beech Handle; Malleable Iron Ferrule and Swivel; Combination Plug and Nut.

Comparative to Ely No. 6; W. M. C. Co. No. 3.

Per Pair

No. 3—10 inch Handle; 4 inch Loop; 1½ inch Ferrule; Weight per Pair 2 lbs. **$1.00**

Twelve Pair in a Carton

CRESCENT

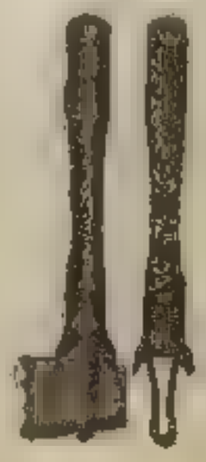
Heavy Malleable Loop

Loop Screwed to Bolt, Which Extends Through Handle and is Riveted at End; Wax Finish Beech Handle; Malleable Cap and Ferrule, Painted Black.

Per Pair

No. 25—12 inch Handle, Including 2¾ inch Cuff; 4 inch Loop; Weight per Pair 2 lbs... $1.65

Twelve Pair in a Carton

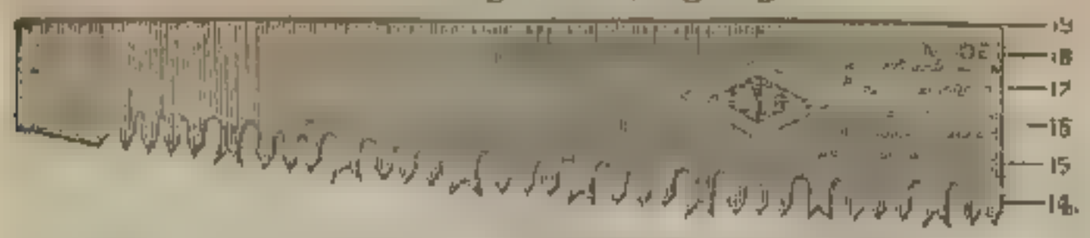


CROSS-CUT SAWS

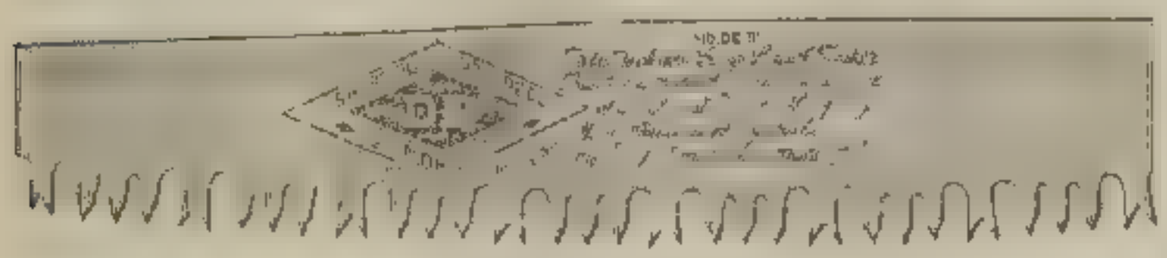
★ DIAMOND EDGE

TRADE MARK REGISTERED IN THE U S PAT OFFICE.

Made of Finest Grade Saw Steel Tempered in Oil; Polished and Etched; Filed by Hand and Gullets Filed Clean. Ground by a Special Process from Center of Back Edge to Cutting Edge.



Cut Shows Method of Grinding Diamond Edge Saws

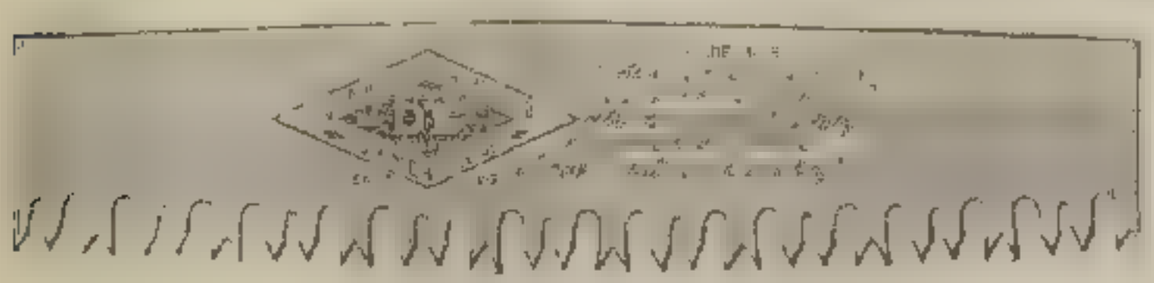


LANCE TOOTH

14 Gauge at Tooth Edge; Back, 16 Gauge at Ends, Tapering to 19 Gauge at Center; Polished and Etched.

No. DL119—14x19 Gauge

Length, Feet	**5**	**5½**	**6**	**6½**
Width at Center, inches	6⅝	7	7¼	7⅜
Weight Each, lbs.	5	5¼	7⅜	8⅛
Each, Without Handles	**$9.20**	**10.50**	**11.50**	**12.50**

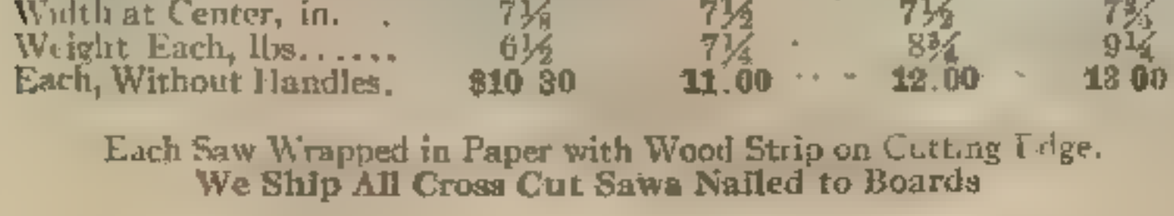


DIAMOND TOOTH

14 Gauge at Tooth Edge; Back, 16 Gauge at Ends, Tapering to 18 Gauge at Center; Polished and Etched

No. DE148—14x18 Gauge

Length, Feet	**5½**	**6**	**6½**
Width at Center, inches	6⅞	7¼	7⅜
Weight Each, lbs	6	7¼	8
Each, Without Handles	**$9.60**	**10.00**	**11.50**

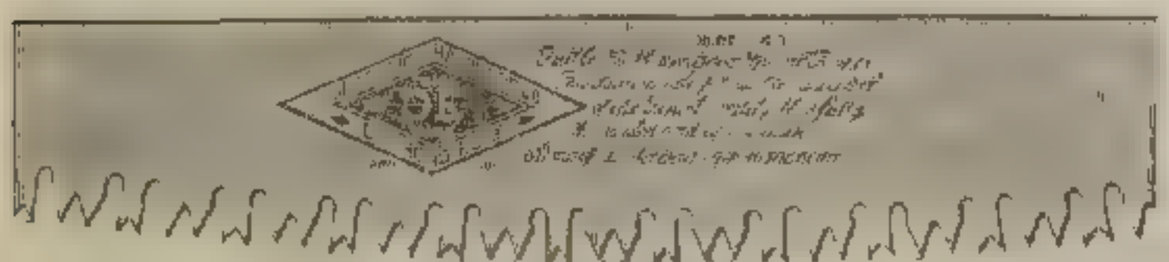


LANCE TOOTH—PERFORATED

14 Gauge at Tooth Edge; Back, 16 Gauge at Ends, Tapering to 19 Gauge at Center; Polished and Etched.

No. DE1419—14x19 Gauge

Length, Feet	**5½**	**6**	**6½**	**7**
Width at Center, in	6⅛	6⅜	6¾	7⅛
Weight Each, lbs.	5⅔	6⅓	7¼	8⅓
Each, Without Handles	**$11.00**	**12.20**	**13.50**	**15.00**



TUTTLE TOOTH

14 Gauge at Tooth Edge; Back, 16 Gauge at Ends, Tapering to 19 Gauge at Center; Polished and Etched.

No. DE149—14x19 Gauge

Length, Feet	**5½**	**6**	**6½**	**7**
Width at Center, in.	7⅛	7½	7½	7⅝
Weight Each, lbs.	6½	7¼	8¾	9¼
Each, Without Handles	**$10 30**	**11.00**	**12.00**	**13 00**

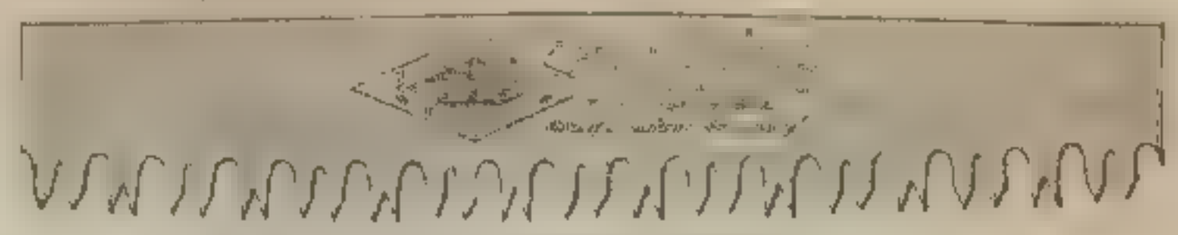
Each Saw Wrapped in Paper with Wood Strip on Cutting Edge.
We Ship All Cross Cut Saws Nailed to Boards

CROSS-CUT SAWS

★ DIAMOND EDGE

TRADE MARK REGISTERED IN THE U S PAT OFFICE.

Made of Finest Grade Saw Steel Tempered in Oil; Polished and Etched, Filed by Hand and Gullets Filed Clean. Ground by a Special Process from Center of Back Edge to Cutting Edge.

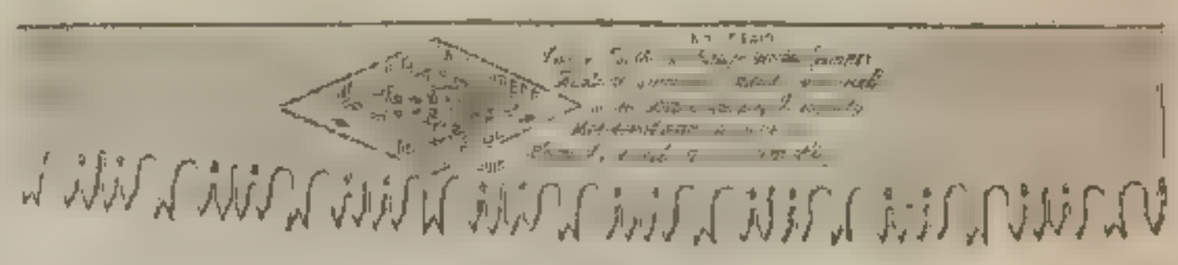


DIAMOND TOOTH

14 Gauge at Tooth Edge; Back, 16 Gauge at Ends, Tapering to 18 Gauge at Center; Polished and Etched.

No. DEX148—14x18 Gauge

Length, Feet	**5½**	**6**	**6½**
Width at Center, inches	5⅜	5½	5⅝
Weight Each, lbs.	4⅓	5½	6
Each, Without Handles	**$10.00**	**11 00**	**12.00**

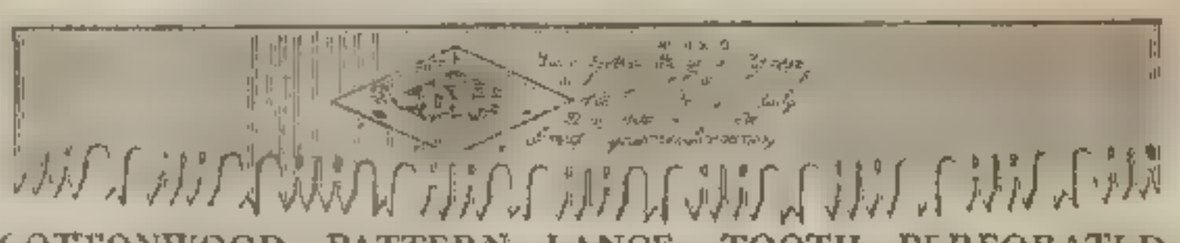


Moss Back LANCE TOOTH—PERFORATED

14 Gauge at Tooth Edge; Back, 16 Gauge at Ends, Tapering to 18 Gauge at Center; Polished and Etched

No. DE1418—14x18 Gauge

Length, Feet	**5½**	**6**	**6½**	**7**
Width at Center, in.	5¾	6¼	6½	6¾
Weight Each, lbs	6	6	7½	8⅓
Each, Without Handles	**$10.50**	**11.50**	**12.50**	**14.50**



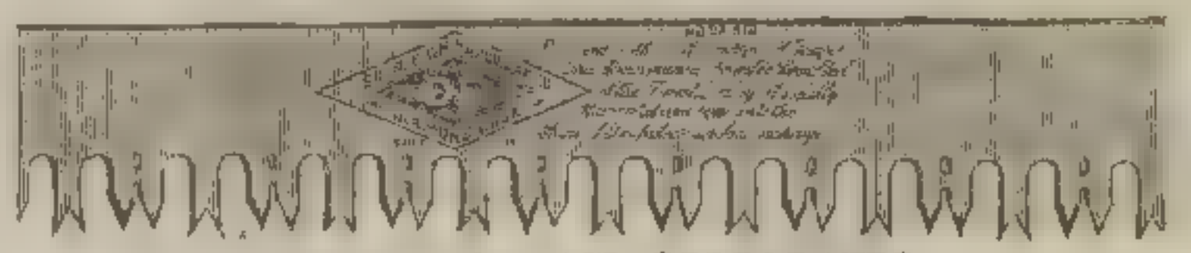
COTTONWOOD PATTERN—LANCE TOOTH—PERFORATED

Medium Width Blade; Four Cutting Teeth to One Raker Tooth.

14 Gauge at Tooth Edge; Back, 16 Gauge at Ends, Tapering to 19 Gauge at Center; Polished and Etched.

No. DEX19—14x18 Gauge

Length, Feet	**5½**	**6**	**6½**	**7**
Width at Center, in.	5½	5¼	6	6¼
Weight Each, lbs	5¼	6	6½	7¼
Each, Without Handles	**$10.80**	**12.30**	**14.30**	**15.50**



DIAMOND TOOTH—PERFORATED

Medium Width Blade; Two Cutting Teeth to One Raker Tooth.

14 Gauge at Tooth Edge; Back, 16 Gauge at Ends, Tapering to 19 Gauge at Center, Polished and Etched.

No. DEX14—14x19 Gauge

Length, Feet	**6**	**6½**
Width at Center, inches	5¾	6
Weight Each, lbs.	6	6½
Each, Without Handles	**$12.30**	**14.30**

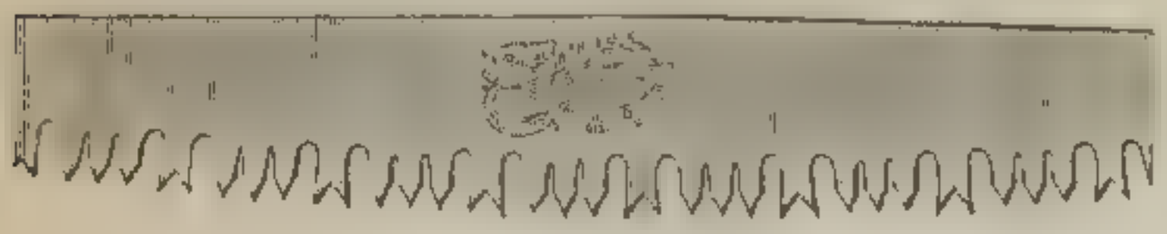
Each Saw Wrapped in Paper with Wood Strip on Cutting Edge.
We Ship All Cross Cut Saws Nailed to Boards.

THE SHAPLEIGH MAIL ORDER SERVICE IS ORGANIZED TO BE OF SERVICE TO THE DEALER—TO HELP YOU. IT WILL ENABLE YOU TO KEEP YOUR STOCK UP BY ORDERING BY MAIL EVERY TIME YOU HAVE ENOUGH WEIGHT FOR SHIPMENT.

CROSS-CUT SAWS

★BRIDGE

Made of Extra Quality Saw Steel; Polished and Etched; Tempered in Oil; Carefully Ground, Filed and Set.



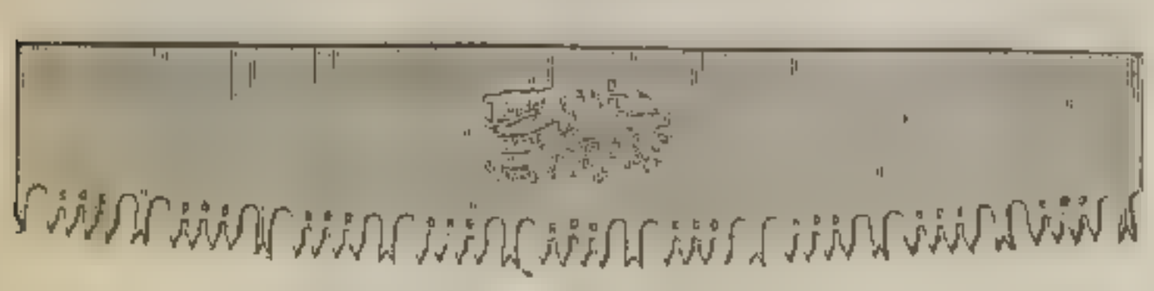
LANCE TOOTH

No. B118—14x18 Gauge

14 Gauge at Cutting Edge; 18 Gauge at Back Edge

Length, Feet	5	5½	6
Width at Center, in	6¾	7	7¼
Weight Each, lbs	5½	6½	7
Each, without Handles	$7 30	7.80	9.00

Loose



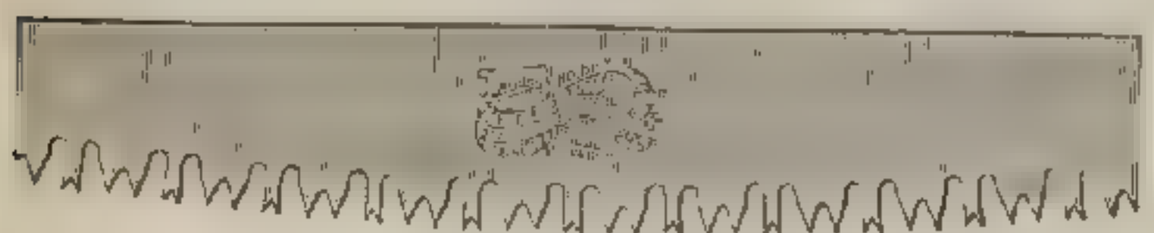
LANCE TOOTH—PERFORATED

No. B100—14x18 Gauge

14 Gauge at Cutting Edge; 18 Gauge at Back Edge

Length, Feet	5½	6	6½	7
Width at Center, in	7	7⅛	7⅓	7¾
Weight Each, lbs	6	7	7½	8
Each, without Handles	$8.50	9.30	10.00	11.00

Loose



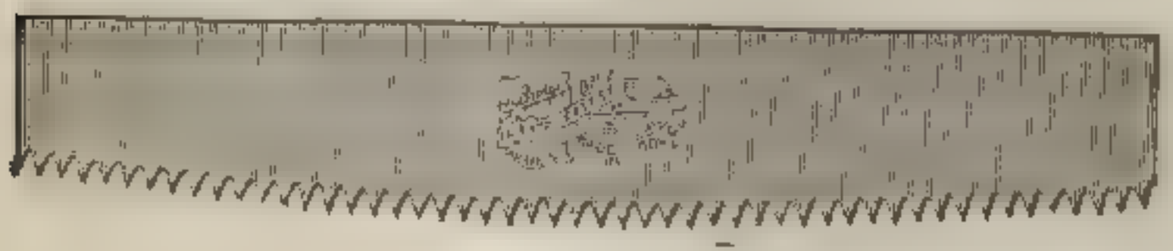
TUTTLE TOOTH

No. B148—14x18 Gauge

14 Gauge at Cutting Edge; 18 Gauge at Back Edge

Length, Feet	5	5½	6	6½
Width at Center, in	6⅞	7	7⅛	7⅜
Weight Each, lbs	5	5½	7	8
Each, without Handles	$7.20	7.70	8.50	9.30

Loose



PLAIN TOOTH

No. BP2—14x16 Gauge

14 Gauge at Cutting Edge; 16 Gauge at Back Edge

Length, Feet	4½	5	5½	6
Weight Each, lbs	4⅓	6	6½	7
Width at Center, in	6⅝	6¾	7	7⅛
Each, without Handle	$6.00	6.60	7.70	8.50

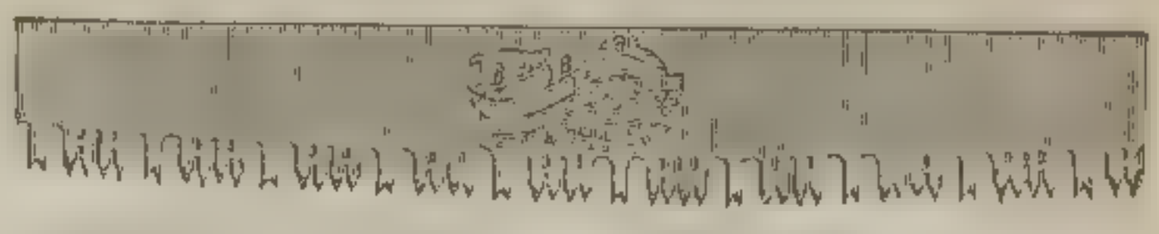
Loose

We Ship All Cross-Cut Saws Nailed to Boards

CROSS-CUT SAWS

★BRIDGE

Made of Extra Quality Saw Steel; Polished and Etched; Tempered in Oil; Carefully Ground, Filed and Set.



COTTONWOOD PATTERN—LANCE TOOTH—PERFORATED

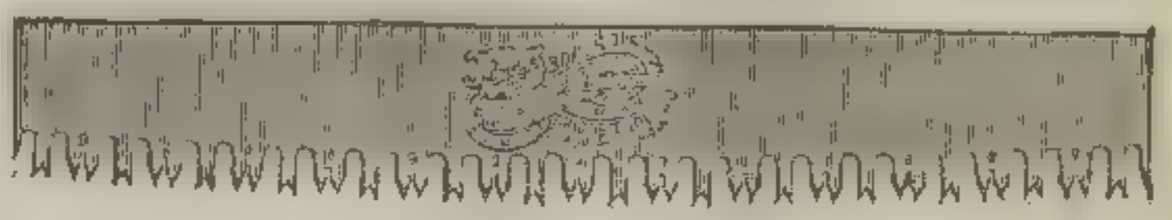
No. BL148—14x19 Gauge

Medium Width Blade; Four Cutting Teeth to One Raker Tooth; 14 Gauge at Tooth Edge; Back, 16 Gauge at Ends, Tapering to 19 Gauge at Center.

Length, Feet	5½	6
Width at Center, inches	5½	5¾
Weight Each, lbs	5¼	6
Each, without Handles	$9.50	9.40

Length, Feet	6½
Width, at Center, inches	6
Weight Each, lbs	8¼
Each, without Handles	$10.70

Loose



DIAMOND TOOTH

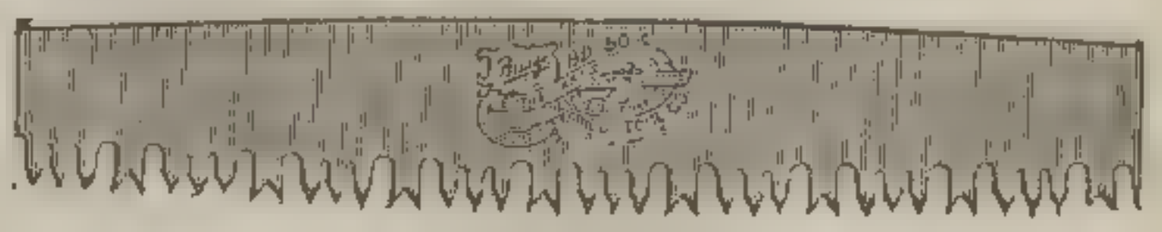
No. BDP151—14x19 Gauge

Medium Width Blade; Two Cutting Teeth to One Raker Tooth; 14 Gauge at Tooth Edge; Back, 16 Gauge at Ends, Tapering to 19 Gauge at Center.

Length, Feet	5½	6
Width at Center, inches	5⅔	5¾
Weight Each, lbs	5¼	6
Each, without Handles	$9.50	10.00

Length, Feet	6½
Width, at Center, inches	6
Weight Each, lbs	6½
Each, without Handles	$10 70

Loose



DEXTER TOOTH

No. BD150—14x18 Gauge

Medium Width Blade; Three Cutting Teeth to One Raker Tooth; 14 Gauge at Tooth Edge; Back, 16 Gauge at Ends, Tapering to 18 Gauge at Center.

Length, Feet	5½	6
Width at Center, inches	5½	5¾
Weight Each, lbs	5¼	6
Each, without Handles	$9.50	10.00

Length, Feet	6½
Width at Center, inches	8
Weight Each, lbs	6½
Each, without Handles	$10.70

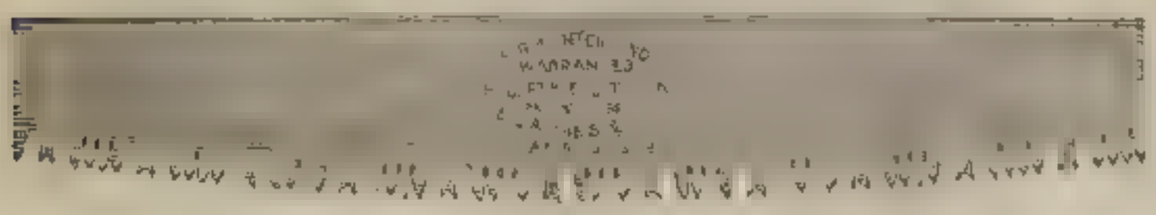
Loose

We Ship All Cross-Cut Saws Nailed to Boards .

CROSS CUT SAWS

E. C. ATKINS & CO.

Made of High Grade Crucible Steel, Evenly Tempered, Carefully Ground, Sharpened and Set; Polished and Etched; Segment Grinding Consists in Grinding Away the Central Portion of the Plate, Extending from the Back to Within about Two Inches of the Cutting Edge, Leaving the Saw Strong at the Ends and Allowing for Wear on the Tooth Side Without Making the Saw Thinner in the Center than at the Ends.

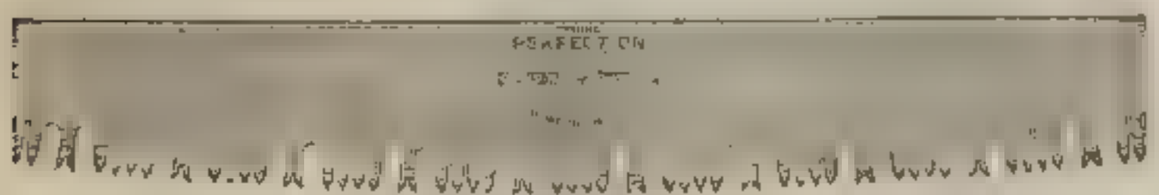


No. 5
PERFECTION LANCE TOOTH, PERFORATED

Made in Silver Steel Only; 14 Gauge at Cutting Edge; 16 Gauge at Ends on Back; 20 Gauge at Center of Back Edge.

Length, Feet	5½	6	6½	7
Width at Center, inches	7	7⅛	7½	8
Weight Each, lbs.	5	7	7½	8
Each, Without Handles	$10 80	12.40	14 50	15.80

Loose



No. 4
PERFECTION, No. 4 BLADE; COTTON WOOD PATTERN, LANCE TOOTH, PERFORATED

Narrow Width, for Cutting Cottonwood and Other Soft Woods.

Silver Steel; 14 Gauge at Cutting Edge, 16 Gauge at Ends on Back, 20 Gauge at Center of Back Edge.

Length, Feet	6	6½	7
Width at Center, inches	6	6⅜	6⅝
Weight Each, lbs	6	6½	7
Each, without Handles	$12 40	14.50	15.80

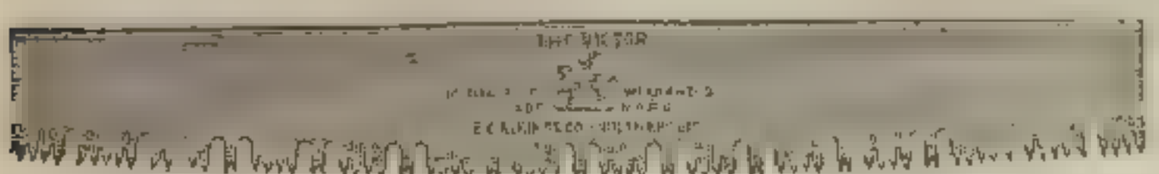
Loose

No. 3
PEERLESS

Silver Steel; Thin Back Narrow Blade, 14 Gauge at Cutting Edge, 16 Gauge at Ends on Back, 20 Gauge at Center of Back Edge.

Length, Feet	6	6½	7
Width at Center, inches	6	6⅛	6⅝
Weight Each, lbs	6	7	7¼
Each without Handles	$12 40	14.50	15.80

Loose



No. 225
VICTOR, LANCE TOOTH, PERFORATED

High Grade, Oil Tempered Special Steel; Properly Ground and Set **14 Gauge at Tooth Edge, 18 Gauge at Back Edge.** This Saw is Much Liked and Largely Used in the Northwestern Country.

Length, Feet	5	5½	6	6½	7
Width at Center, inches	5	6¼	6¾	6¾	6½
Weight Each, lbs.	4¾	5¼	7	7½	6½
Each, without Handles.	$8.80	9.60	10.50	11.40	12.30

Loose

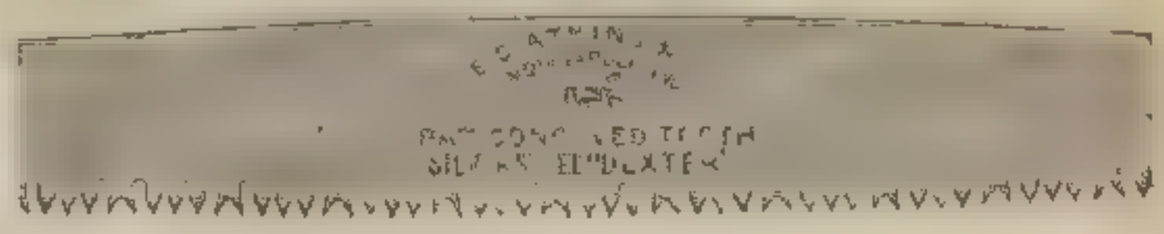
All Above Wood Stripped on Cutting Edge

NOTE—The following Numbers of Saws can be Furnished Toothed to the End from Factory only, at same Prices as Regular Stock: Nos. 5, 4 and 3.

CROSS CUT SAWS

E. C. ATKINS & CO.

Made of High Grade Crucible Steel, Evenly Tempered, Carefully Ground, Sharpened and Set; Polished and Etched; Segment Grinding Consists in Grinding Away the Central Portion of the Plate, Extending from the Back to Within About Two Inches of the Cutting Edge, Leaving the Saw Strong at the Ends and Allowing for Wear on the Tooth Side Without Making the Saw Thinner in the Center Than at the Ends.



DEXTER TOOTH

Thin Back

No. 219—Special Steel, 14x18 Gauge

Length, Feet	5½	6	6½	7
Width at Center, inches	6½	7	7¾	8
Weight Each, lbs.	6	7	8½	10
Each, Without Handles	$9.00	9.80	10.60	11.40

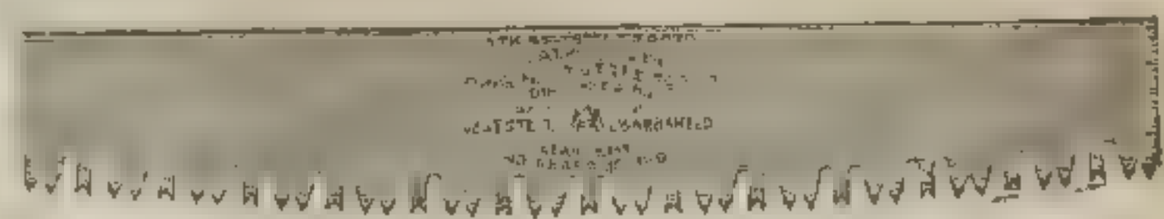
No. 220—Special Steel, 14x19 Gauge

Length, Feet	6	6½	7
Width at Center, in.	7	7¾	8
Weight Each, lbs	7	8½	10
Each, Without Handles	$9.80	10 60	11.40

No. 20—Silver Steel, 14x19 Gauge

Length, Feet	6	6½	7
Width at Center, inches	7	7¾	8
Weight Each, lbs	7	8½	10
Each, Without Handles	$12 40	14.50	15.80

Loose



TUTTLE TOOTH

Thin Back

No, 330—Special Steel, 14x16 Gauge

Length, Feet	5½	6	6½	7
Width at Center, inches	7	7⅛	7⅜	8
Weight Each, About, lbs.	5½	7	8	10
Each, without Handles	$6.50	7.10	7.70	8.30

No. 331—Special Steel, 14x18 Gauge

Length, Feet	5	5½	6	6½	7
Width, Center, inches	6⅞	7	7⅛	7⅜	8
Weight Each, lbs	5	5½	7	8	10
Each, without Handles	$6.90	7.60	8.30	9.00	9.70

No. 332—Special Steel. 14x19 Gauge

Length, Feet	5½	6	6½	7
Width, Center, inches	7	7⅛	7⅜	8
Weight each, lbs.	5½	7	8	10
Each, without Handles	$8 20	8.90	9.60	10 40

Loose

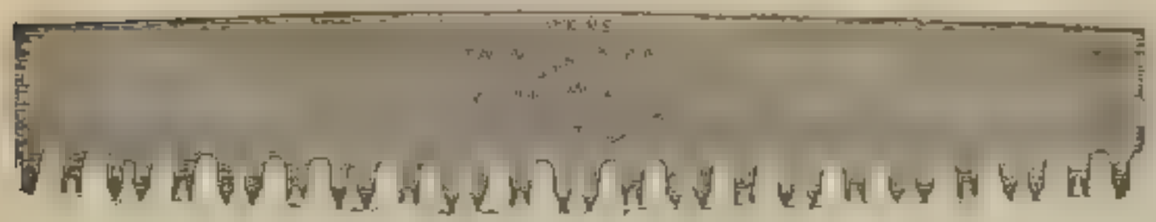
All Above Wood Stripped on Cutting Edge

NOTE—The following Numbers of Saws can be Furnished Toothed to the End from Factory only, at same Prices as Regular Stock; No. 219, 220 and 20.

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE.

CROSS-CUT SAWS

E. C. ATKINS & CO.



No. 222 DIAMOND TOOTH

Special Steel, Thin Back, 14x18 Gauge

Length, Feet	5½	6	6½
Width at Center, inches	6¼	7	7⅝
Weight each about, lbs	6½	7	8½
Each, without Handles	$8 20	8 90	9.60

Loose

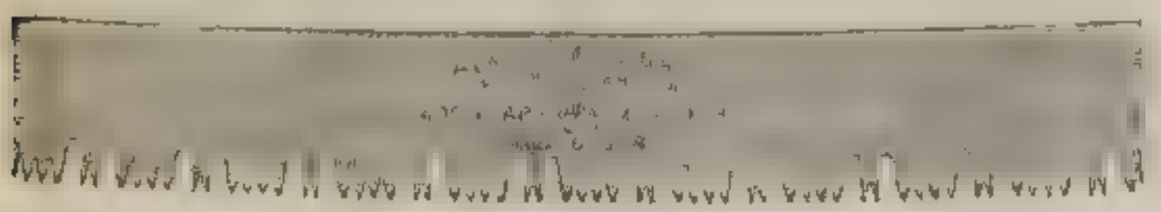
No. 223 LONE STAR DIAMOND TOOTH

Special Cast Steel, Thin Back, 14x18 Gauge

Length, Feet	5½	6	6½	7
Width at Center, inches	5⅜	5½	5⅝	6
Weight Each, lbs	4½	5½	6	6½
Each, without Handles	$8.20	8.90	9.60	10 40

Loose

NOTE—Nos. 222 and 223 Saws can be furnished Toothed to the ends by shipping direct from Factory at same prices as regular stock.



MOSS BACK (Illustration shows Lance Tooth, Perforated)

Segment Ground; 14 Gauge at Tooth Edge, 18 Gauge at Back Edge

Embodying all the Improvements in Crosscut Saws, Practical Uniformity of Thickness of the Toothed Edge; Thin Back; Hollow Back; Stiff Ends, Hand Brought Down to Line of Cut; Perforated Blade, Diamond Tooth and Raker, Segment Ground; High Grade of Steel; Hard and Tough Temper; Perfection in Manufacture and Finish;

✣No. 276 -Special Steel, Dexter Concave Tooth (Not Perforated)

Length, Feet	4	4½	5
Width at Center, in	5	5¼	5½
Weight Each, lbs	3½	4	4½
Each, without Handles.	$7 65	8 90	9 90

Length, Feet	5½	6	6½
Width at Center, inches	5¾	6¼	6½
Weight Each, lbs.	5	6	7½
Each, without Handles.	$10.90	11 90	12.90

Length, Feet	7	7½	8
Width at Center, inches	6¾	7	7¼
Weight Each, lbs	8½	10	11
Each, without Handles.	$13 85	14.85	15.85

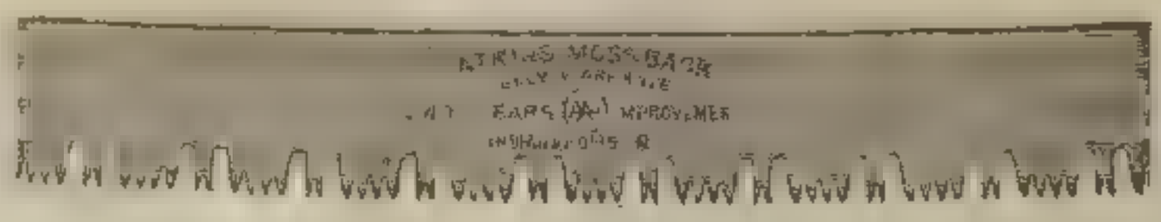
Loose.

All Above Wood Stripped on Cutting Edge

IF YOU WISH TO GIVE US ANY SPECIAL INSTRUCTIONS IN REGARD TO THE HANDLING OF YOUR MAIL ORDER, PLEASE ADVISE US AS IT IS OUR DESIRE TO HANDLE THEM JUST THE WAY THAT YOU LIKE FOR US TO DO SO.

CROSS-CUT SAWS

E. C. ATKINS & CO.



MOSS BACK (Illustration shows Lance Tooth, Perforated)

Segment Ground; 14 Gauge at Tooth Edge, 18 Gauge at Back Edge

Embodying all the Improvements in Cross-cut Saws, Practical Uniformity of Thickness of the Toothed Edge; Thin Back; Hollow Back, Stiff Ends; Hand Brought Down to Line of Cut; Perforated Blade; Diamond Tooth and Raker, Segment Ground, High Grade of Steel; Hard and Tough Temper; Perfection in Manufacture and Finish;

✣No. 278—Special Steel, Lance Tooth, Perforated

Length, Feet	4	4½	5	5½	6
Width at Center, in	5	5¼	5½	5¾	6¼
Weight Each, lbs.	3½	4	4½	5	6
Each, without Handles.	$6 95	7 80	8 65	9.35	10.40

Length, Feet	6½	7	7½	8
Width at Center, inches	6½	6¾	7	7¼
Weight Each, lbs.	7½	8½	10	11
Each, without Handles	$11.25	12.15	13.00	13.90

✣No. 273—Special Steel, Tuttle Tooth, Perforated

Length, Feet	4	4½	5	5½	6
Width at Center, in.	5	5¼	5½	5¾	6¼
Weight Each, lbs.	3½	4	4½	5	6
Each, without Handles.	$8 95	7.80	8 65	9 35	10.40

Length, Feet	6½	7	7½	8
Width at Center, inches	6½	6¾	7	7¼
Weight Each, lbs.	7½	8½	10	11
Each, without Handles	$11 25	12 15	13 00	13.90

✣No. 277—Special Steel, Lance Tooth (Not Perforated)

Length, Feet	4	4½	5	5½	6
Width at Center, in.	5	5¼	5½	5¾	6¼
Weight Each, lbs	3½	4	4½	5	6
Each, without Handles	$6 55	7.35	8 20	9.00	9.80

Length, Feet	6½	7	7½	8
Width at Center, inches	6½	6¾	7	7¾
Weight Each, lbs.	7½	8½	10	11
Each, without Handles	$10.60	11.45	12.25	13.05

✣No. 272—Special Steel, Tuttle Tooth (Not Perforated)

Length, Feet	4	4½	5	5½	6
Width at Center, in.	5	5¼	5½	5¾	6¼
Weight Each, lbs.	3½	4	4½	5	6
Each, without Handles.	$6 55	7.35	8 20	9.00	9.80

Length, Feet	6½	7	7½	8
Width at Center, inches	6½	6¾	7	7¼
Weight Each, lbs.	7½	8½	10	11
Each, without Handles	$10 60	11 45	12 25	13.05

Loose

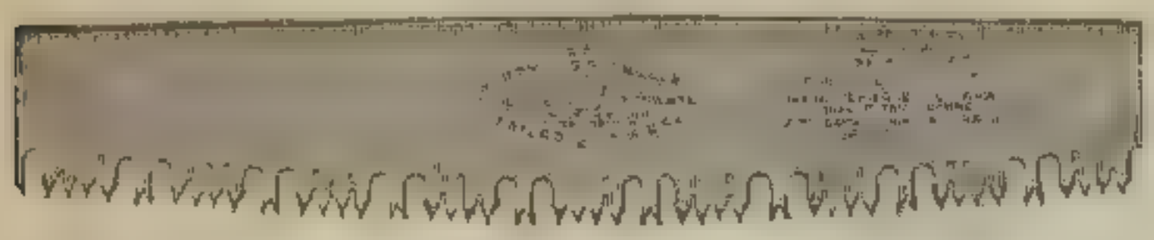
All Above Wood Stripped on Cutting Edge

Items Marked ✣ Not Carried in Stock Can Only Be Furnished by Shipping Direct from Factory, F. O. B., Indianapolis, Ind.

CROSS-CUT SAWS

HENRY DISSTON & SONS

Made of Best Grade Crucible Cast Steel; Perfectly Tempered in Oil; Carefully sharpened and Set; Polished and Etched; Ground to an Even Gauge Throughout the Tooth Edge, with a Relative and Uniform Thickness Throughout the Body to a Thin or Extra Thin Edge at Back Edge, Giving the Saw a Maximum Amount of Clearance Without Sacrificing its Elasticity and Stiffness.



No. DPL

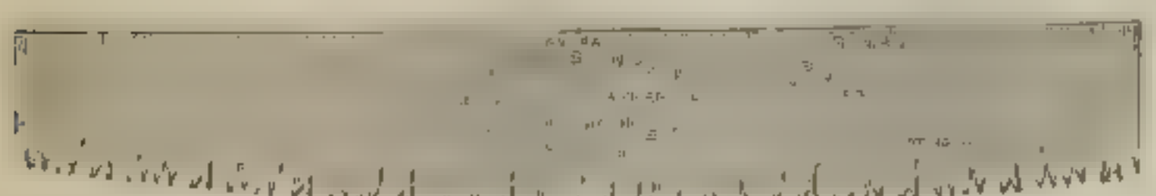
PERFORATED LANCE TOOTH, WIDE

14 Gauge Cutting Edge; 18 Gauge at Back Edge

Length, Feet	5	5½
Width at Center inches	6½	7
Weight Each, lbs	5	6¼
Each, without Handles	$8.90	9.80

Length, Feet	6
Width at Center, inches	7¼
Weight Each, lbs	8
Each, without Handles	$10 00

Loose



No. 495

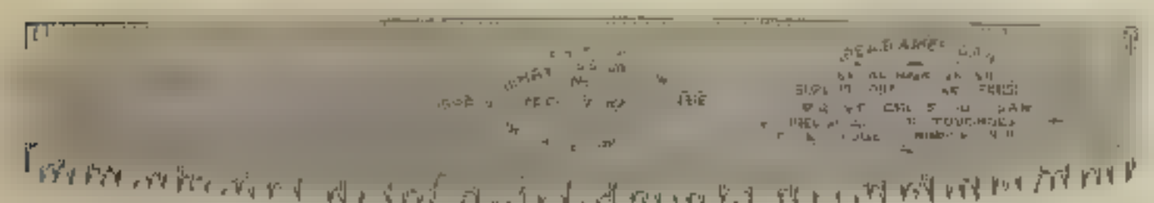
SUWANEE

14 Gauge at Tooth Edge; 20 Gauge at Back Edge

Length, Feet	5	5½
Width at Center, inches	6 3/16	6 11/16
Weight Each, lbs	5	6¼
Each, without Handles	$9.30	10.90

Length, Feet	6	6½
Width at Center, inches	7 1/16	7 3/4
Weight Each, lbs	8	8¾
Each, without Handles	12.50	14.70

Loose



No. DGA

GREAT AMERICAN TOOTH

14 Gauge at Tooth Edge; 19 Gauge at Back Edge

This Style of Tooth is Easily Kept in Order and as it Takes Less Hold Upon the Leg, Requires Less Effort to Drive it.

Length, Feet	5	5½	6
Width at Center, inches	6¾	7	7¼
Weight Each, lbs	4½	6½	7
Each, without Handles	$7.60	8.40	9.20

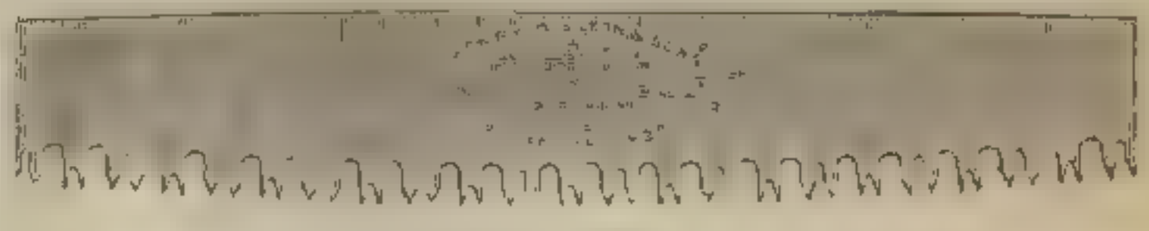
Loose

All Above Wood Stripped on Cutting Edge

CROSS-CUT SAWS

HENRY DISSTON & SONS

Made of Best Grade Crucible Cast Steel; Perfectly Tempered in Oil; Carefully Sharpened and Set, Polished and Etched, Ground to an Even Gauge Throughout the Tooth Edge, with a Relative and Uniform Thickness Throughout the Body to a Thin or Extra Thin Edge at Back Edge, Giving the Saw a Maximum Amount of Clearance Without Sacrificing its Elasticity and Stiffness.



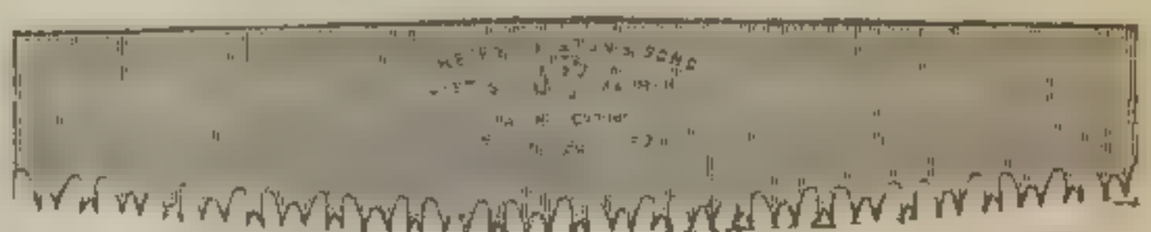
No. DD102

(2) DIAMOND TOOTH

14 Gauge at Tooth Edge; 16 Gauge at Back Edge; Two Cutting Teeth to One Raker Tooth.

Length, Feet	5	5½	6	6½	7
Width at Center, inches	6½	7	7¼	7½	7¾
Weight Each, lbs	5	6¼	8	8½	9½
Each, without Handles	$7.00	7.70	8.40	9.10	9.80

Loose



No. DC02

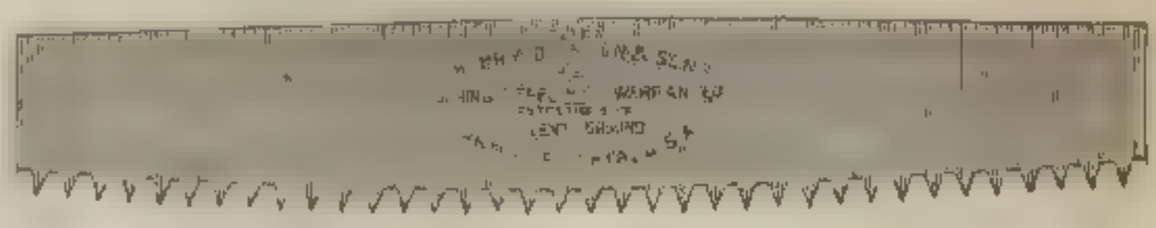
(2) CHAMPION TOOTH

14 Gauge at Cutting Edge, 16 Gauge at Back Edge

Length, Feet	5	5½
Width at Center, inches	7	7¼
Weight Each, lbs	5½	7
Each, without Handles	$6.10	6.70

Length, Feet	6	6½
Width at Center, inches	7½	7¾
Weight Each, lbs	7½	8½
Each, without Handles	7.30	7.90

Loose



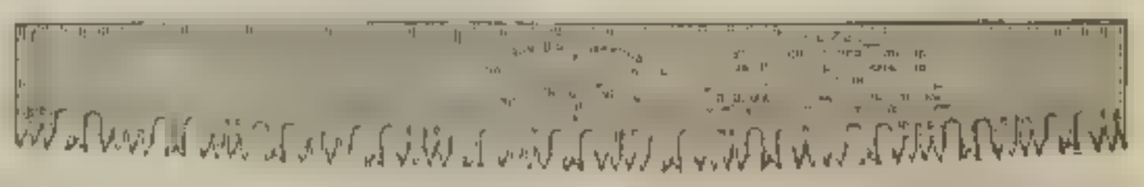
No. DP2

PLAIN TOOTH

14 Gauge at Cutting Edge; 16 Gauge at Back Edge

Length, Feet	5	5½	6
Width at Center inches	7	7⅛	7½
Weight Each, lbs	5½	7	7½
Each, without Handles	$6.10	6.70	7.30

Loose



No. 470

BUZZ (Cottonwood Pattern)

14 Gauge at Tooth Edge; 19 Gauge at Back Edge

Length, Feet	5	5½	6	6½
Width at Center, inches	5½	5¾	6	6¼
Weight Each, lbs	5	6¼	8	8¾
Each, without Handles	$9.30	10.90	12.50	14 70

Loose

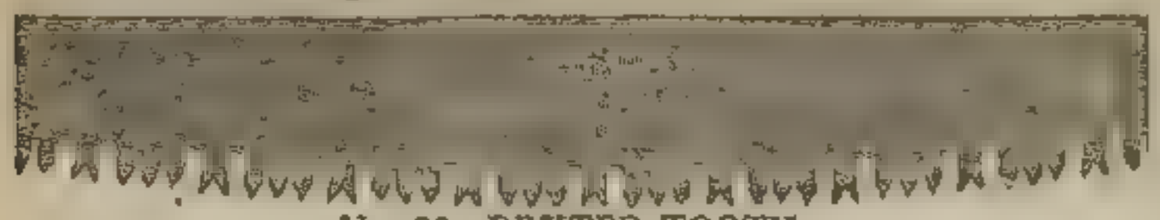
All Above Wood Stripped on Cutting Edge

TRADE MARK REGISTERED IN THE U. S. PAT OFFICE.

CROSS-CUT SAWS

SIMONDS MFG. CO.

Made of Highest Grade Crucible Cast Steel, Oil Tempered Hand Filed and Set and Highly Polished and Etched.

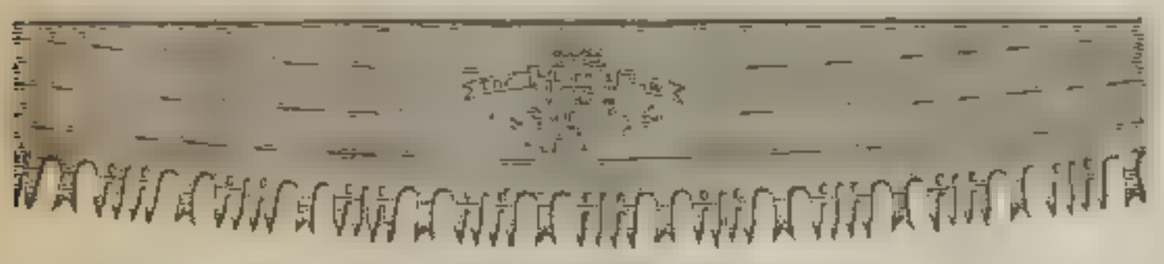


No. 33—DEXTER TOOTH

Crescent Ground; Three Cutting Teeth to One Raker Tooth.
14 Gauge at Center of Cutting Edge; 16 Gauge at Back on Ends, 19 Gauge at Center or Back Edge

Length, Feet	**6**	**6½**	**7**
Width at Center, Inches	7	7⅝	7¾
Weight Each, Lbs	6½	6¾	7¼
Each, Without Handles	**$12.60**	**14.60**	**16.60**

Loose



No. 22
CANADA PATTERN, LANCE TOOTH, PERFORATED

Crescent Ground; Four Cutting Teeth to One Raker Tooth
14 Gauge at Center of Cutting Edge; 16 Gauge at Back on Ends; 19 Gauge at Center of Back Edge.

Length, Feet	**5**	**5½**	**6**	**6½**	**7**	**7½**
Width at Center, In.	6	6⅓	7	7⅝	7¾	8⅞
Weight Each, Lbs.	5	5⅓	7⅓	8½	9½	11
Each, without Hdls.	**$9.50**	**10.80**	**12.60**	**14.60**	**16.60**	**18.90**

Loose

No. 13
TUTTLE TOOTH

Crescent Ground; Two Cutting Teeth to One Raker Tooth.
14 Gauge at Center of Cutting Edge; 16 Gauge at Back on Ends; 19 Gauge of Back Edge

Length, Feet	**5½**	**6**	**6½**	**7**
Width at Center, Inches	6⅓	7	7⅝	7¾
Weight Each, Lbs	6	7½	8½	10
Each, Without Handles	**$10 80**	**12 60**	**14.60**	**16.60**

Loose

No. 310

COTTONWOOD PATTERN, DIAMOND TOOTH, PERFORATED

Crescent Ground; Narrow Width Blade; Two Cutting Teeth to One Raker Tooth.

14 Gauge at Center of Cutting Edge; 16 Gauge at Back on Ends; 19 Gauge at Center of Back Edge

Length, Feet	**6**	**6½**	**7**
Width at Center, Inches	6	6⅓	6½
Weight Each, Lbs	6	7	8
Each, without Handles	**$12.60**	**14.60**	**16.60**

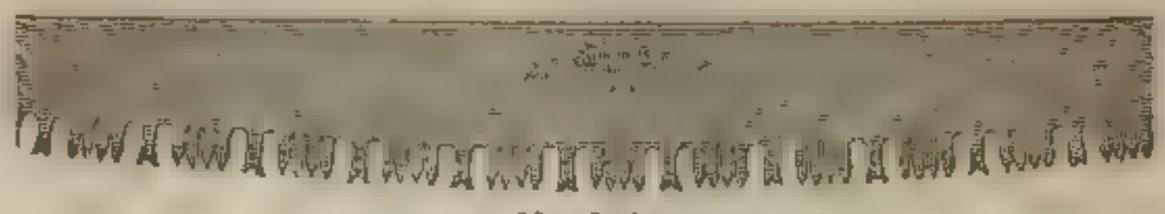
Loose

All Above Wood Stripped on Cutting Edge

CROSS-CUT SAWS

SIMONDS MFG. CO.

Made of Highest Grade Crucible Cast Steel, Oil Tempered, Hand Filed and Set and Highly Polished and Etched.



No. 324

COTTONWOOD PATTERN—LANCE TOOTH, PERFORATED

Crescent Ground; Slightly Narrower than Regular Width Blade; Four Cutting Teeth to One Raker Tooth.

14 Gauge at Center of Cutting Edge, 16 Gauge at Back on Ends; 19 Gauge at Center of Back Edge.

Length, Feet	**5½**	**6**	**6½**	**7**
Width at Center, Inches	5⅝	6	6⅜	6¾
Weight Each, Lbs	5½	6	7	8
Each, Without Handles	**$10 80**	**12.60**	**14.60**	**16 60**

Loose

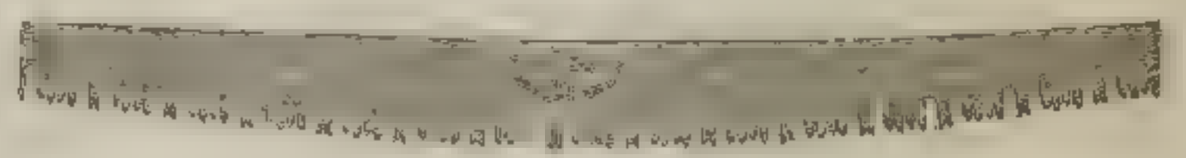
No. 325
LANCE TOOTH, PERFORATED

Crescent Ground; Narrow Width Felling Blade; Four Cutting Teeth to One Raker Tooth

14 Gauge at Center of Cutting Edge; 16 Gauge at Back on Ends; 19 Gauge at Center of Back Edge.

Length, Feet	**5**	**5½**	**6**
Width, Center, Inches	4⅜	5⅜	6
Weight Each, Lbs	5	5½	6
Each, Without Handles	**$9 50**	**10.80**	**12.60**

Loose



No. 133

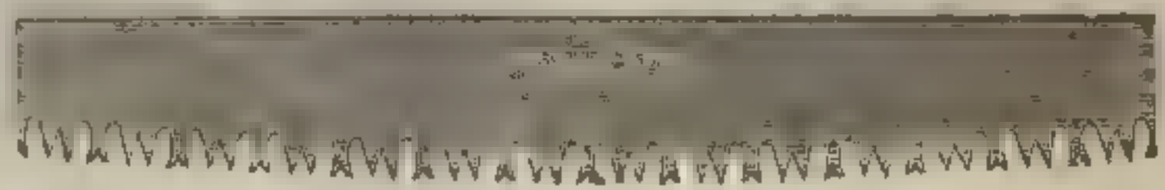
FELLING PATTERN LANCE TOOTH, PERFORATED

Crescent Ground; Narrow Width Blade; Four Cutting Teeth to one Raker Tooth.

14 Gauge at Center of Cutting Edge; 16 Gauge at Back on Ends; 19 Gauge at Center of Back Edge.

Length, Feet	**5**	**5½**	**6**	**6½**
Width, Center, Inches	5¼	5⅜	5¾	5½
Weight Each, Lbs	5	5½	6	7
Each, without Handles	**$9 50**	**10 80**	**12 60**	**14.60**

Loose



No. 326

COTTONWOOD PATTERN, CHAMPION TOOTH

Crescent Ground; Narrow Width Blade; Two Cutting Teeth to One Raker Tooth.

14 Gauge at Center of Cutting Edge; 16 Gauge at Back on Ends; 19 Gauge at Center of Back Edge.

Length, Feet	**5½**	**6**	**6½**	**7**
Width at Center, Inches	5⅜	6	6¼	6⅝
Weight, Each, Lbs	6	6½	7½	8
Each, without Handles	**$10.80**	**12.60**	**14.60**	**16.60**

Loose

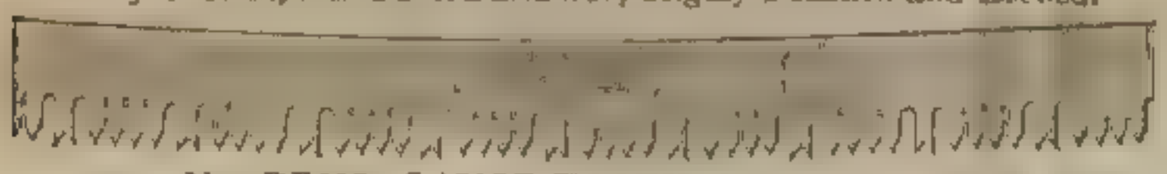
All Above Wood Stripped on Cutting Edge

NARROW CROSS-CUT SAWS

Designed for Felling Cedar and Other Small Timber; Also Used by Farmers, Tie Makers, etc.

★DIAMOND EDGE

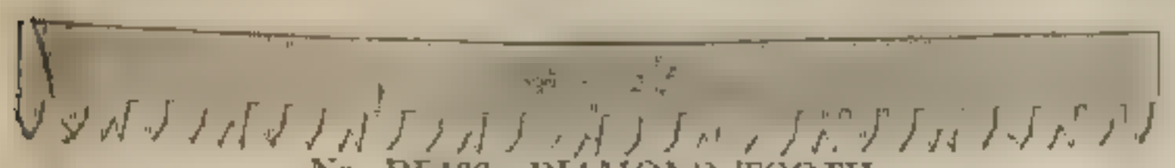
Made of Special High Grade Steel; Thoroughly Tempered and Carefully Ground, Hand Filed and Set; Highly Polished and Etched.



No. DE408—LANCE TOOTH, PERFORATED

3¼ inches Wide; 14 Gauge; Four Cutting Teeth to One Raker Tooth

Length, feet	5	5½	6	6½
Weight Each, lbs.	3½	4	4¼	4½
Each, without Handles	$4.00	4.40	4.80	5.20



No. DL406—DIAMOND TOOTH

3¼ inches Wide14 Gauge; Two Cutting Teeth to One Raker Tooth.

Length, feet	5	5½	6
Weight Each, lbs.	3½	4½	5
Each, without Handles	$3.80	4.20	4.50

No. DE404—CHAMPION TOOTH

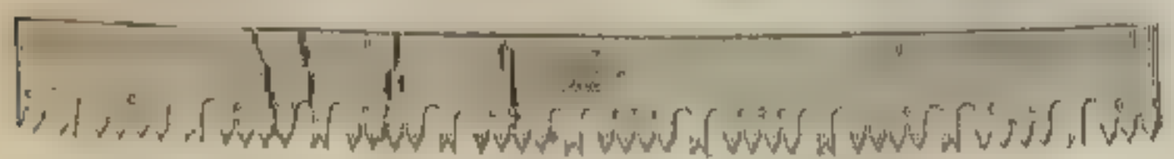
3¼ Inches Wide, 14 Gauge; Two Cutting Teeth to One Raker Tooth

Length, feet	5	5½	6	6½
Weight Each, lbs.	3½	4	4¼	4½
Each, without Handles	$3.50	3.80	4.20	4.50

Loose

★BRIDGE

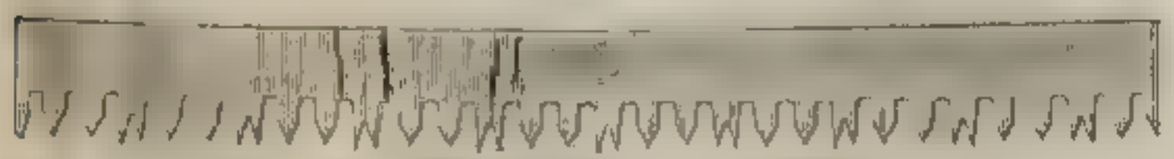
High Grade Steel, Oil Tempered, Hand Ground, Sharpened and Set, Polished and Etched.



No. B308—LANCE TOOTH, PERFORATED

3¼ inches Wide; 14 Guage; Four Cutting Teeth to One Raker Tooth

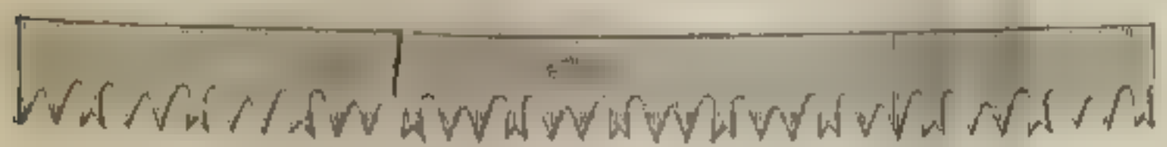
Length, feet	5	5½	6
Weight Each, lbs.	3½	4	4½
Each, without Handles	$4.00	4.40	4.80



No. B206—DIAMOND TOOTH

3¼ inches Wide; 14 Gauge; Two Cutting Teeth to One Raker Tooth

Length, feet	5	5½	6	6½
Weight Each, lbs.	3½	4	4¼	4½
Each, without Handles	$3.70	4.10	4.40	4.90



No. F1204—CHAMPION TOOTH

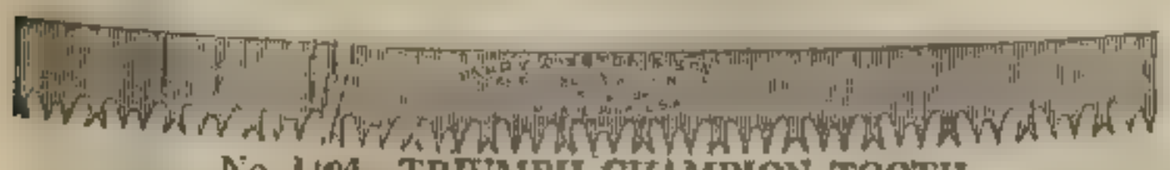
3¼ inches Wide; 14 Gauge; Two Cutting Teeth to One Raker Tooth

Length, feet	5	5½	6	6½
Weight Each, lbs.	3¼	4	4¼	4½
Each, without Handles	$3.30	3.70	4.10	4.40

Loose

HENRY DISSTON & SONS

Extra Cast Steel, Carefully Tempered, Ground, Sharpened and Set, Polished and Etched.



No. D104—TRIUMPH CHAMPION TOOTH

3¼ inches Wide; 14 Gauge; Two Cutting Teeth to One Raker Tooth

Length, feet	5	5½	6	6½	7
Weight Each, lbs.	3½	4	4½	5½	7
Each, without Handles	$4.00	4.40	4.80	5.20	5.60

Loose

NARROW CROSS-CUT SAWS

Designed for Felling Cedar and Other Small Timber; Also Used by Farmers, Tie Makers, etc.

HENRY DISSTON & SONS

Extra Cast Steel, Carefully Tempered, Ground, Sharpened and Set; Polished and Etched.

No. DNA—GREAT AMERICAN, NARROW

3¼ inches wide; 14 Gauge at Tooth Edge; 16 Gauge at Back Edge.

Length, feet	5	5½	6
Weight Each, lbs.	3½	4	4½
Each, without Handles	$4.30	4.80	5.20

No. DTP—TRIUMPH TOLEDO, PERFORATED, NARROW

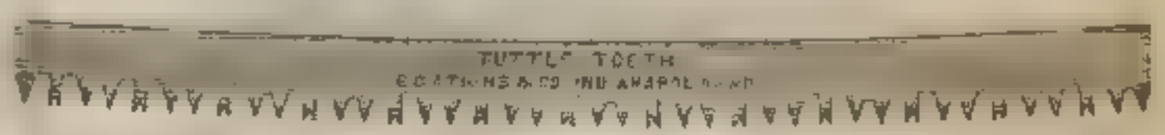
3¼ inches wide; 14 Gauge at Tooth Edge, 16 Gauge at Back Edge Four Cutting Teeth to One Raker Tooth.

Length, feet	5	5½	6
Weight, Each, lbs.	3½	4	4
Each, without Handles	$5.40	5.90	6.40

Loose

E. C. ATKINS & CO.

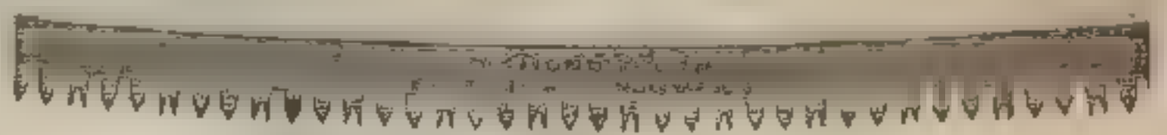
Polished and Etched, Extra Cast Steel, Carefully Tempered, Ground Sharpened and Set.



No. 379—TUTTLE TOOTH

Special Steel; 3¼ inches Wide, 14 Gauge; Two Cutting Teeth to One Raker Tooth.

Length, feet	5	5½	6	6½
Weight Each, lbs.	3½	4	4½	5
Each, without Handles	$4.00	4.40	4.80	5.20



No. 384—DIAMOND TOOTH

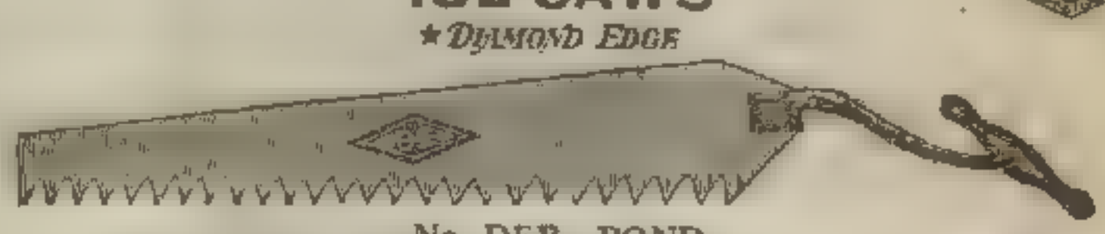
Special Steel; 3¼ inches Wide, 14 Gauge; Two Cutting Teeth to One Raker Tooth.

Length, feet	5	5½	6	6½	7
Weight Each, lbs.	3½	4	4½	5	5½
Each, without Handles	$4.20	4.60	5.00	5.50	5.90

Loose

ICE SAWS

★DIAMOND EDGE



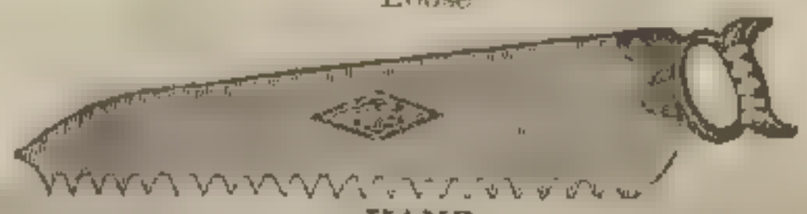
No. DEP—POND

For Cutting Ice From the Pond, Lake or River.

Best Grade Polished Cast Steel; Deep, Plain Tooth; Teeth Filed and Set; 11 Gauge Steel Blade, 5 inches Wide at Point, 7 inches Wide at Butt; Japanned Malleable Iron Handle, with Beech Hand Bar; Handle Fastened to Blade with Removable Bolt and Pin.

Length, feet	4	4½	5
Weight Each, lbs.	11	12	13
Each	$12.50	13.60	14.70

Loose



HAND

For Use on Ice Wagons, in Cold Storage Houses and by Ice Dealers; 15 Gauge Steel Blade, Width at Heel 5⅛ inches; Japanned Malleable Iron Handle Fastened to Blade by Two Heavy Iron Rivets; Deep Plain Tooth.

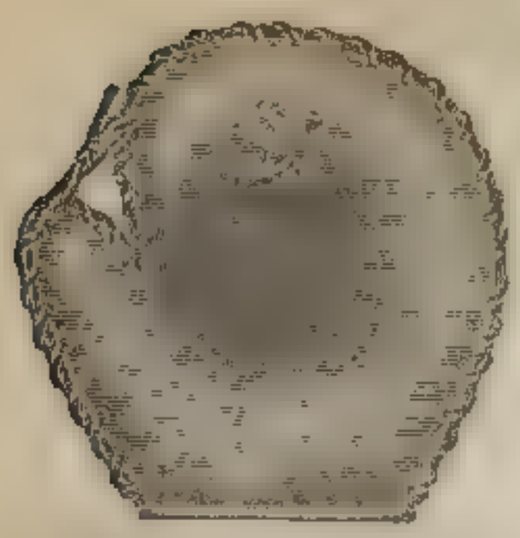
No.	DEH24	DEH26	DEH28	DEH30
Length, inches	24	26	28	30½
Weight Each, lbs	2½	3	3¼	3½
Per Dozen	$25.50	26.50	28.00	30.00

Loose

BASEMENS MITTS

*DIAMOND BRAND

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE



Oak Face and Fingers; Tan Back Horsehide Face and Fingers; Napa Back; Rolled Leather Binding; Genuine Leather Lacing; Properly Padded; Double Stitched Throughout; Heavy Strap and Buckle.

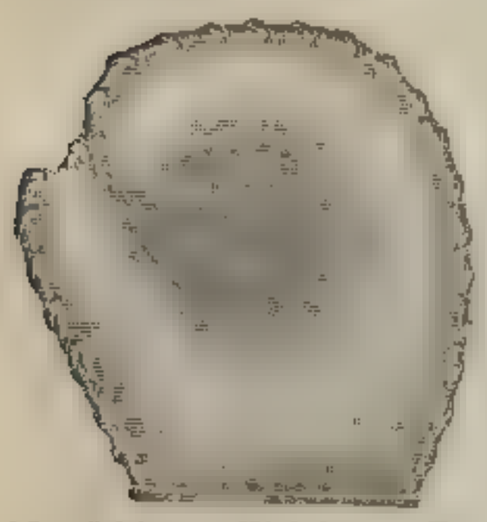
Per Dozen

No. BM457—Weight per Dozen, 12 lbs. **$63 00**
Twelfth Dozen in a Box

California Napa; Green Colored with White Imitation Leather Binding; Genuine Leather Lacing; Properly Padded; Double Stitched; Reinforced Back Strap; Complete with Strap and Buckle; a Popular Model; Well Made.

Per Dozen

No. BM358—Weight per Dozen, 12 lbs **$48 00**
No. BM358RH—Right Hand **48 00**
Twelfth Dozen in a Box



California Napa Face and Fingers; Khaki Back; Color White; Face and Fingers Imitation Leather Bound; Genuine Leather Lacing; Very Carefully Padded; Complete with Straps and Buckle; a Professional Youths' Model.

Per Dozen

No. BM252—Weight per Dozen, 11 lbs. **$33.00**
Twelfth Dozen in a Box

FIELDERS GLOVES

*DIAMOND BRAND

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE

Made of Extra Selected Finest Grade Horsehide; the Leather Oiled and Treated Before Being Cut; Extra Large Size; All Seams Welted and Rolled; Genuine Rawhide Lacing at Heel; Rawhide Lacing Between Thumb and Forefinger; Lacings Go Through Metal Eyelets; Impossible to Pull Out; Very Soft and Flexible and Have Exceptionally Good Wearing Quality; Every Glove Will Invariably Stand Up and Give the Service Expected of a Base Ball Glove of This Caliber

Per Dozen

No. G700—Weight per Dozen, 16 lbs. **$90 00**
Twelfth Dozen in a Box

FIELDERS GLOVES

*DIAMOND BRAND

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE

Genuine Horsehide; Chocolate Brown Color; Extra Heavy Quality; Full Welted; Double Thumb Strap; Genuine Horsehide Laring; Very Carefully Padded; Full Napa Leather Lined; a Popular Color and Model.

Per Dozen

No. G653—Weight per Dozen, 15 lbs. **$78 00**
No. G653RH—Right Hand. **78 00**
Twelfth Dozen in a Box

Genuine Horsehide; Black Genuine Leather; Welted; Double Thumb Strap; Genuine Rolled Leather Binding; Full Size; Carefully Padded; Full Napa Leather Lined.

Per Dozen

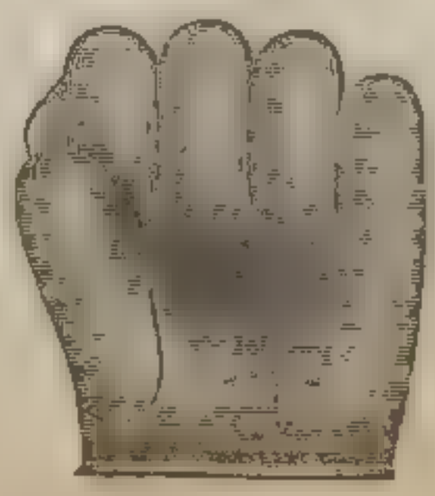
No. G601—Weight per Dozen, 15 lbs. **$72.00**
Twelfth Dozen in a Box

REDY-BROK, SERVICEABLE MODEL

Genuine Horsehide; White; Full Leather Welted; Double Thumb Strap; Genuine Leather Roll Binding; Laced Wrist; Full Leather; Lined with California Napa Leather.

Per Dozen

No. G502—Weight per Dozen, 15 lbs **$66 00**
No. G502RH—Right Hand **66.00**
Twelfth Dozen in a Box



Genuine Horsehide; Oak Color; Double Thumb Strap; Genuine Rolled Leather Binding; Very Carefully Padded; Lined with First Quality California Napa Leather. Very Comfortable and Serviceable.

Per Dozen

No. G507—Weight per Dozen, 15 lbs **$66 00**
Twelfth Dozen in a Box

TRADE MARK REGISTERED IN THE U. S. PAT OFFICE.

FIELDERS GLOVES

REACH

PROFESSIONAL MODEL

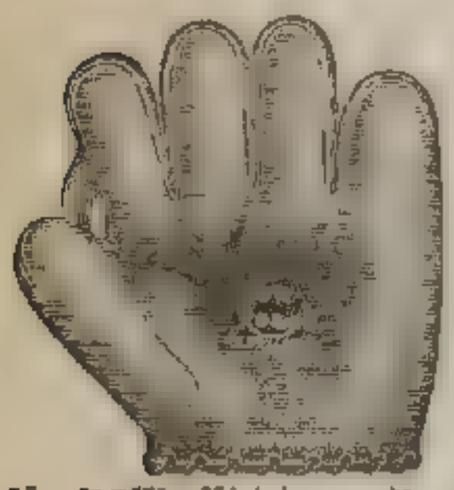
Made of Finest Selected Suede Finished Drab Horsehide; Lined with Glove Leather; Leather Welted Seams; Rolled Leather Binding; Laced at Wrist; Special Hand Formed Padding.

Per Dozen
No. REC—Weight per Dozen, 10 lbs..... **$96.00**
Twelfth Dozen in a Box

PROFESSIONAL MODEL

Fine Selected Black Horsehide; Full Leather Lined; Leather Bound; Leather Welted Seams.

Per Dozen
No. R05—Weight per Dozen, 9 lbs..... **$87 60**
Twelfth Dozen in a Box



Fine Drab Horsehide; Full Leather Lined; Leather Binding and Leather Welted Seams.

Per Dozen
No. RSW—Weight per Dozen, 9 lbs. **$79 20**
Twelfth Dozen in a Box

Special Pearl Smooth Grained Horsehide; Leather Lined; All Seams Leather Welted; Laced at Wrist.

Per Dozen
No. R2L—Weight per Dozen, 9 lbs..... **$66 00**
Twelfth Dozen in a Box

Cream Smooth Grain Horsehide; Full Leather Lined; Leather Bound; Leather Welted Seams; Medium Padding; Deep Pocket.

Per Dozen
No. R9G—Weight per Dozen, 9 lbs..... **$56 40**
Twelfth Dozen in a Box

FIELDERS GLOVES

REACH

Ecru Tan Grain Horsehide; Leather Palm Lining; Leather Welted Seams; Leather Binding; Fully Padded.

Per Dozen
No. R3G—Weight per Dozen, 9 lbs..**$48 00**
Twelfth Dozen in a Box

WIDE LITTLE FINGER MODEL

Olive Tan Leather; Full Leather Lined; Leather Welted Seams.

Per Dozen
No. R59G—Weight per Dozen, 9 lbs..**$45 60**
Twelfth Dozen in a Box

Brown Tan Leather; Leather Palm Lining; Laced Wrist.

Per Dozen
No. R10G—Weight per Dozen, 9 lbs **$33.60**
Twelfth Dozen in a Box

SPECIAL OUTSEAM MODEL

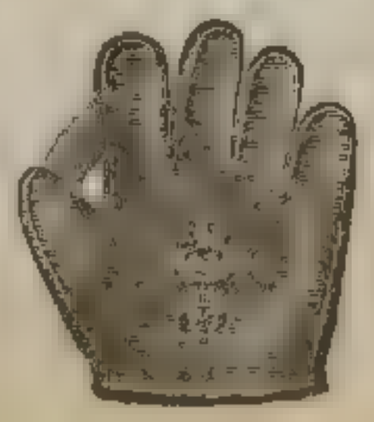
Brown Leather; Felt Padded; Leather Palm Lining; Deep Pocket.

Per Dozen
No. R57—Weight per Dozen, 5 lbs...**$24 00**
Twelfth Dozen in a Box

YOUTHS' MODEL

Brown Leather; Khaki Lined with Leather Palm; Medium Padded Heel; Deep Pocket.

Per Dozen
No. R4G—Weight per Dozen, 5 lbs... . **$16 80**
Twelfth Dozen in a Box



YOUTHS' MODEL

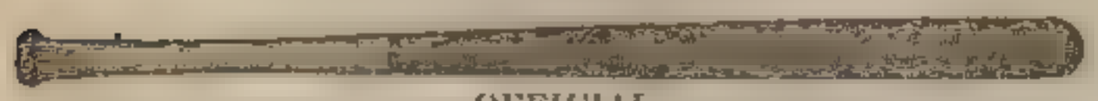
Made of Glove Leather; Full Size; Well Padded with Good Felt; Leather Palm Lining.

Per Dozen
No. R18C—Weight per Dozen, 2 lbs.....**$12.00**
Fourth Dozen in a Box

INDOOR BASE BALL BATS

LOUISVILLE SLUGGER

With Patented Kork Grip Handle



OFFICIAL

High Grade Ash; 33 inches Long; Special Burnt Finish; Golden Knob; with Official Indoor Transfer.

Per Dozen

No. 55—Weight per Dozen, About 20 lbs. **$30.00**

Loose

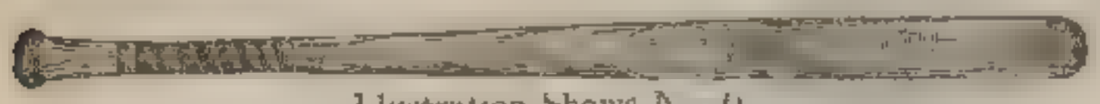


Illustration Shows No. 0

Selected Second Growth Ash; Nicely Turned and Finished

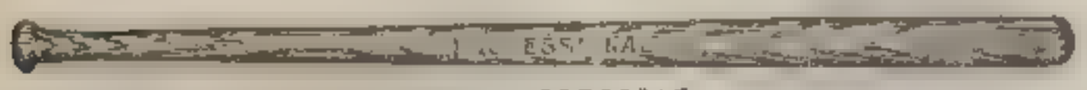
Per Dozen

No. 0—Regulation; **Taped Handle**; Weight per Dozen, 10 lbs. . . **$24.00**

No. 2—Regulation; **Plain Handle**; Weight per Dozen, 10 lbs. **18.00**

Loose

CORK BALL BATS

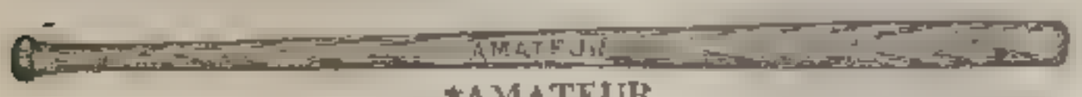


***PROFESSIONAL**

Per Dozen

No. CBB25—First Quality Ash; Burnished Surface; Length, 33 inches; Weight per Dozen, 8 lbs **$9.00**

Loose



***AMATEUR**

Per Dozen

No. CBB10—Good Quality Straight Grained Ash; Polished Surface; Length, 33 inches; Weight per Dozen, 9 lbs. **$5.00**

Loose

BAT TAPE

***RUGBY**

High Grade Tape; Covered with Best Rubber Solution; the Best and Most Satisfactory Line of Tapes on the Market.

Black, ¾ inch Wide.

Per Pound

No. 4R—1 ounce Rolls. **$0.90**

1 Pound in a Box; Sold Only in Full Packages

BAT BAGS

*DIAMOND BRAND

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE

INDIVIDUAL SIZE

Canvas

For One or Two Bats; Extra Heavy Brown Waterproof Canvas; Heavy Pebble Grain Calf Russet Leather Ends; Strongly Sewed with Waxed Linen Thread; Interior Leather Entrance Flap to Fit Over End of Bat; Leather Fastening Strap with Tinned Buckle; Flat Double Sole Leather Handle; Size 38x6x2½ inches.

Each

No. 2C—Weight Each, 1 lb. **$4.50**

One in a Package

CLUB SIZE

Canvas

Extra Heavy Brown Waterproof Canvas; Heavy Pebble Grain Kid Russet Leather Ends; Strongly Sewed and Waxed Linen Thread; Interior Leather Entrance Flap to Fold Over; Double Leather Fastening Strap with Tinned Buckles; Round Leather Handles.

Each

No. 12C—For 12 Bats; Size, 36x9 inches; Weight Each, 3 lbs. **$8.50**

No. 6C—For 6 Bats; Size, 36x5 inches; Weight Each, 2½ lbs. **6.70**

One in a Package

CATCHERS MITTS

*DIAMOND BRAND

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE.

PROFESSIONAL MODEL

Chocolate Brown; Heavy Calfskin; Felt Layer Padding; Stitched and Reinforced; Extra Leather Heel Piece; Full Welted; Rolled Leather Binding; Genuine Cowhide Back and Fingers; Double Stitched Throughout; Padded and Reinforced Back Strap with Strap and Buckle.

Per Dozen

No. M1203—Weight per Dozen, 26 lbs. **$180.00**

Twelfth Dozen in a Box

SCOOP MODEL

Black Horsehide; Felt Layer Padding; Stitched and Reinforced; Extra Leather Heel Piece; Full Welted; Horsehide Back and Fingers. Double Stitched; Raw Hide Lacing; Heavy Back Strap and Buckle; a Popular Model for All Amateur Purposes.

Per Dozen

No. M1001—Weight per Dozen, 26 lbs **$138 00**

No. M1001RH—Right Hand. **138 00**

Twelfth Dozen in a Box

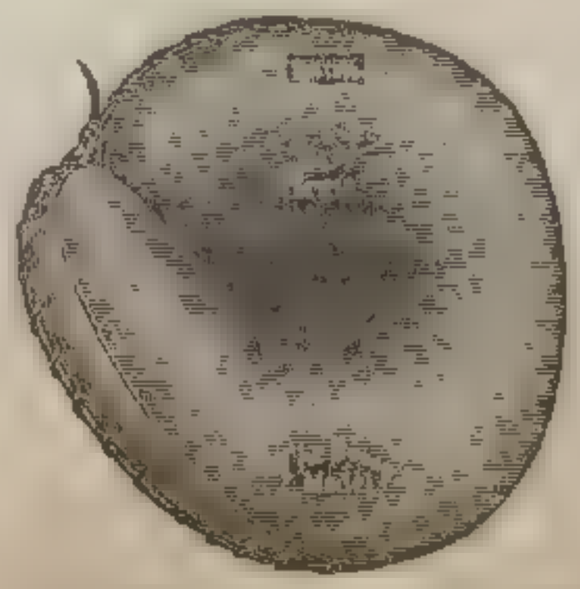
PROFESSIONAL MODEL

Tan Color; Made of Special Grade Genuine Cowhide; Felt Layer Padded; Double Stitched and Reinforced Throughout; Full Welted Seams; Genuine Leather Binding; Genuine Cowhide Back; Reinforced Back with Strap and Buckle.

Per Dozen

No. M850—Weight per Dozen, 26 lbs. **$120 00**

Twelfth Dozen in a Box



SCOOP MODEL

Genuine Cowhide; White; Felt Layer Padding; Stitched and Reinforced; Extra Heel Piece; Full Welted; Genuine Leather Binding; Rawhide Lacing; Cowhide Back and Fingers; Double Stitched Padded; Back Strap Reinforced; Complete with Strap and Buckle.

Per Dozen

No. M752—Weight per Dozen, 24 lbs **$108.00**

No. M752RH—Right Hand **108.00**

Twelfth Dozen in a Box

FIELDERS GLOVES

*DIAMOND BRAND

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE

Genuine Horsehide; Youths' Model and Size; Full White Leather Welted; Substantial Thumb and Finger Strap; Special Layer Felt; Palm Reinforced; Full Palm and Finger Lined; Imitation Leather Bound. A Real Boy's Black Horsehide Serviceable Glove; Duplicating the Larger Size Glove for Hard Service.

	Per Dozen
No. G201—Weight per Dozen, 6 lbs.	**$33.00**

Twelfth Dozen in a Box

YOUTHS' MODEL

Sheepskin; Full Leather Welt; Latest Improved Cut in Thumb; Full Size Napa Leather Lined with Cut in Felt Padding; White Imitation Leather Binding

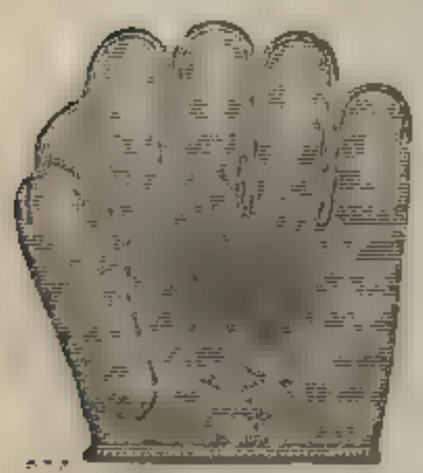
	Per Dozen
No. G257—Oak Color.	**$33 00**
No. G251—Black.	**33 00**
No. G252—White	**33 00**
No. G252RH—Right Hand.	**33 00**

Weight per Dozen, 13 lbs.

California Napa; Full Size; Tan Color; Full Leather Welt; Imitation Cloth Binding; Palm Napa Leather Lined; Cut in; Felt Layer Padded; Extra Large Size; Boys Model.

	Per Dozen
No. G206—Weight per Dozen, 12 lbs.	**$28 80**

Twelfth Dozen in a Box

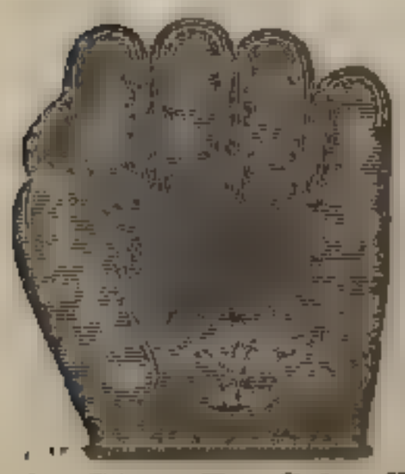


YOUTHS' MODEL

Sheepskin; Full Leather Welt; Extra Wide Thumb Strap; Imitation Leather Binding; Palm Napa Leather Lined; Glove Full Felt Lined Front and Backs of Fingers; a Very Popular Youths Model.

	Per Dozen
No. G210—Olive Green Color; Weight per Dozen, 14 lbs.	**$28 80**
No. G209—Slate Color	**28 80**
No. G209RH—Right Hand	**28 80**
No. G207—Oak Color; Weight per Dozen, 14 lbs.	**28 80**

Twelfth Dozen in a Box



YOUTHS' MODEL

California Napa; Stitched Seams; Extra Wide Thumb Strap; Imitation Leather Binding; Palm Lined with Good Quality California Napa Leather, Full Felt Layer. Padded Front and Backs of Fingers; Well Made Youths' Model.

	Per Dozen
No. G155—Tan Color; Weight per Dozen, 11 lbs.	**$20 40**
No. G151—Black Color; Weight per Dozen, 11 lbs.	**20 40**
No. G155RH—Right Hand	**20.40**
No. G154—Pearl Color; Weight per Dozen, 9 lbs.	**20.40**
No. G157—Oak Color; Weight per Dozen, 10 lbs.	**20.40**

Twelfth Dozen in a Box

FIELDERS GLOVES

*DIAMOND BRAND

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE

Sheepskin; Stitched Seams; Leather Thumb Strap; Imitation Leather Binding; Felt Layer; Palm and Finger Lined; Full Size Men's Glove.

	Per Dozen
No. G1251—Black Color; Weight per Dozen, 8 lbs.	**$17 50**
No. G1254—Pearl Color; Weight per Dozen, 8 lbs.	**17 50**
No. G1256—Tan Color; Weight per Dozen, 8 lbs.	**17 50**
No. G1256RH—Right Hand	**17 50**

Twelfth Dozen in a Box

BOYS' MODEL

Genuine Sheepskin; Full Boy's Size; Extra Wide Thumb Strap; Imitation Leather Binding; Layer Felt; Palm and Finger Lined with Canvas; a Real Boy's Glove.

	Per Dozen
No. G1001—Black Color; Weight per Dozen, 6 lbs.	**$12 00**
No. G1006—Tan Color; Weight per Dozen, 6 lbs.	**12 00**
No. G1006RH—Right Hand	**12 00**

Twelfth Dozen in a Box

Tan Color Glove; Boy's Size; A Fair Quality Sheepskin; Imitation Leather Bound; Felt Layer Padded.

	Per Dozen
No. G56—Weight per Dozen, 5½ lbs	**$9 00**
No. G51—Glove, Black Color; Weight per Dozen, 5½ lbs.	**9 00**

Twelfth Dozen in a Box

THE SHAPLEIGH MAIL ORDER DEPARTMENT IS AS PERFECT AN ORGANIZATION AS IS POSSIBLE TO OBTAIN FROM THE HUMAN UNIT. IT IS SEASONED BY TIME—AS ALL EFFICIENT ORGANIZATIONS MUST BE IN THIS CASE MORE THAN THREE-QUARTERS OF A CENTURY.

THE VOLUME OF ORDERS COMING IN BY MAIL FROM OUR CUSTOMERS IS SUFFICIENTLY LARGE TO ENABLE US TO EMPLOY EVERY TIME AND LABOR-SAVING METHOD WORTH WHILE.

EXPERT SPORTING GOODS MEN SOLVE ANY PROBLEMS ENVOLVED IN INQUIRIES AND ORDERS. YOUR WANTS ARE SATISFACTORILY SUPPLIED WHEN THE ORDER IS SENT TO SHAPLEIGH'S.

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE.

FIELDERS GLOVES
*DIAMOND BRAND

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE.

Slate Color; Strictly First Quality Napa Leather; Extra Full Size; Full Welted; Genuine Rolled Leather Bound; Genuine Leather Lacing; Very Carefully Padded; Full Leather Lined. A Large Serviceable Glove.

Per Dozen
No. G439—Weight per Dozen, 15 lbs..... **$60 00**
Twelfth Dozen in a Box

Genuine Horsehide; Extra Heavy Stock; Color Black; Full Welted White Color; Extra Wide Thumb and Finger Strap; Full Leather Lined Throughout with California Napa Leather; Special Layer Felt Padded; Reinforced White Leather Binding; White Rawhide Leather Lacing A Heavy Serviceable Model at a Popular Price for All Purposes.

Per Dozen
No. G501—Weight per Dozen, 14 lbs.....**$60.00**
Twelfth Dozen in a Box

Olive Green Color· Heavy Quality Napa Leather; White Welted Throughout, Double Thumb Strap; Genuine Rolled Leather Binding; Color White; Full Leather Lined; a Staple Serviceable Model.

Per Dozen
No. G410—Weight per Dozen, 15 lbs.....**$54.00**
Twelfth Dozen in a Box

Oak Tan Color; Heavy Quality Napa Leather; Tan Welted Throughout; Double Thumb Strap; Genuine Rolled Leather Binding; Color White; Full Leather Lined; a Staple Serviceable Model.

Per Dozen
No. G407—Weight per Dozen, 15 lbs. **$54.00**
Twelfth Dozen in a Box

FIELDERS GLOVES
*DIAMOND BRAND

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE.

White Color; Heavy Quality Napa Leather; Tan Welted Throughout; Double Thumb Strap; Leather Lacing; White with Tan Welt and Binding; Full Leather Lined; a Serviceable Model.

Per Dozen
No. G102 Weight per Dozen, 14 lbs..... **$54 00**

No. G402RH—Right Hand..... **54.00**
Twelfth Dozen in a Box

PROFESSIONAL MODEL

First Quality Napa Leather; Tan Color; Black Leather Welt; Double Thumb Strap; Genuine Black Leather Binding; Full Leather Lined; a Large Professional Model

Per Dozen
No G356—Weight per Dozen, 14 lbs.....**$48.00**

No. G356RH Right Hand..... **48 00**

First Quality Nappa Leather; Slate Color with White Welt; Double Thumb Strap; Genuine White Leather Binding; Full Leather Lined. A Large Professional Model.

Per Dozen
No. G359—Weight per Dozen, 14 lbs.....**$48.00**
Twelfth Dozen in a Box

First Quality California Leather; Special Tan Color; White Welted; Double Thumb Strap; White Imitation Leather Binding; Flat Cord Laced Wrist; Flat Napa Leather Palm Lined with Special Layer Felt; Lining on the Backs of Fingers. A Large Serviceable Popular Model.

Per Dozen
No. G307—Weight per Dozen, 14 lbs.....**$43.20**

No. G300—Smoked Tan Color; Weight per Dozen, 14 lbs..... **43.20**

No. G307RH—Right Hand..... **43.20**
Twelfth Dozen in a Box

Extra Heavy Nappa Leather; Color White; Genuine Leather Welted Throughout; Double Thumb Strap; Imitation Leather Binding; Full Laced Wrist; Napa Leather Palm Lined with Special Layer Felt; Lined on Backs and Fingers; A Large Serviceable Popular Model.

Per Dozen
No. G2752—Weight per Dozen, 14 lbs..... **$39 60**

No. G2752RH—Right Hand..... **39.60**

Extra Heavy Nappa Leather; Color Chocolate Brown; Genuine Leather Welted Throughout· White Welt; Double Thumb Strap, Imitation Leather Binding Flat Laced Wrist, Napa Leather, Palm Lined with Felt; Lined Palms Wrist and Fingers.

Per Dozen
No. G2753—Weight per Dozen, 14 lbs.....**$39.60**
Twelfth Dozen in a Box

CATCHERS MITTS

REACH

BOYS' MODEL

Tan Leather Face and Fingers; Strap and Button at Wrist; Laced Thumb.

Per Dozen
No. R67X—Weight per Dozen, 12 lbs. **$15 60**
Fourth Dozen in a box

BASEMENS MITTS

REACH

Glove Thumb Model; Made of Selected Olive Tan Leather; Leather Bound and Leather Laced; Properly Padded; Full Size.

Per Dozen
No. R4B—Weight per Dozen, 15 lbs. **$79.20**
Twelfth Dozen in a Box

Made of Good Quality Brown Tan Leather, Laced Edge; Carefully Constructed and Prartical; Carefully Padded.

Per Dozen
No. RR—Weight per Dozen, 14 lbs. **$48 00**
Twelfth Dozen in a Box

Made Entirely of Black Leather; Leather Laced; Strap and Buckle at Wrist; Hinge Padding; Regulation Size.

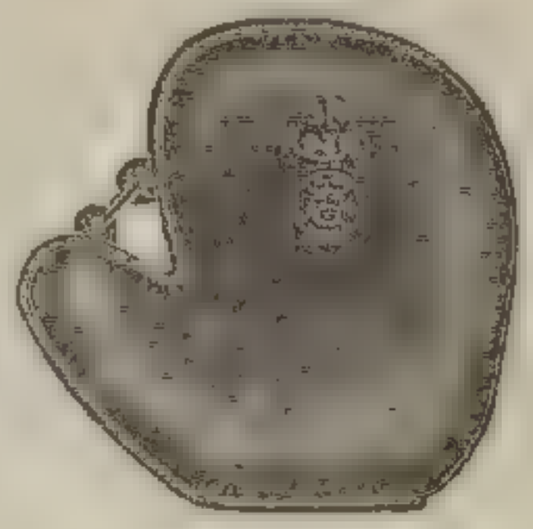
Per Dozen
No. R2R—Weight per Dozen, 12 lbs. **$42 00**
Twelfth Dozen in a Box

BASEMENS MITTS

REACH

Made Entirely of Wine Tan Leather; Laced Edge; Strap and Buckle at Wrist; Medium Size.

Per Dozen
No. RXR—Weight per Dozen, 12 lbs. **$32.40**
Twelfth Dozen in a Box



Face Made of Wine Tan Leather; Back and Fingers Made of Khaki Duck; Laced Edge; Well Padded; Full Size.

Per Dozen
No. R3R—Weight per Dozen, 12 lbs. **$24 00**
Twelfth Dozen in a Box

Brown Leather Face and Back; Khaki Lined; Well Padded; Bound Edge; Boys' Size.

Per Dozen
No. R7B—Weight per Dozen, 7 lbs. **$16 80**
Fourth Dozen in a Box

FIELDERS GLOVES

REACH

SPECIAL PROFESSIONAL MODEL

Made of Golden Brown Smooth Grained Horsehide; Lined with Special Glove Leather; Leather Welted Seams; Rolled Leather Binding; Laced Wrist.

Per Dozen
No. RCB—Weight per Dozen, 10 lbs. **$112.80**
Twelfth Dozen in a Box

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE

CATCHERS MITTS

REACH

PROFESSIONAL MODEL

Golden Grain Horsehide; Rolled Type Leather Binding on Edges; Double Stitched and Leather Welted Seams; Special Asbestos Felt Padding; "Hold Fast" Feature Back.

Per Dozen

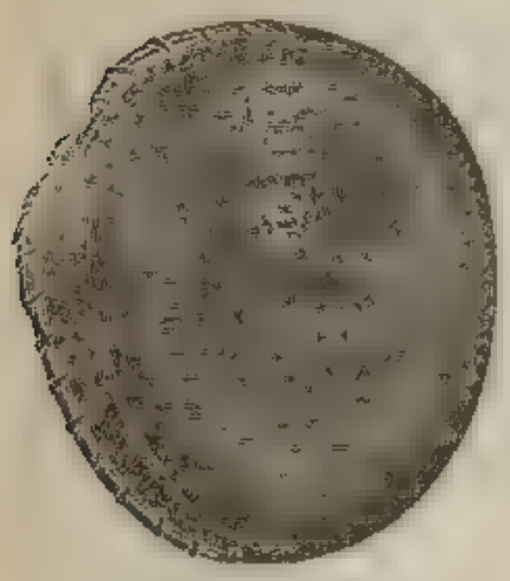
No. R6A—Weight per Dozen, 27 lbs.....**$216.00**
Twelfth Dozen in a Box

SCOOP MODEL

Made of Finest Golden Grain Horsehide; Asbestos Felt Padding; Rolled Leather Binding; Strap and Buckle at Wrist with Buckle Protecting Device; Narrow Top Edge.

Per Dozen

No. R2A—Weight per Dozen, 24 lbs.....**$160.80**
Twelfth Dozen in a Box



SEMI-MOULDED MODEL

Black Horsehide Face, Back and Fingers Cowhide Strip; Leather Bound and Laced; Special Moulded Pocket.

Per Dozen

No. R31—Weight per Dozen, 24 lbs.....**$120.00**
Twelfth Dozen in a Box

REGULATION MODEL

Face, Back and Fingers Made of Brown Grain Horsehide; Cowhide Strip; Leather Lacing; Full Size Fitted with Special Wrist Protecting Device.

Per Dozen

No. RBP—Weight per Dozen, 24 lbs.....**$80.40**
Twelfth Dozen in a Box

CATCHERS MITTS

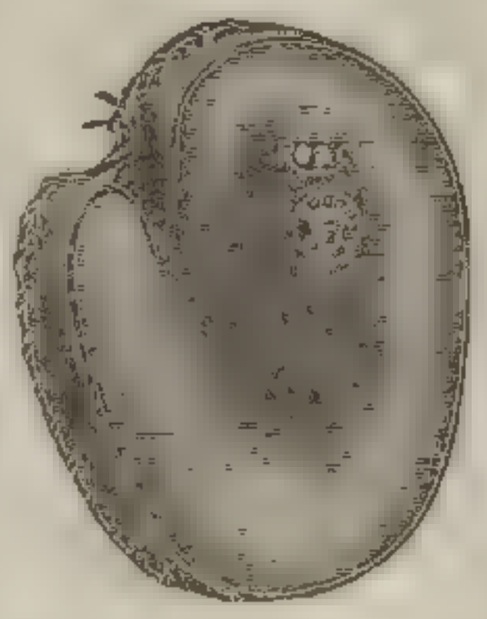
REACH

REGULATION MODEL

Face and Back Made of Black Horsehide; Strongly Bound; Laced Edge; Double Stitched Seams; Fitted with Special Wrist Protecting Device.

Per Dozen

No. R200—Weight per Dozen, 24 lbs.....**$66.00**
Twelfth Dozen in a Box



Face of Wine Tan Leather; Brown Leather Back and Strip; Leather Laced; Strap and Buckle at Wrist; Full Size.

Per Dozen

No. R150—Weight per Dozen, 15 lbs.....**$48.00**
Twelfth Dozen in a Box

Olive Leather Face, Back and Fingers; Black Leather Strip; Bound Edge; Strap and Buckle at Wrist; Lacing Adjustment at Thumb; Regulation Size.

Per Dozen

No. R100—Weight per Dozen, 12 lbs.....**$32.40**
Fourth Dozen in a Box

Brown Tan Face and Fingers; Bound Edge; Strap and Buckle at Wrist; Lacing Adjustment at Thumb; Full Size.

Per Dozen

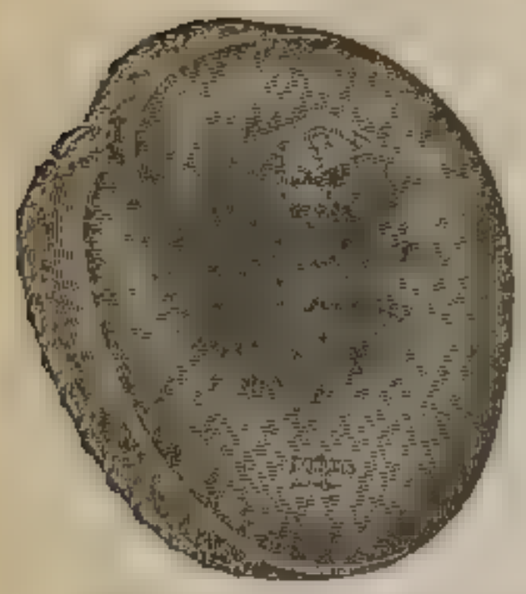
No. R75X—Weight per Dozen, 11 lbs.....**$24.00**
Fourth Dozen in a Box

TRADE MARK REGISTERED IN THE U. S. PAT OFFICE.

CATCHERS MITTS

*DIAMOND BRAND

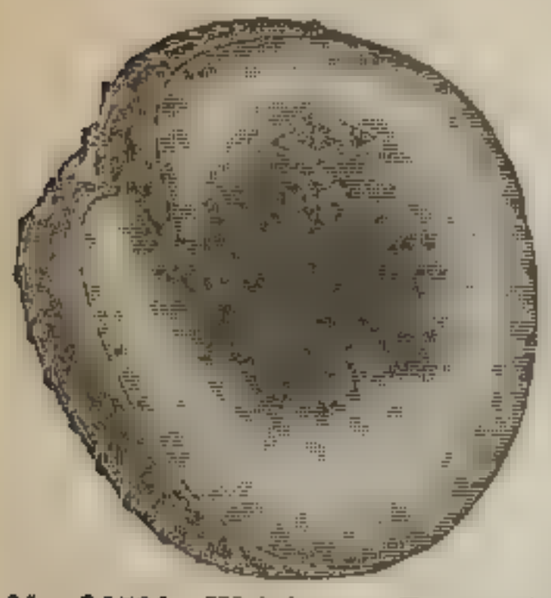
TRADE MARK REGISTERED IN THE U. S. PAT OFFICE.



Chocolate Brown Face and Fingers; Tan Back and Border; Genuine Cowhide Face and Fingers Double Stitched Throughout; California Napa Border; Double Stitched; Imitation Leather Bound; Napa Back; Raw Hide Lacing; Padded Back Strap; Complete with Strap and Buckle; Felt Padded.

Per Dozen

No. M603—Weight per Dozen, 22 lbs.....**$78.00**
Twelfth Dozen in a Box



Pearl Face and Fingers; Tan Border and Back; Horsehide Face and Fingers; Napa Border and Back; Double Stitched Throughout; Imitation Leather Bound; Raw Hide Lacing, Felt Padded; Reinforced Back Strap With Strap and Buckle.

Per Dozen

No. M504—Weight per Dozen, 20 lbs.....**$66 00**
No. M504RH Right Hand.....**66 00**
Twelfth Dozen in a Box

First Quality California Napa Leather; Brown Face and Fingers; Tan Border and Back; Imitation Leather Binding; Leather Lacing; Felt Padded; Complete with Strap and Buckle.

Per Dozen

No. M355—Weight per Dozen, 20 lbs.....**$54.00**
Twelfth Dozen in a Box

Pearl Face and Fingers; Tan Border and Back; Imitation Leather Bound; Flat Cord Lacing; Felt Padded; Complete with Strap and Buckle

Per Dozen

No. M2756—Weight per Dozen, 18 lbs.....**$42 00**
No. M2756RH -Right Hand.....**42 00**
Twelfth Dozen in a Box

CATCHERS MITTS

*DIAMOND BRAND

TRADE MARK REGISTERED IN THE U. S. PAT OFFICE

YOUTHS MODEL

Sheepskin; Tan Color; Cloth Binding; Sheepskin Fingers; Canvas Back; Cloth Bound; Genuine Leather Strap and Buckle; A Big Youths' Mitt.

Per Dozen

No. M206—Weight per Dozen, 12 lbs.....**$28 80**
Twelfth Dozen in a Box

BOYS MODEL

Assorted Colors: Tan, Wine and Green; Sheepskin Face and Fingers; Leatherette Border Cloth Bound; Canvas Back; A Good Boys' Mitt.

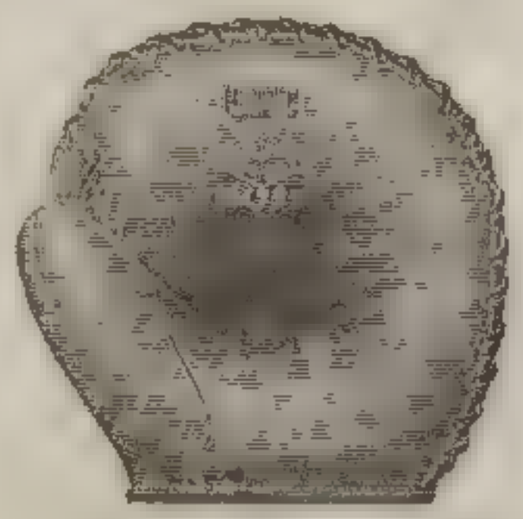
Per Dozen

No. M1256—Weight per Dozen, 10 lbs.....**$18 00**
Twelfth Dozen in a Box

BASEMENS MITTS

*DIAMOND BRAND

TRADE MARK REGISTERED IN THE U. S. PAT OFFICE.

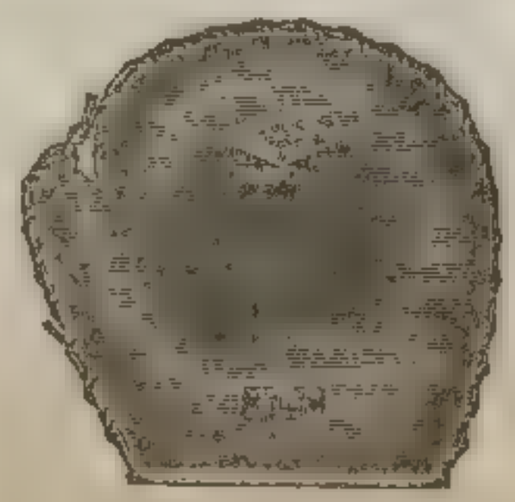


PROFESSIONAL MODEL

Genuine Horsehide Throughout; Oak Color; Genuine Rolled Leather Binding; Rawhide Lacing with Patent Thumb Features; Properly Padded and Trimmed; Double Thumb Strap; Properly Sewed; Padded Back Strap; Complete with Strap and Buckle; Heavy Serviceable Mitt.

Per Dozen

No. BM757—Weight per Dozen, 14 lbs.....**$102.00**
Twelfth Dozen in a Box



Genuine Horsehide Face and Fingers; Napa Back; Rolled Leather Binding; Rawhide Lacing; Metal Eyelets; Properly Padded on Fingers; Double Stitched, Reinforced Back Strap; Complete with Strap and Buckle; A Popular Professional Model.

Per Dozen

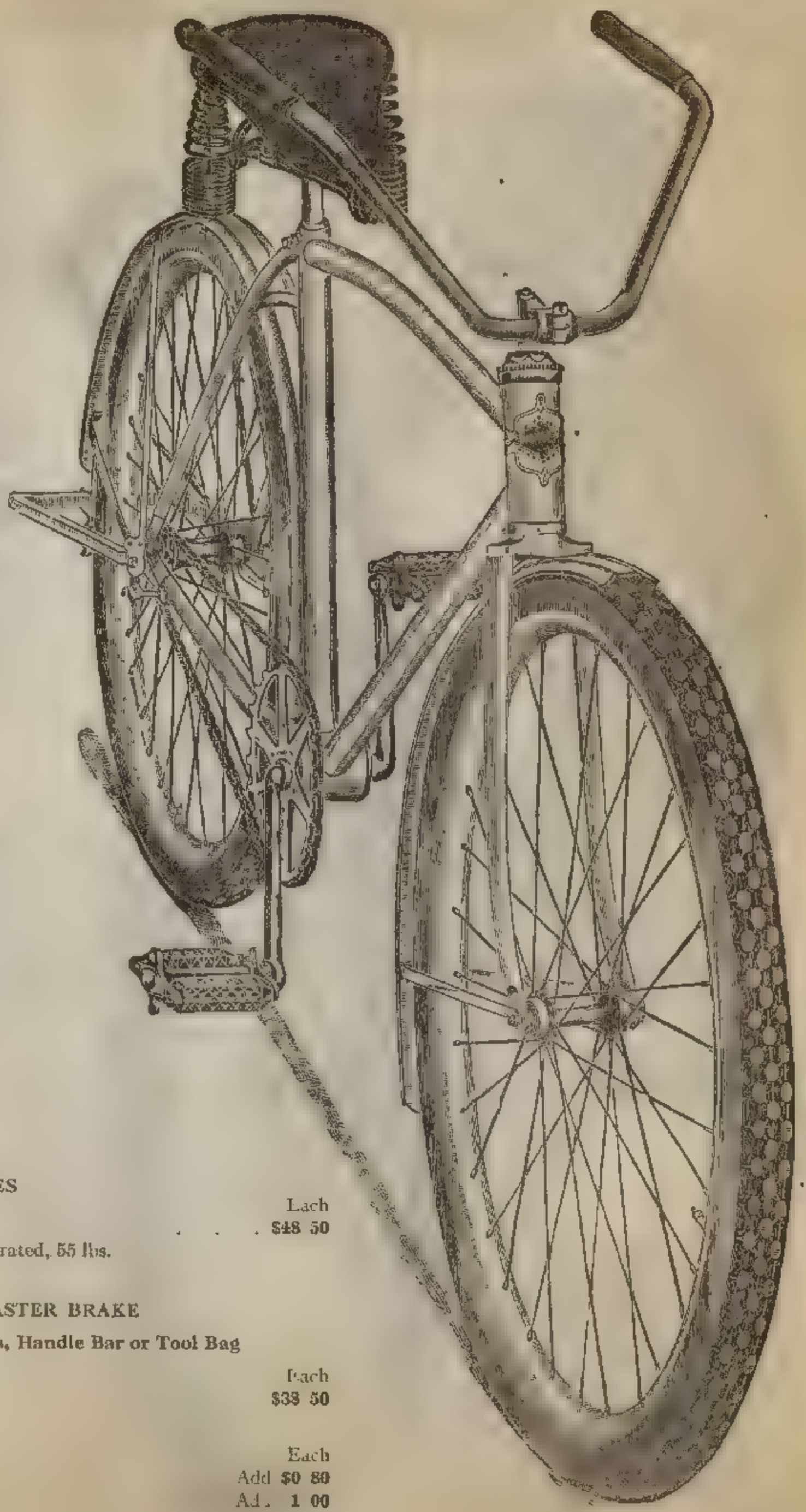
No. BM501—Weight per Dozen, 14 lbs.....**$72 00**
No. BM501RH—Right Hand.....**72.00**
Twelfth Dozen in a Box

WONDER BICYCLES

"ORIGINATED BY US"

This is One of the Latest Developments in Bicycle Manufacture. A Very Substantial Bicycle, Similarly Constructed to Bimocycle Pattern, Except That the Lower Top Bar Has Been Eliminated.

We Call Special Attention to the Possibilities of the 20 inch Frame, Which Can be Ridden by the Boy Who is Just at the Age When He Wants the Most Elaborate Bicycle. In the Past This Boy Has Been Forced to Ride an 18 inch Juvenile with 26 inch Wheels. He Can Now Ride the 20 inch Motor Bike with Full Size (28 inch) Wheels and Feel That He Has a "Grown-Up" Mount. Complete with Roller Chain, Wonder One Piece Hanger, Checkered Rubber Pedals, One Piece Rock Elm Rims and Non-Skid Tires.



SPECIFICATIONS

Bearings—Balls: $\frac{5}{32}$ inch in Head; $\frac{5}{16}$ inch in Hanger Coaster Brake; $\frac{3}{16}$ in Front Hub.

Chain—Roller, $\frac{1}{16}$ inch; 1 inch Pitch.

Connections—Arch Fork Crown, Nickel Plated, Forged Seat Post; Cluster Bolt and Nut Fastening

Crank Hanger—Wonder One Piece; 7 inch Round Cranks, Highly Nickeled.

Enamel—Four Coats, Hand Polished; Blue with Gray Head

Frame—20/18 inch Only; 1 inch, 18 Gauge English High Carbon Seamless Tubing.

Handle Bar—No. MB2; BD Grips

Hubs—Turned from Solid Stock; Tool Steel Cones and Cups.

Pedals—No. 20; Square Checkered Rubbers.

Rims—One Piece, Rock Elm, Enameled Aluminum with Red and Blue Hair Line Stripes

Saddle—No. 27R.

Spokes—14-16 Gauge.

Sprockets—26 Tooth Front, 9 Tooth Rear; $\frac{1}{16}$ inch

Wheels—28 inch.

Wheel Base—44 inches.

Mud Guards—Heavy Gauge Front and Rear, Enameled Match Frame

Tires—No. 1A Shapleigh Special

COMPLETE BICYCLES

	Each
No. 216—With Coaster Brake and Guards. One in a Crate; Average Weight, Crated, 55 lbs.	**$48 50**

STRIPPED BICYCLES WITH COASTER BRAKE

Stripped Means Without Tires, Saddle, Pedals, Handle Bar or Tool Bag

	Each
No. 0216—With Coaster Brake and Guards....	**$33 50**

EXTRAS

	Each
For Stand	Add **$0 80**
For Tool Bag, Wrench and Pump	Add **1 00**

NOTE—FOR DESCRIPTION OF TIRES SHOWN ON THIS PAGE, SEE PAGE 2437.

Illustration Shows No. 216 Bicycle

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE

WONDER BICYCLES

MEN'S ROAD MODEL

"ORIGINATED BY US"

Made to Meet the Demand for a Low Priced Bicycle of Quality; Complete with Roller Chain, Drop Forged Hanger, Rugby Handle Bars, Coaster Brake, Rugby Saddle and Mud Guards.

(ILLUSTRATION SHOWS No. 212 BICYCLE)

SPECIFICATIONS ON REGULAR MODEL

Bearings—Balls; $\frac{1}{4}$ inch in Head; $\frac{5}{16}$ inch in Crank Hanger; $\frac{1}{4}$ inch in Rear Hub; $\frac{5}{16}$ inch in Front Hub.

Chain—Roller Chain, $\frac{3}{16}$ inch Pitch.

Connections—Flat Drop Forged Nickel Plated Fork Crown; Drop Forged Seat Post; Cluster Bolt and Nut Fastening.

Crank Hanger—One Piece Drop Forged; 7 inch Round Cranks.

Enamel—Hand Polished Blue with Gray Head.

Frame—20 and 22 inches; One inch, Seamless Tubing.

Handle Bar—No. R215 Rubgy Non-Rust Adjustable; No. 30R Grips.

Hubs—Bell Shape; Turned from Solid Bar Stock; Tool Steel Cones and Cups.

Coaster Brake—Regular, on Equipment.

Pedals—No. 20.

Rims—One Piece, Enameled to Match Frame

Saddle—No. 27R.

Spokes—14-16 Gauge.

Sprockets—26-Tooth Front, 9-Tooth Rear; $\frac{3}{16}$ inch.

Wheels—28 inches.

Wheel Base—43 inches.

Weight Stripped—17 lbs.

COMPLETE BICYCLES

Equipped with Coaster Brake

	Each
No. 212—Regular (See Above Description); No. 1A Shapleigh Special Tires, with Guards	**$18 30**
No. 2B212—No. 2B High Grade Equipment; No. 3028 Good Service Tires, with Guards; See Page 2426	**49.30**
No. 4212—No. 4 High Grade Equipment; No. 7028 Good Service Single Tube Tires, with Guards; See Page 2426	**49.90**
No. 5C212—No. 5C High Grade Equipment; No. 90 Rugby Single Tube Tires, with Guards; See Page 2426 One in a Crate; Average Weight, Crated, 50 lbs.	**54.00**

STRIPPED BICYCLES WITH COASTER BRAKE

Stripped Means Without Tires, Saddle, Pedals, Handle Bar or Tool Bag

	Each
No. 0212—Stripped; With Coaster Brake, Less Guards	**$37.50**

EXTRAS

	Each
For Tool Bag, Wrench and Pump.....Add	**$1.00**
For Stand.....Add	**.80**

NOTE—FOR DESCRIPTION OF TIRES SHOWN ON THIS PAGE, SEE PAGES 2435, 2436 AND 2437.

WONDER BICYCLES

MEN'S ROAD MODEL

"ORIGINATED BY US"

A Complete Bicycle Equal To, if Not Superior, to Many So-Called High Grade Bicycles, Complete with High Grade Tires, Roller Chain Rubber Pedals, Rubber Grips and Mud Guards.

ILLUSTRATION SHOWS No. 214 BICYCLE

SPECIFICATIONS

Bearings—Balls, $\frac{5}{32}$ inch in Head; $\frac{5}{16}$ inch in Crank Hanger; $\frac{1}{4}$ inch in Rear Hub; $\frac{5}{16}$ inch in Front Hub.

Chain—Roller, $\frac{3}{8}$ inch; 1 inch Pitch.

Connections—Flat Drop Forged Nickel Plated Fork Crown; Drop Forged Seat Post; Cluster Bolt and Nut Fastening

Crank Hanger—One Piece Drop Forged; 7 inch Round Cranks.

Enameled—Hand Rubbed; Black Body; Red Head; Front Fork Nickel Plated at Top and Bottom.

Frame—20 and 22 inches; One inch Tubing

Handle Bars—No. R215 Rugby; Non-Rust; Adjustable No. 30R Grips.

Hubs—Front Hub, Bell Shape; Tool Steel Cones Hardened and Ground; Cups Pressed with Ball Retainers

Coaster Brake—Standard.

Pedals—No. 20.

Rims—One Piece; Aluminum Rims with Two Red and Two Blue Hair Line Stripes.

Saddle—No. 27R

Spokes—14-16 Gauge

Sprockets—26 Tooth Front, 9 Tooth Rear; $\frac{1}{16}$ inch.

Wheels—28 inches.

Wheel Base—43 inches.

Weight Stripped—17 lbs.

NOTE—FOR DESCRIPTION OF TIRES SHOWN ON THIS PAGE, SEE PAGES 2435, 2436 AND 2437.

COMPLETE BICYCLES

	Each
No. 214—High Grade Equipment, with Coaster Brake, No. 1A Tires, No. 27R Saddle, No. 20 Pedals, Special Handle Bar, No. 30R Grips, with Guards	$48 30
No. 2B214—No. 2B; **High Grade Equipment;** No. 3028 Tires, with Guards	49 30
No. 4214—No. 4; **High Grade Equipment;** No. 7028 Tires, with Guards	49 90
No. 5C214—No. 5C; **High Grade Equipment;** No. 90 Clincher Tires, with Guards	54 00

STRIPPED BICYCLES, WITH COASTER BRAKE

Stripped Means Without Tires, Saddle, Pedals, Handle Bar or Tool Bag

No. 0214—With Coaster Brake; Less Guards	$37 50

EXTRAS

	Each
For Stand	Add $0 80
For Tool Bag, Wrench and Pump	Add 1.00

WONDER BICYCLES

BOYS' MODEL

"ORIGINATED BY US"

A Real Classy Juvenile Bicycle Which Contains That Snappy Appearance That Appeals to the Young Boy; Is Sturdily Constructed and Handsomely Finished. Complete with High Grade Tires, Rat Trap Pedals and Coaster Brake.

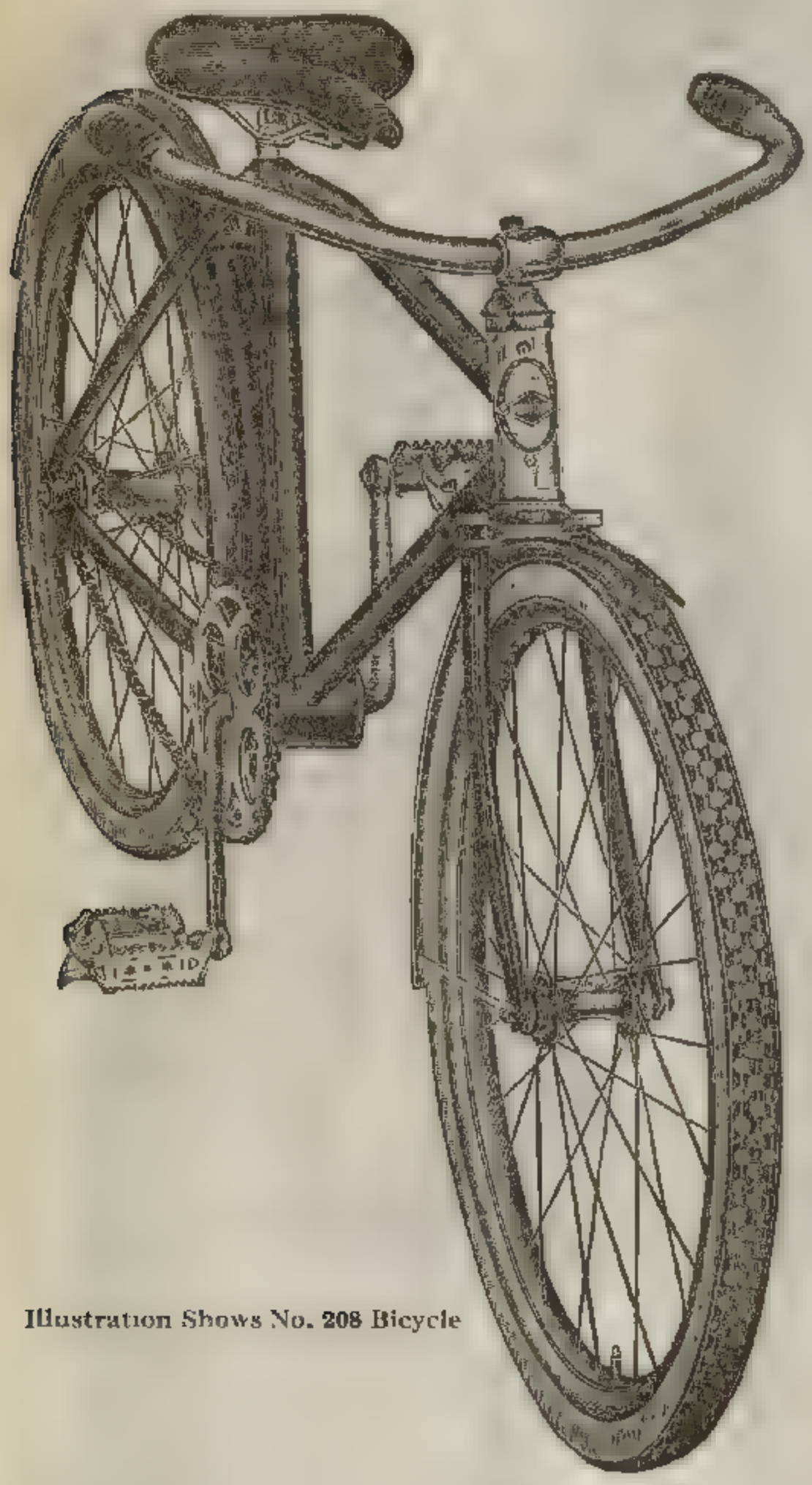


Illustration Shows No. 208 Bicycle

SPECIFICATIONS

Bearings—Balls: $\frac{5}{32}$ inch in Head; $\frac{1}{16}$ inch in Hanger; ¼ inch in Rear Hub; $\frac{3}{16}$ inch in Front Hub; Ball Cases and Cones Ground True, Properly Hardened and Dustproof.

Chain—$\frac{3}{16}$ inch. Our Option, Roller or Block.

Chain Adjusters—Regular.

Connections—Highly Nickeled; Forged Seat Post; Cluster Bolt and Nut Fastening.

Crank Hanger—One Piece; 5½ inch Diamond Cranks, Highly Nickeled.

Enamel—Hand Rubbed; Blue Body; Gray Head; Front Fork Nickel Plated at Top and Bottom.

Frame—18-16; Drop Bar ⅞ inch, 18 Gauge; Steel Tubing.

Handle Bar—Juvenile, with 14J Grips

Hubs—Bell Shape; Tool Steel Cones, Hardened and Ground; Pressed Cups with Ball Washers Inserted.

Pedals—Rat Trap.

Rims—One Piece, Rock Elm, Aluminum Finish, with Two Red and Two Blue Hair Line Stripes.

Saddle—No. 10R Rugby.

Seat Post—"L" Pattern.

Spokes—14-16 Gauge.

Sprockets—20 Tooth Front, 9 Tooth Rear; $\frac{3}{16}$ inch.

Tires—No. 3026.

Wheels—26 inch.

Wheel Base—30½ inches.

NOTE—FOR DESCRIPTION OF TIRES SHOWN ON THIS PAGE, SEE PAGE 2435.

	Each
No. 208—As Shown, But Without Mud Guards; Complete with Coaster Brake	$13 80

With Exception of Extras, No Other Deviation from the Above Equipment

EXTRAS

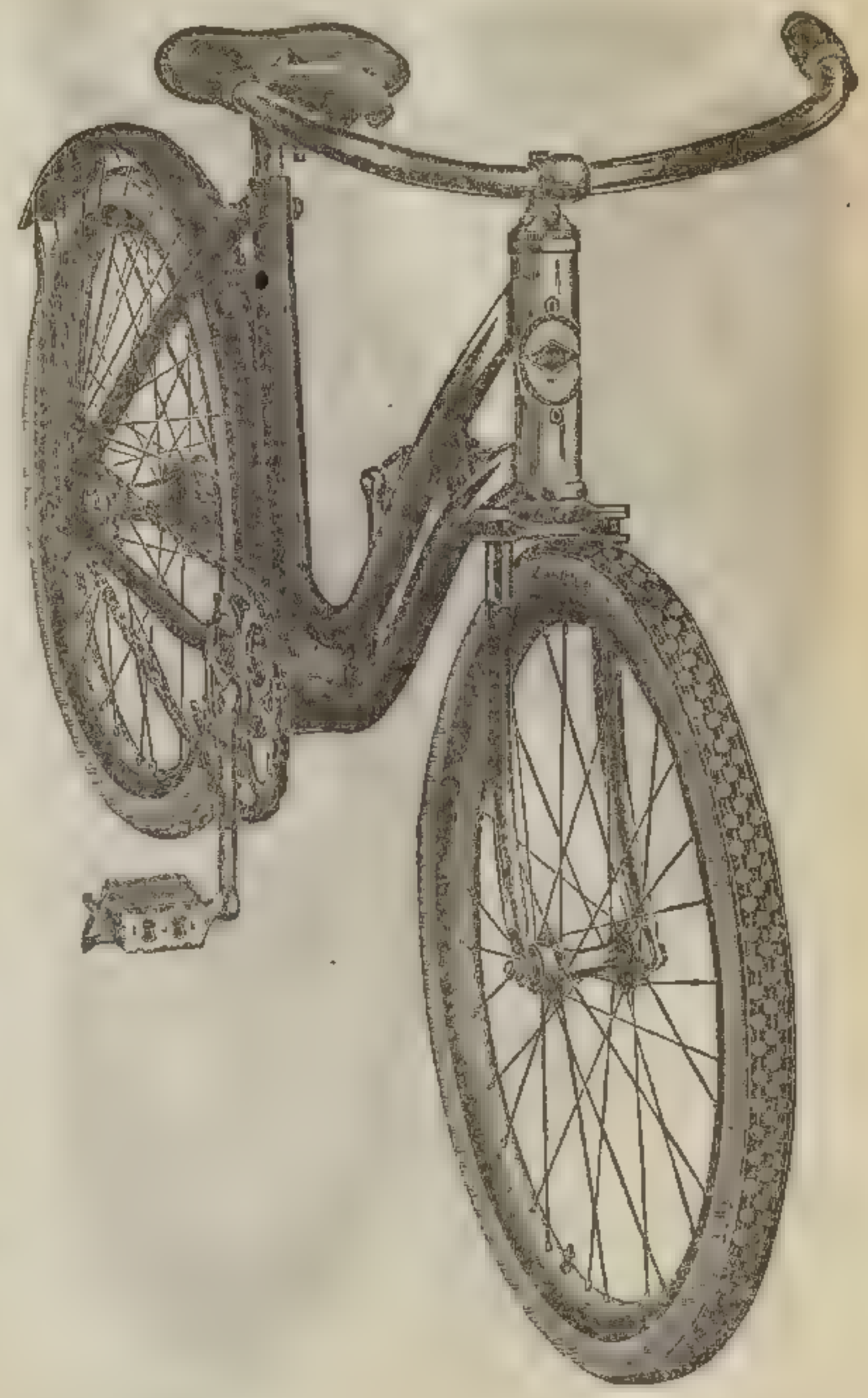
	Per Pair
For Mud Guards to Match Frame	Add $2.00
	Each
For Stand	Add $0.80
For Tool Bag, Wrench and Pump	Add 1.00

WONDER BICYCLES

GIRLS' MODEL

"ORIGINATED BY US"

Satisfies the Most Critical, is Dainty in Appearance, Strongly Constructed and Handsomely Enameled. Complete with High Grade Tires, Rat Trap Pedals and High Grade Saddle.



SPECIFICATIONS ON REGULAR MODEL

Bearings—Balls; $\frac{5}{32}$ inch in Head; $\frac{5}{32}$ inch in Hanger, $\frac{1}{4}$ inch in Rear Hub; $\frac{3}{16}$ inch in Front Hub; Ball Cases and Cones Ground True, Properly Hardened and Dust Proof.

Chain—$\frac{3}{16}$ inch, 1 inch Pitch, Roller.

Chain Adjusters—Regular.

Connections—One Piece Drop Forged Fork Crown, Highly Nickeled, Forged Seat Post; Cluster Bolt and Nut Fastening

Crank Hanger—One Piece; $5\frac{1}{2}$ inch Diamond Cranks, Highly Nickeled.

Enamel—Hand Rubbed; Blue Body, Gray Head.

Frame—17 inch, Eighteen Gauge; Steel Tubing.

Handle Bar—No. JRA Rugby; Non Rust, Adjustable; No. 14J Grips.

Hubs—Bell Shape; Tool Steel Cones, Hardened and Ground; Pressed Cups with Ball Washers Inserted.

Pedals—Rat Trap.

Rims—One Piece, Rock Elm, Aluminum with Two Red and Two Blue Hair Line Stripes.

Saddle—No. 10R Rugby.

Seat Post—"L" Pattern.

Spokes—14-16 Gauge.

Sprockets—20 Tooth Front, 9 Tooth Rear; $\frac{1}{2}$ inch.

Tires—No. 3026.

Wheels—26 inch.

Wheel Base—33½ inches.

NOTE—FOR DESCRIPTION OF TIRES SHOWN ON THIS PAGE, SEE PAGE 2435.

Illustration Shows No. 207 Bicycle

	Each
No. 207—Complete with Coaster Brake and Guards.	$47 30

EXTRAS

	Each
For Tool Bag, Wrench and Pump.	Add **$1.00**

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE

WONDER BICYCLES

GIRLS' MODEL

"ORIGINATED BY US"

Our Wonder is Undoubtedly the Best Looking Girls' Juvenile Bicycle On the Market. It Has Many of the Up-to-Date Features of the Full Size Ladies' Bicycle. The Equipments—Handle Bar, Saddle, Pedals, Etc., are First-Class in Every Respect, All of Which, Including the Tires, are Guaranteed Against Defective Workmanship and Material. Enameled Black with Crimson Head. Rims and Rear Guard to Match. Complete with Diamond Chain, Rugby Handle Bars, Rugby Saddle, Wonder Crank Hanger and Rat Trap Pedals.

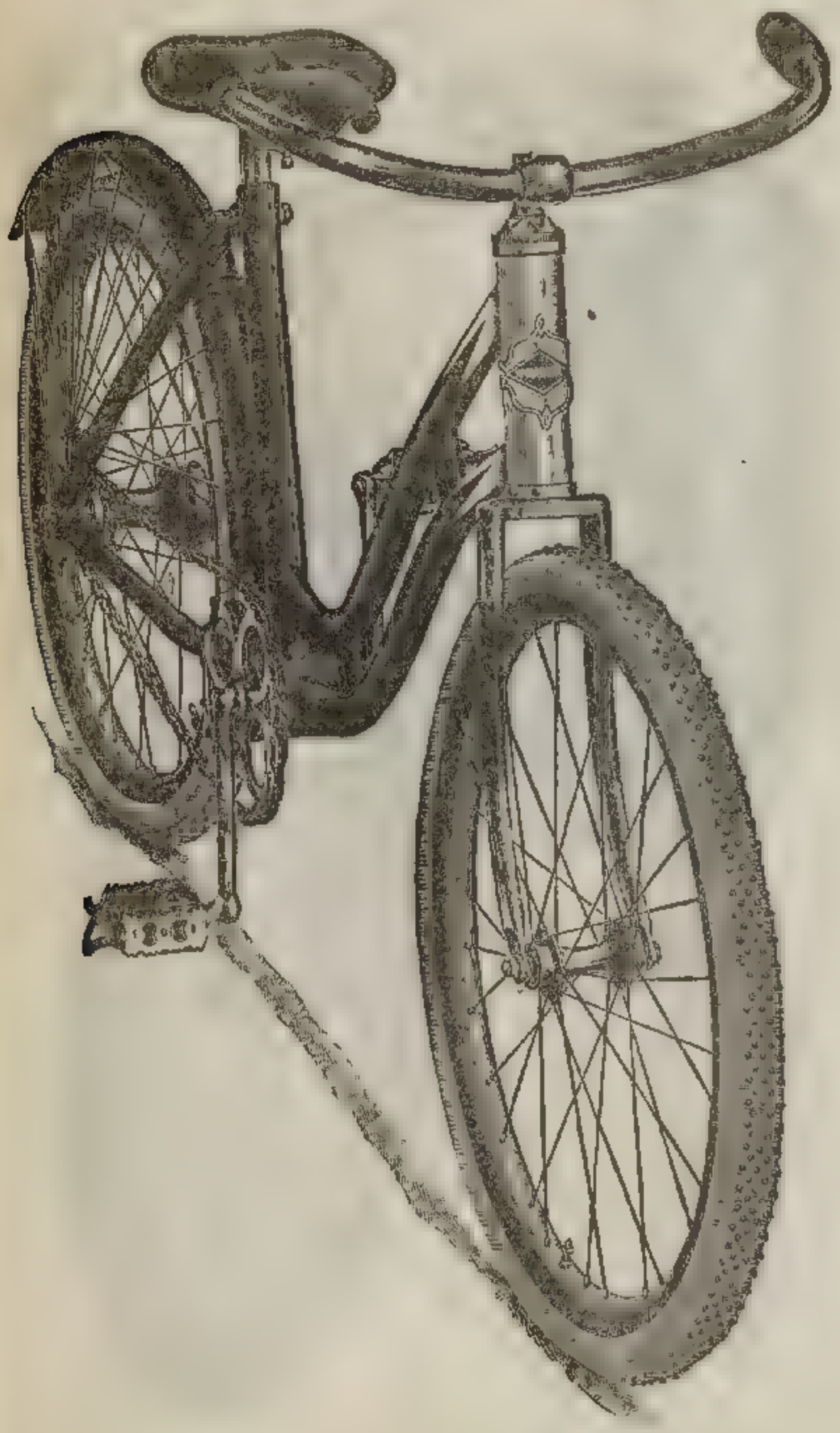


Illustration Shows No. 202 Bicycle

SPECIFICATIONS ON REGULAR MODEL

Bearings—Balls; $\frac{3}{32}$ inch in Head; $\frac{3}{16}$ inch in Hanger; $\frac{1}{4}$ inch in Rear Hub; $\frac{3}{16}$ inch in Front Hub; Ball Cases and Cones Ground True, Properly Hardened and Dust Proof.

Chain—Roller, $\frac{1}{2}$ inch.

Chain Adjusters—Regular.

Connections—One Piece Drop Forged Fork Crown, Highly Nickeled; Forged Seat Post; Cluster Bolt and Nut Fastening.

Crank Hanger—Wonder One Piece; 5½ inch Diamond Cranks, Highly Nickeled.

Enamel—Four Coats, Hand Rubbed; Black with Carmine Head

Frame—14 inch, Eighteen Gauge ⅞ inch English High Carbon Seamless Steel Tubing.

Handle Bar—No. JRA Rugby; Non-Rust; Adjustable; No. 14J Grips.

Hubs—Bell Shape; Tool Steel Cones, Hardened and Ground; Pressed Cups with Ball Washers Inserted.

Pedals—No. 1 Rat Trap.

Rims—One Piece, Rock Elm, Enameled to Match Frame.

Saddle—No. 10R Rugby.

Seat Post—"L" Pattern.

Spokes—14-16 Gauge.

Sprockets—20 Tooth Front, 9 Tooth Rear; $\frac{1}{2}$ inch.

Tires—Good Service Non-Skid, Single Tube; No. 3020.

Wheel Base—33½ inches.

NOTE—FOR DESCRIPTION OF TIRES SHOWN ON THIS PAGE, SEE PAGE 2435.

JUVENILE BICYCLES

	Each
No. 202—20 inch Wheels; High Grade Equipment; Coaster Brake and Guards. One in a Crate; Average Weight, Crated, 47 lbs.	**$17 30**

EXTRAS

	Each
Tool Bag, Wrench and Pump	Add **$1.00**

WONDER BICYCLES

BOYS' MODEL

"ORIGINATED BY US"

Our Wonder Juvenile Bicycles are Made With the Same High Grade Material and the Same Care as the Wonder Adult Models. They are Built Strong and Serviceable. No Pains or Expense Have Been Spared to Make Them the Best on the Market. Complete with Rugby Handle Bars, Bell Shaped Hubs, Rugby Saddle and Good Service Tires.

SPECIFICATIONS ON REGULAR MODELS

Bearings—Balls; $\frac{5}{32}$ inch in Head; $\frac{5}{16}$ inch in Hanger; $\frac{1}{4}$ inch in Rear Hub; $\frac{3}{8}$ inch in Front Hub; Ball Cases and Cones Ground True, Properly Hardened and Dustproof.

Chain—Roller, $\frac{3}{16}$ inch.

Chain Adjusters—Regular.

Connections—One Piece Drop Forged Crown, Highly Nickeled; Forged Seat Post; Cluster Bolt and Nut Fastening.

Crank Hanger—Wonder One Piece; 5½ inch Diamond Cranks, Highly Nickeled.

Enamel—Four Coats, Hand Rubbed Black, with Crimson Head; Front Fork Nickel Plated at Top and Bottom, Black Enameled in Center.

Frame—14 inch, Eighteen Gauge ⅞ inch Steel Tubing.

Handle Bar—No. JRA Rugby; Non Rust; Adjustable; No. 14J Grips.

Hubs—Bell Shape; Tool Steel Cones, Hardened and Ground; Pressed Cups with Ball Washers Inserted.

Pedals—No. 1 Rat Trap.

Rims—One Piece, Rock Elm, Enameled to Match Frame.

Saddle—No. 10R Rugby.

Seat Post—"L" Pattern.

Spokes—14-16 Gauge.

Sprockets—20 Tooth Front, 9 Tooth Rear; $\frac{3}{16}$ inch.

Tires—Good Service Non-Skid Single Tube, No. 3020.

Wheel Base—33½ inches.

	Each
No. 201 20 inch Wheels; High Grade Equipment and Coaster Brake..... One in a Crate; Average Weight, Crated, 45 lbs.	**$44.50**

EXTRAS

	Each
Tool Bag, Wrench and Pump.....	Add **$1.00**
	Per Pair
For Front and Rear Mud Guards Enameled to Match Frame	Add **$2.00**
	Each
For Stand.....	Add **$0.80**

NOTE—FOR DESCRIPTION OF TIRES SHOWN ON THIS PAGE, SEE PAGE 2435.

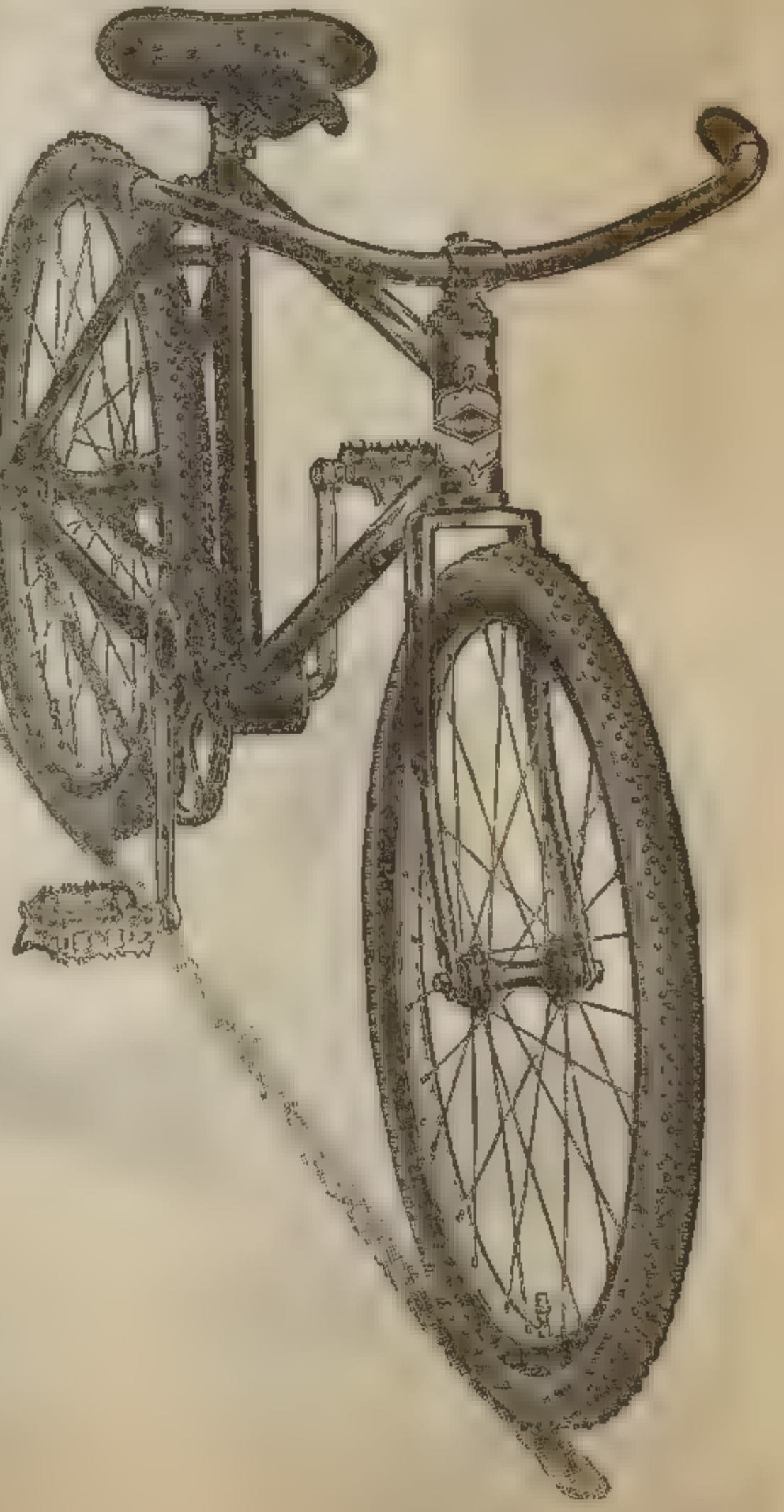
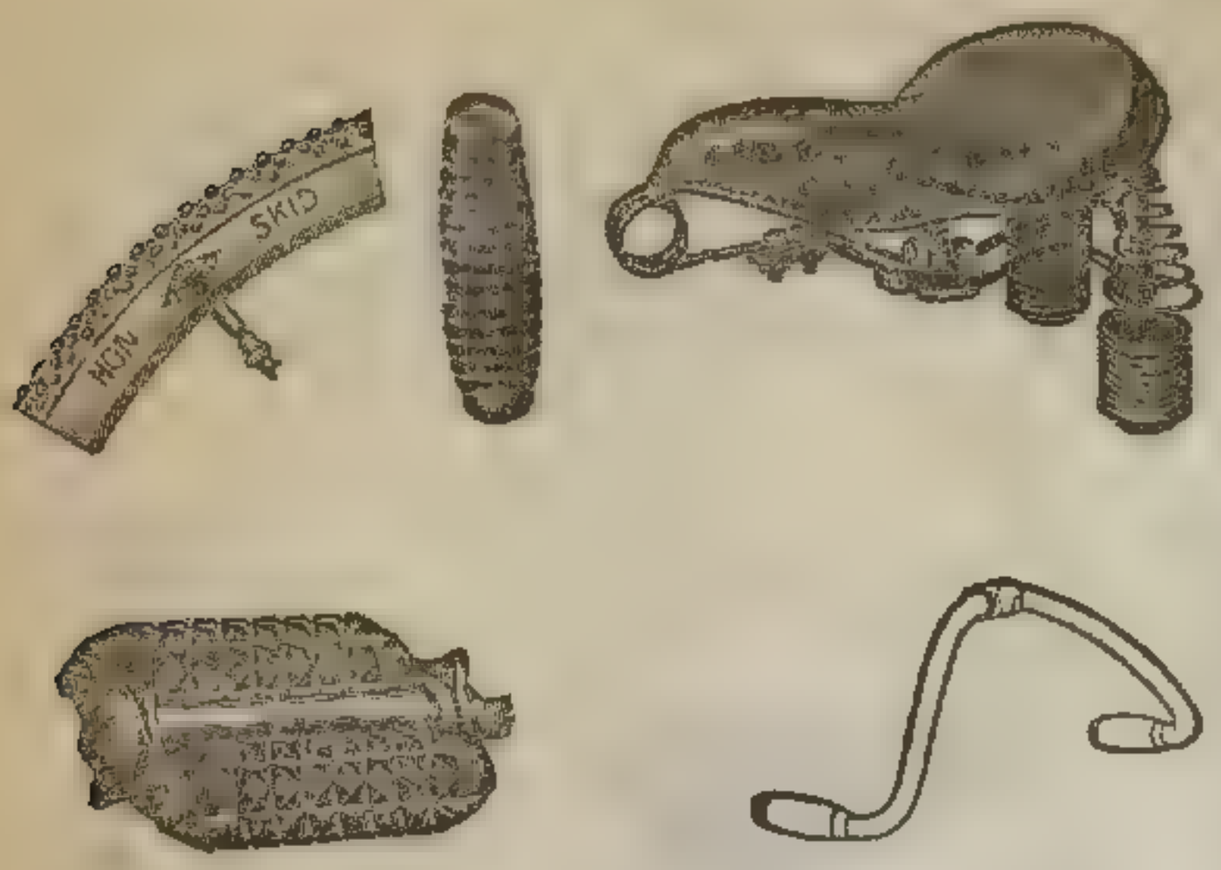


Illustration Shows No. 201 Bicycle

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE.

BICYCLE EQUIPMENT

AS FURNISHED ON BICYLES LISTED ON PRECEDING PAGES



No. 2B—Equipment High Grade

Tires—No. 3028, Good Service Single Tube.

Saddle—No. 27R, Rugby

Handle Bars—No. R215.

Grips—No. 30 R, Rubber.

Pedals—No. 20, Rubber Tread.

No. 4—Equipment High Grade

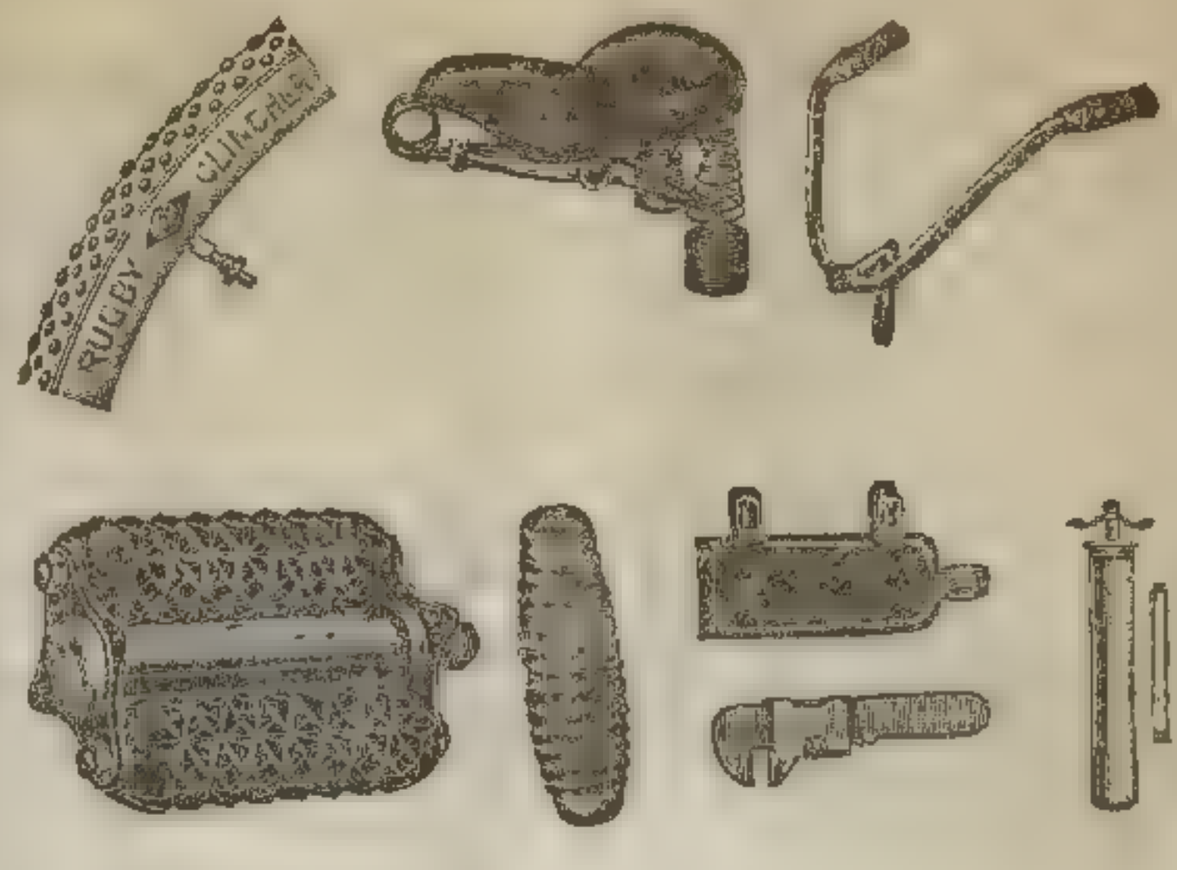
Tires—No. 7028, Good Service, Single Tube.

Saddle—No. 20R.

Handle Bars—No. MB2

Grips—No. 20B, Boy Scout, Flexible Rubber.

Pedals—No. 20.



No. 5C—Equipment High Grade

Tires—No. 90, Rugby, Clincher.

Saddle—No. 28R, Rugby

Handle Bars—No. MB2.

Grips—No. 30R, Rubber.

Pedals—No. 20, Rubber.

Tool Bag—No. 8, With Pump and Wrench.

A BICYCLE WITH ALL THE LATEST EQUIPMENT MAKES A VERY ATTRACTIVE WINDOW DISPLAY.

EVEN IN THESE DAYS OF AUTOMOBILES A HANDSOME, GRACEFUL BICYCLE H,AS A STRONG ATTRACTION FOR MANY PEOPLE.

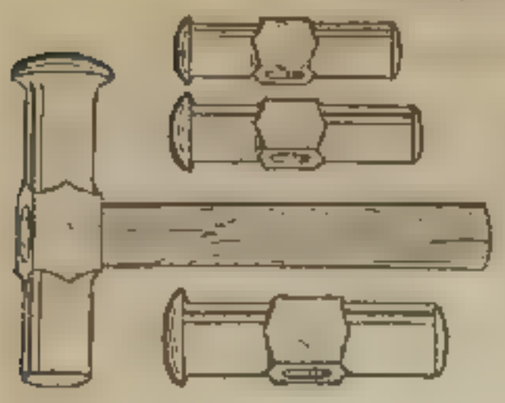
IT IS IMPOSSIBLE TO PUT ANY BETTER MATERIAL IN A BICYCLE THAN IS TO BE FOUND IN THE RUGBY. IN THE MATTER OF LOOKS, IT ALSO TAKES FIRST PLACE.

IF YOU WANT TO HANDLE THE VERY HIGHEST GRADE WHEEL MANUFACTURED; THE RUGBY WILL MEET EVERY REQUIREMENT.

DON'T ADVERTISE "EVERYTHING IN HARDWARE" AND THEN LET YOUR STOCK GET RAGGED. ORDER BY MAIL.

IF YOU DO NOT KEEP THE STOCK, DO NOT EXPECT TO REAP THE PROFITS. MAIL ORDERS MAKE BUSINESS PLEASANT, EASY AND PROFITABLE.

TINNERS TOOLS
PECK, STOW & WILCOX



RAISING HAMMERS
With Hickory Handle

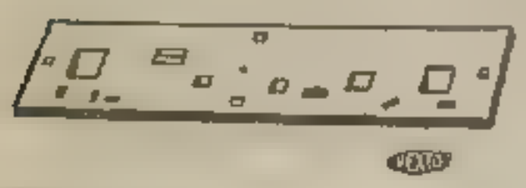
For All Kinds of Raised Work; Cast Steel, Japanned; Polished Faces.

Nos.	4	3	2	1
Weight Each, lbs..	1¼	2¼	3¾	5
Size Head, inches..	6⅜x1½	6⅜x1¾	7⅜x2⅛	7⅜x2⅝
Each.....	$5 00	6 50	8.00	12 70

Per Dozen

†**Extra Handles** for Raising Hammers; Hickory, Plain Finish.... **$7 10**

Loose

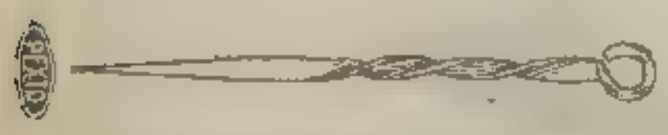


BENCH PLATES

Cast Iron, Polished; with Socket Holes to Receive All Stakes, Swedges, Formers, Etc.

Nos.	982	981	980
Size, inches	30x8	37x8	48x12
Weight Each, lbs.....	37	50	94
Each.....	$15 40	22 00	33.00

Loose



SCRATCH AWLS

Per Dozen

No. 01—Solid Steel, with Ring; Twisted Shank Length 8½ inches, Weight per Dozen 1 lb.. ..... **$5.50**

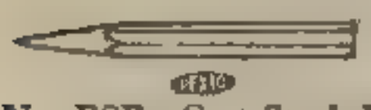
One Dozen in a Box

SOLID PUNCHES

Cut Shows Full Size of Holes

No.	0	1	2	3	4	5	6	7	8
Nos.....		0		1		2		3	4
Size in 32nds...		9		8		7		6	5
Wt. per Doz., lbs.		2		1⅜		1¼		1¼	1¼
Per Dozen.....		$4.80		3.00		3.00		3.30	3.30
Nos.		5		6		7		8	
Size in 32nds		4		3		2		1	
Weight per Dozen, lbs....		1⅛		1⅛		1		¾	
Per Dozen.....		$3.30		3.30		3.30		3.30	

One Dozen in a Box



PRICK PUNCHES

Per Dozen

No. PSP—Cast Steel, Japanned; Square Shank; Length 5 inches; Weight per Dozen 1½ lbs..... **$3.30**

One Dozen in a Box

HOLLOW PUNCHES
Forged Steel

Japanned; Polished Edges, Average Length 5½ inches

Size, inch.....	1/4	5/16	3/8	1/2	5/8	3/4
Weight Each, lbs...	1/8	1/4	1/4	3/8	1/2	5/8
Each.....	$1.50	1.50	1.50	1 50	1 90	2.30
Size, inches.....	7/8	1	1⅛	1¼	1⅜	1½
Weight Each, lbs...	¾	⅞	1	1 1	1⅛	1⅝
Each.....	$2.60	3 00	3.40	3.80	4.10	4.50

Loose

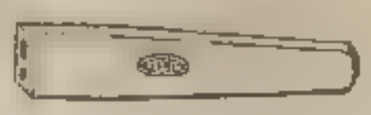
TINNERS TOOLS
PECK, STOW & WILCOX

HOLLOW PUNCHES
Wrought Shank

Japanned; Polished Edges; Average Length, 5½ inches

Size, Inches.....	1¾	2
Weight Each, lbs.....	2	2⅛
Each.....	$5.30	6.00

Loose



RIVET SETS AND HEADERS

Forged Steel; Gun Metal Finish; Perfectly Tempered
Cut Shows Full Size of Holes

No.	00	0	1	2	3	4	5	6	7	8
Nos.....		00		0		1		2		3
For Iron Rivets, lbs.....		14		10&12		8		6		4&5
For Copper Rivets, Nos.....		..		5		6		7		8
Weight Each, ozs		14		12		9		8		7
Each		$1 40		1 40		1.10		1.10		.90
Nos.		4		5		6		7		8
For Iron Rivets, lbs.....		2½&3		1¾&2		1½		1¼		10&1
For Copper Rivets, Nos.....		9		10&11		12		13		14
Weight Each, ozs.....		6		5		4		4		3
Each.....		$0.90		.90		.90		.60		.60

Half Dozen in a Box

HAND GROOVERS

Forged Steel; Natural Finish; Round Shank

Nos.	00	0	1	2	3
Groove, Inches	7 16	3/8	5/16	11/32	9/32
Weight Each, lbs	1⅝	1¼	1¼	1⅛	1
Each	$1 85	1 85	1 70	1 70	1.60
Nos.	4	5	6	7	8
Groove, Inches	1/4	3/16	5/32	1/8	1/16
Weight Each, lbs..	⅛	¾	⅝	½	⅜
Each	$1 60	1 60	1 60	1.60	1.60

Loose

SQUARE HEAD STAKES
Wrought Iron with Steel Faces

Adapted for all Square Work

Each

No. 936—Common Square; Size of Face 4½x2⅝ inches; Weight Each 11 lbs..... **$13.65**

†**No. 939** Small Square; Size of Face 2⅜x1½ inches, Weight Each 3 lbs **10 50**

†**No. 938**—Large Square; Size of Face 5½x3½ inches, Weight Each 14 lbs..... **18.90**

Loose

ROUND HEAD STAKES

Used for Light Work, Riveting Handles on Covers, etc.

Each

No. 965—Diameter of Head 3⅛ inches; Length Over All 12½ inches; Weight Each 9½ lbs **$4 70**

Loose

Items Marked † Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory

TRADE MARK REGISTERED IN THE U S PAT OFFICE

TINNERS TOOLS

PECK, STOW & WILCOX

HATCHET STAKES

For Forming Seams on the Edges of a Sheet; Generally Used where Folder is inconvenient.

Nos.	✣941	[illegible]	944
Blade, inches	6	13	11
Weight Each, lb	14	8½	6
Each	$18.90	18.80	14.70

Loose

CREASING STAKES

With Horn

The Horn is Used for Forming Tubes, Cylinders, etc.

Each

No. 927—Length of Horn 9½ inches, of Flat End [illegible] inches Weight Each 12½ lbs **$27 30**

Loose

NEEDLE CASE STAKES

With One Round and One Square Arm. For Forming Lightest and Smallest Tubes, Rings, etc.

Each

No. 957 Length of Horn 10½ inches, of Flat End 8 inches; Weight Each 4 lbs..... **$13 85**

Loose

CANDLE MOULD STAKES

With Both Arms Round and Tapering

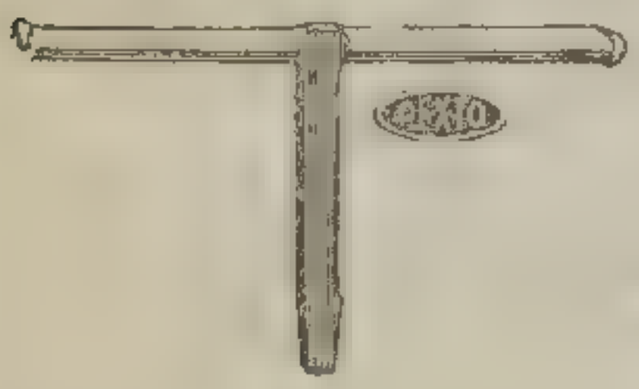
For Forming Small Cylinders, Tubes, Rings, etc.

Each

No. 956—Length of Small End 18 inches, of Horn 8½ inches; Weight Each 6½ lbs..... **$16 80**

Loose

Wrought Iron with Steel Faces



DOUBLE SEAMING STAKES

With Both Arms Round; Flat Face; Beveled Ends.

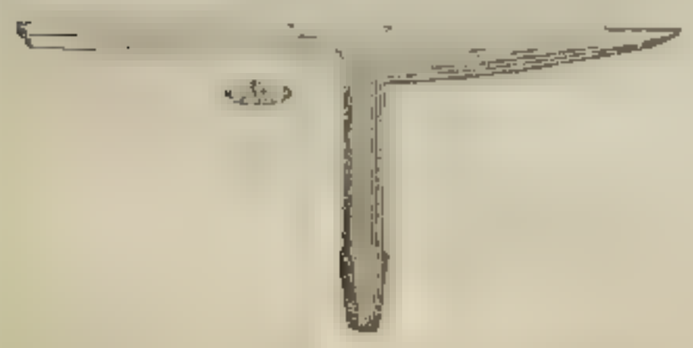
For Small Vessels; Cans, etc.

Each

No. 921 -Length of Large End 17 inches, Small End 12 inches; Weight Each 34 lbs. **$44 10**

No. 922—Length of Each End 11 inches; Weight Each 20 lbs.. **35 40**

Loose



BEAKHORN STAKES

One Flat Arm and One Round Tapering Arm.

For Round, Square or Beveled Work.

Nos.....	901	✣904
Square Arm, in.	21½	19
Round Arm, in.	16½	14
Wt., Each lbs	[illegible]	27
Each...	$50 40	44.10

Loose

TINNERS TOOLS

PECK, STOW & WILCOX

Wrought Iron with Steel Faces

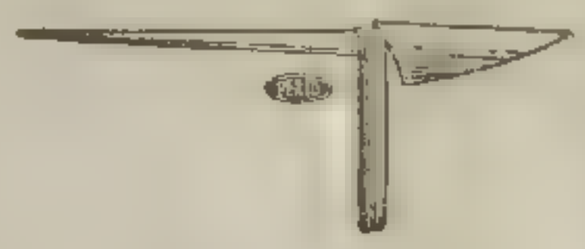
CONDUCTOR STAKES

For Locking Seams on Conductor Pipe; with Both Arms Round.

Each

No. 971—Length of Large End 15 inches, of Small End 11½ inches; Weight Each 35 lbs..... **$18 90**

Loose



BLOWHORN STAKES

With One Long Tapering Arm and One Oval Faced Tapering Arm.

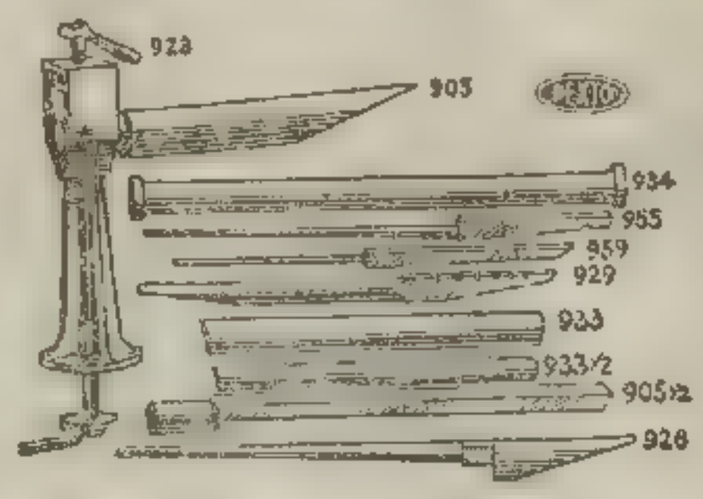
The Long Tapering Arm for Forming Tubes, Cylinders and Similar Articles; the Short Arm for Forming Coves, etc.

Each

No. 925—Length of Small End 17½ inches, of Large End 9 inches; Weight Each 19 lbs..... **$27.30**

Loose

UNIVERSAL STAKE HOLDERS AND STAKES



Stakes Can be Used in any Desired Position, Without Marring the Bench.

Per Set

✣No. 964—Complete Set as Listed Below, with Stake Holder; Weight per Set 1 lbs **$132.30**

One Set in a Wood Box

Stakes for Above Sets

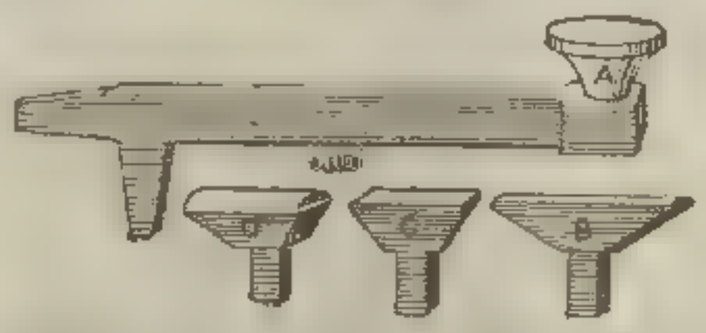
		Each
✣No. 923	—Stake Holder; Weight 21 lbs	$11 85
✣No. 905	—Beakhorn; Weight 47 lbs. (2 pieces).....	41 60
✣No. 905½		
✣No. 926	—Blowhorn; Weight 10 lbs.....	13 20
✣No. 929	—Creasing; Weight 8 lbs	11 40
✣No. 934	Double Seaming; Weight 23 lbs.....	18 90
✣No. 933	—Conductor; Weight 16 lbs. (2 pieces).....	15.10
✣No. 933½		
✣No. 955	—Candle Mould; Weight 4½ lbs.....	11.80
✣No. 959	—Needle Case; Weight 4 lbs	9 50

Extra Parts

	Each
✣No. 933 —Large End for Conductor; Weight 31 lbs.....	$8 40
✣No. 933½—Small End for Conductor; Weight 16 lbs.....	8 40
✣No. 905½—Flat End for Beakhorn; Weight 16 lbs .	22 90
✣No. 905 —Round End for Beakhorn; Weight 10 lbs ..	22 90
✣Screw and Bolt for Stakeholder; Weight 9 ozs	1 50
✣Nut for Stakeholder; Weight 10 ozs	.90

Loose

STAKE HOLDERS AND STAKES



Double Seaming

With Four Different Shaped Heads

Per Set

No. 949—Set Consists of a 22x4 inch Square Arm, One 6 inch Round Head with Flat Face, One 5¾x4 inch Oblong Head with Round Face, One 5x4¾ inch Square Head with Flat Face, and One 6½x3 inch Oblong Head with Oval Face, Weight per Set 85 lbs..... **$37 80**

One Set in a Wood Box

Items Marked ✣ Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory

TINNERS TOOLS
PECK; STOW & WILCOX

MANDREL STAKES

With Oval Face on One Side, Flat Face on Reverse Side; Lengths Given Do Not Include Head.

Nos.	✝960	960½	961	✝962
Length, inches	60	40	34	30
Weight Each, lbs.	128	87	44	37
Each	$40.00	25.20	21.00	16.80

Loose

HOLLOW MANDRELS

Secured to Bench in Such a Manner that it Can be Swung to any Desired Position and Fastened.

No.	910
Length, inches	40
Oval Part, inches	32
Flat Part, inches	6
Weight Each, lbs.	45
Each	$18.90

Loose

ADAMS
STOVE PIPE MANDRELS

With Heavy Band Clamp for Attaching to Bench. This Mandrel will be Found Very Handy, Especially in Small Shops.

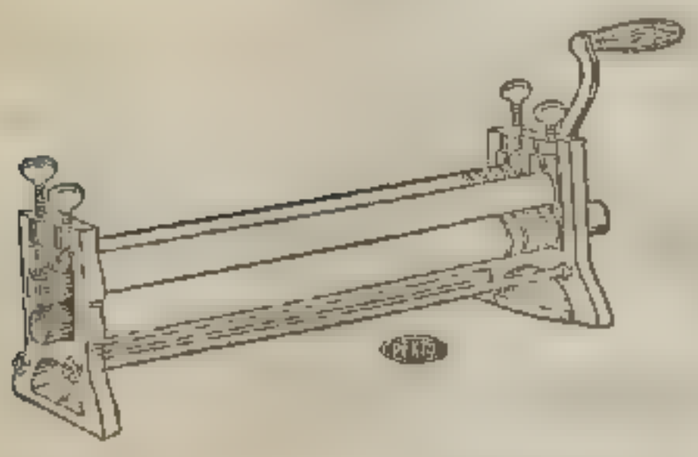
Each

No. A—Cast Iron Polished Face; Length Over All 36 inches; Width 4½ inches; Weight Each 40 lbs. $12.00

No. A2—Unpolished, Otherwise Same as Above; Weight, Each 40 lbs. 10.00

One in a Wood Box

PECK, STOW & WILCOX
STOVE AND TIN PIPE FORMING MACHINES
STOW'S PATTERN



Turned Steel Rolls; Smooth and Free From Imperfections; Cast Iron Frame, Japanned.

For Stove Pipe

No.	357
Diameter Rolls, inches	2
Length Rolls, inches	30
Weight Each, lbs.	130
Each	$50.40

For Tin Pipe

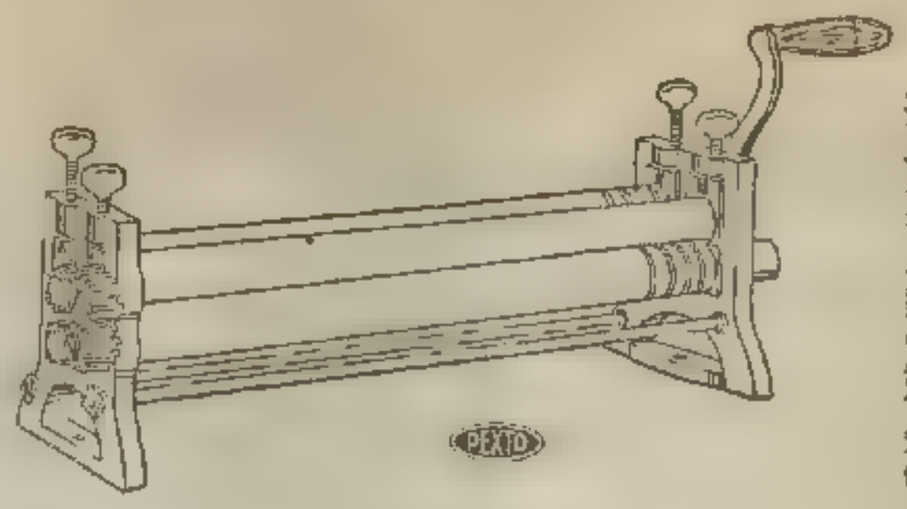
Nos.	✝359	✝361
Diameter Rolls, inches	1½	1
Length Rolls, inches	20	12
Weight Each, lbs.	54	34
Each	$44.00	37 80

For Cans

Nos.	✝355	✝356
Diameter Rolls, inches	2	2
Length Rolls, inches	37	40
Weight Each, lbs.	150	160
Each	$58.80	67.20

One in a Wood Box

TINNERS TOOLS
PECK, STOW & WILCOX
STOVE AND TIN PIPE FORMING MACHINES
STOW'S PATENT



With Compensating Gears

Gears Run Smoothly, Regardless of Thickness of Metal, Without Danger of Slipping or Breaking; Cylinders Can be Formed from DXXX Tin as Small as 2½ inches and from X Tin as Small as 2¼ inches Diameter

For Stove Pipe

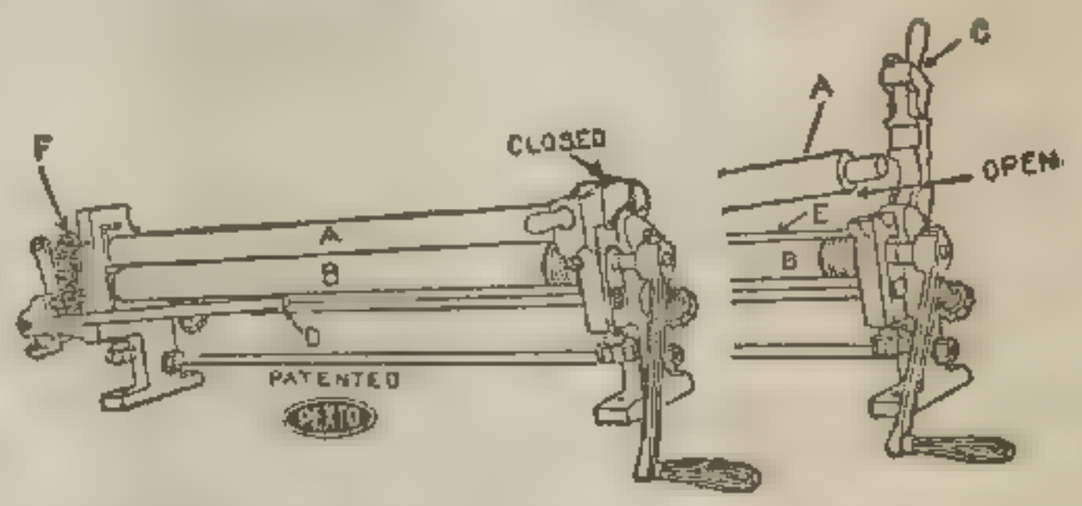
Nos.	373	✝372
Diameter Rolls, inches	2	2
Length Rolls, inches	30	37
Weight Each, lbs.	120	140
Each	$60 90	69 30

For Tin Pipe

No.	✝380
Diameter Rolls, inches	1½
Length Rolls, inches	20
Weight Each, lbs.	53
Each	$54 60

One in a Wood Box

PATENT SLIP ROLL FORMERS



New Original Pexto Features are Embodied in These Forming Machine Patterns that Place Them in a Class by Themselves. They are Greatly Improved Over Our Old Slip Roll Pattern Forming Machines and Those Which the Present Market Offers. A Careful Study of the Illustration Shows the Time and Steps Saved Through Being Able to Perform All Operations at One End of the Machine, the Convenient End Where the Crank is Fitted. Without Necessitating the Changing of Positions the Sheet to be Formed is Placed Between the Gripping Rolls (A) and (B). The Cylinder Formed, Open Latch (C), Then by Means of Lever (D) raise Upper Gripping Roll (A) and Slip the Formed Cylinder From the Roll (A). It will be Readily Seen that all Operations are Performed at the Crank End of the Machine—a Pexto innovation that Can be Well Appreciated by the Mechanic Who Has Operated the Old Pattern Slip Roll Former. Rolls (A) and (E) are Adjusted with Knurled Screws, and Once Adjusted They Cannot Slip. The Gears (F) are Steel, Machine Cut, Running More Smoothly Than Cast Iron Gears Without Danger of Slipping or Breaking with Whatever Thickness of Metal is Used.

The Roll Raising Mechanism in These Machines is so Balanced that the Roll (A) is Easily Lifted with a Slight Pressure on the Lever (D). The Latch (C) is Released and Closed with one Movement, and is Self-Locking.

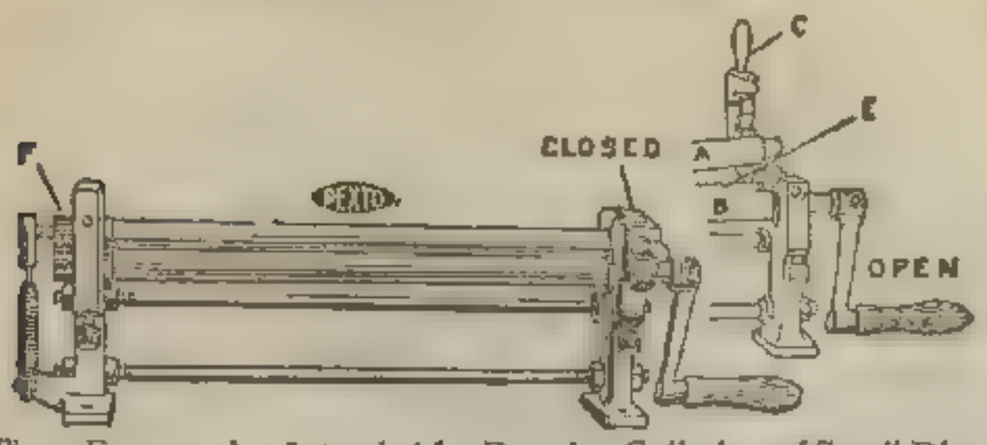
Nos.	382A	381A	0381A	390A	400A
Diameter Rolls, inches	2	2	2	2½	2½
Length Rolls, inches	31	37	43	37	31
Gripping Rolls, Open, inches	½	½	½	½	½
Weight Each, lbs.	165	180	200	350	300
Each	$75.60	82.00	90.30	198.00	182 00

Items Marked ✝ Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory

TINNERS TOOLS

PECK, STOW & WILCOX

PATENT SLIP ROLL FORMERS

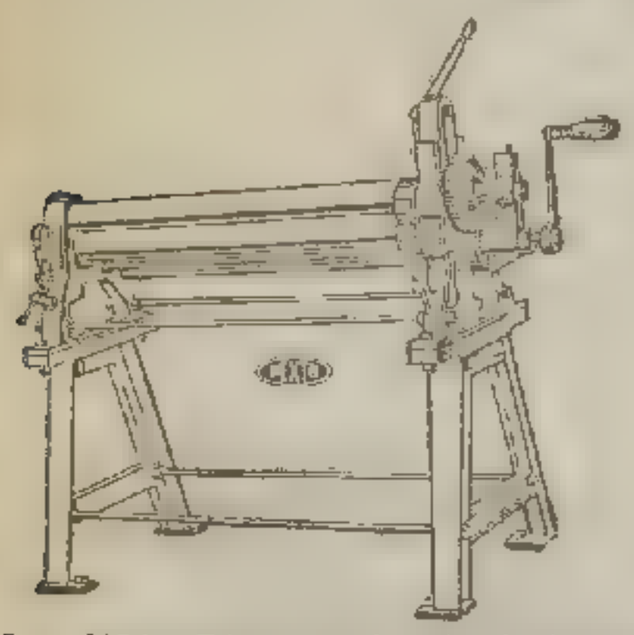


These Formers Are Intended for Forming Cylinders of Small Diameters and are an Improvement Over Our Old Slip Roll Tin Pipe Forming Machines and Those Which the Present Market Offers. All Operations are Performed at One End of the Machine—the Convenient End, Where the Crank is Fitted.

After the Cylinder is Formed the Latch (C) When Opened Permits the Upper Roll (A) to Raise Automatically. The Formed Cylinder Can then be Removed from the Roll A, Without Distorting It. The Latch (C) with the Roll (A) is Released and Closed with One Movement and is Self-Locking. Rolls (B) and (E) are Adjusted with Knurled Screws and Once Adjusted They Cannot Slip. The Gears (F) are Steel Machine Cut.

Nos.	0350	0384A
Diameter Rolls, inches	1	1½
Length Rolls, inches	16	21
Weight Each, lbs	5	85
Each	$50 40	52 00

One in a Box



HEAVY SLIP ROLL FORMERS

Back Geared; Compensating Gears, For 14 Gauge Iron and Lighter; Three Revolutions of Crank to One Revolution of Rolls; Regularly Furnished with Crank on Each End.

Each

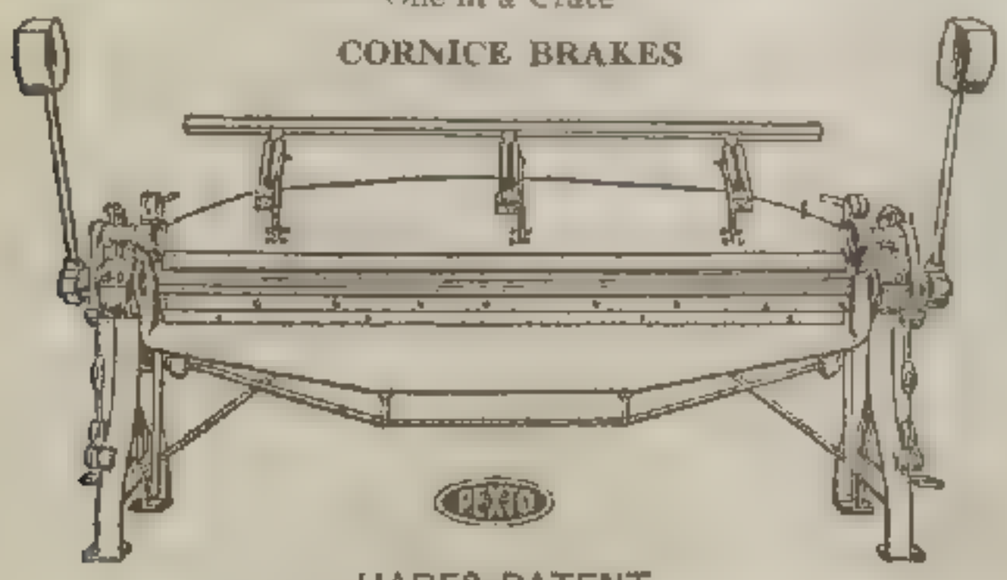
No. 418A—Diameter of Rolls 3 inches; Length 49½ inches, Weight Each 660 lbs. $297 00

NOTE—Above Machine, with Legs; Additional, Each 35 20

†Pulleys—Above Machine with 18x4 inch Tight and Loose Pulleys for Power; Speed 60 R. P. M., Additional 44.00

One in a Crate

CORNICE BRAKES



HARES PATENT
Four Leaf

Bending Leaf is of Special Steel, and Properly Balanced by Two Weights; Journals Have Roller Bearings; Bracket, on Right Hand End. will Bend Any Angle Wanted; Has Attachment or Fourth Leaf for Making Circular or Semi-Circular Forms; Brake is Especially Adapted for Heating, Ventilating and Cornice Work; for Forming Gutters, Valleys, [illegible] guaranteed to Bend No. 18 Iron, Perfectly Straight Its Entire Length and without Springing; Furnished with One Forcing Bar and Seven Formers; Viz.: 3, 2½, 2, 1¾, 1½, 1¼ and 1 inch. Each

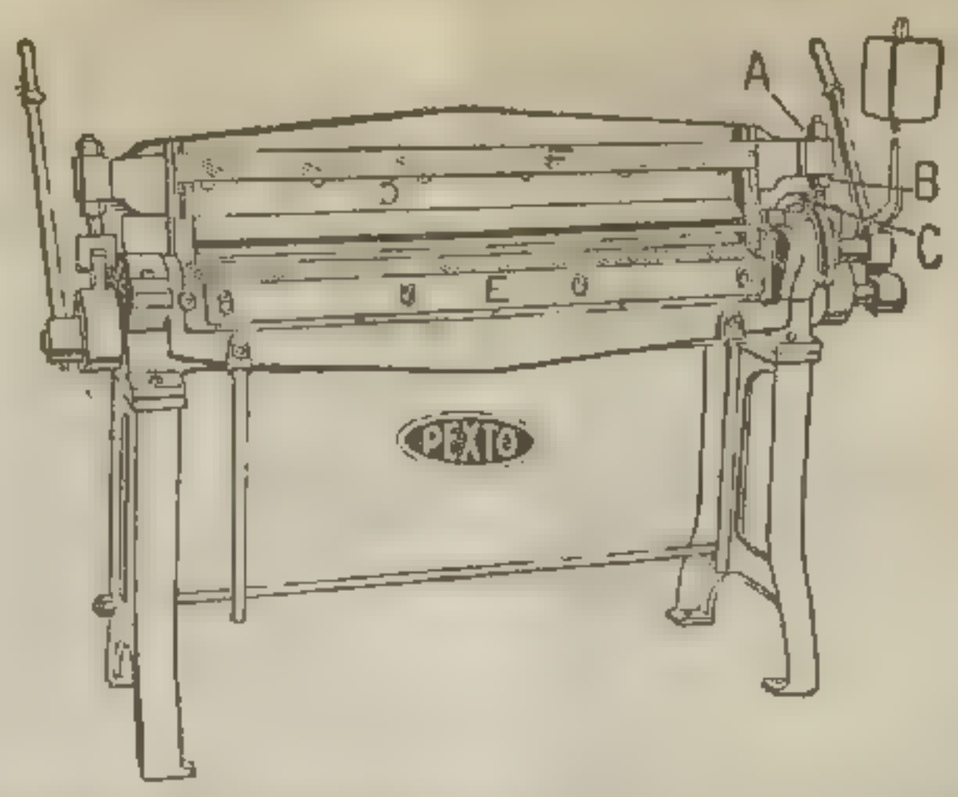
†No. 685—Length 98 inches; Clamping Jaws Open 2 inches; Weight Each 3,650 lbs. $1177.00

One in a Crate

TINNERS TOOLS

PECK, STOW & WILCOX

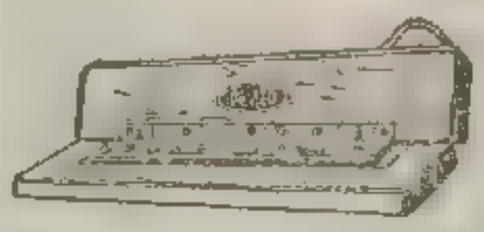
COMBINATION BRAKE AND FOLDER



Cast Iron, with Steel Bending Blade; For 16 Gauge Iron and Lighter; Will Form Open and Closed Locks from ⅛ inch in Width, on No. 24 Iron, to 1¼ inch in Width, on No. 16 Iron; Furnished with Seven Formers, for Making Circular, and Semi-Circular Bends in Cornice Work; Viz. 3, 2½, 2, 1¾, 1½, 1¼ and 1 inch. Each

†No. 93—Length 42 inches, Clamping Jaws Open 1¾ inches; Weight Each 950 lbs. $539.00

One in a Crate



ROOFING FOLDERS

Solid Oak, Natural Finish; Steel Edge; Iron Carrying Handle. For Flat Seam Tin Roofing.

Improved, With Gauge Each

No. 113—20 inches Long; Weight Each 11 lbs. $14 00

No. 123—30 inches Long; Weight Each 15 lbs. 16.50

Loose

ROOFING FOLDERS

Solid Oak, Natural Finish; Steel Edge; Iron Carrying Handle. For Flat Seam Tin Roofing.

Common, Without Gauge Each

No. 13C—20 inches Long; Weight Each 9 lbs. $12.10

No. 33C—30 inches Long; Weight Each 12 lbs. 14.20

Loose

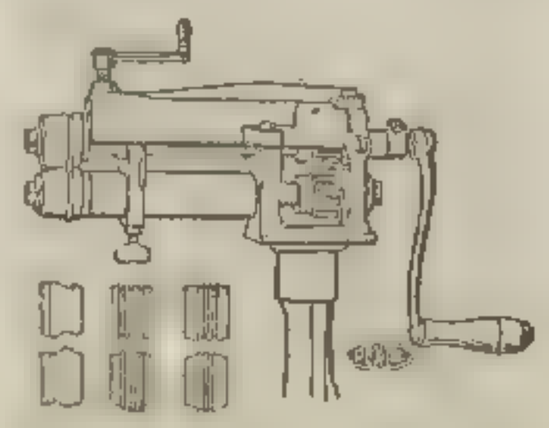
HANDY SEAMERS

As the Name Implies, a Handy Seamer; Useful Where a Larger Seamer Would Not be Practical; Light Enough to be Carried in Tool Kit, or Pocket.

Per Dozen

No. 781—Size Over All 7¼x3⅛ inches; Size of Blade 3½x⅞ inches; For Seams ⅛ to ⅜ inches; Weight Each 1 lb. $32.80

Loose



BEADING MACHINES

STOWS PATENT

With Interchangeable Parts

Will Bead Material Up to and Including 26 Gauge.

Each

No. 620—Length 6 inches; Size of Beads: Ogee, ¾ inch; Triple, ⅝ inch; Triple Coffee Pot, ½ inch; Single, ⅜ inch; Weight Each 35 lbs. $58.80

One in a Box

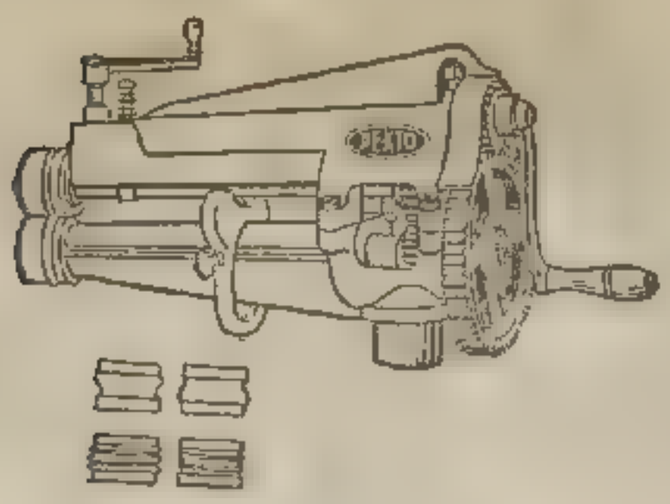
Items Marked † Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory

TINNERS TOOLS

PECK, STOW & WILCOX

BEADING MACHINES

STOW'S PATENT



With Interchangeable Parts

Has Guide Rest in Front on which the Article Rests while the Bead is Formed; Each Machine is Equipped with 3 Pairs of Rollers and Rotary Stand; will Bead 20 Gauge Iron.

Nos.	617B	‡619B
Length, inches	13	7¾
Ogee Bead, inches	1	⅞
Triple Bead, inches	1	⅞
Single Bead, inches	⅜	5/16
Weight Each, lbs	117	81
Each	$115.50	94 50

One in a Box

EXTRA PARTS

	617B	619B
‡For Machine, Nos.		
‡Rollers, per Pair	$12 60	12 60
‡Crimping Rolls, per Pair	16 80	16 80
‡Guide Rests, Each	10 50	10 50
‡Stands	42 00	42.00

Loose

COMMON ROOFING TONGS

Used to Turn Seams and to Draw the Two Strips of Tin Together Before Cleating. Each Size Turns but One Size of Seam; Made of Steel, Japanned; 24 inches Long; 17 inch Clamps.

Cut Shows One Pair. A Set Consists of Two Pair.

Per Pair

No. 771 —Turns 1 inch Seams. $10 00

No. 771¼—Turns 1¼ inch Seams. 10 00

No. 771½—Turns 1½ inch Seams. 10 00

Average Weight per Pair 9 lbs.

Loose

IMPROVED ROOFING TONGS

STOW'S

These Tongs are Adjustable; a Single Pair Will Turn Five Different Widths of Seams; They Are Not, Therefore, Sold in Sets; Made of Steel, Japanned.

Per Pair

No. 773—Turns Seams ½, ¾, 1, 1¼ and 1½ inches; Length 25½ inches; Length of Clamps 18½ inches; Weight per Pair 8½ lbs. . $13.00

Each

‡Extra Blades for Above; Weight Each 2¼ lbs. .....
‡Extra Bolts for Above; Weight Each 1½ ozs .. ..
‡Extra Screws for Above; Weight Each 1 oz. .....
} Prices on Application

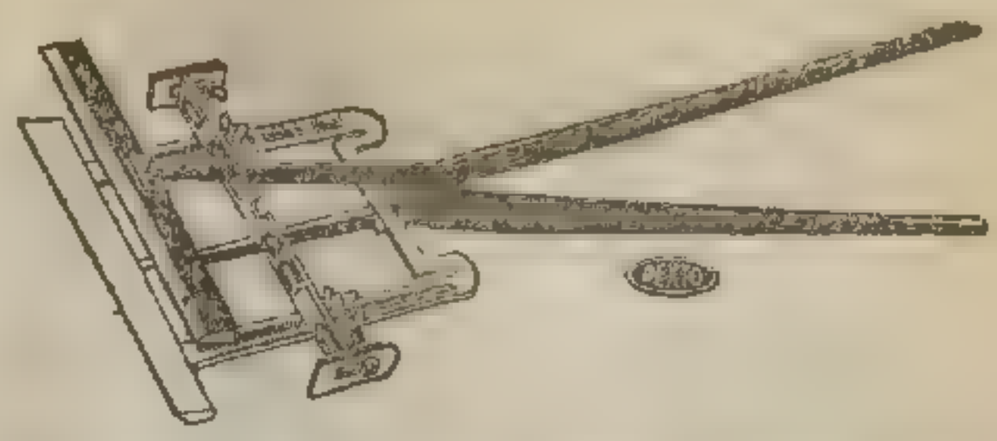
Loose

TINNERS TOOLS

PECK, STOW & WILCOX

ROOFING TONGS

REESE PATENT



With Adjustable and Removable Gauge. Strongest for Edging and Bending Any Kind of Sheet Metal up to 22 Gauge; Steel Clamps, Japanned; Adjusted by Thumb Screw and Sliding Gauge.

Per Pair

No. 775—Adjustable to Turn Edges from ½ to 10 inches; Length 30 inches; Width of Clamps 14 inches; Weight per Pair 11¾ lbs. **$20.00**

Loose

ROOFING DOUBLE SEAMERS

Used in Places Where Seaming Tongs Would be Inconvenient.

Two Pair to Match, Make One Set; Cast Steel; Japanned

A Set Consists of Two Pair; Cut Shows One Pair.

Per Set of Two Pair

No. 745 Size of Faces 1x1¼ inches. $6.30

No. 746—Size of Face 1¼x1½ inches. 6 80

Loose; Weight per Set 19 lbs.

Single Pair One Half Above Price

GUTTER TONGS

For Turning Up Gutter, etc. Steel Clamps, Malleable Iron Handles, Japanned; Suitable for Iron or Steel up to 22 Gauge.

Per Pair

No. 777—Length 37 inches; Width of Clamps 13 inches; Weight per Pair 10 lbs. $10.00

Loose

DOUBLE SEAMERS

BURRITT'S

Japanned Malleable Iron, Hollow Tubed Iron Handles and Malleable D Handle. Will Double Seam Hips and Ridges, Can be Used by Either Hand or Foot Power. When Shipped They are Fitted for IC Tin.

Per Set of Two Pair

No. 742—With Gauge; to Follow 1 and 1¼ inch Tongs, forming ¾ inch Locks; Length Over All 30 inches; Width 13 inches; Size of Blade ¾ to 2 inches; Weight Each 21 lbs. $45 00

No. 742½ —With Wide Gauge; to Follow 1¼ and 1 [illegible] h Tongs, forming 1 inch Locks; Length Over All 29¼ in[illegible] Width 16 inches; Size of Blade 3½ inches; Weight Each 40 lbs [illegible] 45.00

One in a Box

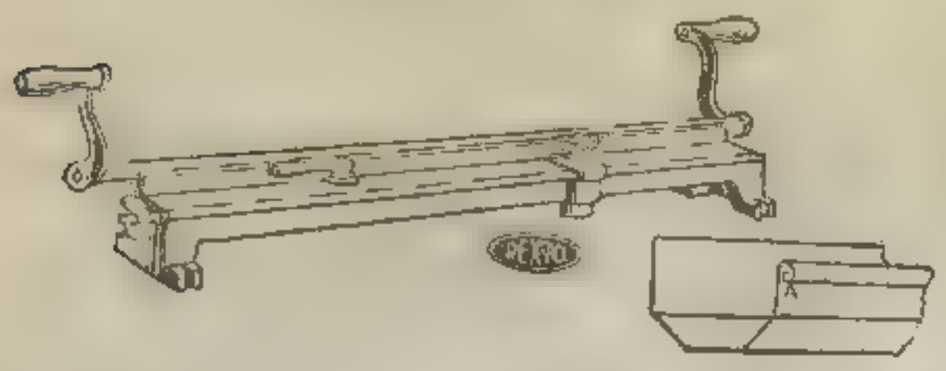
Items Marked ‡ Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE.

TINNERS TOOLS

PECK, STOW & WILCOX

GUTTER BEADERS

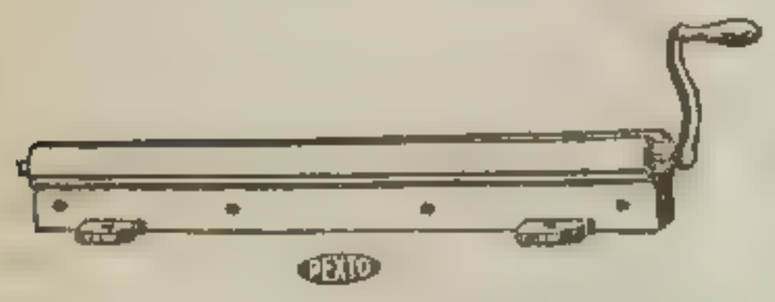


Gutter Beaders are Intended for Forming a Bead on the Edges of Gutters. This Machine is so Constructed that it can be Easily Adjusted to be Used with Rods from ⅜ to ⅛-inch in Diameter. The Thickness of the Metal is Determined by the Size of the Rod. It has a Gauge or Stop on the Left-hand End, so that after Adjusting the Jaws and Setting the Gauge for the Size of the Rod to be Used, the Jaws can be Easily Opened to Remove the Work and Rod, and then Closed in Exactly the Same Position as when the Bead was Formed, so that the Operator can Form any Number of Beads of Exactly the Same Size. The Jaws are Adjusted by a Hand Wheel with Rack and Pinion, which Adjusts Both Ends of the Movable Jaw.

Each

No. 700—Length 31 inches; Diameter of Rod ⅜ to ⅛ inch; Weight Each 75 lbs..... **$42.00**

One in a Box



The Jaws on these Machines do not Open for the Purpose of Removing Rod and Work. The Rod is Enclosed, and They are Adapted for the Size Rod Ordered.

Nos.	708	709
Length	42	31
Diameter Rod, inch	½ to ⅝	⅜ to ¾
Weight, lbs.	27	27
Each	**$31.50**	**21.00**

One in a Box

GUTTER RODS

For Gutter Beaders Shown Above; Made of Steel.

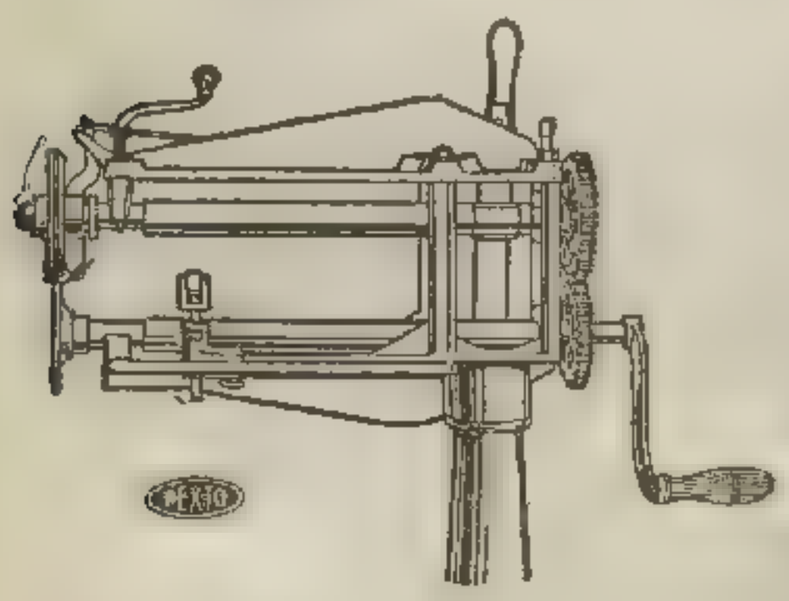
Each

No. R709—Length 36 inches; Diameter ⅜ to ¾ inch; Weight Each 4¼ lbs..... **$8.40**

✣**No. R708**—Length 45 inches; Diameter ½ to ⅝ inch; Average Weight Each 8 lbs..... **12 60**

Loose

Diameter of Rod Wanted Must Invariably be Given, or Orders Cannot be Filled.



DOUBLE SEAMING MACHINES

MOORE PATENT

With Stand

For General Purposes; Adapted to Metals up to No. 26 Gauge. The Only Machine that will Double Seam Coffee Pots.

Each

No. 644—For Heavy Metal; Length 15 inches; Diameter of Face 4½ inches; Weight Each 50 lbs..... **$115.50**

✣**No. 646**—For Coffee Pots; Length 10 inches; Diameter of Face 2¾ inches **105 00**

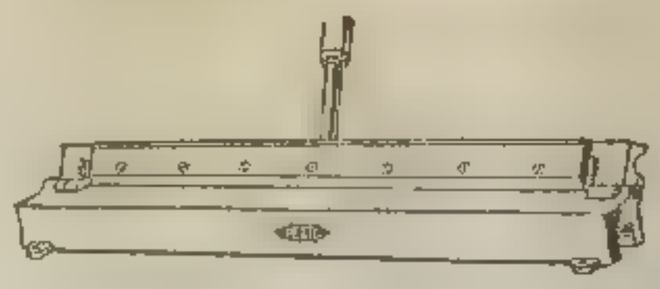
One in a Wood Box

TINNERS TOOLS

PECK; STOW & WILCOX

SHEET IRON FOLDERS

STOW'S IMPROVED



These Machines can Only be Used in Turning Flat Sheets.

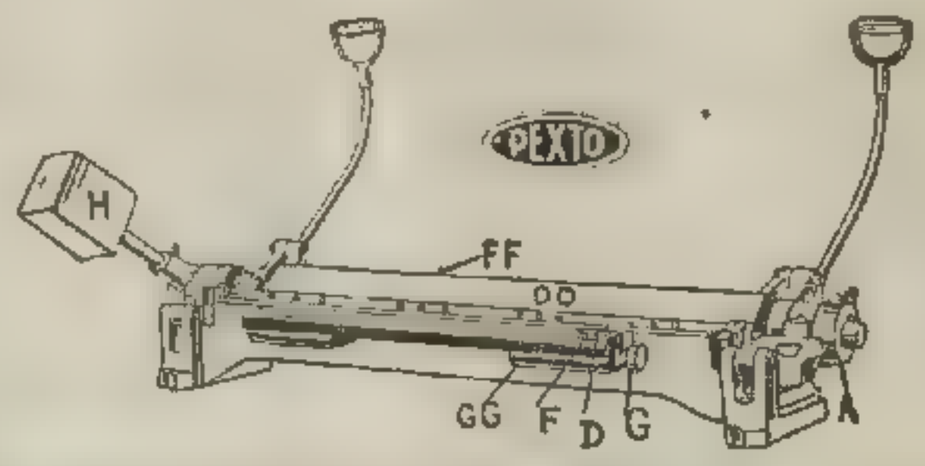
Iron Bottom; Will Turn Locks from 3/16 to ⅛ inch Wide; the Gauge is Moved by Sliding Endwise and is Always on a Line Parallel with the Edge of the Folding Plate.

Each

No. 10A—Length 30 inches; Adapted to Metals up to 26 Gauge; Weight Each 58 lbs..... **$56 70**

✣**No. 15**—Length 42 inches; Adapted to Metals up to 26 Gauge, Weight Each 175 lbs..... **84 00**

One in a Wood Box

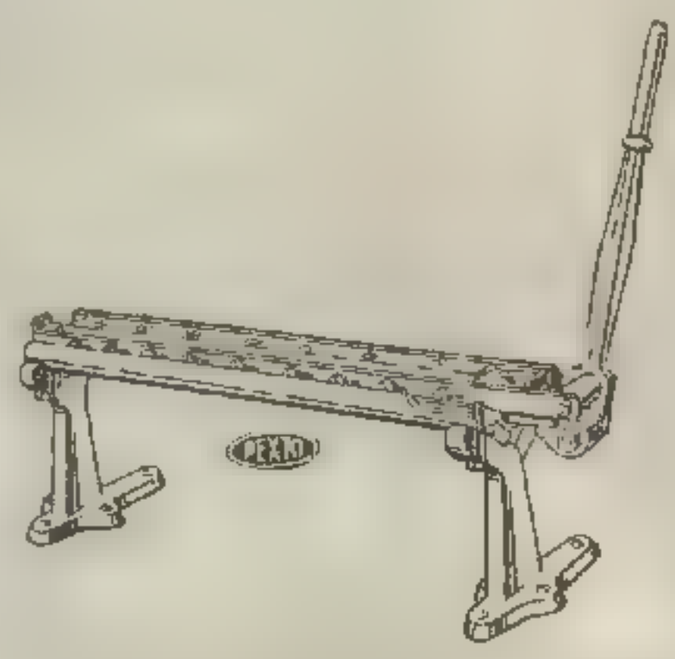


Bar Folders; Stoves, Adjustable. Will Form Open or Closed Locks from ⅛ to 1½ inches; Also Adapted to Turning Edges for Wiring; Will take Material up to 20 Gauge; Machines Leaving Factory are Adjusted for I. C. Tin; or 29 Gauge Metal.

Each

✣**No. 55A**—Length 37 inches; Weight Each 365 lbs..... **$209 00**

One in a Box



SHEET IRON FOLDERS

CHAMPION

Gauge is Adjustable to Form Locks from 3/16 to ½ inch Wide; the Fold is Completed Against a Round Steel Rod, Insuring a Lock of Uniform Width the Entire Length; this Rod also Protects the Edge of the Frame and can be Replaced at Small Expense.

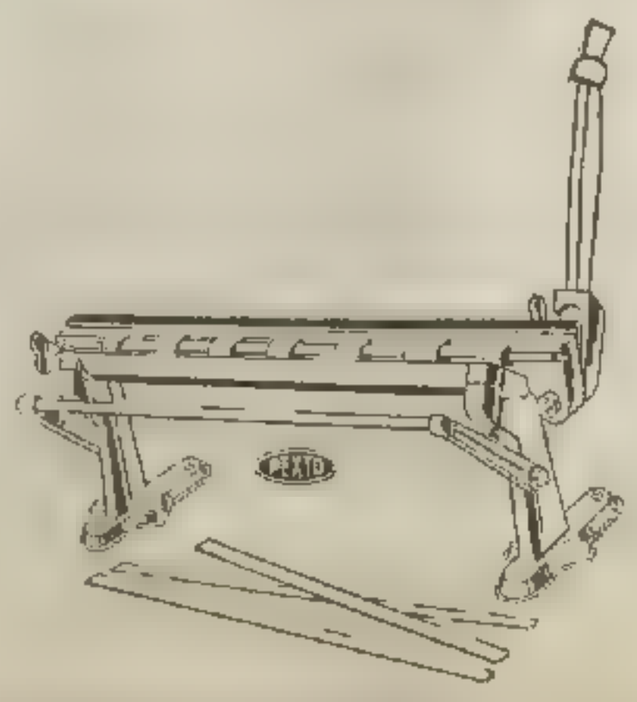
This Machine is Gradually Superseding all Other Makes on Account of its Great Strength and Durability; No 13 has a Handle at Each End.

Each

✣**No. 11A**—Length 33 inches; Adapted to Metals up to 26 Gauge; Weight Each 100 lbs..... **$67 20**

✣**No. 13**—Length 42 inches; Adapted to Metals up to 24 Gauge, Weight Each 120 lbs..... **102 50**

One in a Wood Box



SHEET IRON FOLDERS

WRIGHT PATENT

Gauge is Adjustable to Form Locks 3/16 and 5/16 inch Wide.

This Machine is Intended for Ordinary Work only; it Answers all General Purposes in the Average Shop.

Each

✣**No. 0**—Length 42 inches; Adapted to Metals up to 22 Gauge; Weight Each 100 lbs..... **$105.00**

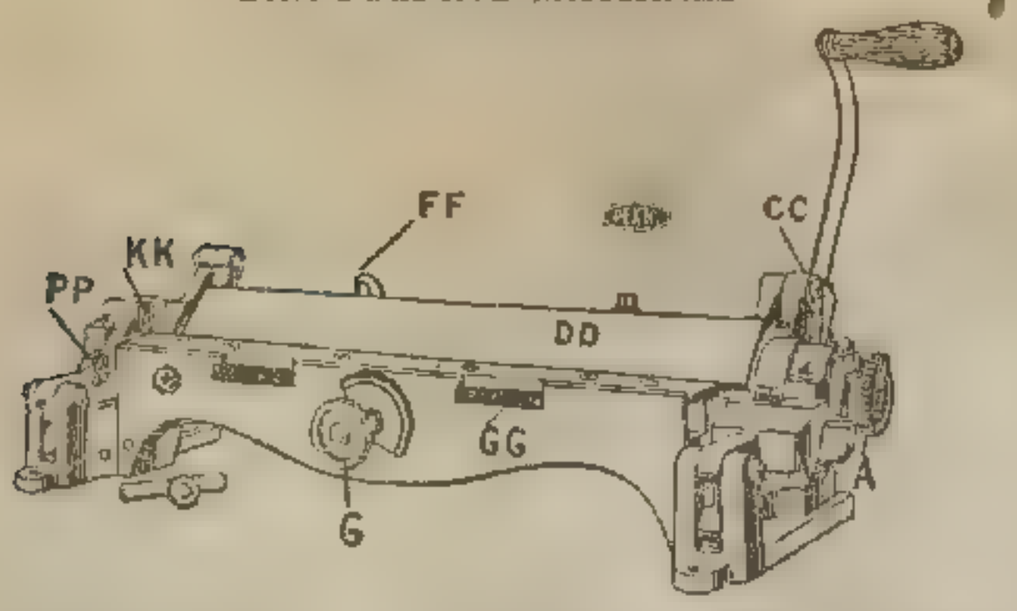
No. 1 Length 30 inches; Adapted to Metals up to 24 Gauge; Weight Each 75 lbs. **58.80**

One in a Box

Items Marked ✣ Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory

TINNERS TOOLS

PECK, STOW & WILCOX
BAR FOLDING MACHINES



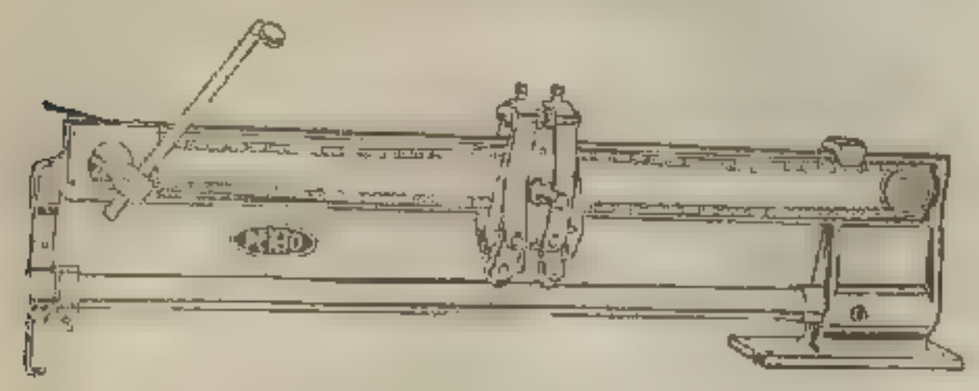
Will Turn Locks from ⅛ to 1 inch Wide; Nos. 152 and 154 are Adapted to Metals up to 23 Gauge; No. 352 will Turn Locks on 20 Gauge Metals.

The Gauge is Moved by a Hand Wheel in the Center and Fastened by a Set Screw at Left End of Frame; the Movement of the Gauge is Instantaneous; it is Adjustable in Fractions of Inches.

	Each
✣No. 62A—Length 20 inches; Weight Each 80 lbs.	$115 50
✣No. 63A—Length 30 inches; Weight Each 155 lbs.	136 50

One in a Wood Box

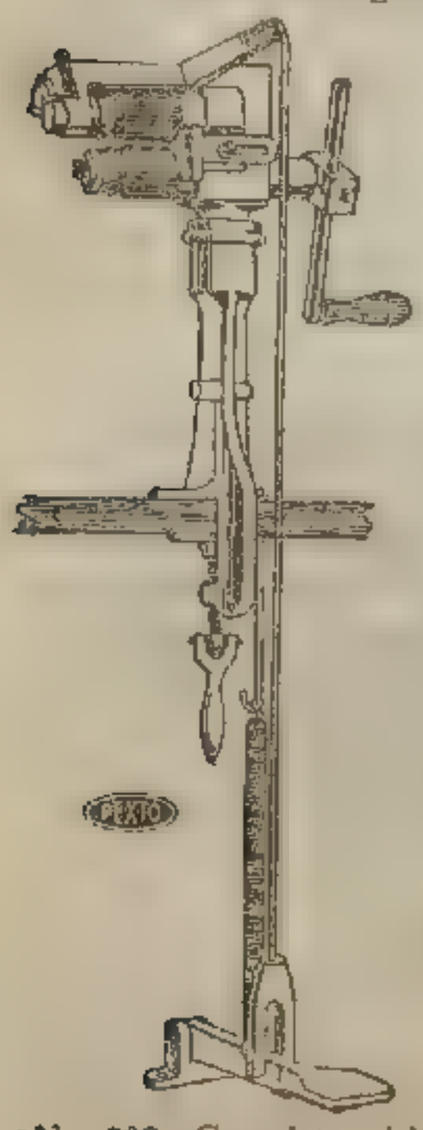
GROOVING MACHINES



Improved Automatic; More Rapid than the Ordinary Groover, in that Operator Does Not have to Change His Position in Inserting and Removing Work from the Machine; Has Adjustable Stop on Upper Bar for Work of Different Lengths; May be Used on All Cylinders, Not Less than 2 inches in Diameter; Adapted to Metal Not Heavier than 24 Gauge.

	Each
✣No. 518A—Will Groove Work up to 30 inches; Size of Grooving Rolls; One Each 3/16, 7/16, and 15/32 inch; and Two 5/16 inch; Also One Flattening Roll; Weight Each 200 lbs.	$136.50

One in a Box



CRIMPING AND BEADING MACHINES

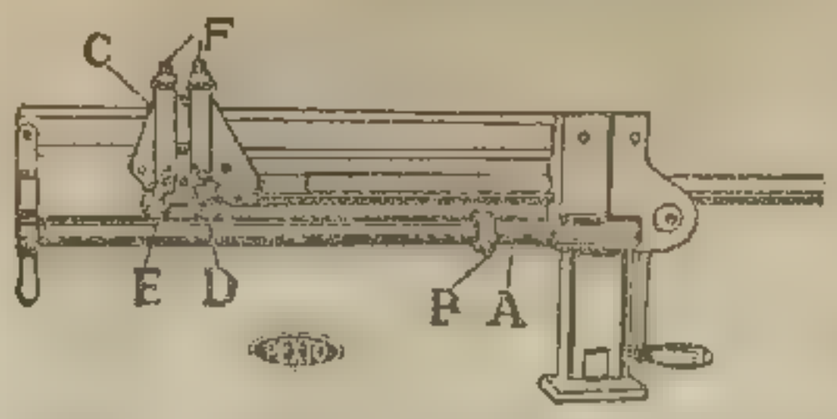
With Foot Treadle; for Depressing Rolls; Contact of Upper Beading Roll is Adjustable by a Lever; Lever Also has an Independent Adjustment for Raising Upper Beading Roll, and Taking Same Out of Contact with Lower Roll, when Crimping Only is Desired, thus Obviating the Necessity of Substituting Blank Collar for Beading Rolls; Capacity, 24 Gauge Iron and Lighter; Crank is Adjustable to Suit Light or Heavy Work.

	Each
✣No. 602—Complete with Standard and Foot Treadle, Like Cut; Weight Each 38 lbs.	$58 80

One in a Box

TINNERS TOOLS

PECK, STOW & WILCOX
GROOVING MACHINES



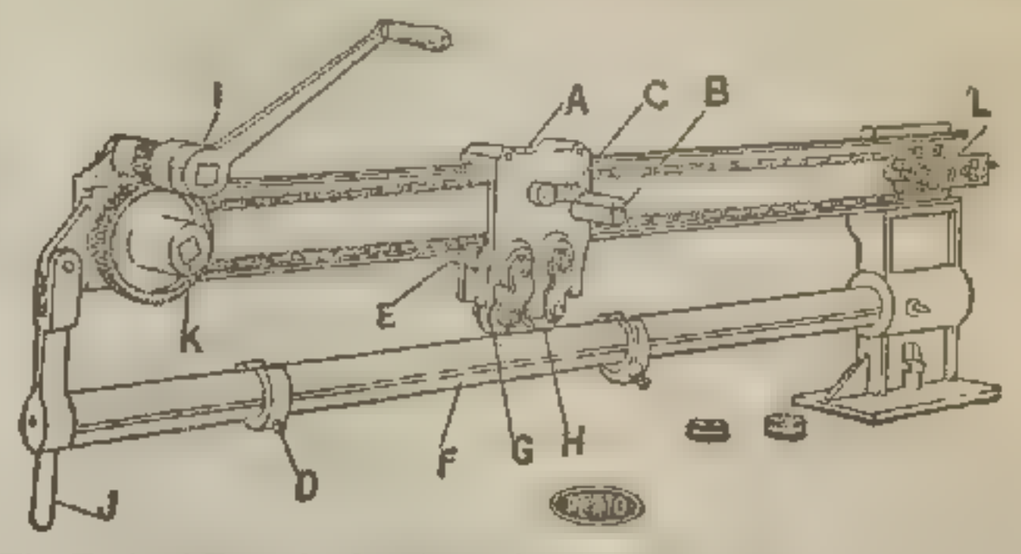
These Machines are Constructed for General Grooving and Have an Improvement Consisting of an Attachment Which Grooves and Flattens the Seams of Cylinders in One Operation. Lower Bar or Horn (A) is Reversible, so that Either the Flat Surface of One of the Grooves Which is Planed into the Horn can be Turned Upward, Permitting for the Locating of Seams on the Inside or the Outside of the Work. The Seam is Put on the Inside of Work by Means of Flat Roll which Presses the Seam into One of the Grooves Planed in the Horn, Outside Grooving is Done in the Usual Manner by Using the Grooved Rolls on Flat Surface of Horn. An Adjustable Stop Collar (B) is Fitted on Lower Horn (A) to prevent work Slipping while Being Grooved.

An Improved Feature will be Found in the Carriage (C) which Holds Flattening Roll (D) and Grooving Roll (E). The Flattening Roll (D) Runs Idle on the Outward Run and the Grooving Roll (E) Runs Idle on the Backward Run. In other Words, Both Rolls do Not Press on the Seam at the Same Time, which Makes for Easy Grooving. The Old Style Friction Spring and Roll for Tension are Not Used, the Tension Being Secured Through a More Simple Arrangement at (F), which Permits for Greater Uniformity in the Seams Grooved and Eliminates Frequent Spring Breakage.

Nos.	506-A	507-A
Length Grooving Horn, inches	33½	43½
Weight Each, lbs.	151	175
Each	$105.00	115.50

One in a Box

GROOVING MACHINES



The Trained Eye of a Mechanic is Not Necessary to Claim for These New Patterns a Masterpiece Machine for Grooving and Flattening the Seams in Heavy Sheet Metal Work. The More Important Principles Embodied in the Construction of this Machine are Original, Making for a Greatly Serviceable and Convenient Machine for Light as well as Heavy Work.

(A) is the Grooving Carriage that Moves on a Chain Through Gears; (L) is a Take-up Attachment, if the Chain Should Stretch after Long and Constant Use; (C) is a Release Lever, Disengaging the Carriage from Chain. When so Disengaged the Carriage (A) can be Worked Backward and Forward by the Handle (B) for Lightning Grooving on Light Material. The Position of Hand Crank (I) offers a Direct-acting Motion. Putting the Crank (I) in the Large Gear (K), the Machine Becomes Back Geared for Greater Ease when Grooving Heavy Iron. Pressure of the Grooving Roll (G) and Flattening Roll (H) is Secured Through Eccentrics and which are Quickly and Easily Adjusted Through a Turn of Knobs (E). The Flattening Roll (H) Runs Idle on the Outward Run and the Grooving Roll (G) Idle on the Backward Run. The Two Rolls do Not Press the Seams at the Same Time, Therefore Easy Grooving is Assured. Lower Bar (F) is Reversible, so that Either the Flat Surface or One of the Grooves which is Planed into the Horn can be Turned Upward, Permitting for the Locating of Seams on the Inside or the Outside of the Work. The Stop (D) is Steel and Prevents Work Slipping while the Grooving is Taking Place.

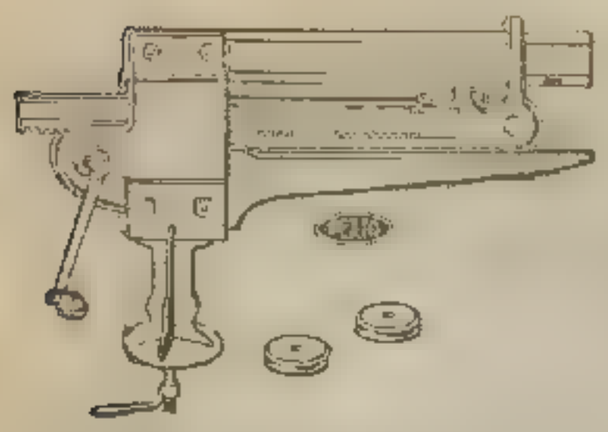
The Combination of Features Described Offers an All-around Grooving Machine for Light and Heavy Work up to 36 inches and No. 20 Gauge. The Big, Busy Shop Cannot Afford to be Without One.

	Each
No. 520—Will Groove Work 36 inches; Weight Each 410 lbs.	Price on Application

One in a Box

Items Marked ✣ Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory

TINNERS TOOLS
PECK, STOW & WILCOX



PATENT BRASS MOUNTED GROOVER

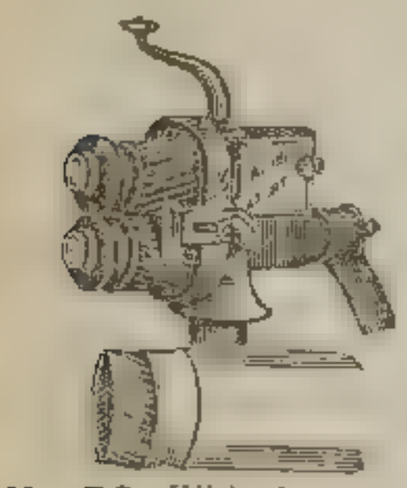
With Steel Bar and Milled Horn

Adapted to Locking Seams on Metals up to 24 Gauge; Complete with Three Grooving Rolls; Sizes 1/8, 5/32 and 7/32 inch.

Each

†**No. 502A**—Length 20 inches; Weight 78 lbs.....**$67 20**

One in a Box



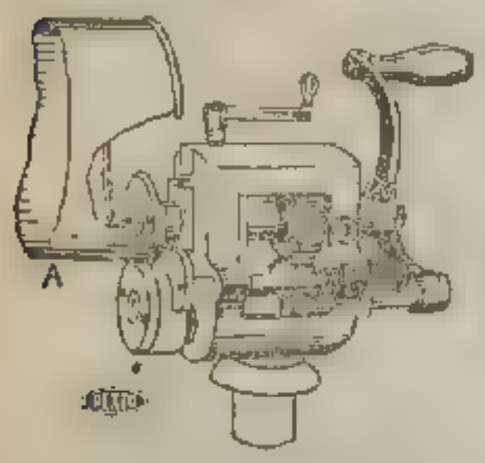
PACKHAM
STOVE PIPE CRIMPERS AND BEADERS

Adapted to Metals up to 22 Gauge

Each

No. PC With Standard; Spiral Beading and Crimping Rolls; Weight Each 27 lbs.....**$30 00**

One in a Box



PECK, STOW & WILCOX
ELBOW EDGING MACHINES
STOW'S COLUMBIAN

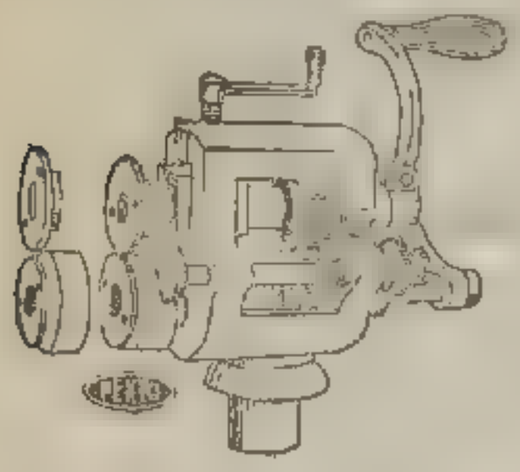
Saves One Third of the Time of the Operator in Putting Elbows Together; Forms Both the Crease and Bead for Uniting the Two Sections.

Each

No. 551—Machine with Standard; Weight Each 25 lbs.....**$42.00**

One in a Box

†**Extra Rolls or Faces**; Weight per Pair 1 lb.....**Price on Application**



TURNING MACHINES
STOW'S COLUMBIAN

Used in Preparing Vessels for Wiring and in Putting Stove Pipe Elbows Together; Each Size of Machine has Two Sets of Faces, Adapting It to the Sizes of Wire Most Commonly Used; Adapted to Metals up to 24 Gauge.

Nos.	Style	Weight Each, lbs.	Each
541	Small; With Standard	28	$42 00
541½	Small, Without Standard	16	40.00
542	Large; With Standard	30	46 20
542½	Large; Without Standard	20	44 10

Extra Faces for Small or Large Machines.....Price on Application

One in a Box

TURNING MACHINES
STOW'S ENCASED

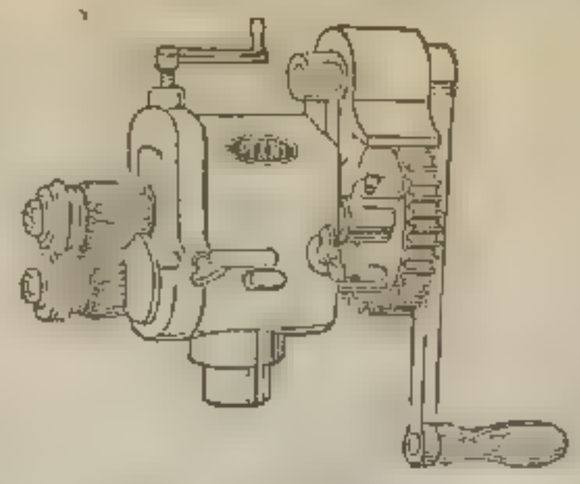
With Adjustable Faces and Interchangeable; Parts Gearings are Fully Protected.

Nos.	Style	Weight Each, lbs.	Each
545	Small; With Standard	24	$56 70
545½	Small; Without Standard	14	54 70
546	Large; With Standard	[illegible]	60 90
546½	Large; Without Standard	[illegible]	58 80

Extra Faces for Small or Large Machines.....Price on Application

One in a Box

TINNERS TOOLS
PECK, STOW & WILCOX



STOVE PIPE CRIMPERS AND BEADERS

Two Collars are Furnished to Substitute for Beading Rolls when Crimping Only is to be Done; Adapted to Metals up to 22 Gauge.

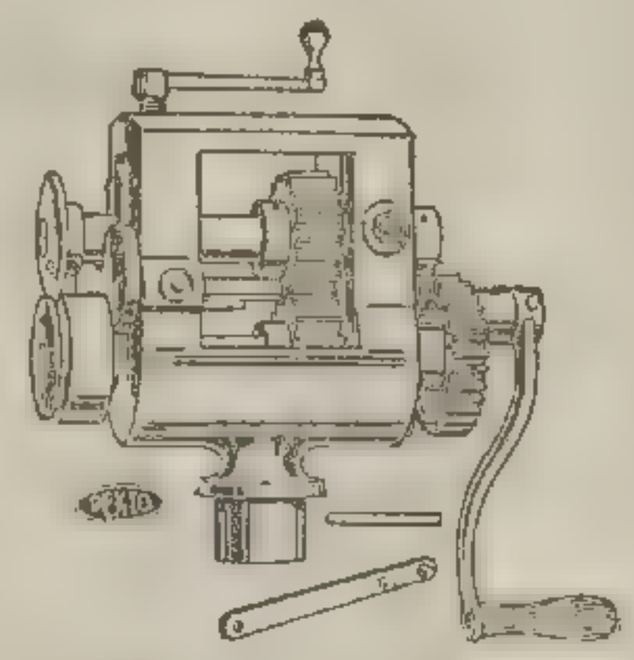
Each

No. 585A—With Standard; Spiral Rolls; Weight Each 45 lbs.....**$54.60**

†**No. 586A** With Standard; Straight Rolls; Weight Each 45 lbs.. **54 60**

†**No. 587A**—With Foot Lever; Spiral Rolls; Weight Each 55 lbs.. **75.60**

One in a Box



TURNING AND WIRING MACHINES

Complete with Standard Illustrated; Extra Heavy; Connecting Gears are Cut Steel; Capacity, 18 Gauge Iron and Lighter, and 3/16 to 5/16 inch; Wire Regularly Furnished with Turning Rolls for 3/16 inch Wire and 20 Gauge Iron

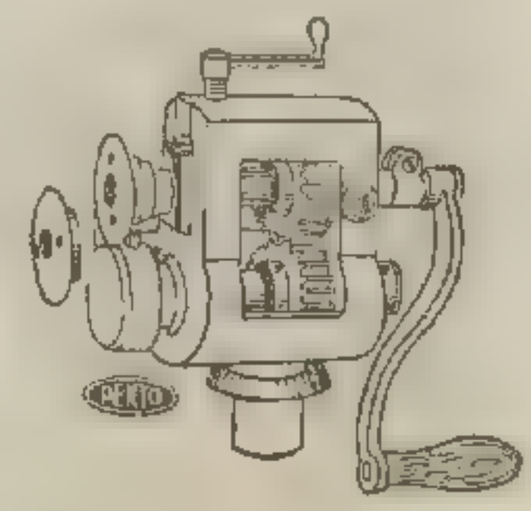
Each

†**No. 0547**—Complete with Standard; Diameter of Roll 3½ inch; Ratio of Gearing 2 to 1; Weight Each 115 lbs.....**$94.50**

One in a Box

EXTRA ATTACHMENTS

	Per Pair
†Regular Turning, Wiring and Burring Rolls.....	$14 70
†Elbow Edging Rolls.....	14.70
	Each
†Extra Regular Gauges.....	$ 6.30
†Apron Gauges for Elbows, Edging Rolls.....	16.80
†Foot Treadle Attachment in Place of Crank Screw.....	31.50
†Circular Flang in Attachment.....	84 00



BURRING MACHINES

Used for Turning Up Edges, on Vessels, after which they are Finished on the Setting Down Machine.

STOW'S COLUMBIAN

Lid Frame, Face Pass Over Seams, Without Straining.

Complete With Extra Upper Face

Nos.	Style	Weight Each, lbs.	Each
576	Small; With Standard	21	$35.70
576½	Small; Without Standard	11	33.60
577	Large; With Standard	26	40.00
577½	Large; Without Standard	16	37 80

Upper Faces; for Large and Small Machines; Weight Each 2 ozs...Price on Application

Lower Faces; for Large and Small Machines; Weight Each 3 ozs...Price on Application

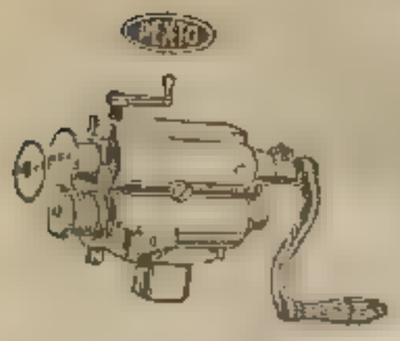
One in a Box

Items Marked † Not Carried in Stock, Can Only be Furnished by Shipping Direct from Factory

TINNERS TOOLS

PECK, STOW & WILCOX

BURRING MACHINES



STOW'S ENCASED

Adjustalle Boxes and Interchangeable Parts; Gearings are Fully Protected.

Complete with Extra Upper Face

Nos.	Style	Weight Each, lbs.	Each
579	Small; With Standard	20	$50.40
579½	Small, Without Standard	10	48 30
580	Large; With Standard	24	54 60
580½	Large; Without Standard	14	52 50

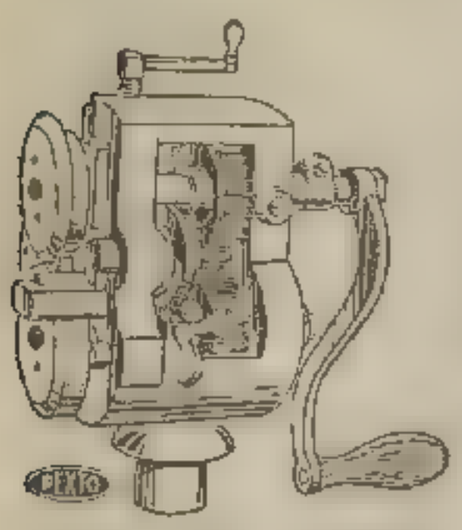
Upper Faces; for Large and Small Machines; Weight Each 2 ozs . . **Price on Application**

Lower Faces; for Large and Small Machines, Weight Each 3 ozs. . **Price on Application**

One in a Box

WIRING MACHINES

Used for Rolling the Sheet Metal Tightly Around the Wire After Its Seat Has Been Prepared by the Turning Machine; Adapted to Metals Up to 24 Gauge.



STOW'S COLUMBIAN

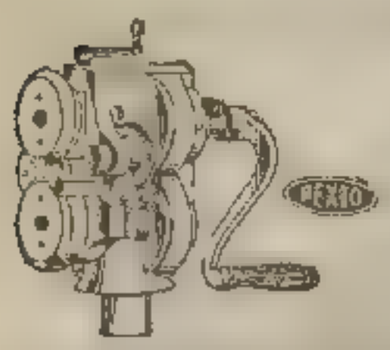
Solid Frame, Interchangeable Parts; Faces Pass Over Seams without Straining.

Forming Roll Gauge "Pro" Not Furnished Unless Specified.

		Each
No. 525	A—Machine, With Standard; Weight Each 33 lbs.....	$48.30
No. 525½A	Machine, Without Standard Weight Each 23 lbs....	46 20

†Upper or Lower Roll With Arbor; Weight Each 2 lbs.....**Price on Application**

One in a Box



STOW'S ENCASED

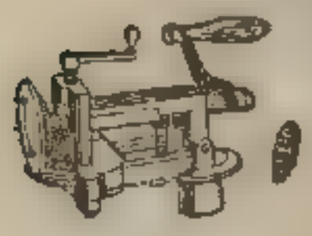
Adjustable Boxes and Interchangeable Parts; Gearings are Fully Protected.

Forming Roll Gauge "Pro" Not Furnished Unless Specified.

		Each
No. 526	Machine, With Standard, Weight Each 30 lbs.....	$63 00
No. 526½	—Machine, Without Standard; Weight Each 20 lbs.....	60.90

†Upper or Lower Roll With Arbor; Weight Each 2 lbs..... **Price on Application**

One in a Box



SETTING DOWN MACHINES STOW'S COLUMBIAN

Used to Fasten the Bottoms on Vessels After the Edges have Been Turned on the Burring Machine.

	Each
†No. 556—With Standard; Weight Each 22 lbs.....	$50.40

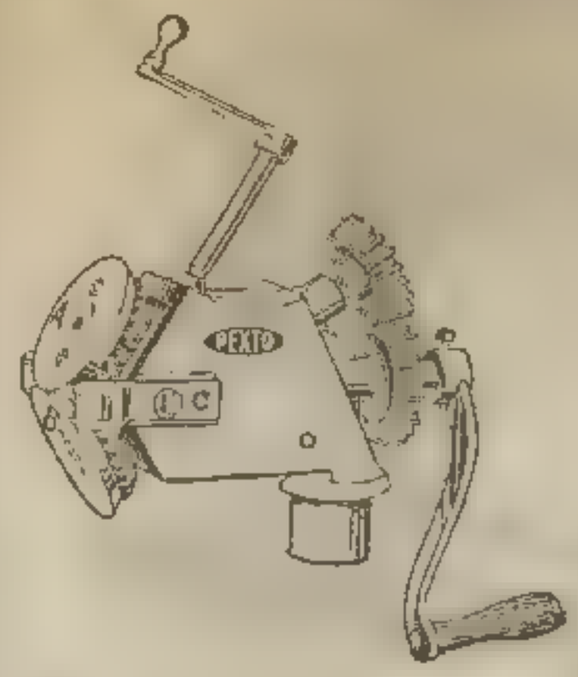
One in a Box

EXTRA PARTS

	Each
†Upper Rolls	Prices on Application
†Lower Rolls	
†Lower Journal Plates	

TINNERS TOOLS

PECK, STOW & WILCOX



SETTING DOWN MACHINES IMPROVED

For No. 18 Iron and Lighter

	Each
No. 562—Setting Down Machine with Standard; Weight Each 100 lbs....	$58.80

One in a Box

MACHINE STANDARDS

For Small Machines

	Each
No. 975—Small Plain; for All Except Wiring Machines; Weight Each 11 lbs.....	$3.70

Loose

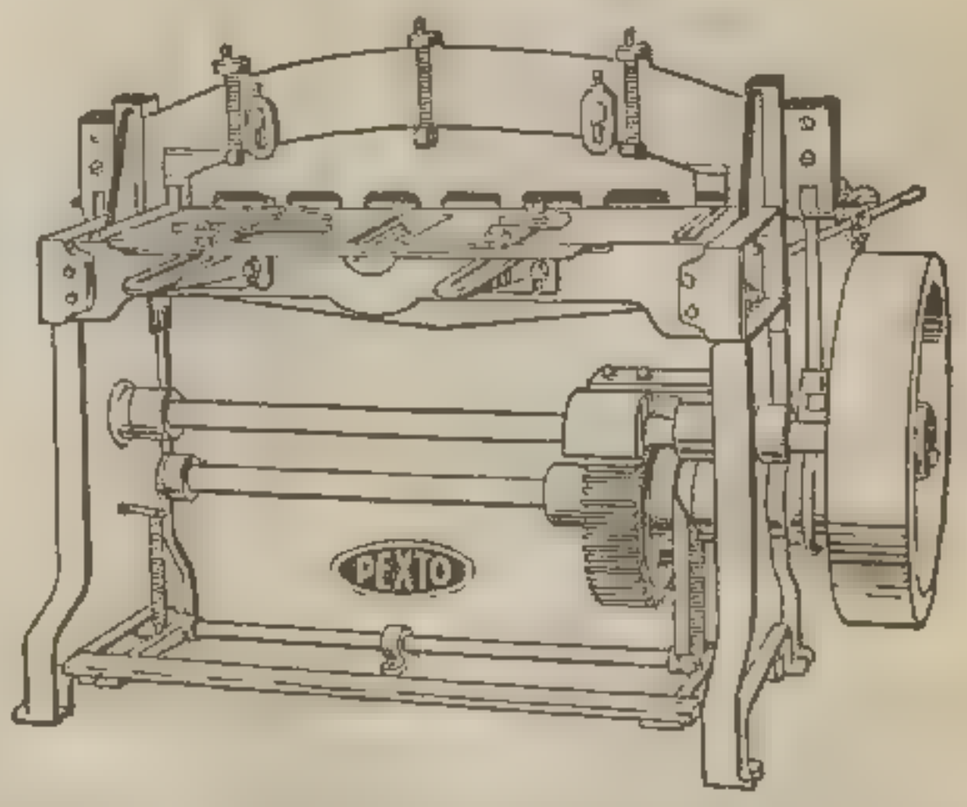
MACHINE STANDARDS

For Wiring Machines

	Each
No. 976—With Horn; for Wiring Machines; Weight Each 11½ lbs.....	$3 70

Loose

SQUARING SHEARS



Capacity 14 Gauge Iron and Lighter; Furnished Complete with Hold-down Attachments; One Pair Each, 25¼ inch, and 12½ inch Front Arms; and Complete Gauge Equipment.

	Each
†No. 223—Length Cutting Blades 53½ inches; Length Rear Gauge 30 inches; Width Bed Plate 12½ inches; Fly Wheel Six 24x4½ inches; Weight 225 lbs.; Speed 240 R. P. M., Ratio of Gearing 4 to 1; Weight of Shear Complete 1,815 lbs	$900.00

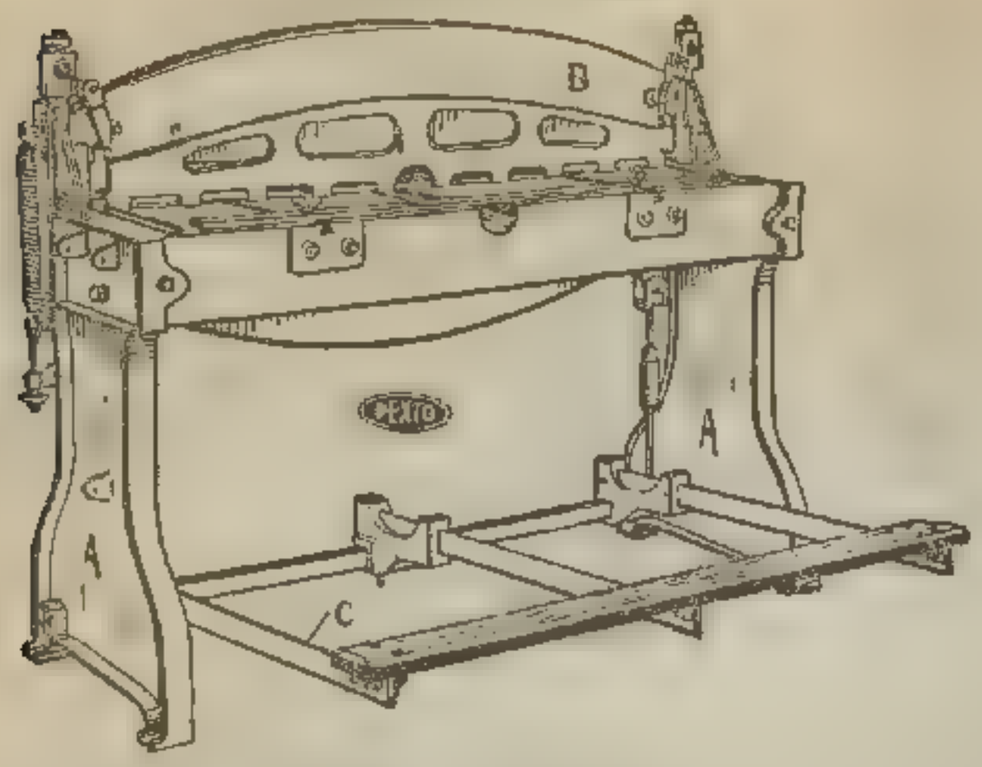
Regularly Shipped on Skids; If Wanted Crated or Boxed, Cost of Such Packing will be Added to Invoice.

Items Marked † Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE

TINNERS TOOLS

SQUARING SHEARS

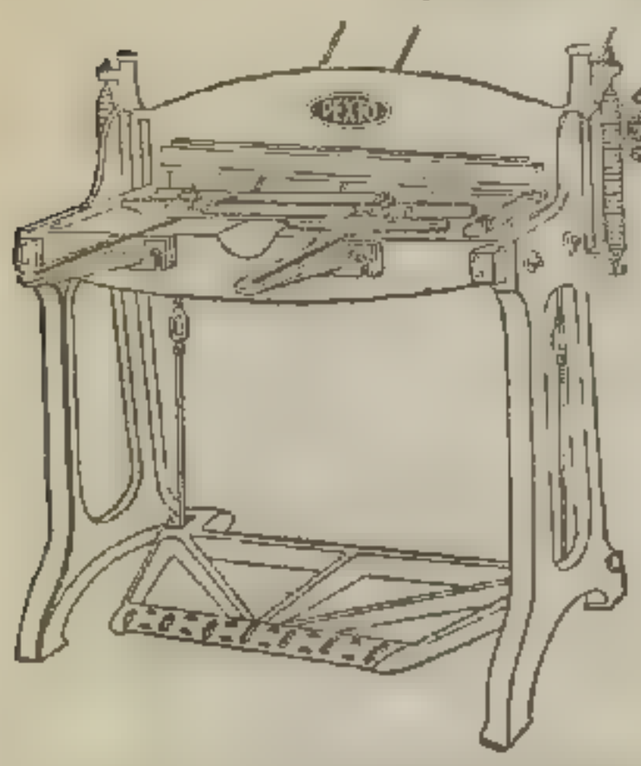


No. 16 Gauge is as Heavy as we Recommend Cutting with a Foot Power Squaring Shears. Iron of Heavier Gauges Should be Cut with a Squaring Shears Arranged for Power Drive. These Heavy Patterns can be Depended Upon to Cut with a Nicety up to their Full Rated Capacity Solid Cast Iron Legs (A) a well Proportioned Gate (B) that Holds the Upper Cutting Blade, and a Steel Extension Treadle (C) are Features which Make Them Desirable for the Shop where a Heavy Foot Power Squaring Shears is Used.

Nos.	0230B	0236B	0240B	0252B
Length Cutting Blades, inches	30	36	42	52
Length Front Arms, inches	25¼	25¼	25¼	25¼
Length Rear Gauge Arms, inches	30	30	30	30
Width Bed Plate, inches	12½	12½	12½	12½
Weight Each, lbs	790	920	960	1000
Each	$286 00	362 00	440 00	572.00

Note: Shipped Crated Regularly; If Wanted Boxed an Extra Charge Will be Made Covering Boxing; Shipped from Cleveland, Ohio.

SQUARING SHEARS



Capacity; 18 Gauge Iron and Lighter Furnished Regularly with Gauge; without Side Tables.

Each

✣**No. 122B**—22 Inch Blade; 12½ Inch Arms; Complete with Top; Weight Each 375 lbs. **$168 00**

One in a Crate

✣**No. 132B**—31 Inch Blade; 19 Inch Arms; Complete with Top; Weight Each 540 lbs. **199 50**

One in a Crate

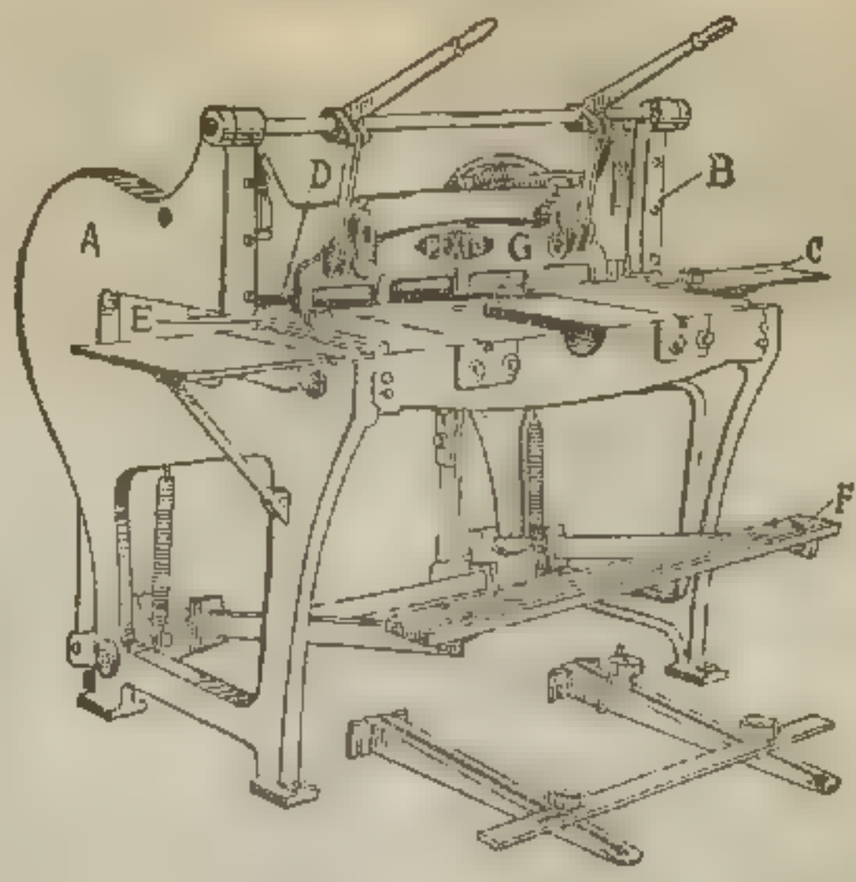
✣**No. 137B**—36½ Inch Blade; 25¼ Inch Arms; Without Top; Weight Each 650 lbs. **273.00**

Note: Shipped Crated Regularly; If Wanted Boxed an Extra Charge Will be Made Covering Boxing; Shipped from Cleveland, Ohio,

If Wanted with Side Table, add **$8.40**

TINNERS TOOLS

SQUARING SHEARS

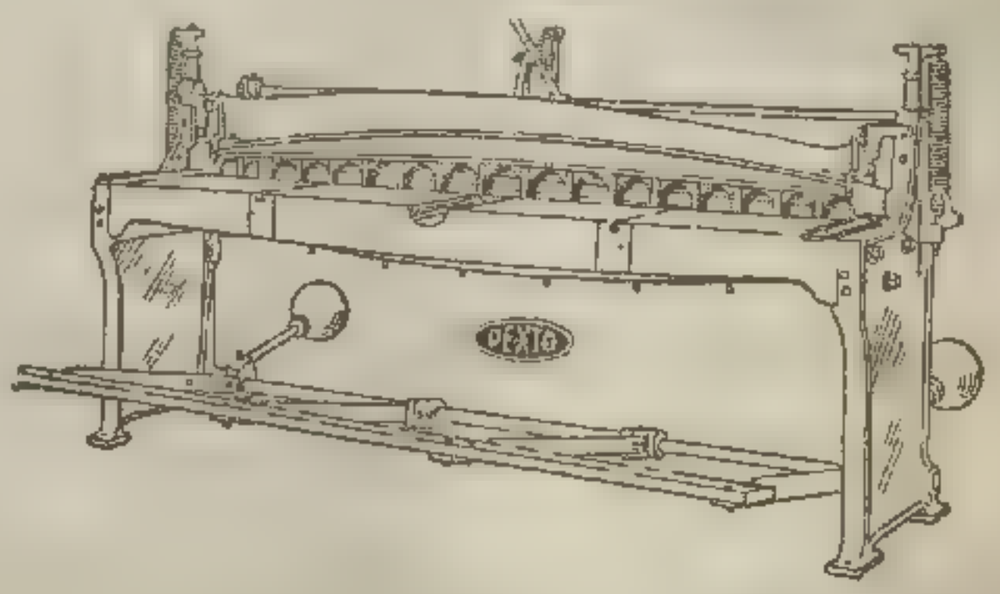


These New Patterns Embody Every Improvement for a Well-balanced, Easy-operating Shears. Housings (A) and (B) have a Gap of 18 Inches for Permitting the Cutting of Sheets from ½ inch to the Full Depth of the Gap in Housings. The Slitting Gauge (C) Facilitates the Slitting of Sheets of Longer Length than the Cutting Blades (D) and (E). The First Cut Made, the Slitting Gauge (C) Secures Proper Alignment of the Successive Cuts. The Treadle (F) is Steel and Extensible. The Lever Hold-down (G) Presses the Sheet with Security for Insuring an Accurate and Clean Cut. Used as a Regular Squaring Shears, They will Cross-cut Sheets at Any Point Desired and of Full Width, According to the Length of Shears Used.

Nos.	XC36	XC42	XC52
Length Cutting Blades, inches	36	42	52
Depth Gap in Housing, inches	18	18	18
Length Front Arms, inches	26½	26½	26½
Length Rear Gauge Arms, inches	24	24	24
Width Bed, inches	14	14	14
Weight Each, lbs	1600	1700	1900
Each	$550.00	635.00	781 00

Note: Shipped Crated Regularly; If Wanted Boxed an Extra Charge Will be Made Covering Boxing; Shipped from Cleveland, Ohio.

SQUARING SHEARS



For Cornice or Other Work, where Shears of Great Capacity are Desired; Fitted with Automatic Back Gauge, which is Operated by a Lever from Front of Shears; Will Cut 18 Gauge Iron in Strips from ¾ to 20 inches in width.

Each

✣**No. 181**—97 inch Blade; Front Arms 22 inches; Rear Gauge Arms 25 inches; Rear Gauge 94 inches in Length; Bed Plate 18 inches in Width; Weight Each 2,900 lbs. **$1045.00**

Note: Shipped Crated Regularly; If Wanted Boxed an Extra Charge Will be Made Covering Boxing; Shipped from Cleveland, Ohio,

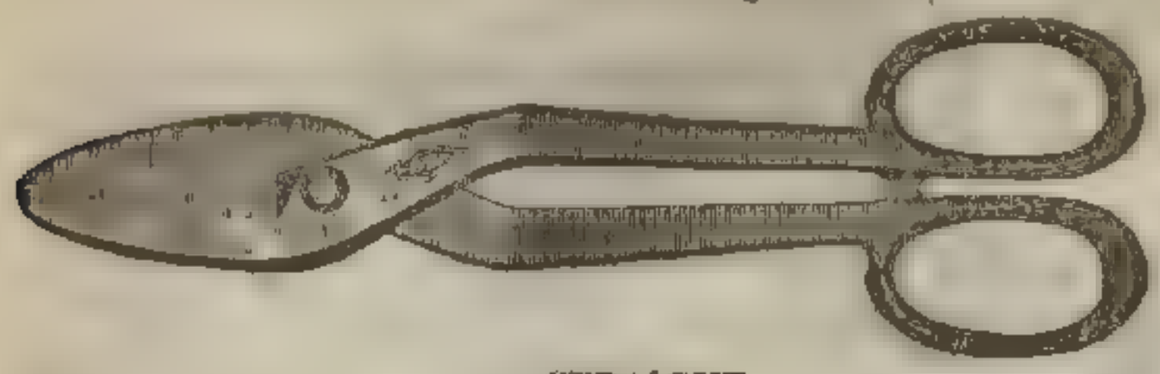
Items Marked ✣ Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory

TINNERS SNIPS

★DIAMOND EDGE

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE

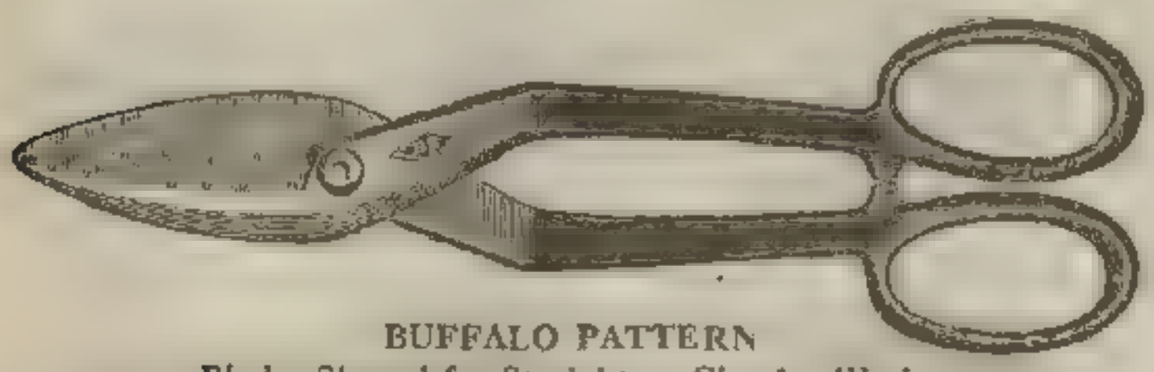
Blades Made of 100 Point Carbon Steel, Carefully Tempered and Welded to the Inside of the Blade; Handles Made of 25 Point Carbon Steel; Oxidized Non-Rusting; Handles will not Bend in Use; Work Easy and Open Full Width of Cut without Straining the Hand.



STRAIGHT

Nos.	DE32	DE31	DE10	DE9	DE8	DE7
Cut, inches	2	2¼	2½	3	3½	4
Length, inches	8½	10	11¼	12¼	13	14¼
Weight per Pair, lbs.	1½	1¾	1⅞	2¼	2¾	3½
Per Pair	$1.70	2 00	2 60	2 90	3 40	4 30

One Pair in an Envelope, Two Pair in a Wood Box

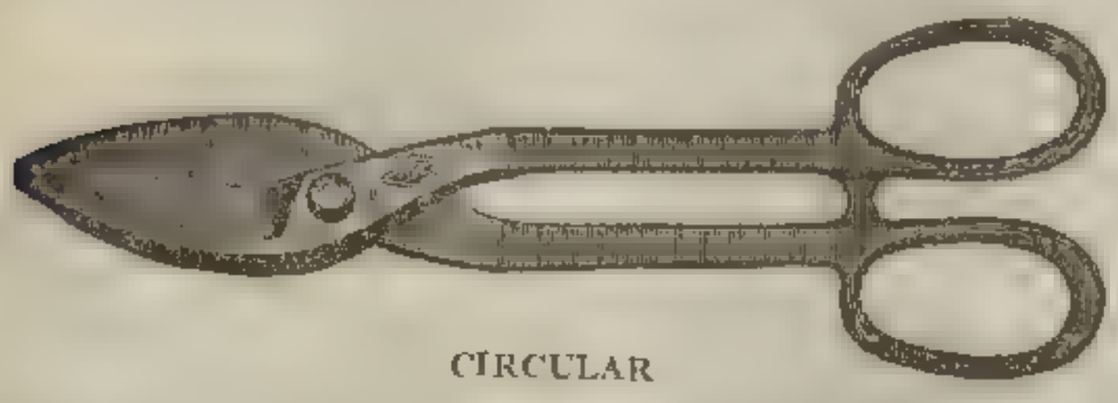


BUFFALO PATTERN

Blades Shaped for Straight or Circular Work

Nos.	DE20	DE19	DE18	DE17
Cut inches	2⅛	3	3½	4
Length, inches	11¼	12¼	13	14¼
Weight per Pair, lbs.	1⅛	2¼	2¾	3⅛
Per Pair	$3.40	3 80	4 20	5 00

One Pair in an Envelope; Two Pair in a Wood Box

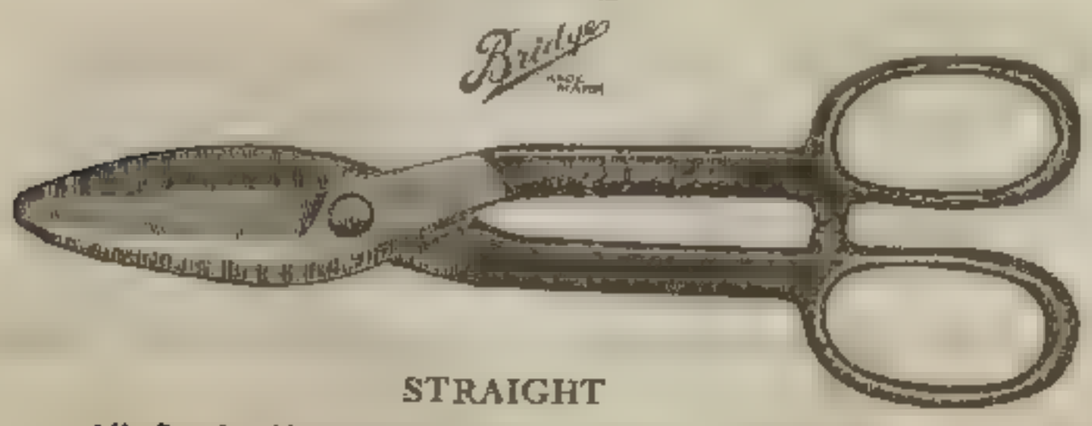


CIRCULAR

Nos.	DE119	DE118	DE117
Cut, inches	3	3⅛	4
Length, inches	12¼	13	14¼
Weight per Pair, lbs.	2¼	2¾	3½
Per Pair	$4.60	5.00	5.80

One Pair in an Envelope; Two Pair in a Wood Box

★BRIDGE



STRAIGHT

All Steel; Tempered Blades; Black Japanned Handles

Per Pair

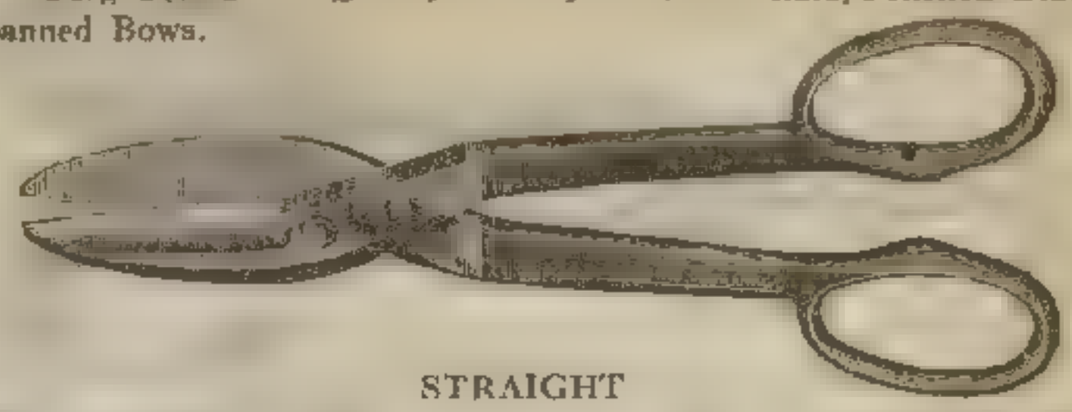
No. B8½—3¼ inch Cut; Length 13 inches; Weight per Pair 1¼ lbs. $2.20

One Pair in an Envelope; Two Pair in a Box

TINNERS SNIPS

PECK STOW & WILCOX

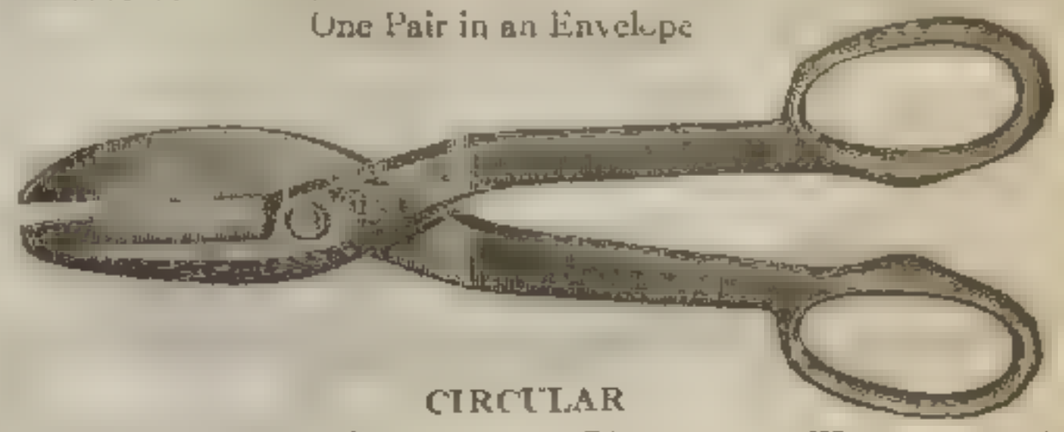
Forged from Best Quality Norway Iron, Steel Laid, Polished Blade, Japanned Bows.



STRAIGHT

Nos.	10	9	8	7	6½
Cut, Inches	2½	3	3½	4	4¼
Length, Inches	11	12	13½	14¼	15⅝
Weight per Pair, lbs.	1	1½	2	2¼	3¼
Per Pair	$3 55	3.90	4 45	5 55	6.70

One Pair in an Envelope

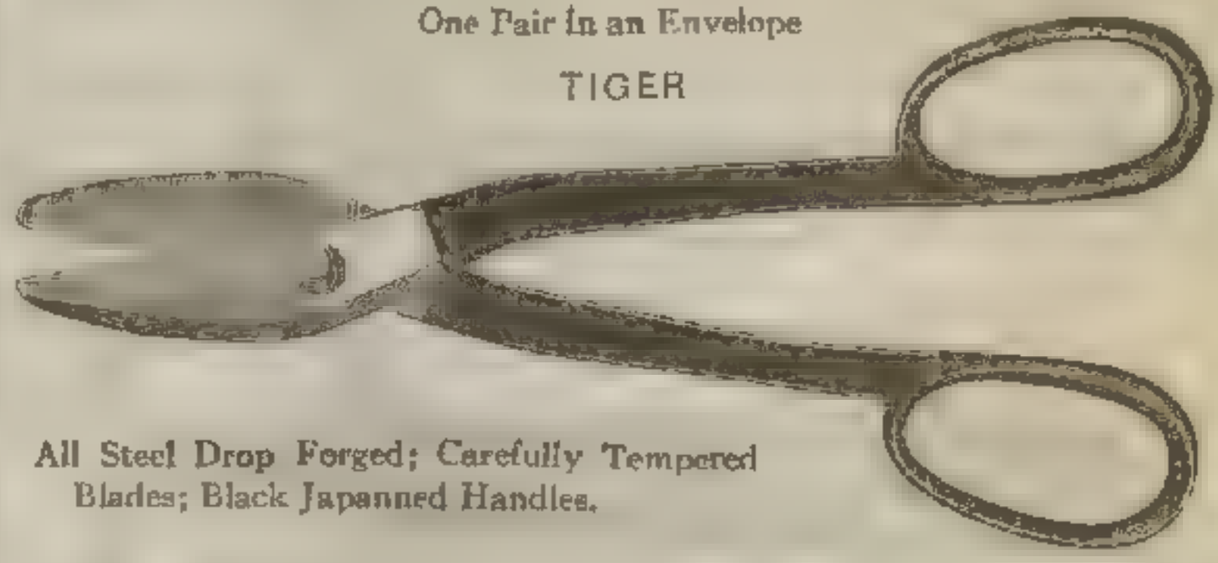


CIRCULAR

Nos.	C10	C9	C8	C7
Cut, Inches	2½	3	3½	4
Length, Inches	11	12	13½	14¼
Weight per Pair, lbs.	1	1½	2	2¼
Per Pair	$5.55	6.10	6 70	7.80

One Pair in an Envelope

TIGER



All Steel Drop Forged; Carefully Tempered Blades; Black Japanned Handles.

Per Pair

No. T12—3¼ inch Cut; Length 12 inches; Weight per Pair 1¼ lbs. $2.20

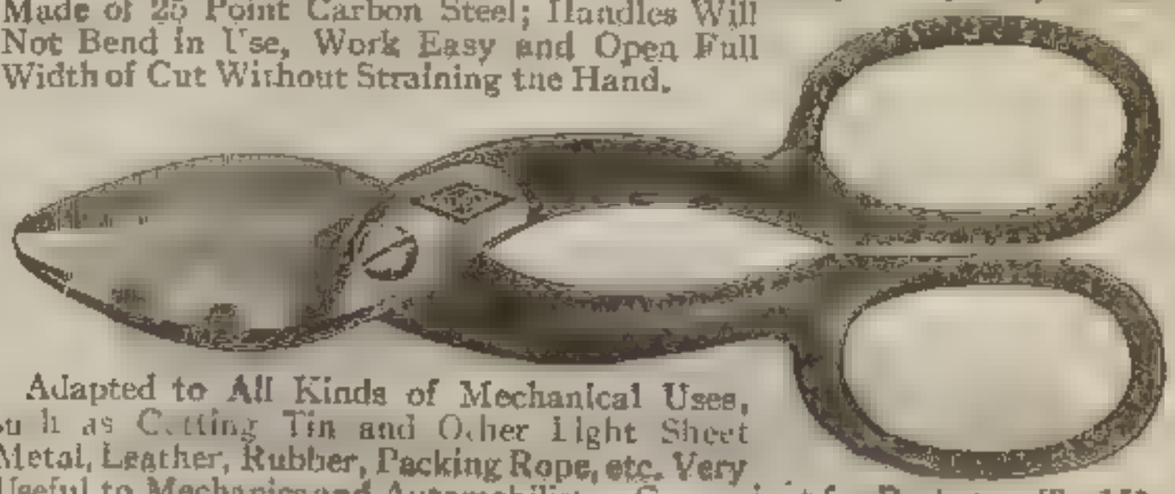
One Pair in an Envelope

SPECIAL SNIPS

★DIAMOND EDGE

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE

Blades Made of 100 Point Carbon Steel Carefully Tempered; Handle Made of 25 Point Carbon Steel; Handles Will Not Bend in Use, Work Easy and Open Full Width of Cut Without Straining the Hand.



Adapted to All Kinds of Mechanical Uses, such as Cutting Tin and Other Light Sheet Metal, Leather, Rubber, Packing Rope, etc. Very Useful to Mechanics and Automobilists. Convenient for Pocket or Tool Kit

Per Pair

No. DE35—Polished Blades; Japanned Handles; Length of Cut 2 inches, Length Over All 7 inches; Weight per Doz. 6 lbs. $2.00

Half Dozen in a Box

THE "HAND" OF SNIPS

There is Considerable Confusion Regarding the Meaning of Right and Left Hand Snips; Left Hand Means that the Work is at the Left of the Snips Cutting and the Scraps at the Right; We Show Only Snips with Left Hand Cut, as they are Invariably Used by Right Hand Men, and are Always Sent Right Hand Snips are Specially Ordered.

Standard Bench Snips, However, are always Furnished Right Hand Cut, that is the Lower Blade is on the Right Side of the Shears.

TINNERS SNIPS

PECK, STOW AND WILCOX

TROJAN

For Curves and Irregular Shapes. Will Cut Sheet Metal, Pasteboard, Mica, Linoleum, Veneering, etc. Just the Thing for Scroll and Cornice Work.

Per Pair

No. 79—3 inch Cut; Length Over All 12¾ inches; Forged Steel: Japanned Handles; Weight per Pair 1¾ lbs..... $5.70

One Pair in a Box

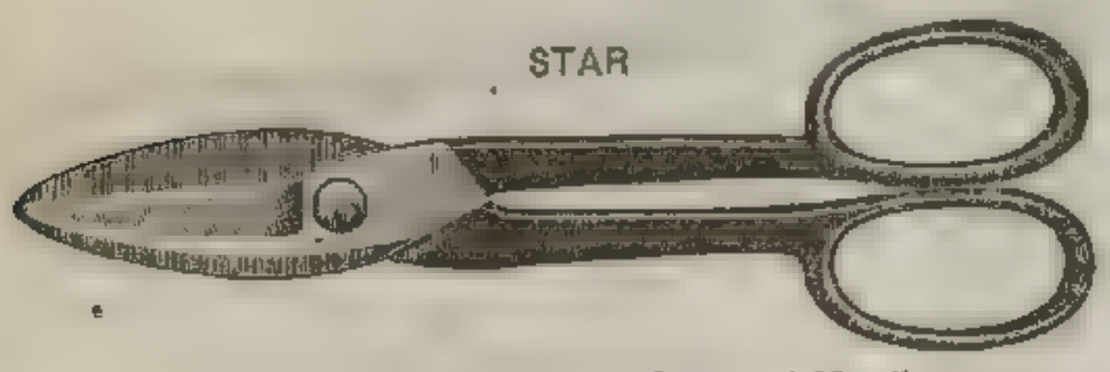
★ALLCUT

A Convenient Snip for Tool Kits. Fitted Exactly Like a Regular Shear. Will Cut Paper, Poultry Netting Tin, Sheet Metals and Heavy Fabrics Equally Well. Adapted to Use of Tinners, Plumbers, Electricians and Home Mechanics.

Per Dozen Pair

No. 222—2¾ inch Cut; Length Over All 10¼ inches; Steel Laid Blades; Highly Finished; Malleable Iron Handles; Black Japanned; Weight per Pair 1 lb..... $25 00

One Pair in a Box



STAR

Cast Iron, Ground Blades; Japanned Handles

Per Dozen Pair

No. 2—2½ inch Cut; Length Over All 10 inches; Weight per Dozen Pair 13 lbs..... $11.50

No. 3—3 inch Cut; Length Over All 12 inches; Weight per Dozen Pair 17 lbs..... 13.50

Half Dozen Pair in a Box

STOVE PIPE SNIPS

BERRIDGE

For Cutting and Crimping Stove Pipe; Adapted for Round or Circular Work.

Each

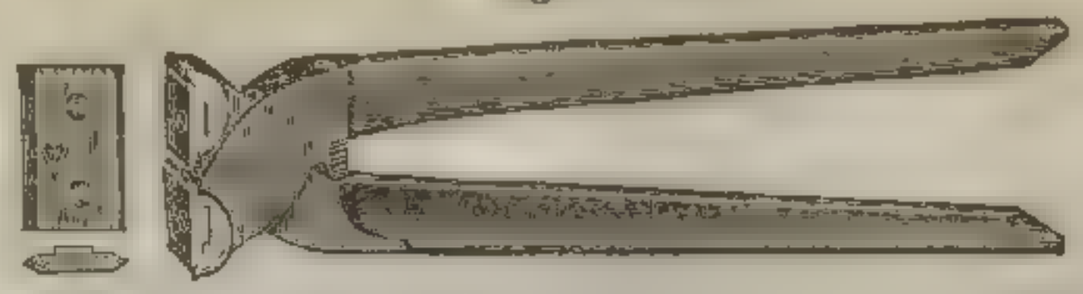
No. 2B—2 inch Cast Steel Blade; Japanned Iron Handles; Length Over All 13 inches; Weight Each 2¾ lbs..... $6 20

Loose

TINNERS TOOLS

★*DIAMOND EDGE*

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE.



NIPPERS

Reversible

A Powerful Tool for Cutting Nails, Wire, Music Wire, etc. Will Stand Hard Usage; Tool Steel Jaws are Dovetailed into Head and are Reversible; Dead Black Forge Finish Handles and Head; Polished Steel Cutter.

Nos.	DE6	DE8	DE10	DE12	DE14
Length, inches	6	8	10	12	14
Weight per Dozen, lbs.	9	12	24	30	47
Each	$2.70	3.30	3.80	4.00	4.70

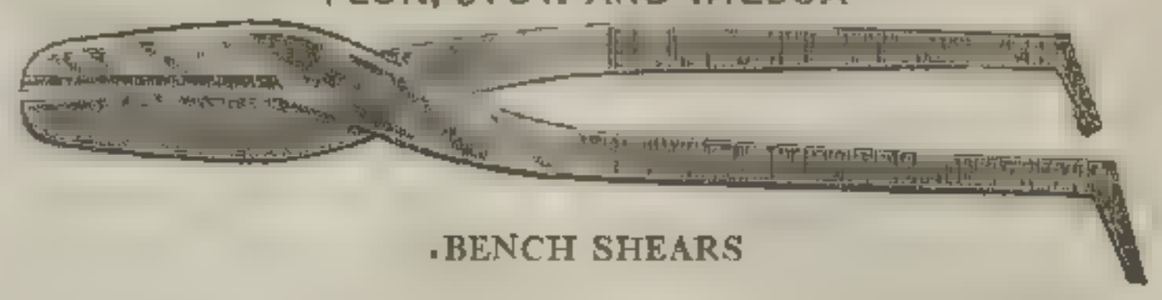
Two in a Box

EXTRA CUTTERS

Nos.	DEX6	DEX8	DEX10	DEX12	DEX14
For Nippers No.	DE6	DE8	DE10	DE12	DE14
Weight per Pair, ounces	2	2½	3	4	5
Per Pair	$0 80	1 10	1 40	1.50	2.00

Loose

PECK, STOW AND WILCOX



BENCH SHEARS

Always Furnished Right Hand Cut, that is, the Lower Blade on is on the Right Side of Shears.

Nos.	6	5	4
Length Cut, inches	6	7	8
Entire Length, inches	25	27	30
Will Cut Iron, Gauge Nos.	22	21	20
Weight per Pair, lbs.	8	9	12
Per Pair	$15.75	18 80	19 95

Nos.	2	1	0	00
Length Cut, inches	8⅝	9	10½	12
Entire Length, inches	34	37	41	44
Will Cut Iron, Gauge Nos.	22	20	18	16
Weight per Pair, lbs.	18	23	28	[illegible]
Per Pair	$24.35	26.90	38.55	42.15

Loose

ELBOW BENCH SHEARS

Per Pair

✣ **No. 31**—4 inch Cut; will Cut No. 18 Iron; Weight per Pair 25 lbs. $17.95

✣ **No. 32—Extra Heavy**; 6 inch Cut; will Cut No. 14 Iron; Weight per Pair 25 lbs..... 33.70

✣ **No. 33—Double Extra Heavy**; 7½ inch Cut; will Cut No. 12 Iron; Weight per Pair 47 lbs..... 47.35

Loose

TINNERS SHEARS WILL NOT CUT CUSTARD PIE, BUT THEY ARE MIGHTY USEFUL AND HANDY WHEN IT COMES TO CUTTING STRIP STEEL AND THE LIKE.

Items Marked ✣ Not Carried in Stock; Can Only Be Furnished by Shipping Direct From Factory.

HOLLOW HANDLES AND TOOLS

★DIAMOND EDGE

TRADE MARK REGISTERED IN THE U. S. PAT OFFICE.

Highly Polished Cocobolo Wood Handle, with Screw Cap; Nickel Plated Knurled Steel Chuck; Positive Grip Forged Steel, Hardened Jaws

Set Contains 10 High Grade Crucible Steel Tools, Carefully Tempered, Ground and Polished; 1 Utility Saw, 1 Scratch Awl, 1 Reamer, 1 Gimlet, 1 Gouge, 1 Square File, 1 Brad Awl, 2 Screw Drivers and 1 Chisel.

Per Dozen

No. DE25—7¼ inch Handle; 3¾ inch Tools; Weight per Dozen 11 lbs. $15.00

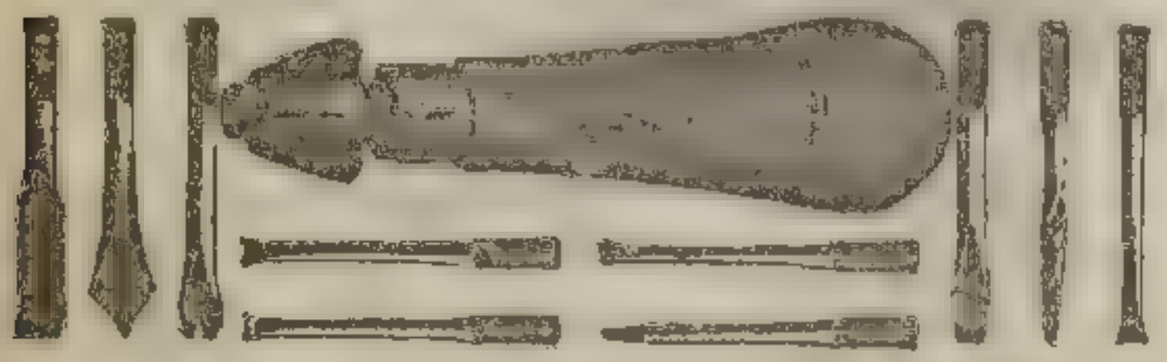
No. DE50—6¼ inch Handle; 2½ inch Tools; Weight per Dozen 7½ lbs. 36.00

Twelfth Dozen in a Box

*BRIDGE

Bridge

Polished Hardwood Handle, with Screw Cap; Polished Thumb Nut and Ferrule; Hardened Steel Jaws; Set Contains 10 High Grade Crucible Steel Tools, Oil Tempered and Carefully Ground, 2½ inches Long; 1 Chisel, 1 Countersink, 1 Tack Puller, 1 Screw Driver, 1 Gimlet 4 Brad Awls and 1 Scratch Awl.

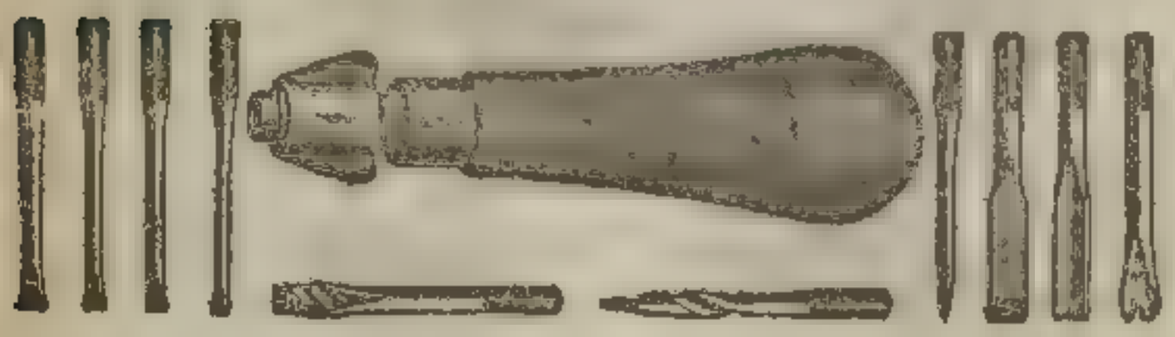


Per Dozen

No. B45—6 inch Polished Cocobolo Handle; Polished Tools; Weight per Dozen 4½ lbs. $19.30

No. B75—6¼ inch Highly Polished Mahogany Finished Hardwood Handle, with Screw Cap; Polished Thumb Nut and Ferrule; Hardened Steel Jaws; Set Contains 9 High Grade Crucible Steel Tools, Hardened and well Tempered, 4 in. Long; 2 Screw Drivers, 1 Gimlet, 1 Scratch Awl, 1 Chisel, 1 Brad Awl, 1 File, 1 Countersink, 1 Saw; Weight per Dozen 4½ lbs. 25.00

Half Dozen in a Box



Per Dozen

No. 440—4½ inch Varnished Hardwood Handle with Screw Cap; Nickel Plated Thumb Nut and Ferrule; Cast Steel Jaws, Contains 10 High Grade Steel Tools, Oil Tempered and Polished; all Tools 2½ inches Long; 1 Chisel, 1 Countersink, 1 Screw Driver, 1 Tack Puller, 1 Gimlet, 1 Scratch Awl and 4 Brad Awls; Weight per Dozen 4¼ lbs. $10.00

Half Dozen in a Box

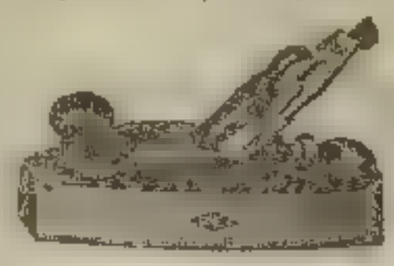
WOOD BOTTOM PLANES

ADJUSTABLE

★DIAMOND EDGE

TRADE MARK REGISTERED IN THE U. S. PAT OFFICE

Selected Clear Beechwood Bottom, Handle and Knob; Perfectly Smooth and True Face; Polished Sides; Black Enameled Cast Iron Frame; Full Polished Cap and Cutter; Highest Grade English Tool Steel; Thin Bit Cutters; Oil Tempered, Ground and Hand Sharpened; Screw and Lever Adjustment; Brass Screw.



SMOOTH

Each

No. DE22—8 inches Long; 1¾ inch Cut; Weight Each 2½ lbs. $4.50

No. DE24—9 inches Long; 2 inch Cut; Weight Each 2⅞ lbs. 4.60

One in a Box

HANDLED; SMOOTH

Each

No. DE35—9 inches Long; 2 inch Cut; Weight Each 3¼ lbs. $5.40

No. DE36—10 inches Long; 2⅜ inch Cut; Weight Each 4⅛ lbs. 6.00

One in a Box

JACK

Each

No. DE26—15 inches Long; 2 inch Cut; Weight Each 3¾ lbs. $4.80

No. DE27½—15 inches; Long; 2¼ inch cut; Weight Each 5¼ lbs. 5.50

FORE

No. DE28—18 inches Long; 2⅜ inch Cut; Weight Each 5½ lbs... $6.10

JOINTER

No. DE31—24 inches Long; 2⅜ inch Cut; Weight Each 5⅞ lbs... 6.50

No. DE32—26 inches Long; 2⅝ inch Cut; Weight Each 7 lbs.... 7.20

One in a Box

*BRIDGE

Bridge

Selected Beech Bottoms, Handle and Knob Japanned Cast Iron Top

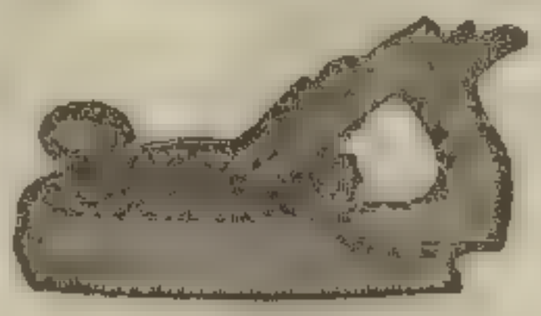
SMOOTH

Each

No. BX22—8 inches Long; 1¾-inch Cut; Weight Each 3 lbs. $4.50

No. BX24—9 inches Long; 2-inch Cut; Weight Each 3¼ lbs. 5.00

One in a Box



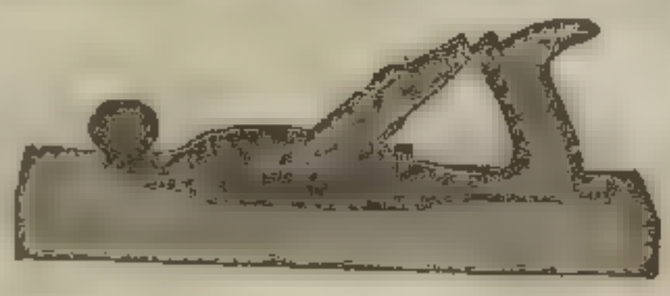
HANDLED; SMOOTH

Each

No. BX35—9 inches Long; 2-inch Cut; Weight Each 3½ lbs $5.70

No. BX36—10 inches Long; 2⅝-inch Cut; Weight Each 4¼ lbs. 6.50

One in a Box



JACK

Each

No. BX26—15 inches Long; 2inch Cut; Weight Each 4¾ lbs. $5.20

No. BX27½—15 inches Long; 2¼ inch Cut; Weight Each 4¾ lbs 6.00

FORE

No. BX28—18 inches Long; 2⅜-inch Cut; Weight Each 6¼ lbs... 6.40

JOINTER

No. BX32—26 inches Long; 2⅝ inch Cut; Weight Each 8¼ lbs... 7.50

One in a Box

IRON BENCH PLANES

*DIAMOND EDGE

ADJUSTABLE

Black Enameled Cast Iron Frames; Face of Bottom and Sides Ground True and Smooth; Composition Rubber Handle; Ebonized Wood Knob; Full Polished Cap and Cutters; Highest Grade English Tool Steel, Thin Bit Cutters Oil Tempered, Ground and Hand Sharpened. Screw and Lever Adjustment; Brass Screw.

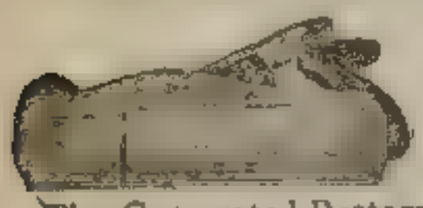
SMOOTH, PLAIN BOTTOM

*DIAMOND EDGE

TRADE MARK REGISTERED — IN THE U. S. PAT. OFFICE

	Each
No. DE3—8 inches Long; 1¾ inch Cut; Weight 8¼ Lbs.....	$5.20
No. DE4—9 inches Long; 2 inch Cut; Weight 3¾ Lbs.....	5.70
No. DE4½—10 inches Long; 2⅜ inch Cut; Weight 5¼ Lbs.....	6.50

One in a Box



SMOOTH, CORRUGATED BOTTOM

*DIAMOND EDGE

TRADE MARK REGISTERED — IN THE U. S. PAT. OFFICE

The Corrugated Bottom Lessens Friction and Makes an Easier Running Tool Than the Smooth Bottom Plane.

	Each
No. DEC3—8 inches Long; 1¾ inch Cut; Weight 8¼ Lbs.....	$5.50
No. DEC4—9 inches Long; 2 inch Cut; Weight 3⅝ Lbs.....	6.00
No. DEC4½—10 inches Long; 2⅜ inch Cut; Weight 5⅛ Lbs.....	6.80

One in a Box

PLAIN BOTTOM

*DIAMOND EDGE

TRADE MARK REGISTERED — IN THE U. S. PAT. OFFICE

JACK

	Each
No. DE5—14 inches Long; 2 inch Cut; Weight 4⅞ Lbs.....	$6 50
No. DE5½—15 inches Long; 2¼ inch Cut; Weight 6¼ Lbs.....	7.30

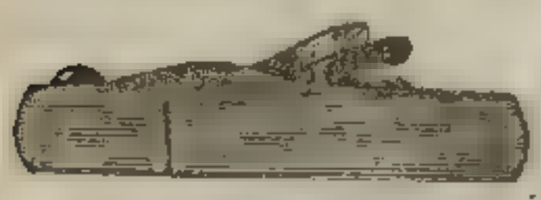
FORE

	Each
No. DE6—18 inches Long; 2⅜ inch Cut; Weight 7¼ Lbs.....	8.50

JOINTER

	Each
No. DE7—22 inches Long; 2⅜ inch Cut; Weight 7⅞ Lbs.....	9.70
No. DE8—24 inches Long; 2⅜ inch Cut; Weight 9¾ Lbs.....	11.50

One in a Box



CORRUGATED BOTTOM

*DIAMOND EDGE

TRADE MARK REGISTERED — IN THE U. S. PAT. OFFICE

The Corrugated Bottom Lessens Friction and Makes an Easier Running Tool than the Smooth Bottom.

JACK

	Each
No. DEC5—14 inches Long; 2 inch Cut; Weight 4⅞ Lbs.....	$6 50
No. DEC5½—15 inches Long; 2¼ inch Cut; Weight 6¼ Lbs...	7.30

FORE

	Each
No. DEC6—18 inches Long; 2⅜ inch Cut; Weight 7¼ Lbs.....	8.30

JOINTER

	Each
No. DEC7—22 inches Long; 2⅜ inch Cut; Weight 7⅞ Lbs.....	10 00
No. DEC8—24 inches Long; 2⅜ inch Cut; Weight 9¾ Lbs.....	12.00

One in a Box

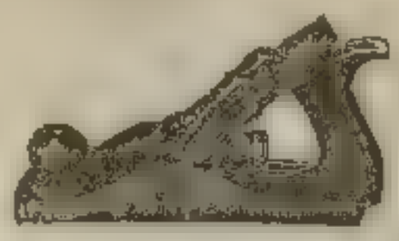
IRON BENCH PLANES

*BRIDGE

ADJUSTABLE

Best Quality CastIron Parts; Ground Face and Sides; Japanned Inside; Varnished Hardwood Handle and Knob; Brass Adjusting Screw Lateral and Longitudinal Adjustments.

The Cutter is of the Finest Tool Steel; Works Equally Well in Hard and Soft Wood.

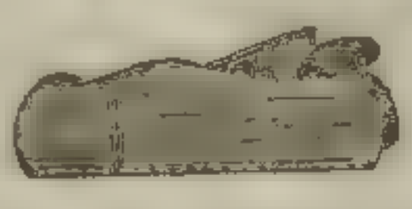


SMOOTH, PLAIN BOTTOM

Bridge

	Each
No. BX2—7 inches Long; 1⅝ inch Cut; Weight 2½ Lbs.....	$5 00
No. BX3—8 inches Long; 1¾ inch Cut; Weight 3¼ Lbs.....	5.20
No. BX4—9 inches Long; 2 inch Cut; Weight 3¾ Lbs.....	5.60

One in a Box



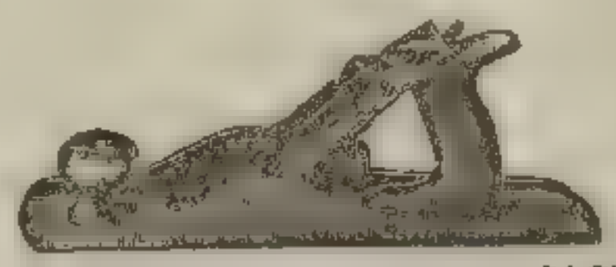
SMOOTH, CORRUGATED BOTTOM

Bridge

The Corrugated Bottom Lessens Friction and Makes an Easier Running Tool Than the Smooth Bottom Plane.

	Each
No. BX3C—8 inches Long; 1¾ inch Cut; Weight 3¼ Lbs.....	$5.40
No. BX4C—9 inches Long; 2 inch Cut; Weight 3¾ Lbs.....	5.90
No. BX4½C—10 inches Long; 2⅜ inch Cut; Weight 4⅝ Lbs.....	6.50

One in a Box



PLAIN BOTTOM

Bridge

JACK

	Each
No. BX5—14 inches Long; 2 inch Cut; Weight 4¾ Lbs.....	$6.50
No. BX5½—15 inches Long; 2¼ inch Cut; Weight 5½ Lbs.....	7.30

FORE

	Each
No. BX6—18 inch Long; 2⅜ inch Cut; Weight 6¾ Lbs.....	8.40

JOINTER

	Each
No. BX7—22 inches Long; 2⅜ inch Cut; Weight 8½ Lbs.....	9.60
No. BX8—24 inches Long; 2⅜ inch Cut; Weight 9 Lbs.....	11.30

One in a Box

CORRUGATED BOTTOM

Bridge

The Corrugated Bottom Lessens Friction and Makes an Easier Running Tool than the Smooth Bottom Plane.

JACK

	Each
No. BX5C—14 inches Long; 2 inch Cut; Weight 4¾ Lbs.....	$6.50
No. BX5½C—15 inches Long; 2¼ inch Cut; Weight 5½ Lbs.....	7.30

FORE

	Each
No. BX6C—18 inch Long; 2⅜ inch Cut; Weight 6½ Lbs.....	8.40

JOINTER

	Each
No. BX7C—22 inches Long; 2⅜ inch Cut; Weight 7¾ Lbs.....	10.00
No. BX8C—24 inches Long; 2⅜ inch Cut; Weight 9 Lbs	12 00

One in a Box

IRON BLOCK PLANES

★DIAMOND EDGE

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE

Refined Cast Iron Frame and Cap; Highest Grade English Tool Steel Thin Bit Cutter; Oil Tempered, Ground and Hand Sharpened.

REGULAR

Japanned Top, Cap and Trimmings; Polished Face and Sides; Brass Adjusting Nuts. Adjustable Throat which can be Quickly Opened or Closed for Fine or Coarse Work, by a Movement of the Cam Lever at Nose. Each

No. DE9½—6 ins. Long; 1⅝ in. Cut; Weight Each 1⅝ lbs.....**$2.90**

No. DE15—7 inches Long; 1⅝ in. Cut; Weight Each 1¾ lbs..... **3.10**
One in a Box

KNUCKLE JOINT

Japanned Top; Polished Face and Sides; Nickel Plated Brass Adjusting Nuts. Adjustable Throat which Can be Quickly Opened or Closed for Fine or Coarse Work, by a Movement of the Cam Lever at Nose. Each

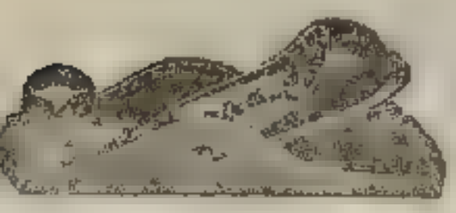
No. DEX18—6¼ inches Long; 1⅝ inch Cut; Weight Each 1⅝ lbs..**$3.90**
One in a Box

LOW ANGLE

Japanned Top; Polished Face and Sides; Nickel Plated Cap and Nutse Adjustable Throat which Can be Quickly Opened or Closed for Fine or Coarse Work, by a Movement of the Cam Lever at Nose. Each

No. DEX60½—6 inches Long; 1⅝ in .Cut; Weight Each 1¼ lbs... **$3 10**

No. DEX65½—7 inches Long; 1⅝ in. Cut; Weight Each 1⅝ lbs . **3.30**
One in a Box



REGULAR; WOOD KNOB; ADJUSTABLE

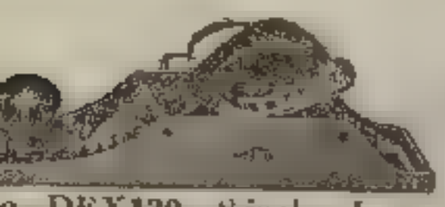
Japanned Top and Caps; Polished Face and Sides; Beechwood Knobs. Adjustable Throat which can be Quickly Opened or Closed for Fine or Coarse Work, by a Movement of the Cam Lever at Nose. Each

No. DEX220—6¼ inches Long; 1⅝ inch Cut; Weight Each 1⅝ lb.**$2.20**
One in a Box

NON-ADJUSTABLE

Japanned Top and Cap; Polished Face and Sides; Beechwood Knob. Each

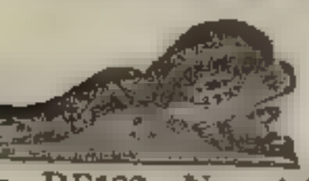
No. DE110—7½ inches Long; 1⅝ inch Cut; Weight Each 1¼ lbs..**$1.50**
One in a Box



DOUBLE END NON-ADJUSTABLE

Japanned Top and Cap; Polished Face and Sides; Beechwood Knob. With Two Slots and Reversible Cutter Seat. Each

No. DEX130—8 inches Long; 1⅝ inch Cut; Weight Each 1¾ lbs....**$2.20**
One in a Box



Japanned Top and Cap; Polished Face and Sides. 5½ inches Long; 1¼ inch Cut. Each

No. DE102—Non-Adjustable; Weight Each ¾ lb..... **$1 10**

No. DE103—Adjustable; Weight Each ¾ lb..... **1 50**
One in a Box

With Handle

Japanned Top, Cap and Handle; Ground Face; Not Adjustable. Each

No. DE100—3½ inches Long; 1 inch Cut; Weight Each ½ lb.....**$0.75**
One in a Box.

Without Handle

Japanned Top, Sides and Cap; Ground Face; Not Adjustable. Each

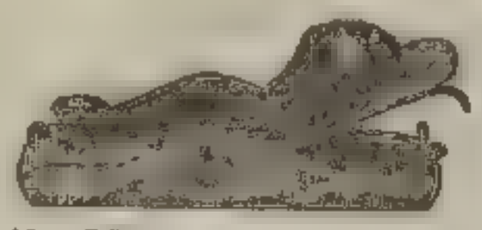
No. DE101—3½ inches Long; 1 inch Cut; Weight Each ⅜ lb.....**$0.60**
One in a Box

ADJUSTABLE IRON BLOCK PLANES

★BRIDGE

Bridge

Best Quality Cast Iron Body and Cap; Tool Steel Cutters, Tempered, Ground and Polished. Machined and Polished Cast Iron Face and Sides; Ground Face and Sides.



Japanned Top and Cap; Polished Bottom and Sides; Brass Adjusting Nut; Adjustable Throat which Can be Quickly Opened or Closed for Course or Fine Work; Sides are Depressed to Give Firm and Longitudinal Adjustment. Each

No. BX9½—6 inches Long; 1¾ inch Cut; Weight Each 1¼ lbs ...**$3.00**
One in a Box

WITH KNOB HANDLE

Japanned Top and Cap, Polished Bottom and Sides, Brass Adjusting Nut; Adjustable Throat which Can be Quickly Opened or Closed for Coarse or Fine Work, Sides are Depressed to Give Firm Grip Hold on Tool; Lateral and Longitudinal Adjustment. Each

No. BX15—7 inches Long; 1¾ in. Cut; Weight Each 1½ lbs.....**$3.20**
One in a Box

KNUCKLE JOINT

Japanned Top; Polished Face and Sides; Nickel Plated Brass Adjusting Nuts and Trimmings; Adjustable Throat which Can be Quickly Opened or Closed for Coarse or Fine Work. Sides are Depressed to Give Firm Grip Hold on Tool; Lateral and Longitudinal Adjustment. Each

No. BX18—6¼ in. Long; 1⅝ in. Cut; Weight Each 1⅝ lbs.....**$3.90**
One in a Box

LOW ANGLE

Japanned Top; Polished Face and Sides; Nickel Plated Brass Adjusting Nuts and Trimmings. Adjustable Throat which Can be Quickly Opened or Closed for Coarse or Fine Work. Sides are Depressed to Give Firm Grip Hold on Tool. Lateral and Longitudinal Adjustment. Each

No. BX60½—6 inches Long; 1½ inch Cut; Weight Each 1¼ lbs....**$2.90**
No. BX65½—7 inches Long; 1½ inch Cut; Weight Each 1½ lbs.....**3.30**
One in a Box

NON-ADJUSTABLE, DOUBLE END

Japanned Frame and Trimmings, Nickel Plated Adjusting Screw and Walnut Knob; Has Two Slots and a Movable Cutter Seat; Cutter can be Removed and Seat Reversed when it is Desired to Use the Tool as a Nosing Plane when Working up to Walls or into Corners. Each

No. BX130—8 in. Long; 1¾ in. Cut; Weight Each 2 lbs..... **$2.20**
One in a Box

NON-ADJUSTABLE

Blade Secured or Released by Turning Thumb Wheel. Cast Iron Body and Cap, Japanned; Ground Face and Blade; Tool Steel Cutter, Tempered, Ground and Polished. Each

No. BX102—5½ inches Long; 1¼ inch Cut; Weight Each ¾ lb.....**$1.10**
One in a Box

NON-ADJUSTABLE

Blade Secured or Released by Turning Thumb Wheel; Cast Iron Body and Cap, Japanned, Ground Face and Blade; Tool Steel Cutter, Tempered, Ground and Polished. Each

No BX110—7½ inches Long; 1¾ in. Cut; Weight Each 1¼ lbs,.....**$1.50**
One in a Box

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE

IRON BLOCK PLANES

★BRIDGE

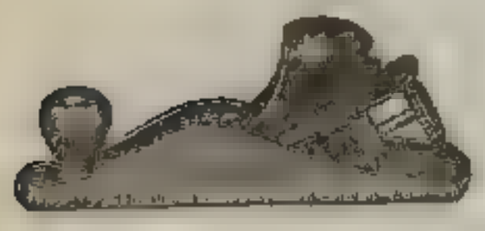
Best Quality Cast Iron Body and Cap; Tool Steel Cutters, Tempered, Ground and Polished. Machined and Polished Cast Iron Face and Sides, Ground Face and Sides.

LEVER ADJUSTMENT

Blade Secured or Released by Turning Thumb Wheel; Longitudinal Adjustment Cutter.

	Each
No. BX103—5½ inches Long; 1¼ inch Cut; Wt. 1 lb.	$1 50

One in a Box



SCREW ADJUSTMENT

Blade Secured or Released by Turning Thumb Wheel; Longitudinal Adjustment of Cutter.

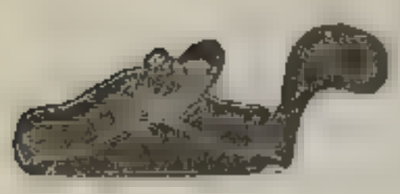
	Each
No. BX220—6¾ in. Long; 1⅝ in. Cut; Wt. 1½ lbs.	$2.20

TOY SIZE, PLAIN THROAT, WITHOUT HANDLE

For Amateurs Use and Boys Tool Chests, All Japanned; Ground Face and Blade; Cast Iron Body and Cap; Tool Steel Cutter; Tempered, Ground and Polished.

	Each
No. BX101—3½ inches Long; 1 inch Cut; Weight ⅝ lb.	$0.55

One in a Box



TOY SIZE, PLAIN THROAT WITH HANDLE

For Amateurs Use and Boys Tool Chests; All Japanned; Ground Face and Blade; Cast Iron Body and Cap; Tool Steel Cutter Tempered, Ground and Polished.

	Each
No. BX100—3½ inches Long; 1 inch Cut; Weight ½ lb.	$0.70

One in a Box

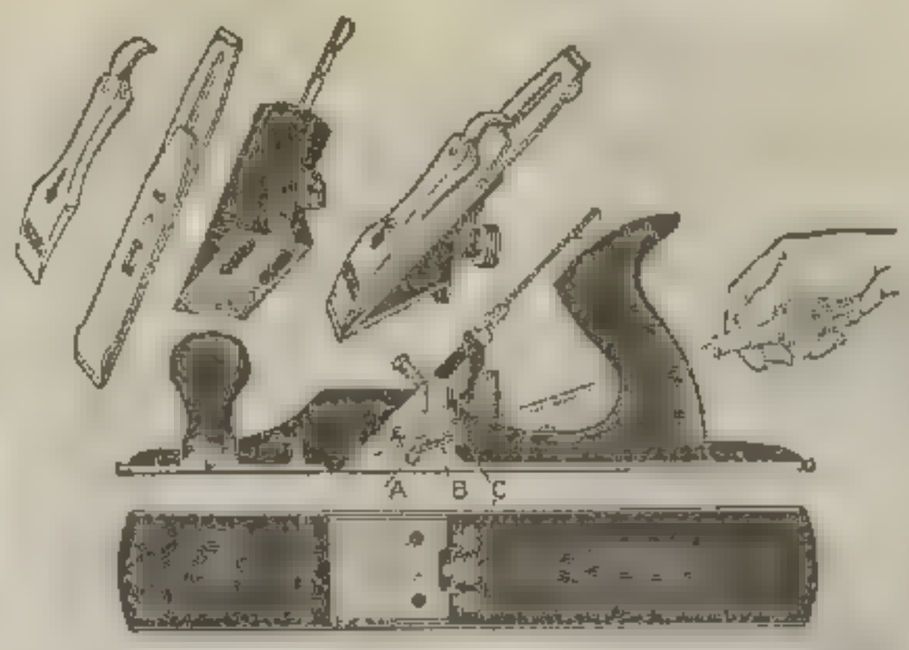
COMPARATIVE LIST OF WOOD PLANES

Showing Corresponding Numbers of Leading Manufacturers to Our Stock of Standard Planes.

KIND	Shapleigh Hdw. Co.	Auburn H. Tool C.	Chapin's Son	Sandusky Tool Co.	Sargent & Co.
Smooth, Single Iron	O 1	1	104	1	604
Smooth, Double Iron	O 3	3	112	3	612
Jack, Single Iron	O12	9	105	10	605
Jack, Double Iron	O15	12	113	13	613
Jack, Razee, Double	O17	16	113½	15	613½
Fore, Double Iron	O21	20	114	19	614
Jointer, Double Iron	O27	30-32	115	25	615
Tooth, Single Iron	30F	190	430	36	930
Bead, Single Boxed	37F	105	123	47	623
Bead, Double Boxed	38F	106	124	48	624
Scotia or Quarter Round	43½F	155	217	54	717
Dado, Side Stop	47F	176	138	60	638
Fillister, Side Stop	53F	119	148	67	648
Hollows and Rounds	72F	180	163	92	663
Match	75F	72	171	99	671
Nosing, One Iron	90F	...	...	...	...
Nosing, Two Irons	91F	189	133	113	632
Panel Plow	96½F	90	234	119	734
Panel Plow	101F	94	238	124	738
Rabbet, Skew	118F	181	157	146	657
Rabbet, Jack	119F	51-52	160	149	659
Rabbet, Jack	119½F	53-54	159	149	660

IRON BENCH PLANES

STANLEY



"BED ROCK" ADJUSTABLE

The cutter frog and bottom are so designed, machined and fitted that they are practically one solid piece of metal, thus preventing any chance of vibration. Particular attention is called to the shape of the side. This new and distinctive feature adds greatly to the strength of the plane as well as affording large bearing surfaces when the plane is used on its sides.

The frog may now be adjusted either forward or backward without removing the lever and cutter, simply slacken the tension of the two frog clamping screws "B," and with a screw driver adjust the frog as desired by means of the frog adjusting screw "C" in the center, and then tighten the frog clamping screws.

The cutter is adjustable endwise by means of the adjusting wheel at the back of the frog. It is also adjustable sidewise by lever located near the top and at the back of the cutter.

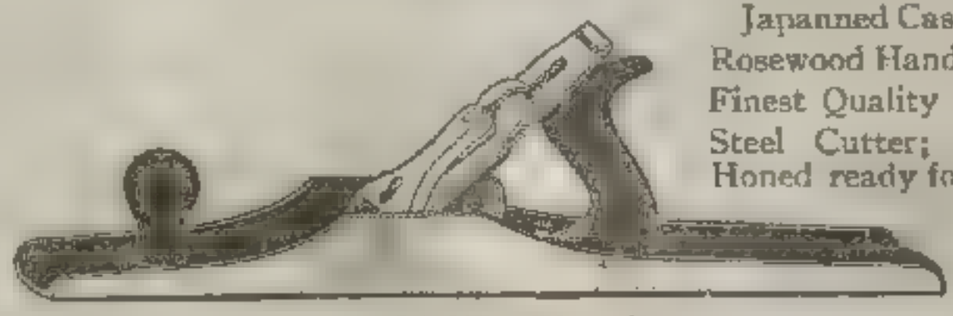
SMOOTH

Japanned Cast Iron Frame; Rosewood Handle and Knob; Finest Quality Tempered English Thin Steel Cutter; Ground and Honed ready for use.

Flat Bottom	Each
No. 602 —Leng. 7 in.; 1⅝ in. Cutter; Wt. 2¼ lbs.	$6 00
No. 603 —Leng. 8 in.; 1¾ in. Cutter; Wt. 3¼ lbs.	6 30
No. 604 —Leng. 9 in.; 2 in. Cutter; Wt. 3⅝ lbs.	6.90
No. 604½—Leng. 10 in.; 2⅜ in. Cutter; Wt. 4¾ lbs.	8.00

Corrugated Bottom	Each
No. 603C —Leng. 8 in.; 1¾ in. Cutter; Wt. 3¼ lbs.	$6.60
No. 604C —Leng. 9 in.; 2 in. Cutter; Wt. 3⅝ lbs.	7.20
No. 604C½—Leng. 10 in.; 2⅜ in. Cutter; Wt. 4¾ lbs.	8.40

One in a Box



Japanned Cast Iron Frame; Rosewood Handle and Knob; Finest Quality English Thin Steel Cutter; Ground and Honed ready for use.

JACK—Flat Bottom	Each
No. 605 —Leng. 14 inches; 2-inch Cutter; Weight 4¼ lbs.	$8.00
No. 605½—Leng. 15 inches; 2¼ inch Cutter; Weight 6½ lbs.	8.90

JACK—Corrugated Bottom	Each
No. 605C —Leng. 14 inches; 2 inch Cutter; Weight 4 ½ lbs.	$8.40
No 605½C—Leng. 15 inches; 2¼-inch Cutter; Weight 6½ lbs.	9.40

FORE	Each
Length 18 inches; 2⅜-inch Cutter; Weight 7½ lbs.	
No. 606 —Flat Bottom	$10 00
No. 606C—Corrugated Bottom	10 70

JOINTER—Flat Bottom	Each
No. 607—Leng. 22 in.; 2⅜ in. Cutter; Wt. 8¾ lbs.	$11 00
No. 608—Leng. 24 in.; 2⅜ in. Cutter; Wt. 9¾ lbs.	14.00

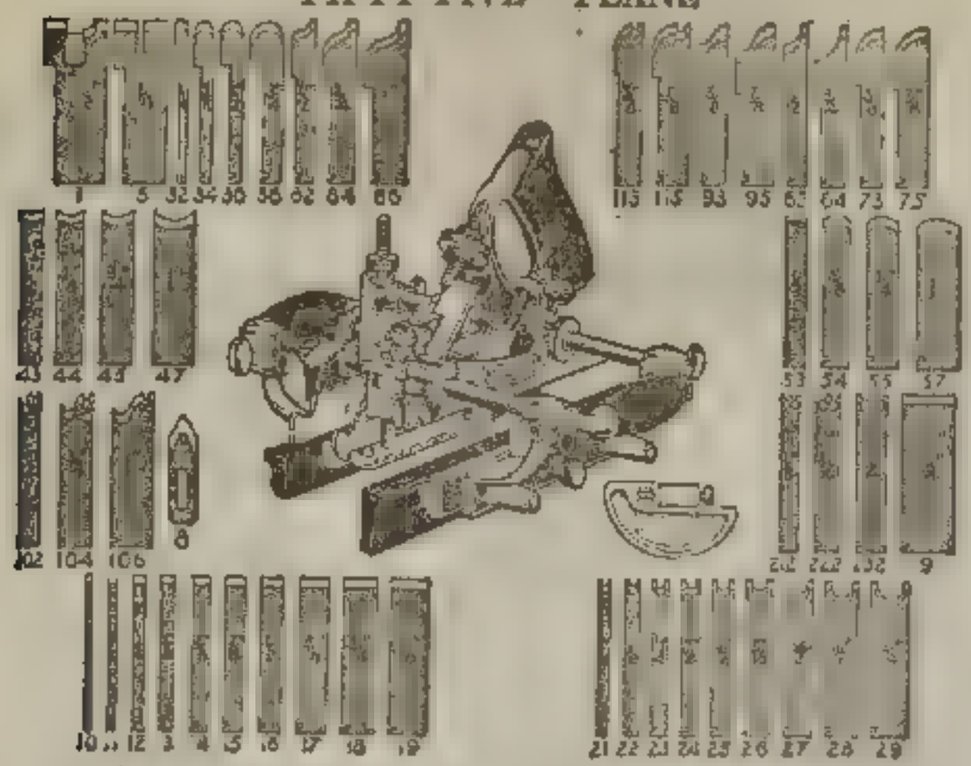
JOINTER—Corrugated Bottom	Each
No. 607C—Leng. 22 in.; 2⅜ in. Cutter; Wt. 8¾ lbs.	$12 20
No. 608C—Leng. 24 in.; 2⅜ in. Cutter; Wt. 9¾ lbs.	14.50

One in a Box.

COMBINATION PLANES

STANLEY

"FIFTY-FIVE" PLANE



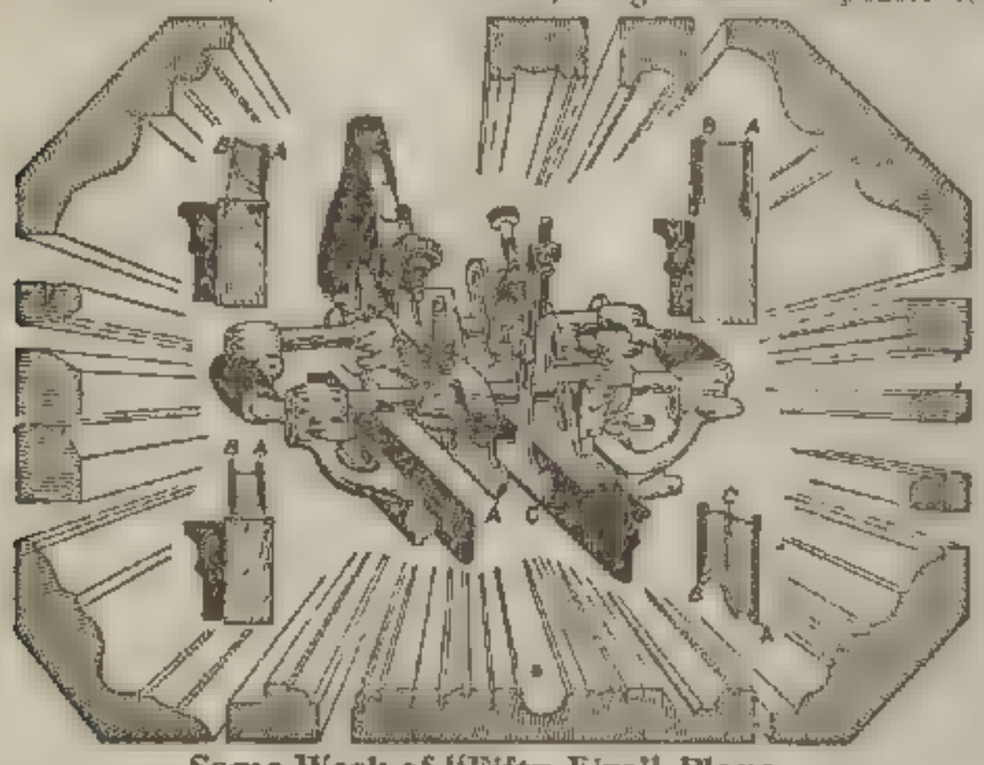
This Tool, in Addition to Being a Beading and Center Beading Plane, a Plow, Dado, Rabbet, Filletster, and Match Plane, a Sash Plane and a Slitting Plane, is also a Superior Moulding Plane, and will Accommodate Cutters of Almost any Shape and Size. In fact, it is **"A Planing Mill Within Itself."**

The Regular Equipment Sent with the Plane Comprises Fifty-two Cutters, all of which are Shown in the Cut. These Cutters, Together with the Plane and all its Attachments, are Packed in a Neat Steel Box.

All Metal Parts of the Plane are Nickel Plated. The Handle and Fences are Made of Selected Rosewood, and Every Part is Well Finished.

Each

No. 55—Nickel Plated, With 52 Cutters; Weight Each 17½ lbs.. **$43 50**



Some Work of "Fifty-Five" Plane

The Samples of Work Illustrated, Show Some of the Mouldings that can be Made with Cutters Regularly Furnished with this Plane.

When it is Considered, that in Addition to the Fifty-two Regular Cutters and the Forty-one Special Cutters, the Plane will Take Practically any Form of Cutter Desired, its Wide Range of Work will be Appreciated.

The Plane has: A Main Stock, "A", which Carries the Cutter Adjustment, a Handle, a Depth Gauge, a Slitting Gauge, and has a Steel Bottom Forming a Bearing for One Edge of the Cutter. A Sliding Section, "B", with a Steel Bottom Gives Bearing for the Other Edge of the Cutter and Slides on Arms Secured in the Main Stock. This Bottom can be Raised or Lowered so that, in Addition to Allowing the Use of Cutters of Different Widths, Cutters can be Used having One Edge Higher or Lower than the Edge Supported in the Main Stock. An Extra Support or Stop is Necessary for Cutters which First Enter the Wood at a Point Between the Outside Edges, and is a Benefit for Such Cutters which, if the Plane were Accidentally Tilted, Would Tend to Gouge the Work. The Auxiliary Center Bottom, "C", which can be adjusted for Width or Depth, Fulfills this Requirement. Fence, "D", has a Lateral Adjustment, by means of a Screw, for Extra Fine Work. The Fences can be Used on Either Side of the Plane, and the Rosewood Guides can be Tilted to any Desired Angle up to Forty-five Degrees, by Loosening the Screws on the Face. Fence, "E", can be Reversed for Center Beading Wide Boards.

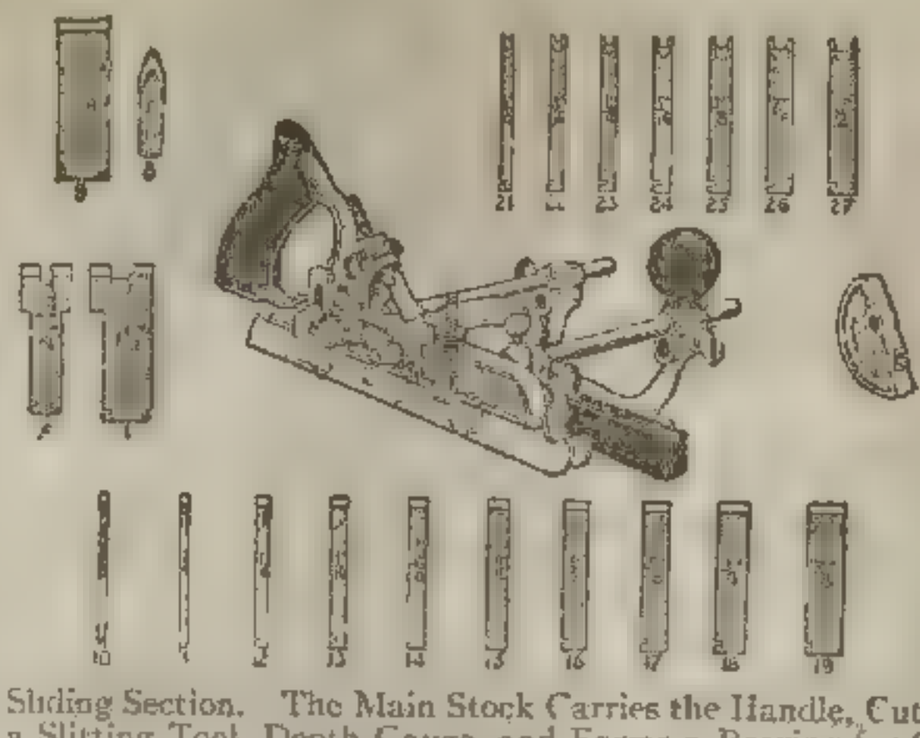
The Plane is Fitted with Spurs for Working Across the Grain, and a Special Cam Rest, to be Located on the Front Arm when Working at a Distance from the Edge of the Board, to Keep the Fence from Sagging, or on the Rear Arm on Certain Work, to Prevent the Possibility of the Plane Rocking. All parts are Interchangeable.

The Four Small Cuts in the Corners, Show how the Bottoms Should be Set for Different Forms of Cutters and the Great Importance of Having the Fences Adjusted so that the Cutters will Not Run.

COMBINATION PLANES

STANLEY

"FORTY-FIVE" PLANE



Seven Tools in One in Compact and Practical Form. 1—Beading and Center Beading Planer. 2—Plow. 3—Dado. 4—Rabbet and Filletster. 5—Match Plane. 6—Sash Plane. 7-Slitting Plane.

The Plane has Two Principal Parts; a Main Stock and a Sliding Section. The Main Stock Carries the Handle, Cutter Adjustment, a Slitting Tool, Depth Gauge, and Forms a Bearing for One Edge of the Cutter. The Sliding Section Slides on Two Arms Secured in the Stock and has a Bearing for the Other Edge, Allowing Cutters of Different Widths to be Used. A Fence also Slides on These Arms for Use when Working as a Plow, Beader or Filletster, to Gauge the Distance from the Cutter to the Edge of the Board, and to Keep the Cutter at Right Angles to Same. When Used as a Filletster, the Fence Slides Under the Bottom of the Plane and Determines the Width of Cutter Exposed to the Work.

The Plane is Fitted with Spurs for Use Across the Grain, etc., and can be Used either Right or Left Hand.

With Each Plane are Furnished Twenty-one Cutters, all of which are Shown in the Cut. The Cutters, Together with the Plane, are Packed in a Neat Steel Box.

All Metal Parts are Nickel Plated. The Handle, Knob and Fence are Made of Selected Rosewood. For Beading at a Distance from the Edge of a Board, Attach Cam Rest (see Cut at Right of Plane) to the Front Arm Between the Sliding Section and Fence to Prevent the Fence Sagging. In Certain Work Attach same to the Rear Arm to Prevent the Plane from Rocking

Each

No. 45—Nickel Plated, With 21 Cutters; Weight Each 9½ lbs..... **$22.00**

One in a Box

PLOW, DADO, FILLETSTER AND MATCHING

Skew Cutters are the Feature of this Plane. It Consists of a Main Stock Carrying a Spur, a Depth Gauge and a Slitting Cutter, a Sliding Section Carrying a Spur and Forming an Extra Sole for the Plane, and a Fence Rosewood Face, which can be Set for Either Plow or Filletster Work.

Each

No. 46—Nickel Plated Cast Iron; Rosewood Handle and Knob; Length 10½ inches; Eleven Cutters, Comprising 8 Plow and Dado Bits, 3/16, ¼, 5/16, ⅜, ½, ⅝, ¾ and 1" inches; 1½ inch Filletster Cutter, a ¼ inch Tonguing Tool, and 1 a Slitting Cutter; Weight 7 lbs. **$15.50**

One in a Box

DADO

This is the Main Stock with Spur, Slitting Tool, Depth Gauge and the Sliding Section with Spur, Used in Plane No. 46, but Without the Fence, and with Fewer Cutters.

Each

No. 47—Nickel Plated Cast Iron; Rosewood Handle and Knob; Length 10½ inches; Six Cutters, Comprising 5 Dado Bits, ⅜, ½, ⅝, ¾ and 1¼ inch; also one Slitting Cutter; Weight 3¼ lbs. **$12.20**

One in a Box

COMBINATION PLANES

STANLEY

PLOW, BEADING OR MATCHING

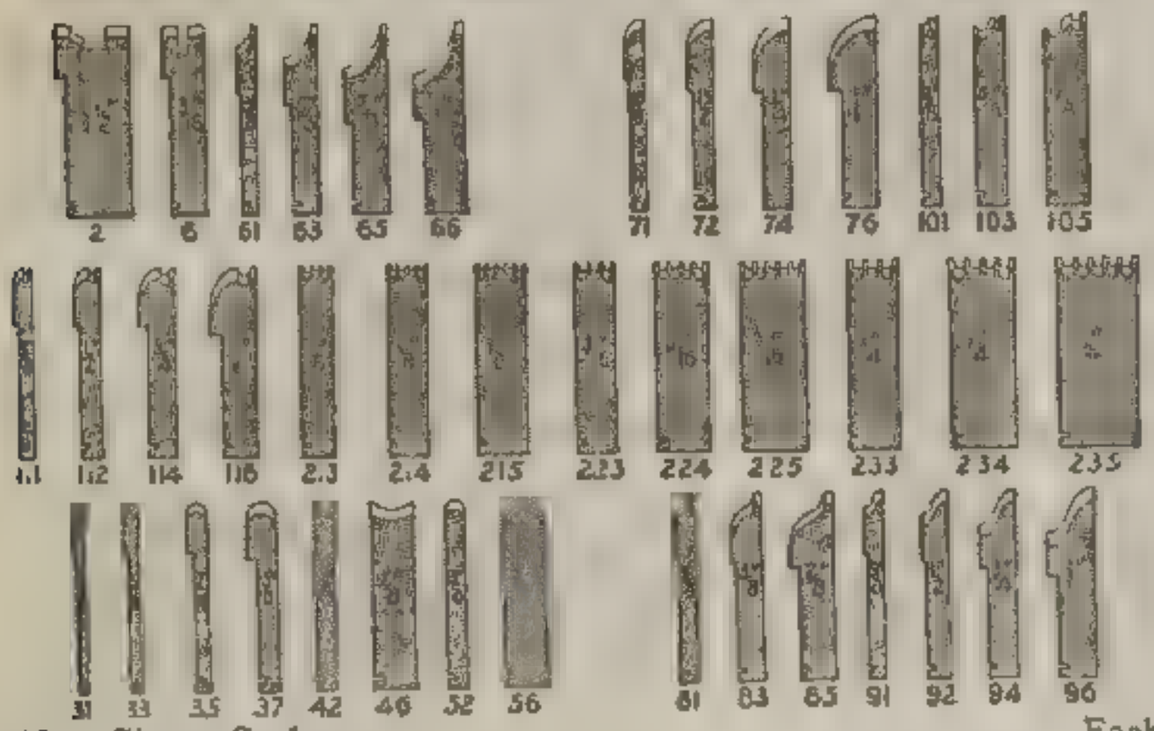
This is a very handy tool for light work. It consists of a main stock carrying a spur and a depth gauge, and forming a support for one side of the cutter; a sliding section, carrying a spur and forming a support for the other side of the cutter, and a fence with a 6-inch adjustment. The handle is metal, being a part of the main stock.

Each

No. 50—Nickel Plated Cast Iron; Length 9¼ inches; Fifteen Cutters, comprising 7 plow and dado bits, ¼, 5/16, ⅜, 7/16, ½, ⅝ and ⅞ inch; 7 beading tools, ⅛, 3/16, ¼, 5/16, ⅜, 7/16 and ½ inch; and a ¼ inch tonguing tool; Weight 3½ lbs..... $12.00

One in a Box

SPECIAL CUTTERS FOR "55" PLANES



No.	Size	Style	Each
2	1½ in.	Sash Tool	$1.80
6	1/16 in.	Match Tool	1.80
31	1/16 in.	Fluting Tool	1.10
33	1/16 in.	" "	1.10
35	1/16 in.	" "	1.10
37	5/16 in.	" "	1.10
42	⅜ in.	Hollow	.75
46	7/16 in.	"	.75
52	⅜ in.	Round	.75
56	7/16 in.	"	.75
61	⅜ in.	Quarter Hollow	1.65
63	5/16 in.	" "	1.65
65	7/16 in.	" "	1.80
66	1 in.	" "	1.80
71	⅜ in.	Quarter Round	1.65
72	½ in.	" "	1.65
74	¾ in.	" "	1.80
76	1 in.	" "	1 80
81	⅜ in.	Reverse Ogee	1.60
83	5/16 in.	" "	1.00
85	7/16 in.	" "	1.80
91	⅜ in.	Roman Ogee	1.65
92	½ in.	" "	1.65
94	¾ in.	" "	1.80
96	1 in.	" "	1.80
101	⅜ in.	Grecian Ogee	1.65
103	5/16 in.	" "	1.65
105	7/16 in.	" "	1.80
111	⅜ in.	¼ Round, with Bead	1.65
112	½ in.	¼ " " "	1.65
114	¾ in.	¼ " " "	1.80
116	1 in.	¼ " " "	1.80
213	⅛ in.	Reeding Tool, 3 Beads	1.10
214	⅛ in.	" " 4 "	1.45
215	⅛ in.	" " 5 "	1.80
223	3/16 in.	" " 3 "	1.10
224	3/16 in.	" " 4 "	1 45
225	⅛ in.	" " 5 "	1 80
233	¼ in.	" " 3 "	1.10
234	¼ in.	" " 4 "	1 45
235	¼ in.	" " 5 "	1.80

EXTRA CUTTERS FOR "55" PLANES

The following cutters are furnished with each Plane. The price given in case duplicates should be required.

No.	Size.	Style	Each
1	1½ in.	Sash Tool	$1 80
5	¼ in.	Match Tool	1 80
8		Slitting Tool	1 10
9	1¼ in.	Fillester	.90
10	⅛ in.	Plow & Dado Tool	.55
11	3/16 in.	" " "	.55
12	¼ in.	" " "	.55
13	5/16 in.	" " "	.55
14	⅜ in.	" " "	.75
15	7/16 in.	" " "	.75
16	½ in.	" " "	.75
17	⅝ in.	" " "	.75
18	¾ in.	" " "	.75
19	⅞ in.	" " "	.90
21	⅛ in.	Beading Tool	.55
23	3/16 in.	" "	.55
24	¼ in.	" "	.55
24	5/16 in.	" "	.75
26	7/16 in.	" "	.90
27	½ in.	" "	.90
28	⅝ in.	" "	1.10
29	¾ in.	" "	1.10
32	¼ in.	Fluting Tool	1.10
34	⅜ in.	" "	1.10
36	7/16 in.	" "	1 10
38	¾ in.	" "	1.10
43	½ in.	Hollow	.75
44	⅝ in.	"	.75
45	¾ in.	"	.75
47	1 in.	"	.75
53	½ in.	Round	.75
54	⅝ in.	"	.75
55	¾ in.	"	.75
57	1 in.	"	.75
62	½ in.	Quarter Hollow	1.65
64	¾ in.	" "	1.80
73	⅝ in.	" Round	1.65
75	⅞ in.	" "	1.80
82	½ in.	Reverse Ogee	1.65
84	¾ in.	" "	1.80
86	1 in.	" "	1.80
93	⅝ in.	Roman "	1.65
95	⅞ in.	" "	1.80
102	½ in.	Grecian "	1.65
104	¾ in.	" "	1.80
106	1 in.	" "	1 80
113	⅝ in.	¼ Round, with Bead	1.65
115	⅞ in.	¼ " " "	1.80
212	⅛ in.	Reeding Tool, 2 Beads	.75
222	3/16 in.	" " 2 "	.75
232	¼ in.	" " 2 "	.75

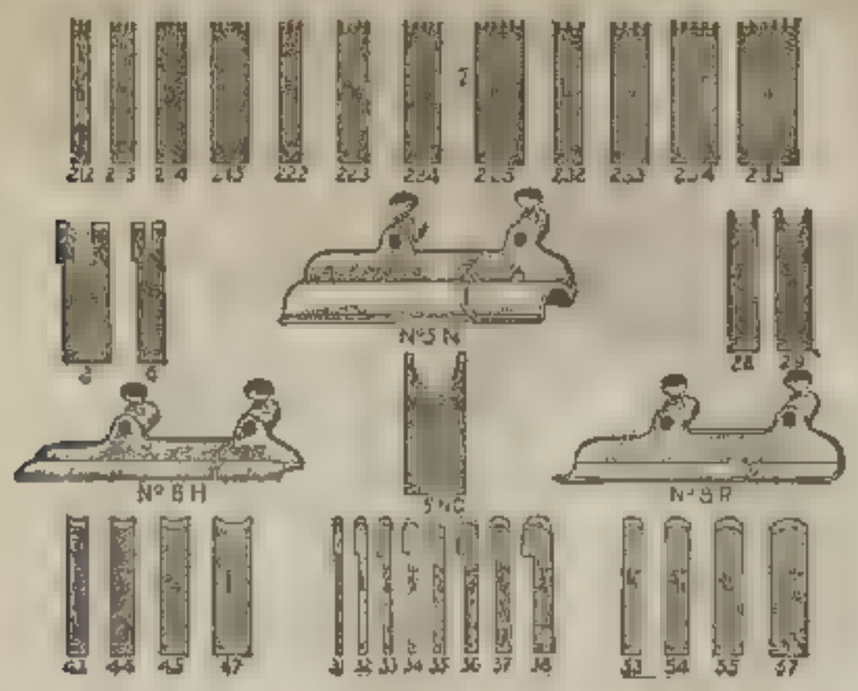
EXTRA CUTTERS FOR "45" PLANES

The following cutters are furnished with each Plane. The price is given in case duplicates should be required.

No.	Size	Style	Each
1	1½ in.	Sash Tool	$1 80
5	¼ in.	Match Tool	1 80
8		Slitting Tool	1 10
9	1¼ in.	Filletster	.90
10	⅛ in.	Plow & Dado Tool	55
11	3/16 in.	" " "	.55
12	¼ in.	" " "	.55
13	5/16 in.	" " "	.55
14	⅜ in.	" " "	.75
15	7/16 in.	" " "	.75
16	½ in.	" " "	.75
17	⅝ in.	" " "	.75
18	¾ in.	" " "	.75
19	⅞ in.	" " "	.90
21	⅛ in.	Beading Tool	.55
22	3/16 in.	" "	.55
23	¼ in.	" "	.55
24	5/16 in.	" "	.75
25	⅜ in.	" "	.75
26	7/16 in.	" "	.80
27	½ in.	" "	.90

Items Marked ✝ Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory, New Britain, Conn.

SPECIAL CUTTERS FOR "45" PLANES



No.	Size	Style	Each
2	1 1/2	in. Sasa Tool	$1.80
6	3/16	in. Match Tool	1.80
28	5/8	in. Beading Tool	1.10
29	3/4	in. " "	1.10
31	5/16	in. Fluting Tool	1.10
32	1/4	in. " "	1.10
33	5/16	in " "	1 10
34	3/8	in. " "	1.10
35	7/16	in " "	1 10
36	1/2	in " "	1.10
37	5/8	in. " "	1.10
38	3/4	in " "	1.10
212	1/8	in. Reeding Tool 2 Beads	.74
213	1/8	in. " " 3 "	1.10
214	1/8	in " " 4 "	1.44
215	1/8	in " " 5 "	1.80
222	3/16	in " " 2 "	.74
223	3/16	in. " " 3 "	1 10
224	3/16	in " " 4 "	1.44
225	3/16	in " " 5 "	1.80
232	1/4	in. " " 2 "	.74
233	1/4	in " " 3 "	1.10
234	1/4	in. " " 4 "	1.44
235	1/4	in " " 5 "	1 80

SPECIAL BOTTOMS FOR "45" PLANES

In order to work Hollows and Rounds, or a Nosing Cutter in the No. 45 Plane, it is necessary to substitute for the sliding section especially formed bottoms, which are called by the same name as the cutters they are designed to carry, that is: Hollows, Rounds or Nosing Tools.

A Hollow and its Cutters will form a **Round** on the Mouldings being worked. A Round and its Cutters will form a **Hollow**. A Nosing Tool and its Cutters will form what might be called an exaggerated Round. It is very largely used for shaping the edges of stair treads. Hollows and Rounds are made in four sizes and are usually sold in sets, a set comprising one Hollow, one Round and two Cutters. The price of a Nosing Tool includes one Cutter.

Per Pair

No. 6—Hollow and Round; 1/8-inch Cutters; Work 1/4-inch Circle. **$3 30**

No. 8—Hollow and Round; 5/16-inch Cutters; Work 1 -inch Circle. **3 30**

No. 10—Hollow and Round; 3/4-inch Cutters; Work 1 1/4 -inch Circle **3.50**

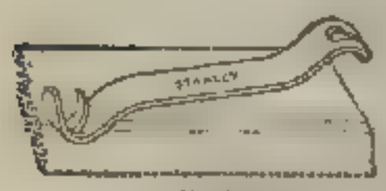
No. 12—Hollow and Round; 1-inch Cutters; Work 1 1/2-inch Circle **3.50**

Each

No. 5—Nosing Tool; 1 1/4-inch Cutters; Work 1 1/4 inch Circle....**$2 60**

CORNERING TOOLS

STANLEY



These tools are used by Pattern Makers and all wood-workers for rounding sharp edges. They have a different size cutter at each end and their form is such that no depth gauge is required.

Polished Tool Steel; Length 5 1/2 inches.

Per Dozen

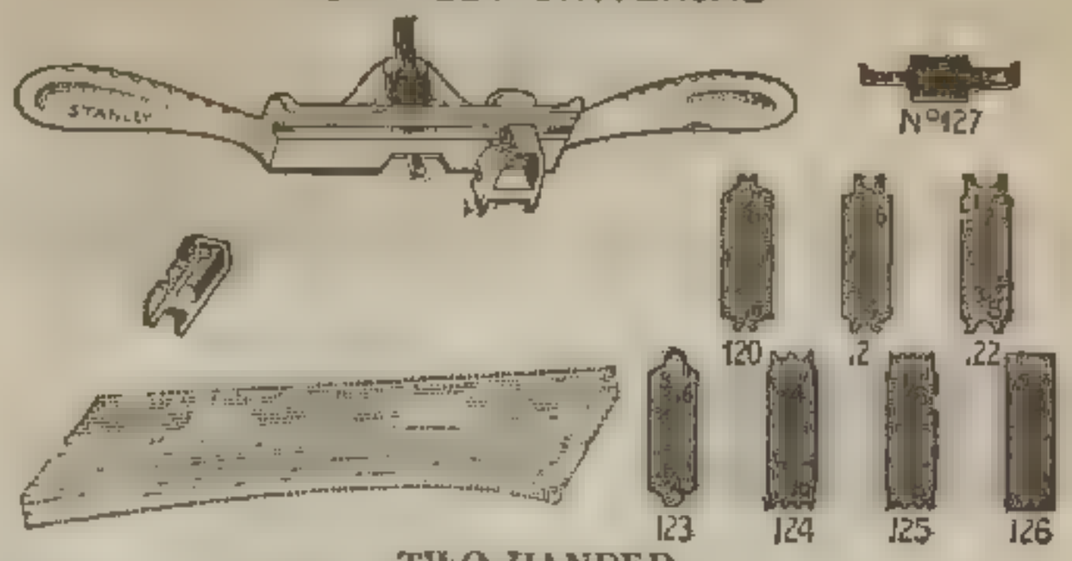
No. 28—1/8 and 1/4 inch Cutter; Weight per Dozen 1 1/2 lbs.....**$2 50**

No. 29—1/4 and 3/8 inch Cutter; Weight per Dozen 1 1/2 lbs.....**2.90**

Half Dozen in a Box

BEADING TOOLS

STANLEY UNIVERSAL



TWO-HANDED

This is an excellent tool for beading, reeding or fluting straight or irregular surfaces and for light routering. The sample illustrated shows some of the work that can be done with its use. With each beader are furnished a square guage for straight work and an oval gauge for curved work. There are also furnished eight cutters sharpened at both ends and embracing the following assortment, 6 single beads, 1/8, 3/16, 1/4, 5/16 3/8 and 1/2 inches; 2 fluting tools, 3/16 and 1/4 inches; 4 reeding tools, (2 beads 3/16 inch, 3 beads 1/4 inch, 3 beads 1/8 inch and 4 beads 1/8 inch), 2 routers 1/8 and 1/4 inch, and a 5/8 inch blank, which latter cutter the owner can file up as he desires.

The handles are curved so as to insure ample room between the workman's hands and the surface of the work.

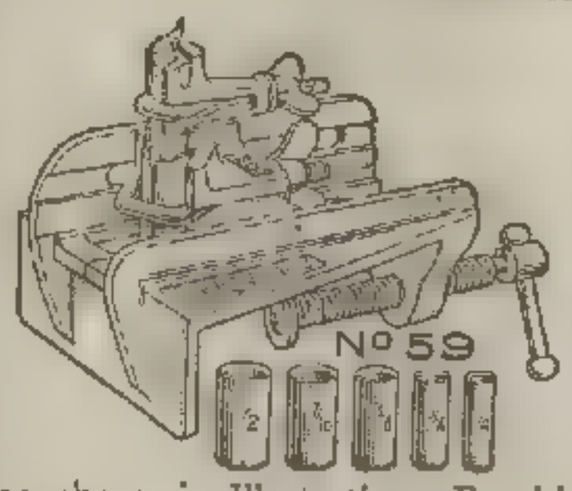
Per Dozen

No. 66—Iron, Nickel Plated; Length 11 1/2 inches; Eight Cutters; Weight Each, 1 1/2 lbs.....**$27.70**

Twelve in a Box

DOWELING JIGS

STANLEY



This Tool is made for the purpose of enabling the user to Bore Dowel Holes in the Edge End of Surface of Work with the greatest Ease and Accuracy. It will Cut any thickness of Material up to 3 inches.

It also will be found an excellent Bit Guide for Mortising. When making Dowel Holes with the Doweling Jig the Steel Guide is Automatically Set to guide the Bit properly when the Jig is Clamped to the work as shown in Illustration. Furnished with Five Steel Guides 1 1/4 inches Long; One each 1/4, 5/16, 3/8, 7/16 and 1/2 inch. To allow for Variations in Size of Bits the Guides are made 1/100 inch Larger than the Sizes given.

Each

No. 59—Nickel Plated Cast Iron Body, 5 1/4 inches Long; Weight each 1 1/2 lbs.....**$4.00**

One in a Box

DOWEL SHARPENERS

STANLEY

This Tool is the Reverse of the Countersink and can be Sharpened with equal Ease. By its use Dowel Pins can be Sharpened Rapidly and Uniformly.

Per Dozen

No. 22—Made of Malleable Iron; Nickel Plated; Sharpens Dowel Pins up to 1/4 inch; Weight per Dozen 1 1/4 lbs.....**$6.90**

Half Dozen in a Box

DOWEL PLATES

Used for Making Wood Dowel Pins

Made of High Grade Tool Steel; Full Polished and properly Tempered.

Per Dozen

No. 79—Has Holes for making Five different Sizes of Dowel Pins, 1/4, 5-16, 3/8, 7-16 and 1/2 inch Diameter; Size of Plate 6x1 1/2x3/8 inch; Weight each 1/8 lb.....**$13.20**

One Dozen in a Box

Items Marked ✢ Not Carried in Stock Can Only be Furnished by Shipping Direct from Factory, New Britain, Conn.

PLANE IRONS

In Ordering Plane Irons Always Give the Make and Number of Plane for Which they are Wanted.

★*Diamond Edge*
TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE

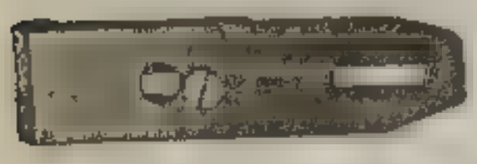
Highest Grade English Tool Steel, Especially Selected for *Diamond Edge* Planes; Oil Tempered, Ground and Hand Sharpened; Extra Heavy Bit Full Polished.

For All-Iron and Wood Bottom Bench Planes

No. DES—SINGLE CUT IRONS

Cut, inches	1¾	1⅝	1¾	2	2⅛	2¼	2⅜	2⅝
Wt Doz., lbs.	2¼	2½	2⅝	3¼	3½	3⅞	4¼	4½
Per Dozen	**$7.70**	**9.50**	**11.00**	**11.50**	**12.50**	**13.50**	**14.30**	**15.00**

Half Dozen in a Box

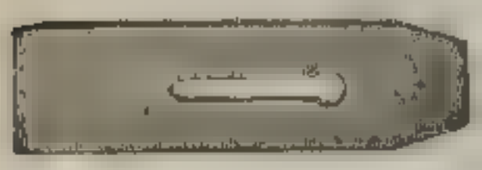


For All-Iron and Wood and Bench Bottom Planes

No. DED—DOUBLE IRONS

Cut, inches	1¾	1⅝	1¾	2	2⅛	2¼	2⅜	2⅝
Wt. Doz., lbs.	3½	4	4½	5½	6	7	7¼	7½
Per Dozen	**$14.00**	**15.70**	**17.00**	**19.50**	**22.00**	**21.00**	**22.00**	**22.50**

Half Dozen in a Box



For Wood Bench Planes

No. DESW—SINGLE CUT IRONS

Cut, inches	2	2⅛	2¼	2⅜	2½	2⅝
Weight Dozen, lbs.	6½	7½	8	8½	9½	10
Per Dozen	**$11.50**	**12 30**	**13 50**	**15 00**	**16.50**	**18 00**

Half Dozen in a Box

For Wood Bench Planes

No. DEDW—DOUBLE IRONS

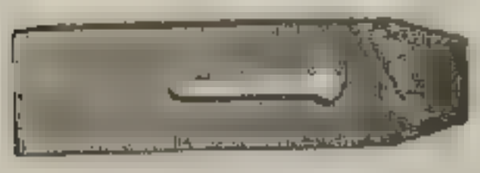
Cut, inches	2	2⅛	2¼	2⅜	2½
Weight per Dozen, lbs	9½	10½	11	11½	13½
Per Dozen	**$20.50**	**21.20**	**22.30**	**23.50**	**26.00**

Half Dozen in a Box

★BRIDGE

Bridge

High Grade Crucible Steel Bit; Soft Steel Body; Oil Tempered; Ground and Hand Sharpened; Heavy Bit Full Polished.

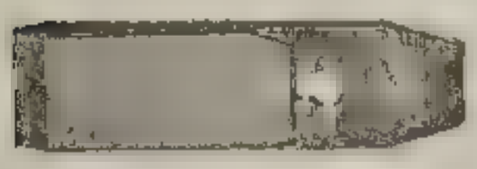


For Wood Bench Planes

No. BSW—SINGLE CUT IRONS

Cut, inches	2	2⅛	2¼	2⅜	2½
Weight Doz., lbs.	6½	7½	8	8½	9½
Per Dozen	**$12.00**	**12.80**	**14.30**	**15 50**	**17.00**

Half Dozen in a Box



For Wood Bench Planes

No. BDW—DOUBLE IRONS

Cut, inches	2	2⅛	2¼
Weight, Dozen lbs.	9½	10½	11
Per Dozen	**$21.50**	**22.00**	**23.70**

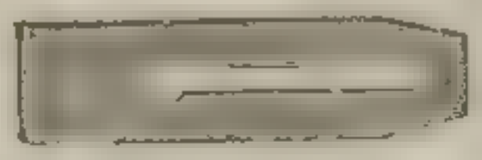
Half Dozen in a Box

PLANE IRONS

In Ordering Plane Irons Always Give the Make and Number of Plane for Which They are Wanted.

STANLEY

Extra Quality Cast Steel, Perfectly Tempered, Ground and Polished.

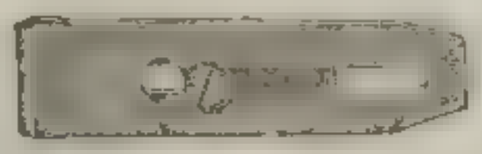


For All-Iron and Wood Bottom Bench Planes

No. BS—SINGLE CUT IRONS

Cut, inches	1¾	1⅝	1¾	2
Weight per Dozen, lbs.	2¼	2½	2⅝	3¼
Per Dozen	**$7.70**	**9.50**	**10.40**	**11.00**
Cut, inches	2⅛	2¼	2⅜	2⅝
Weight per Dozen, lbs.	3½	3⅞	4¼	4½
Per Dozen	**12.20**	**13.20**	**13.50**	**13.80**

Half Dozen in a Box



For All-Iron and Wood Bottom Bench Planes

No. BD—DOUBLE IRONS

Cut, inches	1⅝	1¾	2
Weight per Dozen, lbs	4	4½	5½
Per Dozen	**$15.50**	**16.50**	**18.70**
Cut, inches	2¼	2¾	2⅝
Weight per Dozen, lbs	7	7¼	7½
Per Dozen	**$20.50**	**21.40**	**22.30**

FOR BLOCK PLANES

	Per Dozen
No. BP—For Planes Nos. 9½, 9¾, 15, 15½, 16, 17, 18, 19, 131 and 220 Planes	**$7.40**
No. BX—For Plane No. 120	**7.40**

Half Dozen in a Box

PLANE HANDLES

FOR ★*Diamond Edge* IRON PLANES

Black Composition Rubber

	Per Dozen
No. DE4—For No. DE3 and DE4 Planes; Weight per Dozen 2½ lbs.	**$9.50**
No. DE4½—For Nos. DE4½, DE5, DE6, DE7 and DE8 Planes Weight per Dozen 2½ lbs.	**9.50**

One Dozen in a Box

FOR ALL-IRON PLANES

Rosewood Finished Hardwood

	Per Dozen
No. 4—For Bailey No. 4 and *Diamond Edge* No. DE4 Smooth Planes; Weight per Dozen 2 lbs.	**$9.00**
No. 5—For Bailey and Ohio *Diamond Edge* Jack, Fore and Jointer and for Ohio Smooth Plane No. 4; Weight per Dozen 2 lbs.	**9.00**

One Dozen in a Box

FOR WOOD BOTTOM PLANES

Plain Finished Beechwood

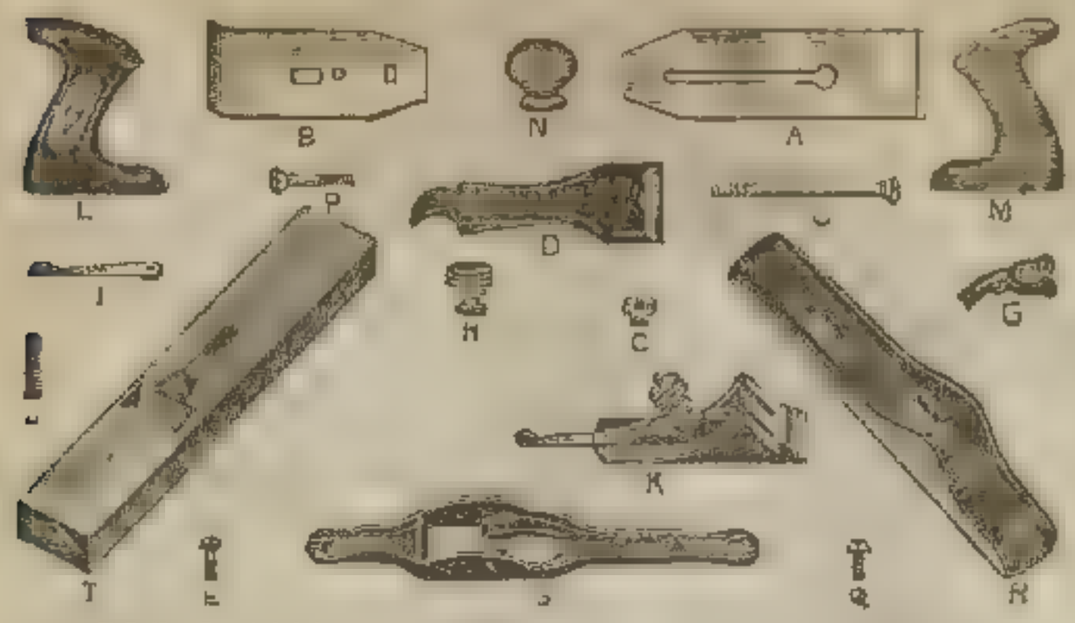
	Per Dozen
No. 26—For Jack, Fore and Jointer Planes; All Sizes Weight per Dozen 2 lbs.	**$4.70**

One Dozen in a Box

PLANE PARTS

When Ordering, Always Give Kind and Number of Plane for Which Part is Wanted, as Well as the Figure Number of the Part Wanted.

Ten Cents will be the Minimum Charge for Any Part Sent by Mail.



FOR DIAMOND EDGE IRON BENCH PLANES

SINGLE PLANE IRON (A)

For Planes	DE3	DE4	DE4½	DE5
Each	$0.55	.60	.75	.80
	.90	.95	1.20	.95
For Planes	DE5½	DE6	DE7	DE8
Each	$0.70	.75	.75	.80
	1.10	1.20	1.20	1.30

TOP PLANE IRON (B)

For Planes	✣DE3	✣DE4	✣DE4½	✣DE5
Each	$0.35	.35	.45	.55
	.55	.55	.70	.55
For Planes	✣DE5½	✣DE6	✣DE7	✣DE8
Each	$0.40	.45	.45	.50
	.65	.70	.70	.80

PLANE IRON SCREW (C)

For Planes	DE3	DE4	✣DE4½	DE5
Each	$0.10	.10	.10	.10
	.15	.15	.15	.15
For Planes	✣DE5½	✣DE6	✣DE7	DE8
Each	$0.10	.10	.10	.10
	.15	.15	.15	.15

CAP (D)

For Planes	DE3	DE4	DE4½	DE5
Each	$0.50	.50	.50	.50
	.80	.80	.80	.80
For Planes	DE5½	DE6	DE7	DE8
Each	$0.50	.50	.50	.50
	.80	.80	[illegible]	.80

CAP SCREW (E)

For Planes	✣DE3	✣DE4	✣DE4½	✣DE5
Each	$0.10	.10	.10	.10
	.15	.15	.15	.15
For Planes	✣DE5½	✣DE6	✣DE7	✣DE8
Each	$0.10	.10	.10	.10
	.15	.15	.15	.15

Y ADJUSTMENT (G)

For Planes	✣DE3	✣DE4	✣DE4½	✣DE5
Each	$0.10	.10	.10	.10
	.15	.15	.15	.15
For Planes	✣DE5½	✣DE6	✣DE7	DE8
Each	$0.10	.10	.10	.10
	.15	.15	.15	.15

BRASS ADJUSTING NUT (H)

For Planes	✣DE3	✣DE4	✣DE4½	✣DE5
Each	$0.20	.20	.20	.20
	.30	.30	.30	.30
For Planes	✣DE5½	✣DE6	✣DE7	DE8
Each	$0.20	.20	.20	.20
	.30	.30	.30	.30

LEVER ONLY (I)

For Planes	✣DE3	✣DE4	✣DE4½	✣DE5
Each	$0.20	.20	.20	.20
	.30	.30	.30	.30
For Planes	✣DE5½	✣DE6	✣DE7	✣DE8
Each	$0.20	.20	.20	.20
	.30	.30	.30	.30

FOR DIAMOND EDGE IRON BENCH PLANES

FROG SCREW (J)

For Planes	✣DE3	✣DE4	✣DE4½	✣DE5
Each	$0.10	.10	.10	.10
	.15	.15	.15	.15
For Planes	✣DE5½	✣DE6	✣DE7	✣DE8
Each	$0.10	.10	.10	.10
	.15	.15	.15	.15

FROG COMPLETE (K)

For Planes	DE3	DE4	✣DE4½	✣DE5
Each	$0.70	.70	.70	.70
	1.10	1.10	1.10	1.10
For Planes	✣DE5½	DE6	DE7	✣DE8
Each	$0.70	.70	.70	.70
	1.10	1.10	1.10	1.10

HANDLES (L)

For Prices See Page 126

KNOB (N)

For Planes	✣DE3	✣DE4	✣DE4½	DE5
Each	$0.30	.30	.30	.30
	.50	.50	.50	.50
For Planes	✣DE5½	✣DE6	✣DE7	✣DE8
Each	$0.30	.30	.30	.30
	.50	.50	.50	.50

HANDLE BOLT (O)

For Planes	DE3	DE4	DE4½	DE5
Each	$0.20	.20	.20	.20
	.30	.30	.30	.30
For Planes	DE5½	DE6	DE7	DE8
Each	$0.20	.20	.20	.20
	.30	.30	.30	.30

KNOB BOLT (P)

For Planes	✣DE3	✣DE4	✣DE4½	✣DE5
Each	$0.20	.20	.20	.20
	.30	.30	.30	.30
For Planes	✣DE5½	✣DE6	✣DE7	✣DE8
Each	$0.20	.20	.20	.20
	.30	.30	.30	.30

HANDLE SCREW (Q)

For Planes			✣DE4½	DE5
Each			.10	.10
			$0.15	.15
For Planes	DE5½	DE6	✣DE7	✣DE8
Each	$0.10	.10	.10	.10
	.15	.15	.15	.15

IRON PLANE BOTTOM (R)

For Planes	DE3	DE4	✣DE4½	✣DE5
Each	$2.00	2.00	2.40	2.40
	3.20	3.20	3.90	3.90
For Planes	✣DE5½	✣DE6	✣DE7	✣DE8
Each	$2.40	3.30	4.70	5.70
	3.90	5.30	7.60	9.20

FOR DIAMOND EDGE WOOD BOTTOM BENCH PLANES

TOP CASTING (S)

For Planes	DE22	DE24	DE35	DE26
Each	$0.40	.40	.40	.40
	.65	.65	.65	.65
For Planes	DE27½	DE28	DE31	[illegible]
Each	$0.40	.40	.40	.40
	.65	.65	.65	.65

WOOD BOTTOM (T)

For Planes	DE22	DE24	DE35	DE26
Each	$0.80	.80	.80	1.00
	1.30	1.30	1.30	1.60
For Planes	DE27½	DE28	DE31	DE32
Each	$1.00	1.40	1.60	1.70
	1.60	2.30	2.60	2.80

HANDLE (M)

For Planes	DE25	DE35	DE26	DE27½
Each	$0.20	.20	.20	.20
	.30	.30	.30	.30
For Planes		DE28	DE31	DE32
Each		$0.20	.20	.20
		.30	.30	.30

Items Marked ✣ Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory, New Britain, Conn.

PLANE PARTS

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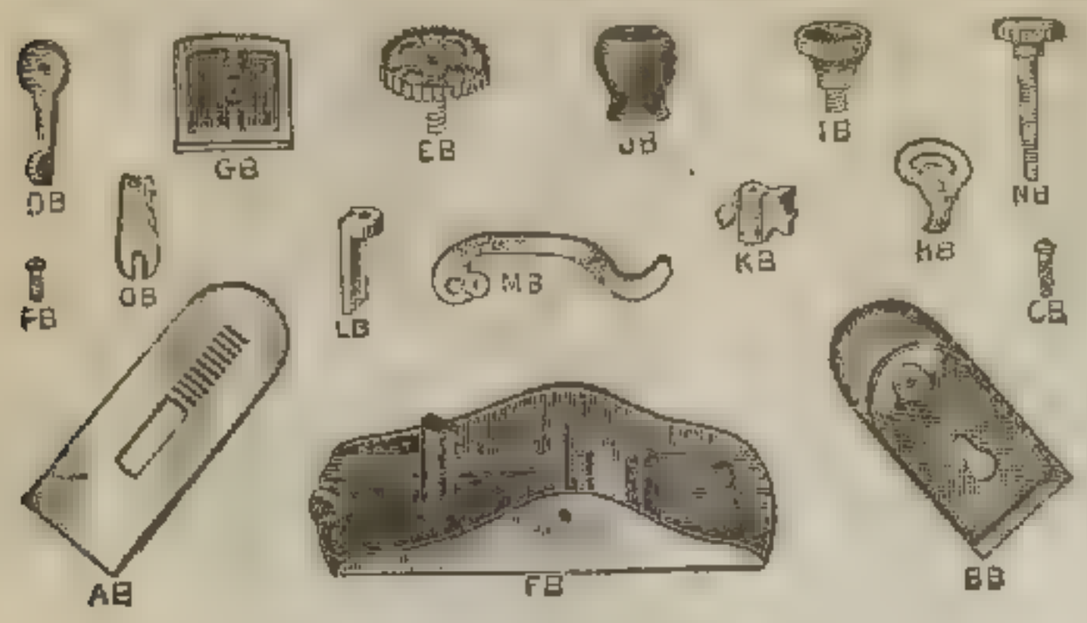
Ten Cents will be the Minimum Charge for Any Part Sent by Mail.



FOR DIAMOND EDGE BLOCK PLANES

PLANE IRON (AB)

For Planes	DE9½	DE15	DE X16	DE18	DE X60
Each	$0.42	.42	.42	.42	.42
	.70	.70	.70	.70	.70

For Planes	DE X65	DE X220	DE110	DE X130
Each	$0.42	.42	.32	.32
	.70	.70	.70	.70

For Planes	DL120	DE103	DE100	DE101
Each	$0.42	.21	.13	.13
	.70	.35	.20	.20

CAP ONLY (BB)

For Planes	DE9½	DE15	✣DE X16	DE X18	DE X60
Each	$0.20	.20	.30	.40	.30
	.30	.30	.50	.65	.50

For Planes	DE X65	DE X220	DE110	DE X130
Each	$0.40	.20	.10	.20
	.65	.30	.15	.30

For Planes	DE120	DE103	✣DE100	✣DE X101
Each	$0.20	.20	.10	.10
	30	.30	.15	.15

CAP SCREW (CB)

For Planes	✣DE9½	✣DE15	✣DE X16	✣DE X18
Each	$0.10	.10	.10	.10
	.15	.15	.15	.15

For Planes	✣DE X60	✣DE X65	✣DE X220
Each	$0.10	.10	.10
	.15	.15	.15

ADJUSTING NUT (EB)

For Planes	✣DE9½	✣DE15	✣DE X16	✣DE X18
Each	$0.20	.20	.20	.20
	.30	.30	.30	.30

For Planes	✣DE X60	✣DE X65	✣DE X220
Each	$0.20	.20	.20
	.30	.30	.30

FOR DIAMOND EDGE BLOCK PLANES

BOTTOM (FB)

For Planes	✣DE9½	✣DE15	✣DE X16	✣DE X18	✣DE X60
Each	$1.401	1.50	1.50	1.50	1.20
	2.30	2.40	2.40	2.40	2.00

For Planes	✣DE X65	✣DE X220	✣DE110	✣DE X130
Each	$1.50	.60	.50	.70
	2.40	.95	.80	1.10

For Planes	✣DE120	✣DE103	✣DE100	✣DE101
Each	$0.60	.40	.20	.20
	.95	.65	.30	.30

ECCENTRIC PLATE (HB)

For Planes	✣DE9½	✣DE15	✣DE X16	✣DE X18	✣DE X60	✣DE X65
Each	$0.20	.20	.20	.20	.20	.20
	.30	.30	.30	.30	.30	.30

IRON KNOB (IB)

For Planes	✣DE9½	✣DE15	✣DE X16	✣DE X18	✣DE X60	✣DE X65
Each	$0.20	.20	.20	.20	.20	.20
	.30	.30	.30	.30	.30	.30

WOOD KNOB (JB)

For Planes	✣DE X220	✣DE110	✣DE X130
Each	$0.30	.20	.20
	.50	.30	.30

ADJUSTING FROG (KB)

For Planes	✣DE X220
Each	$0.20
	.30

ADJUSTING FROG (LB)

For Planes	✣DE X60	✣DE X65
Each	$0.20	.20
	.30	.30

LATERAL LEVER (MB)

For Planes	✣DE9½	✣DE15	✣DEX18	✣DEX18
Each	$0.20	.20	.20	.20
	.30	.30	.30	.30

ADJUSTING SCREW (NB)

For Planes	✣DE9½	✣DE15	✣DE X16	✣DE X18
Each	$0.20	.20	.20	.20
	.30	.30	.30	.30

For Planes	✣DE X60	✣DE X65	✣DE X220
Each	$0.20	.20	.20
	.30	.30	.30

ADJUSTMENT DOG (OB)

For Planes	✣DE9½	✣DE15	✣DE X16	✣DE X18
Each	$0.10	.10	.10	.10
	.15	.15	.15	.15

LEVER SCREW (PB)

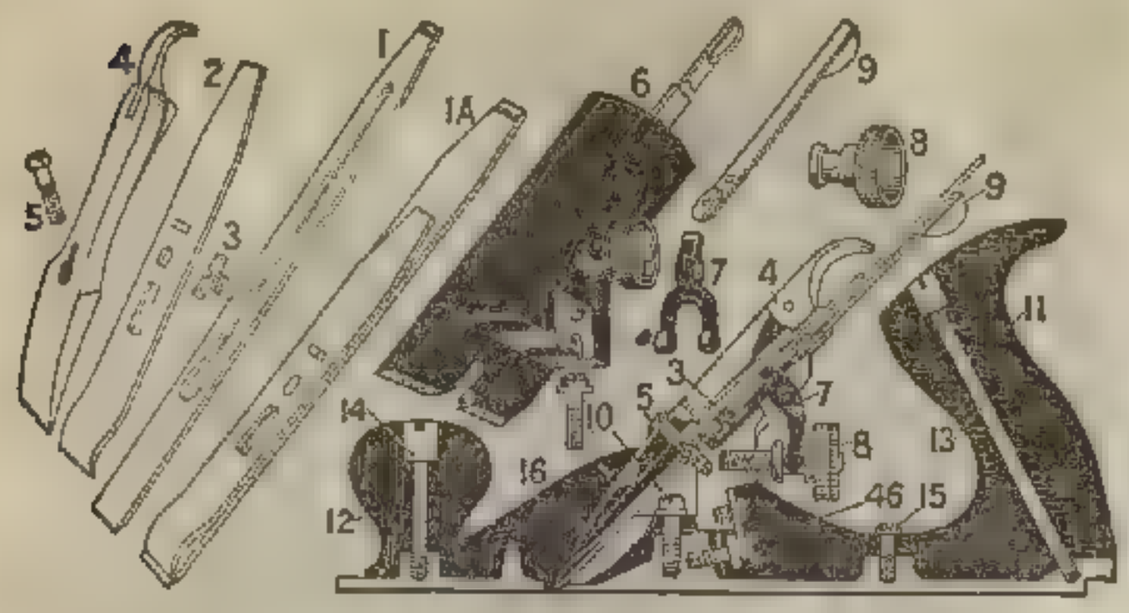
For Planes	✣DE9½	✣DE15	✣DEX16
Each	$0.10	.10	.10
	.15	.15	.15

For Planes	✣DE X18	DE X60	✣DE X65
Each	$0.10	.10	.10
	.15	.15	.15

Items Marked ✣ Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory, New Britain, Conn.

PLANE PARTS

When Ordering, Always Give Kind and Number of Plane for Which Part is Wanted, as Well as the Figure Number of the Part Wanted
Ten Cents will be the Minimum Charge for Any Part Sent by Mail



FOR BRIDGE AND BAILEY IRON PLANES

DOUBLE PLANE IRON (1A)

For Planes..	1	2	3	3C	4	4C
Each	$0 80	.85	.90	.90	.95	.95
	1.30	1 35	1.45	1.45	1 50	1 50
For Planes..	4½	4½C	5	5C	5½	5½C
Each	$1.20	1.20	.95	.95	1 10	1 10
	1.90	1.90	1.50	1.50	1.75	1.75
For Planes..	6	6C	7	7C	8	8C
Each	$1.20	1.20	1.20	1.20	1.30	1 30
	2.00	2 00	2.00	2.00	2 10	2 10

SINGLE PLANE IRON (1)

For Planes..	1	2	3	3C	4	4C
Each	$0 47	.50	.55	.55	.60	.60
	70	80	.90	.90	.95	.95
For Planes..	4½	4½C	5	5C	5½	5½C
Each	$0 7	75	.60	60	.70	.70
	1 20	1 20	.95	.95	1.10	1 10
For Planes	6	6C	7	7C	8	8C
Each	$0 75	75	75	.75	80	80
	1 20	1 20	1 20	1 20	1.30	1 30

PLANE IRON CAP (2)

For Planes	+1	2	3	3C	+4	+4C
Each	$0 35	35	.35	.35	35	.35
	.55	.55	.55	.55	.55	.55
For Planes	+4½	+4½C	5	5C	+5½	+5½C
Each	$0.45	.45	.35	.35	.40	.40
	.70	.70	.55	.55	.65	.65
For Planes	+6	+6C	7	7C	+8	+8C
Each	$0 45	.15	.45	.45	.50	.50
	.70	.70	.70	.70	.80	.80

CAP SCREW (3)

For Planes	+1	2	3	3C	+4	+4C
Each	$0.10	.10	.10	.10	.10	.10
	.15	.15	.15	.15	.15	.15
For Planes	+4½	+4½C	5	5C	+5½	+5½C
Each	$0 10	.10	.10	.10	.10	.10
	.15	.15	.15	.15	.15	.15
For Planes	6	6C	+7	+7C	+8	+8C
Each	$0.10	.10	.10	.10	.10	.10
	.15	.15	.15	.15	.15	.15

LEVER CAP (4)

For Planes	+1	2	3	3C	4	4C
Each	$0 50	.50	.50	.50	.50	.50
	.80	.80	.80	.80	.80	.80
For Planes	+4½	+4½C	5	5C	5½	5½C
Each	$0.50	.50	.50	.50	.50	.50
	.80	.80	.80	.80	.80	.80
For Planes	6	6C	7	7C	8	8C
Each	$0 50	.50	.50	.50	.50	.50
	80	.80	.80	.80	.80	.80

FOR BRIDGE AND BAILEY IRON PLANES

LEVER CAP SCREW (5)

For Planes	+1	+2	+3	+3C	+4	+4C
Each	$0..0	.10	.10	.10	.10	.10
	15	.15	.15	.15	15	.15
For Planes	+4½	+4½C	5	5C	+5½	+5½C
Each	$0 10	.10	.10	.10	.10	.10
	15	.15	.15	.15	.15	.15
For Planes	+6	+6C	+7	+7C	+8	+8C
Each	$0 10	.10	.10	.10	.10	.10
	15	.15	.15	.15	.15	.15

FROG COMPLETE (6)

Specify Old or New Style

For Planes	+1	+2	+3	+3C	+4	+4C
Each	$0 70	.70	.70	.70	.70	.70
	1.10	1.10	1.10	1 10	1.10	1.10
For Planes	+4½	+4½C	5	5C	+5½	+5½C
Each	$0 70	.70	.70	.70	.70	.75
	1.10	1.10	1.10	1 10	1.10	1.10
For Planes	+6	+6C	+7	+7C	+8	+8C
Each	$0.70	.70	.70	.70	.70	.70
	1 10	1 10	1.10	1.10	1 10	1.10

Y ADJUSTING LEVER (7)

For Planes	+1	+2	+3	+3C	+4	+4C
Each	$0 10	.10	.10	.10	.10	.10
	15	15	15	.15	.15	.15
For Planes	+4½	+4½C	5	5C	+5½	+5½C
Each	$0.10	.10	.10	.10	.10	.10
	.15	.15	.15	.15	.15	15
For Planes	+6	+6C	+7	+7C	+8	+8C
Each	$0 10	.10	.10	.10	.10	.10
	.15	.15	.15	.15	.15	.15

ADJUSTING NUT (8)

For Planes	+1	+2	+3	+3C	+4	+4C
Each	$0.20	.20	.20	.20	.20	.20
	30	.30	.30	.30	.30	.30
For Planes	+4½	+4½C	+5	+5C	+5½	+5½
Each	$0.20	.20	.20	.20	.20	.20
	.30	.30	.30	30	.30	.30
For Planes	+6	+6C	+7	+7C	+8	+8C
Each	$0.20	.20	.20	.20	.20	.20
	.30	.30	.30	.30	.30	.30

LATERAL ADJ. LEVER (9)

For Planes	+1	+2	+3	+3C	+4	+4C
Each	$0.20	.20	.20	.20	.20	.20
	.30	.30	.30	.30	.30	.30
For Planes	+4½	+4½C	+5	+5C	+5½	+5½
Each	$0.20	.20	.20	.20	.20	.20
	.30	.30	.30	.30	.30	30
For Planes	+6	+6C	+7	+7C	+8	+8C
Each	$0.20	.20	.20	.20	.20	.20
	.30	.30	.30	.30	.30	.30

FROG SCREW (10)

For Planes	+1	+2	+3	+3C	+4	+4C
Each	$0 10	.10	.10	.10	.10	.10
	.15	.15	.15	.15	.15	.15
For Planes	+4½	+4½C	+5	+5C	+5½	+5½C
Each	$0.10	.10	.10	.10	.10	.10
	.15	.15	.15	.15	.15	.15
For Planes	+6	+6C	+7	+7C	+8	+8C
Each	$0.10	.10	.10	.10	.10	.10
	.15	.15	.15	.15	.15	.15

PLANE HANDLE (11)

For Planes	+1	+2	+3	+3C	4+	+4C
Each	$0.40	.40	.40	.40	.40	.40
	.65	.65	.65	.65	.65	.65
For Planes	+4½	+4½C	5	5C	+5½	+5½C
Each	$0.40	.40	.40	.40	.40	.10
	65	.65	.65	.65	.65	.65
For Planes	+6	+6C	+7	+7C	+8	+8C
Each	$0.40	.40	.40	.40	.40	.40
	65RD	.65	.65	.65	.65	.65

(Continued on Page 130)

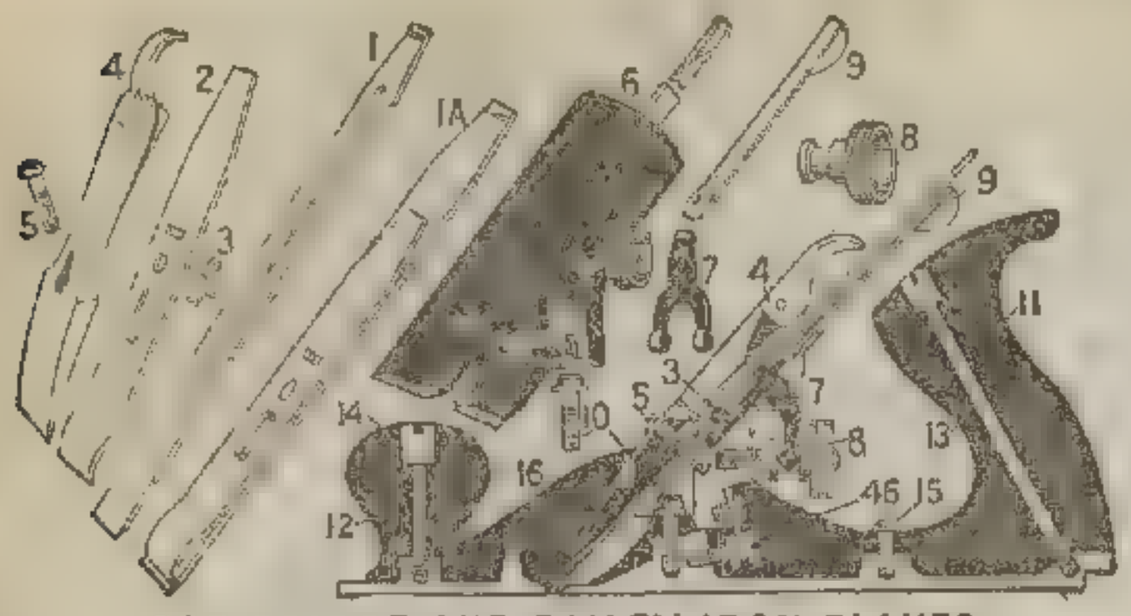
Items Marked + Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory, New Britain, Conn.

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE.

PLANE PARTS

When Ordering, Always Give Kind and Number of Plane for Which Part is Wanted, as Well as the Figure Number of the Part Wanted

Ten Cents will be the Minimum Charge for Any Part Sent by Mail



FOR BRIDGE AND BAILEY IRON PLANES

(Continued from Page 129)

PLANE KNOB (12)

For Planes..	†1	†2	†3	†3C	4	4C
Each.....	$0.30	.30	.30	.30	.30	.30
	.50	.50	.50	.50	.50	.50
For Planes.	**†4½**	**†4½C**	**5**	**5C**	**†5½**	**†5½C**
Each.....	$0.30	.30	.30	.30	.30	.30
	.50	.50	.50	.50	.50	.50
For Planes.	**†6**	**†6C**	**†7**	**†7C**	**†8**	**†8C**
Each.....	$0.30	.30	.30	.30	.30	.30
	50	50	.50	.50	.50	.50

HANDLE, BOLT AND NUT (13)

For Planes.....	†1	†2	†3	†3C	†4	†4C
Each.....	$0 20	.20	.20	.20	.20	.20
	.30	30	.30	.30	.30	.30
For Planes.	**†4½**	**†4½C**	**5**	**5C**	**†5½**	**†5½C**
Each.....	$0.20	.20	.20	.20	.20	.20
	30	.30	.30	.30	.30	.30
For Planes .	**†6**	**†6C**	**†7**	**†7C**	**†8**	**†8C**
Each.....	$0.20	.20	.20	.20	.20	.20
	30	.30	.30	.30	.30	.30

KNOB, BOLT AND NUT (14)

For Planes..	†1	†2	†3	†3C	†4	†4C
Each.....	$0 20	.20	0 20	.20	0.20	0.20
	30	30	30	.30	0.30	30
For Planes...	**†4½**	**†4½C**	**†5**	**†5C**	**†5½**	**†5½C**
Each.....	$0.20	.20	.20	20	.20	.20
	.30o	.30	.30	.30	.30	.30
For Planes....	**†6**	**†6C**	**†7**	**†7C**	**†8**	**†8C**
Each.....	$0.20	.20	.20	.20	.20	.20
	80	.30	.30	.30	.30	.30

PLANE HANDLE SCREW (15)

For Planes.....	†4½	†4½C	†5	†5C	†5½	†5½C
Each.....	$0.10	.10	.10	.10	.10	.10
	15	.15	.15	.15	.15	.15
For Planes	**†6**	**†6C**	**†7**	**†7C**	**†8**	**†8C**
Each.....	$0 10	.10	.10	.10	.10	.10
	.15	.15	.15	.15	.15	.15

PLANE BOTTOM (16)

Specify Old or New Style

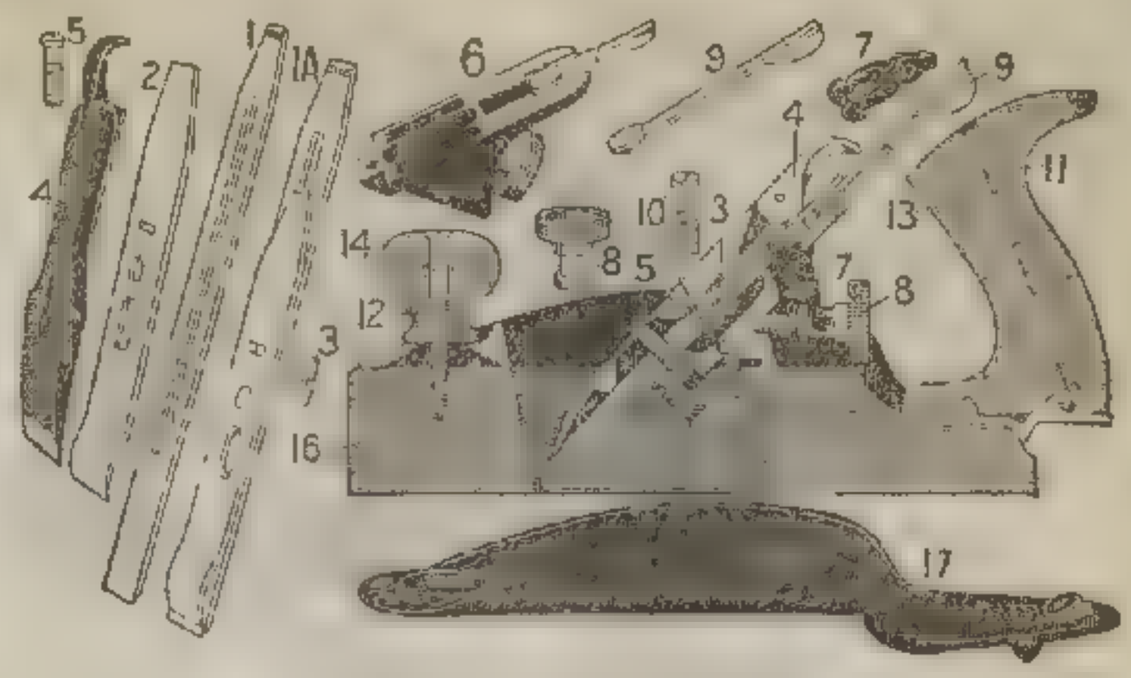
For Planes.....	†1	†2	†2C	†3	†3C	†4	4C
Each.....	$1 70	1.70	1.70	2.00	2 00	2.00	2 00
	2 80	2 80	2 80	3 20	3 20	3 20	3 20

For Planes	†4½	†4½C	†5	†5C	†5½	†5½C
Each.	$2.40	2 40	2.40	2.40	.2.40	2.40
	3 00	3.90	3 80	3.90	3 90	3.90

For Planes .	†6	†6C	†7	†7C	†8	†8C
Each.. ...	$3. 0	3.30	4.70	4.70	5.70	5.70
	5 30	5.30	7.60	7.60	9.20	9.20

FROG ADJUSTING SCREW 46)

For Planes . .	†1	†2	†2C	†3	†3C	†4	†4C
Each.. ...	$0.10	.10	.10	.10	.10	.10	.10
	15	15	.15	15	.15	.15	.15
For Planes .	**†4½**	**†4½C**	**†5**	**†5C**	**†5½**	**†5½C**
Each... .	$0.10	.10	10	10	.10	.10
	.15	15	15	15	.15	.15
For Planes	**†6**	**†6C**	**†7**	**†7C**	**†8**	**†8C**
Each.....	$0 10	10	.10	.10	.10	.10
	.15	.15	.15	.16	.15	.15



FOR BAILEY WOOD PLANES

DOUBLE PLANE IRON (1A)

For Planes.....	22	24	35
Each.....	$0.90	.95	95
	1.45	1 50	1 50

For Planes...	26	27	27½	28	29	30
Each.....	$0.95	1.00	1.10	1.20	1.20	1 10
	1.50	1.60	1.75	2.00	2 00	2.00
For Planes						32
Each..					$1 20	1.30
					2.00	2.10

SINGLE PLANE IRON (1)

For Planes				22	24	35
Each.				$0 ..	.60	.60
				90	.95	.95

For Planes .. .	26	27	27½	28	29	30
Each	$0 60	.65	.7	.75	.75	.75
	95	1 05	1 10	1 20	1.20	1.20

For Planes,.....	31	32
Each.....	$0.75	.80
	1 20	1.30

PLANE IRON CAP (2)

For Planes.....	†22	†24	†35
Each.	$0.35	.35	.35
	55	.55	55

For Planes .	†26	†27	†27½	†28	†29	†30
Each	$0 45	. 5	.60	.65	.65	.45
	55	55	.65	.70	70	.70

For Planes	†31	†32
Each.....	$0.1.	.50
	.70	.80

CAP SCREW (3

For Planes.	†22	†24	†25	†35
Each..... ..	$0 10	10	.10	.10
	15	.15	15	.15

For Planes	†20	†27	†27½
Each.	$0.10	..0	.10
	15	.15	15

For Planes	†31	†32
Each.....	$0. .0	.10
	.15	.15

LEVER CAP (4)

For Planes	†22	†24	†25	†35
Each.....	$0.40	.10	40	.40
	65	65	65	.65

For Planes	†26	†27	†27½
Each.	$0 40	.40	.40
	.65	.65	.65

For Planes	†31	†32
Each.....	$0.40	40
	65	65

(Continued on Page 131)

Items Marked † Not carried in Stock; Can Only be Furnished by Shipping Direct from Factory, New Britain, Conn.

LIFTING AND LOWERING JACKS

BARRETT PATTERN AUTOMATIC LOWERING

Heavy Malleable Iron Base and Stand; Drop Forged Steel; Machine Cut Ratchet Bar; Drop Forged High Carbon Steel Pawls; High Carbon Rolled Steel Fulcrum Pins; Hardened Steel Bearings; Selected Hardwood Lever Handles; The Operation is Easy and Simple; The Load is Moved at Each Up or Down Stroke of the Lever, either in Raising or Lowering the Load; The Direction is Controlled by Turning the Eccentric at the Side of Frame; They Have No Trip Consequently cannot Drop a Load through Carlessness. Provided with a Foot near the Base to Grapple with Low Load; Operates at any Angle.

Emergency Jack, Especially Designed and Intended for Use on Street Cars in case of Breakdown or Derailment. Is also a Splendid General Purpose Jack.

Provided with a Grooved Top and Ribs on the Bottom of the Base.

Each

†No. BA22—10 Tons; Height Down 18½ inches; Lift 8 inches; Height Bar Raised 26½ inches; Ratchet Bar 1½x1⅝ inches; Weight Each 66 lbs..... $30.00 25.00

Loose

For General Purpose Lifting; Used by Steam and Electric Car Lines in Track Construction, Breakdowns and Derailment, where Cars have to be Lifted Quickly and Lowered Gradually. Is a Most Popular and Useful Jack.

Each

No. BA2—10 Tons; Height Down 21 inches; Lift 10 inches; Height Bar Raised 31 inches; Ratchet Bar 1⅝x1½ inches; Weight Each 65 lbs..... $31 50

Loose

For Lifting Heavy Machinery and Grappling Low Set Loads and Raising them to Full Range of Jack.

Each

No. BA3—12 Tons; Height Bar Down 26½ inches; Lift 15 inches; Height Bar Raised 41½ inches; Ratchet Bar 1½x1⅝ inches; Weight Each 85 lbs..... $38.00

Loose

LIFTING AND LOWERING JACKS

BARRETT PATTERN AUTOMATIC LOWERING

Heavy Malleable Iron Base and Stand; Drop Forged Steel; Machine Cut Ratchet Bar; Drop Forged High Carbon Steel Pawls; High Carbon Rolled Steel Fulcrum Pins; Hardened Steel Bearings; Selected Hardwood Lever Handles; The Operation is Easy and Simple; The Load is Moved at Each Up or Down Stroke of the Lever, either in Raising or Lowering the Load; The Direction is Controlled by Turning the Eccentric at the Side of Frame; They Have No Trip Consequently cannot Drop a Load through Carelessness. Provided with a Foot near the Base to Grapple with Low Load.

One of the Most Substantial and Powerful Jacks Made. Its Broad Base and Heavy Body Indicate it is Constructed for Heavy Service. The Frame and Bar are Both Unusually Heavy, with all Working Parts in Proportion.

Each

†No. BA4—15 Tons; Height Down 22 inches; Lift 10 inches; Height Bar Raised 32 inches; Ratchet 2 x 2 inches; Weight Each, 100 lbs..... $42.00 35.00

Loose

This Jack is Heavier and has a Greater Range than any Other of its Class; Has a Very Rigid Standard with a Broad Base, and on Account of its Height, Permits of Reaching High as well as Low Loads.

Each

†No. BA5—15 Tons; Height Down 28 inches; Lift 15 inches; Height Bar Raised 43 inches; Ratchet Bar 2x2 inches; Weight Each, 115 lbs..... $48.00 40.00

Loose

Especially Intended for Car Repairing; is Staunch and well built; Tall Enough for any Requirements, and not Easily Deranged.

Each

†No. BA19—15 Tons; Height Bar Down 28 inches; Lift 17½ inches; Height Bar Raised 45½ inches; Ratchet Bar 2x2 inches; Weight Each 102 lbs..... $42.00 35.00

Loose

Items Marked † Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory, Alliance, Ohio.

CUTTER MATTOCKS

*DIAMOND EDGE

Adze Eye; Highest Grade Steel; Polished Oil Tempered Blades and Bits; Hand Forged and Tapered to give Strength and Ease in Sharpening; Painted Blue Body.

*DIAMOND EDGE

TRADE MARK REGISTERED — IN THE U. S. PAT. OFFICE.

Per Dozen

No. DEL—Long Cutter; Weight Each 6 lbs.; Width of Hoe 4¼ inches; Width of Cutter 3 inches; Length Over All 17 inches; Weight per Case 165 lbs..... **$17.20**

No. DES—Short Cutter; Weight Each 5½ lbs.; Width of Hoe 4¼ inches; Width of Cutter 3 inches; Length Over All 16 inches; Weight per Case 155 lbs..... **16.80**

No. DEJ—Junior; Weight Each, 3 lbs; Width of Hoe 3 inches; Width of Cutter 2½ inches; Length Over All 13 inches; Weight per Case 90 lbs..... **16.40**

Loose

*BRIDGE

Adze Eye; Solid Steel of Proper Hardness for Efficient Usage; Tempered Blades and Bits; Polished, Painted Red Body.

Per Dozen

No. BL—Long Cutter; Weight Each, 6 lbs.; Width of Hoe 4¼ inches; Width of Cutter 3 inches; Length Over All 17 inches; Weight per Case 165 lbs. **$17.50**

No. BS5—Short Cutter; Weight Each, 5 lbs.; Width of Hoe 3½ inches Width of Cutter 2½ inches; Length Over All 14½ inches; Weight per Case 140 lbs. ... **16.50**

No. BS4—Short Cutter; Weight Each, 4 lbs ; Width of Hoe 3¼ inches; Width of Cutter 2½ inches; Length Over All 14 inches; Weight per Case 115 lbs..... **16.50**

No. BS3—Short Cutter; Weight Each, 3 lbs.; Width of Hoe 3 inches; Width of Cutter 2½ inches; Length Over All 13 inches; Weight per Case, 90 lbs..... **16.50**

Loose

STANDARD

Adze Eye; Solid Steel Black; Japanned Finish Body; Bevels Polished; Tempered Blades and Bit.

Per Dozen

No. SL—Long Cutter; Weight Each, 5 lbs.; Width of Hoe 3½ inches, Width of Cutter 2½ inches; Length Over All 16 inches; Weight per Case 140 lbs.....**$14 60**

No. SS5—Short Cutter; Weight Each,5 lbs.; Width of Hoe 3½ inches; Width of Cutter 2½ inches; Length Over All 14½ inches; Weight per Case 140 lbs..... **14.60**

No. SS4—Short Cutter; Weight Each, 4 lbs.; Width of Hoe 3¼ inches; Width of Cutter 2½ inches; Length Over All 14 inches; Weight per Case 115 lbs..... **14 60**

No. SS3—Short Cutter; Weight Each, 3 lbs.; Width of Hoe 3 inches; Width of Cutter 2½ inches; Length Over All 13 inches; Weight per Case 90 lbs..... **14.60**

Loose

PICK MATTOCKS

*DIAMOND EDGE

TRADE MARK REGISTERED — IN THE U. S. PAT. OFFICE.

Highest Grade Steel; Oil Tempered Blades and Polished Bits; Painted Blue Body.

Per Dozen

No. DEP—Adze Eye; Weight Each, 6 lbs.; Width of Hoe 4¼ inches; Length of Pick 8½ inches; Length Over All 20 inches; Weight per Case 170 lbs.....**$17.20**

Loose

PICK MATTOCKS

*BRIDGE

Adze Eye; Solid Steel of Proper Hardness for Efficient Usage; Tempered Blades and Bits; Polished; Painted Red Body.

Per Dozen

No. BP—Adze Eye; Weight Each, 5 lbs.; Width of Hoe 4¼ inches; Length of Pick 8½ inches; Length Over All 20 inches; Weight per Case, 145 lbs.. **$16.50**

Loose

GRUB HOES

*DIAMOND EDGE

Adze Eye; Highest Grade Steel; Polished Oil Tempered Blades and Bits; Hand Forged and Tapered to Give Strength and Ease in Sharpening; Painted Blue Body.

*DIAMOND EDGE

TRADE MARK REGISTERED — IN THE U. S. PAT. OFFICE.

Nos.	DE0	DE1	DE2
Weight, lbs.	3	3½	4
Width Bit, Inches	3⅛	3¾	4
Length, inches	10½	10⅞	11¼
Weight per Case, lbs.	84	96	105
Per Dozen	$14 00	14 50	15.00

Two Dozen in a Case

*BRIDGE

Adze Eye; Solid Steel of Proper Hardness for Efficient Usage; Tempered Blades and Bits; Polished; Painted Red Body.

Nos.	B0	B1	B2
Weight, lbs.	3	3	4
Width Bit, inches	3⅛	3¾	4
Length, inches	10½	10¾	11¼
Weight per Case, lbs.	84	96	105
Per Dozen	$14.00	14 50	15.00

Two Dozen in a Case

STANDARD

Adze Eye; Solid Steel Black Japanned Finish Body; Bevels Polished; Tempered Blades and Bits.

Nos.	0	1	2
Weight, lbs.	3	3½	4
Width Bit, inches	3⅛	3¾	4
Length, inches	10½	10¾	11¼
Weight per Case, lbs.	84	96	105
Per Dozen	$11.20	11.80	12.00

Two Dozen in a Case

DRIFTING PICKS

STANDARD

Verona Pattern

Adze Eye; Cast Steel, Oil Finish.

Nos.	2	3	4
Weight, lbs.	4	4½	5
Length, inches	21	21	23
Weight per Case, lbs.	120	130	135
Per Dozen	$12.40	13.20	14.20

Two Dozen in a Case

TRADE MARK REGISTERED IN THE U S PAT OFFICE.

✠BICYCLE NAME PLATES

These Plates are Made from the Best Grade Material and the Highest Class of Dies The Plating and Finishing are Unexcelled for the Reason That Our Appliances and Workmanship are Set to the Highest Possible Standard of Excellence, Uniformity and Neatness.

FINISH:—Gold Plate; Silver Plate; Oxidized Silver; Bronzed and Shaded.

Style M
One of the Latest Designs; Very Neat and Attractive; Looks Well on Any Bicycle.

Style L
Another New and Attractive Design; Especially Attractive on a Short Head Machine.

Style E

Style E
A Very Small Shield Especially Attractive on a Short Head Bicycle.

Style N

Style N
A Very Artistically Modeled Plate, One of Our Most Exclusive Patterns

Style J

Style J
Another New and Attractive Design That Will Look Well in Any Finish

Style A

Style A
Another Neat and Attractive Plate with Modeled Border and Raised Letters.

Style G

Style G
A Very Neat and Simple Design Especially Intended for Machines with a Long Head.

25 Plates	$26.00
50 Plates	35 50
100 Plates	46 00
200 Plates	66 00
300 Plates	88.00

Weight per 100, About 3½ lbs.

EXTRA FOR GOLD PLATING

100 Plates	$12.30

EXTRA FOR NICKEL PLATING

100 Plates	6.00

EXTRA FOR ENAMELED NAME

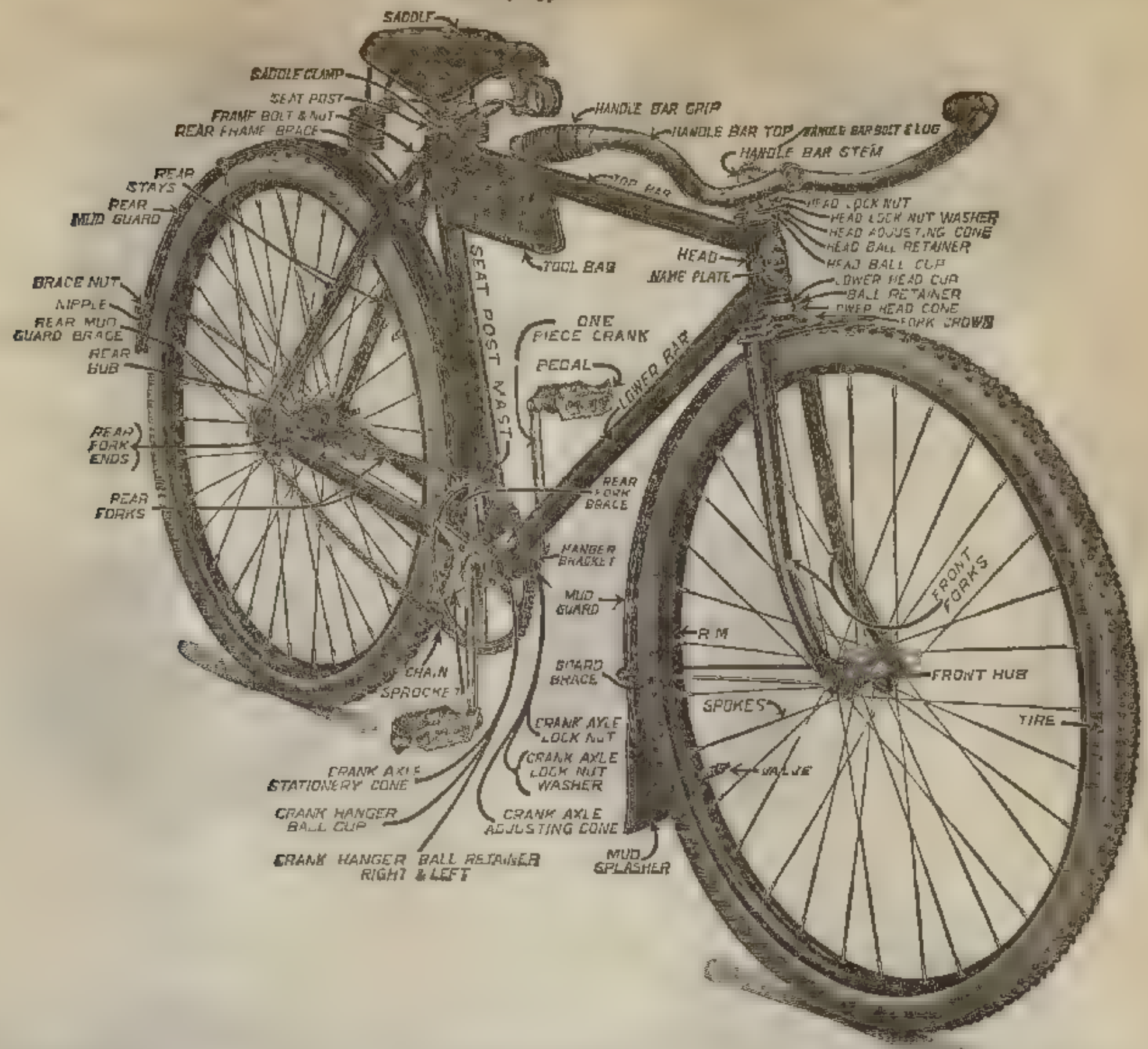
100 Plates	7,50

Loose

Items Marked ✠ Not Carried in Stock; Can Only Be Furnished By Shipping Direct From Factory

DIAGRAM OF BICYCLE WITH ALL COMPONENT PARTS INDICATED BY THEIR PROPER NAMES

"ORIGINATED BY US"



THIS DIAGRAM IS INTENDED AS A GUIDE WHEN ORDERING REPAIRS TO ANYONE NOT FAMILIAR WITH THE NAMES AND LOCATIONS OF THE DIFFERENT PARTS OF A BICYCLE. THE OBJECT IS ALSO TO AVOID LENGTHY DESCRIPTIONS OF PARTS WHEN ORDERING. THIS WILL BE A READY HELP TO THE DEALER, AND WILL SAVE MUCH TIME AND TROUBLE.

FOR COMPLETE LISTS OF PARTS FOR ALL MODELS OF OUR BICYCLES, GIVING NAMES AND NUMBERS, SEE PAGES 2431-2432

OPTIONAL NAME PLATES FOR TRADE USE
RUGBY, VASSAR, SHAPLEIGH SPECIAL, DIAMOND WONDER { NONPAREIL

BICYCLE GUARANTEE

We Agree with the Purchaser of Each Bicycle, to Make Good, By Repairs or Replacements, **When Delivered at Our Store, Transportation Prepaid,** Any Imperfection or Defect in Material or Manufacture of Our Rugby, Shapleigh Special and Wonder Bicycles **Not Caused by Mis use or Neglect.** Provided that All Imperfections or Defective Parts Shall be Referred to Us Before Any Claim for Repair or Replacement Shall be Allowed.

This Guarantee Continues in Effect to December 31st Following Date of Purchase.

TIRE GUARANTEE

We Guarantee Speed, Rugby, Good Service and Shapleigh Special to be Perfect in Workmanship and Material, and if Any Defect Should Develop Within the Season in Which They are Purchased of Us, We Will Repair or Replace Without Charge, Provided that They are **Returned to Us Charges Prepaid.** This Guarantee Does not Cover **Punctures, Damages or Torn Valve Stems Caused by Accident or Negligence** of the Rider.

This Guarantee **Expires in Any Event on December 31st, of the Year in Which They are Purchased.**

Factory Brand Tires are Guaranteed by the Manufacturers, and are Subject to the Same Conditions, Except They Must be Returned, **Charges Prepaid, Direct to the Factory That Made Them, for Their Inspection and Approval.**

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE

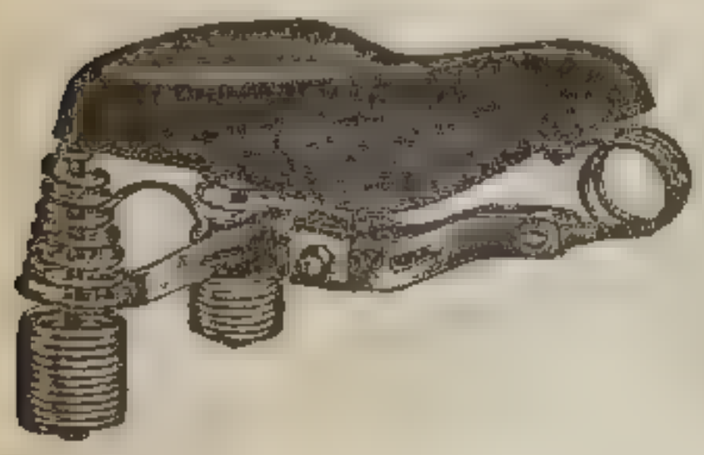
BICYCLE SADDLES

★RUGBY

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE

"ORIGINATED BY US"

Our Rugby Saddles are Unequalled; They Have Proven Their Durability and Their Popularity to the Satisfaction of Both Dealers and Riders; They Combine the Best of Material Obtainable; Russet Leather Cover; Hair Felt Padding; Wooden Base; Best of Springs of the Various Styles and Clamps.



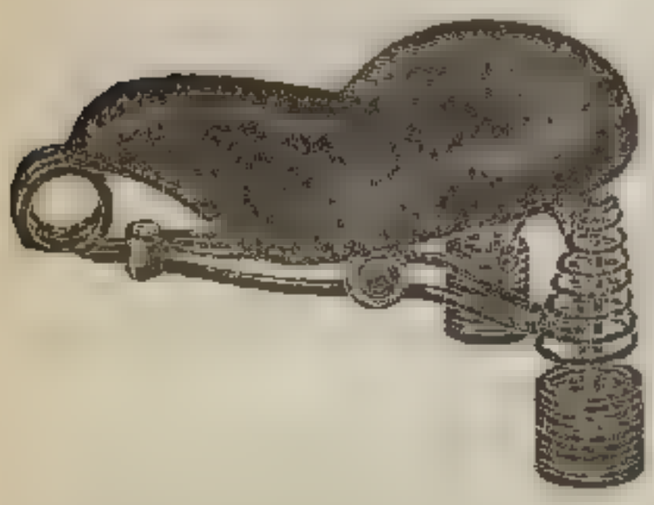
MOTOR BIKE

Stamped Steel Frame and Trusses; Cushion Springs Combined With the Universal Spring; All Finished in Black Enamel; has Universal Clamp; Waterproof Elkgrain Leather Top; Well Padded With Hair Felt; An Extra Heavy Saddle; Strong and Durable; Length, 10½ inches; Width, 8½ inches.

Each

No. 20R—Weight, 4½ lbs **$4 00**

Loose



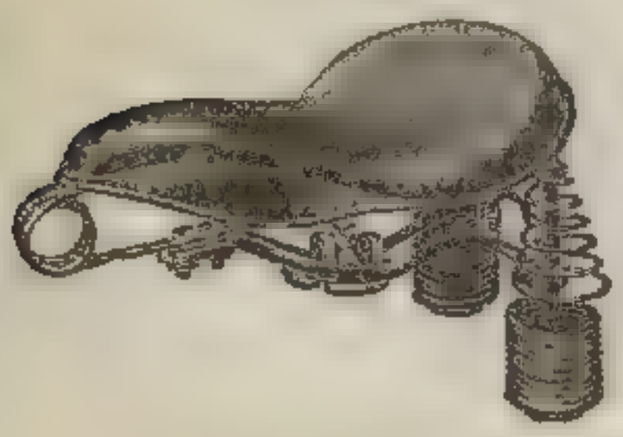
SPEED

Stamped Steel Frame and Trusses; Easy Springs Combined With Universal Cone Springs; All Finished in Black Enamel; Top is Hair Padded and Formed to Fit Over a 6 Ply Wood Veneer Base; Spanish Leather; Length, 11 inches; Width, 9 inches.

Each

No. 25R—Double Spring; Weight, 4 lbs. **$3 30**

Loose



TOP-NOTCH

Stamped Steel Frame and Trusses; Cushion Springs, Combined With Universal Cone Springs; Black Enameled; Hair Padded; Formed to Fit Over Wood Veneer Base; Spanish Leather; Length, 10½ inches; Width, 8½ inches.

Each

No. 27R—Single Spring; Weight, 3 lbs. **$2 70**

Loose

TROXEL

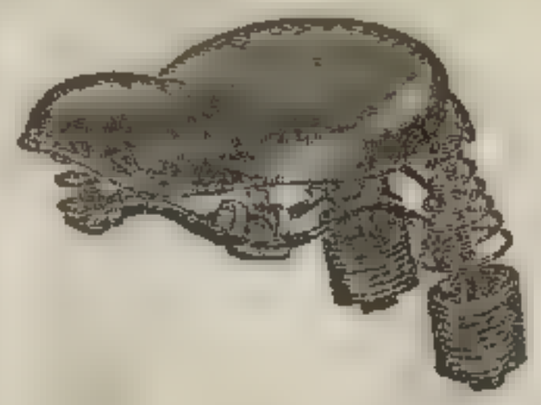
TIP TOP

Stamped Steel Frame and Trusses; Cushion Springs Combined With Universal Spring, All Finished in Black Enamel; English Russet Leather Top, Length of Seat, 10⅜ inches; Length Over All, 1 inches; Width, 7¾ inches.

Each

No. Tip Top—Weight, 3¼ lbs **$2 90**

Loose



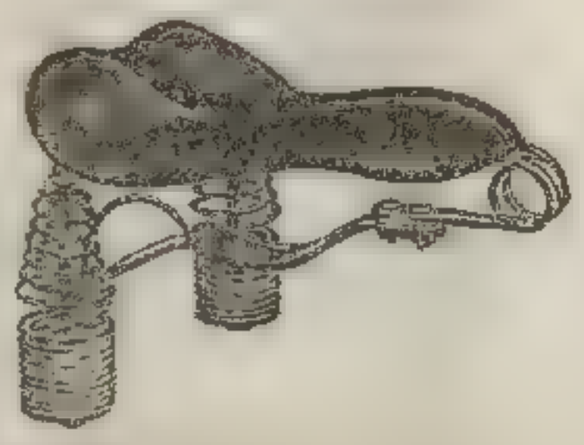
LADIES

Waterproof Elkgrain Leather; Stamped Steel Frame and Trusses; Stamped Springs Combined With Universal Cone Springs; Black Enameled; Top Hair Padded, Formed Over Wood Base; Length, 8 inches; Width, 8½ inches.

Each

No. 09RC—Single Spring; Weight, 3 lbs. **$2 90**

Loose



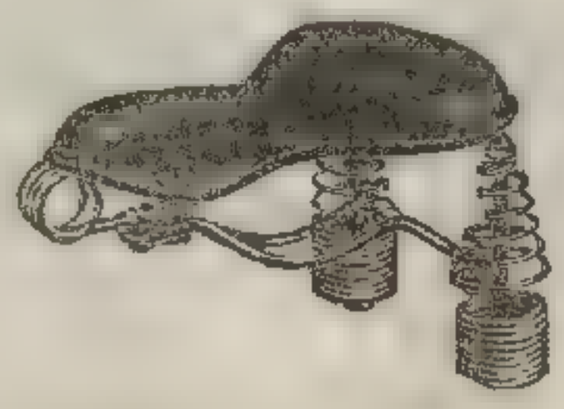
SPECIAL

Waterproof Elkgrain Leather-Covered; Hair Felt Padded: High Back Wood Base; Cushion Comfort Springs; Nickel Plated; Length of Seat, 10 inches; Length Over All, 11 inches; Width, 7¾ inches.

Each

No. 62R—Weight, 3½ lbs **$2.70**

Loose



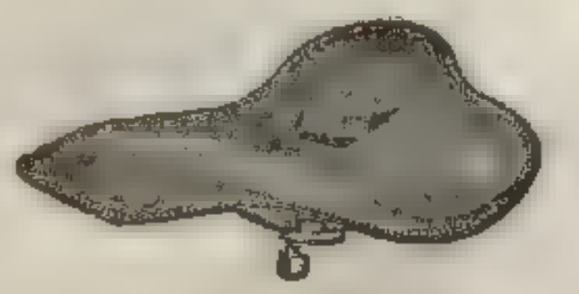
JUVENILE

Waterproof Elkgrain Leather-Covered; Hair Felt-Padded; Wood Base; Cushion Comfort Springs, Nickel Plated; Length Over All, 10 inches; Width, 8 inches.

Each

No. 40RP—Weight, 3 lbs. **$2.40**

Loose



GENTS

Nickel Plated Truss Spring; Waterproof Elkgrain Leather Covered Wood Base; Length, 9¼ inches; Width, 7½ inches.

Each

No. 10R—Weight, 1¼ lbs **$1.40**

Loose

TROXEL

EAGLE

Stamped Steel Base; Truss Spring Nickel Plated Spring Clamp, English Russet Leather Top; a Neat and Attractive Saddle at a Moderate Price; Length of Seat, 10½ inches; Width, 7¼ inches.

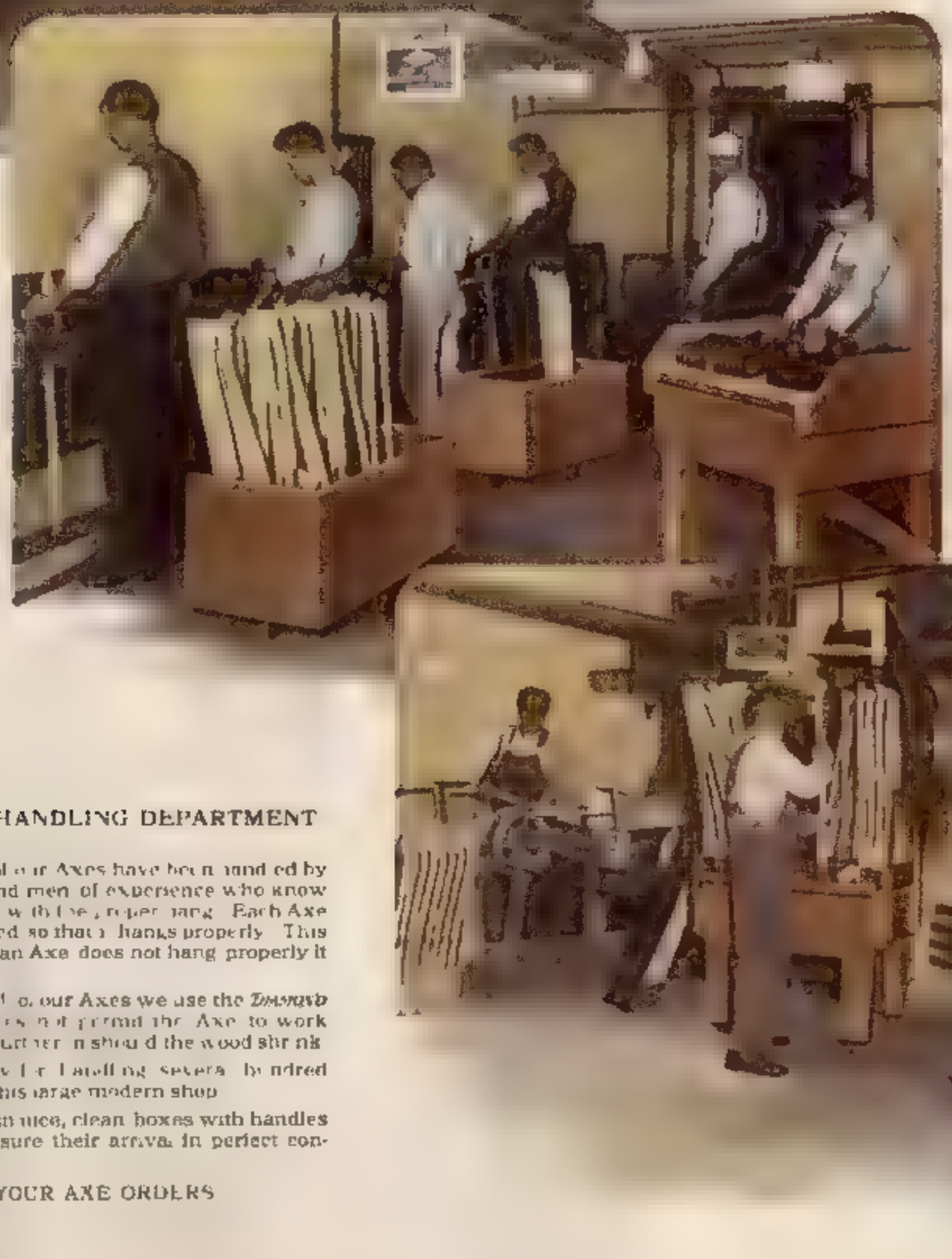
Each

No. Eagle Racer—Weight, 1⅛ lbs. **$2 70**

Loose

VIEWS OF OUR AXE HANDLING DEP'T.

OUR WEDGE



READY FOR SHIPMENT

A MODERN AXE HANDLING DEPARTMENT

For many years all of our Axes have been handled by up-to-date machinery and men of experience who know the art of handling Axes with the proper hang. Each Axe is gauged as it is handled so that it hangs properly. This is very important for if an Axe does not hang properly it cannot cut properly.

In the handling of all of our Axes we use the *Diamond Edge* Wedge which does not permit the Axe to work loose. It can be driven further in should the wood shrink.

We have a capacity for handling several hundred dozen Axes per day in this large modern shop.

All Axes are put up in nice, clean boxes with handles carefully wrapped to insure their arrival in perfect condition.

SEND US YOUR AXE ORDERS

"DIAMOND EDGE IS A QUALITY PLEDGE"

DIAMOND EDGE PLANES

No. DE 5

Shapleigh National Series No. 1667. Above plate used in our National Advertising Campaign.

AUTOMOBILE CLOCKS

SHAPLEIGH HARDWARE CO.

*ON TIME

These Clocks are Made of the Best Grade of Mareriais and are Very Handsome in Appearance and Workmanship; Very Strong and Durable; Built Especially to Withstand the Hard Usage and Vibration of Automobile Travel; Easily Attached to Dash by Three Wood Screws, and Contain Very High Grade Thoroughly Tested Movements.

For Use on Straight Dash Board

Fine 30 Hour Movement, with Second Hand; Rim Wind and Set, Cases Finished in Nickel and Black Enamel with Nickel Rim; 2½ inch White Porcelain Dial; Height, 3½ inches; Width, 3 inches. Heavy Plate Glass Crystal; Weight Each, 13 oz.

Each

No. 3BN—Black Enamel with Nickel Rim..... **$4 50**
One in a Box

Eight Day Movement, with Convenient Outside Wind and Set; Case Finished in Black Enamel with Nickel Rim; 2½ inch White Porcelain Dial with Second Hand; Height, 3½ inches; Width, 2⅞ inches; Heavy Plate Glass Crystal, Weight Each, 20 ozs.

Each

No. 4BN—For Cowl Board; Black Enamel with Nickel Rim..... **$7 50**
One in a Box

These Clocks are Dust and Moisture Proof Vibration Does Not Affect Their Time Keeping Quality Weight Each, 15 ozs.

Each

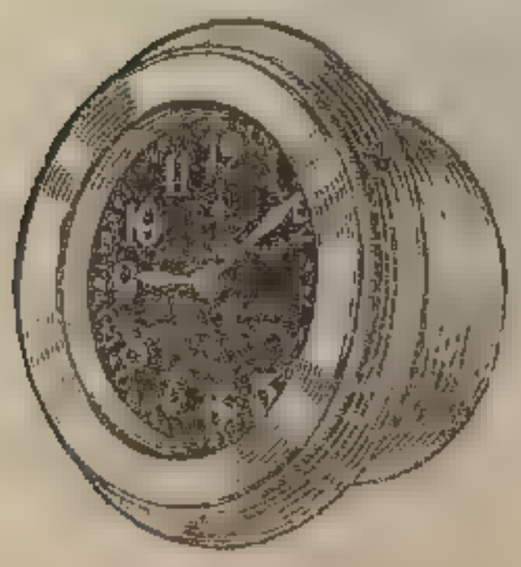
No. 6N—30 Hour Movement; Otherwise Same as No. 5N; Nickel Plated Case..... **$5 50**
One in a Box

The Same Eight Day Movement is Used in This Clock as is Used in the No. 4BN Furnished in Nickel Plated Finish Extreme Width, 3½ inches; 3 inches Deep; 2¼ inch Dial with Second Hand; Heavy Plate Glass Crystal; Weight Each, 15 ozs.

Each

No. 5N—For Dash Board; Nickel Plated Case..... **$7.50**
One in a Box

PHINNEY-WALKER



Eight Day Movement, Rim Wind and Set. All Nickel Plated Case; 2¼ inch Porcelain Dial, with Second-Hand; Height, 3¾ inches; Width, 3¾ inches; Heavy Plate Glass Crystal.

Each

No. MANHATTAN—Weight Each, 2 lbs..... **$18 00**
One in a Box

AUTOMOBILE CLOCKS

PHINNEY-WALKER

Eight Day Movement; Rim Wind and Set; Full Nickel Plated Case; 2½ inch Black Finish Dial with Second Hand; Width, 3⅛ inches; Height, 3½ inches; Heavy Plate Glass Crystal.

Each

No. BROADWAY—Weight Each 1¾ lbs..... **$17 20**
One in a Box

Eight Day Movement; Rim Wind and Set; Black Lacquered Case; 2½ inch Black Dial with White Figures and Second Hand; Width, 3½ inches; Height, 3½ inches; Heavy Plate Glass Crystal.

Each

No. DETROIT—Weight Each, 1¾ lbs..... **$17 20**
One in a Box

Eight Day Movement; Key Wind; Full Black Enameled Case; 2¼ inch White Dial with Black Figures and Second Hand; Height, 3½ inches; Width, 3½ inches; Heavy Plate Glass Crystal.

Each

No. DENVER—Weight Each, 1¼ lbs..... **$11 00**
One in a Box

30 Hour Movement; Stem Wind and Set; Black Enameled Case; 2¼ inch White Dial with Black Figures and Second Hand; Height, 3 inches; Width, 3 inches; Beveled Crystal

Each

No. FRISCO—Weight Each, ¾ lbs..... **$8.00**
One in a Box

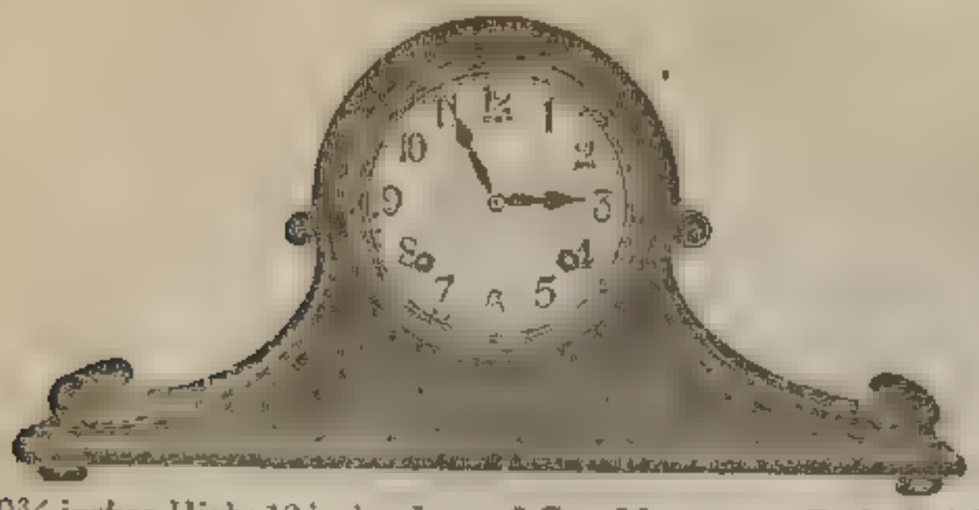
Assortment Consists of One Each, Detroit, Denver and Frisco Clock, as Described Above, in Metal Counter Display.

Per Assortment

No. PW—Weight per Assortment, 4 lbs..... **$36.60**
One Assortment in a Carton

MANTEL CLOCKS

SESSIONS

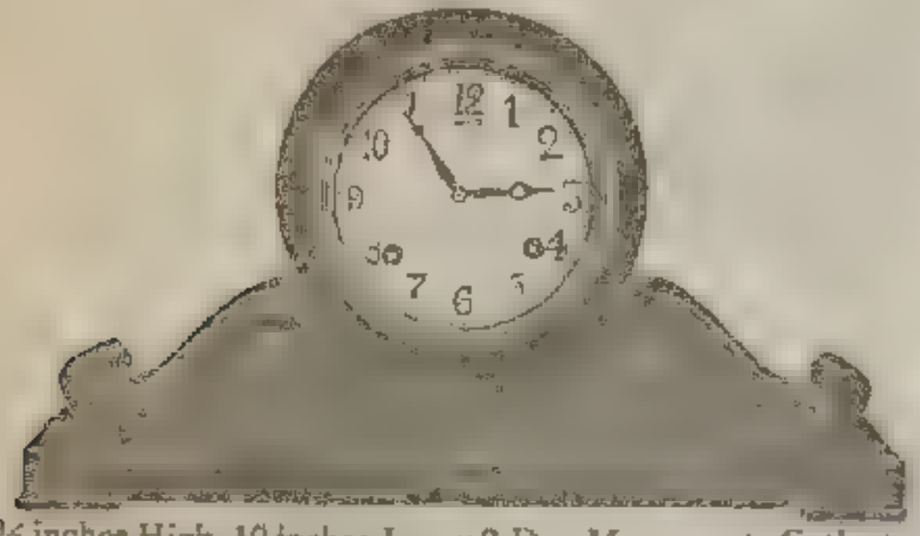


10¾ inches High; 19 inches Long; 8 Day Movement; Cathedral Gong; Half Hour Strike on Cup Bell; Mahogany Case; Rich Finish; Hand Carved Scroll; 8 inch Porcelain Dial; Oval Glass.

Each

No. TRAYMORE—Weight Each, 13 lbs **$30 00**

One in a Box

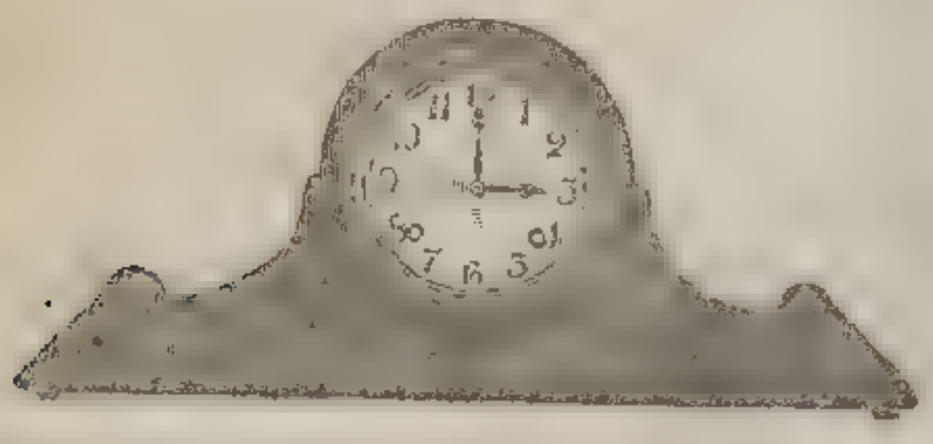


10¾ inches High, 19 inches Long; 8 Day Movement; Cathedral Gong Half Hour Strike on Cup Bell; Fumed Oak or Mahogany Case; Rich Finish; Hand Carved Scroll; 6 inches Porcelain Dial; Oval Glass.

Each

No. TAMBOUR—Weight Each, 13 lbs.. ..... **$30.00**

One in a Box

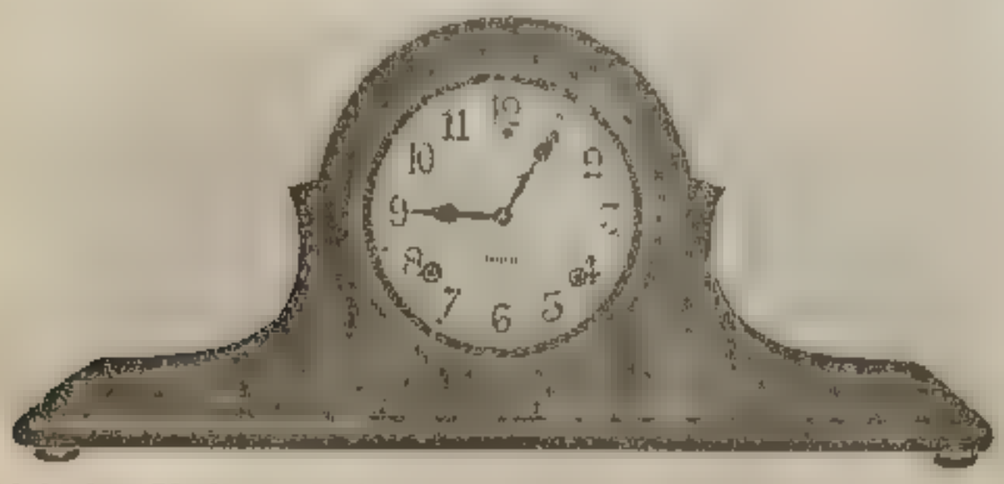


9 inches High; 21 inches Long; Genuine Mahogany Case, Highly Polished; 8 Day Movement; Each Clock Fitted with Hour and Half Hour Chimes; 6½ inch Porcelain Dial; Convex Glass.

Each

No. WINDSOR Weight Each, 12½ lbs **$29.00**

One in a Box



10 inches High; 21 inches Long; Genuine Mahogany Case, Highly Polished; 8 Day Movement; Each Clock Fitted with Hour and Half Hour Chimes; 6½ inch Porcelain Dial; Convex Glass.

Each

No. WENDELL—Weight Each, 12½ lbs.... ..... **$27 00**

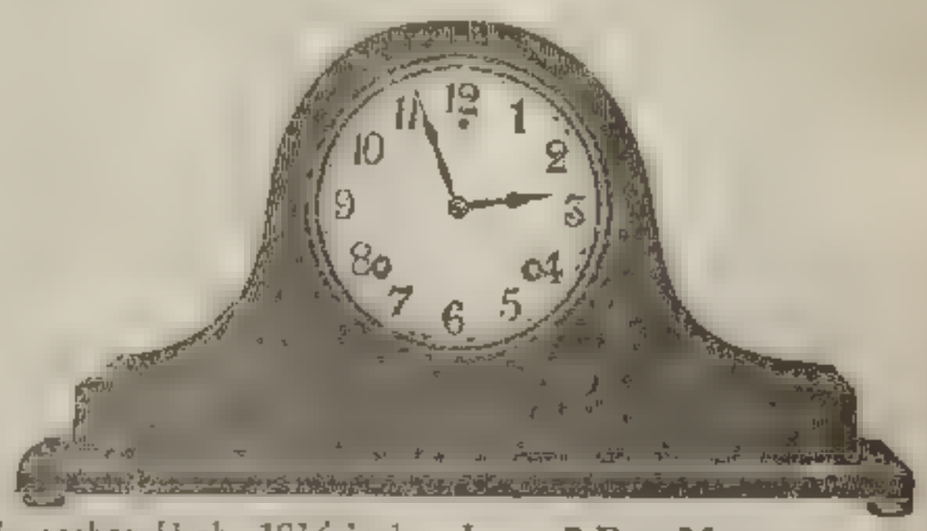
One in a Box

9½ inches High; 21½ inches Long; 8 Day Movement; Cathedral Gong; Half Hour Strike on Cup Bell; Hand Polished, Mahogany Finished Case; 6½ inch Porcelain Dial; Brass Sash; Wood Feet; Oval Glass.

Each

No. WEBSTER –Weight Each, 16 lbs.... ..... **$21.00**

One in a Box



11½ inches High, 18½ inches Long, 8 Day Movement; Cathedral Gong; Half Hour Strike on Cup Bell; Hand Polished Mahogany Finished Case; 6 inch Porcelain Dial; Arabic Figures.

Each

No. PRESCOTT—Weight Each, 15 lbs **$20.00**

One in a Box

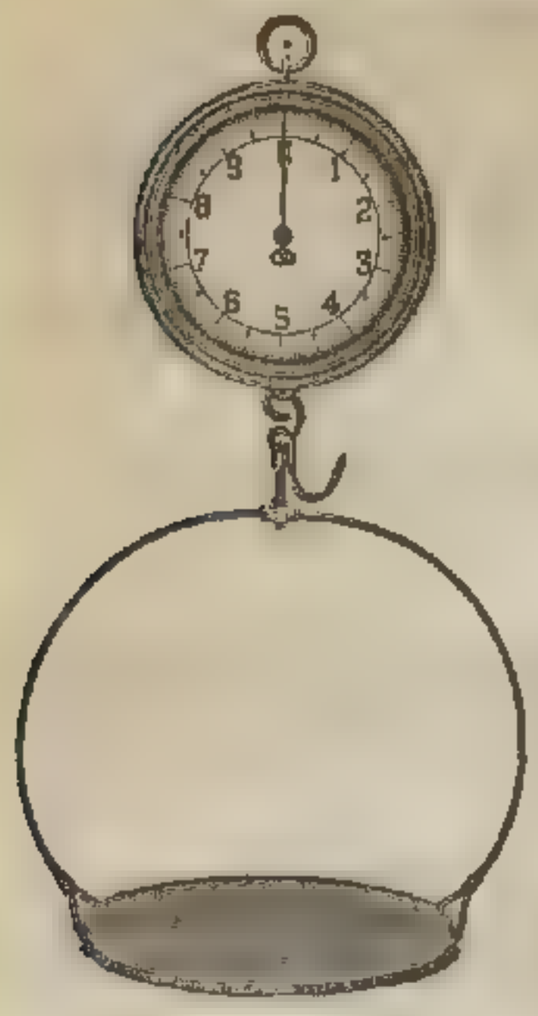
12¾ inches High, 9 inches Long; 8 Day Movement; Half Hour Cathedral Gong Strike; 6 inch Porcelain Dial, Convex Glass; Hand Carved, Solid Mahogany or Fumed Oak Case.

Each

No. 1608—Weight Each, 10 lbs..... ..... **$20 00**

One in a Box

SPRING BALANCE SCALES



CIRCULAR

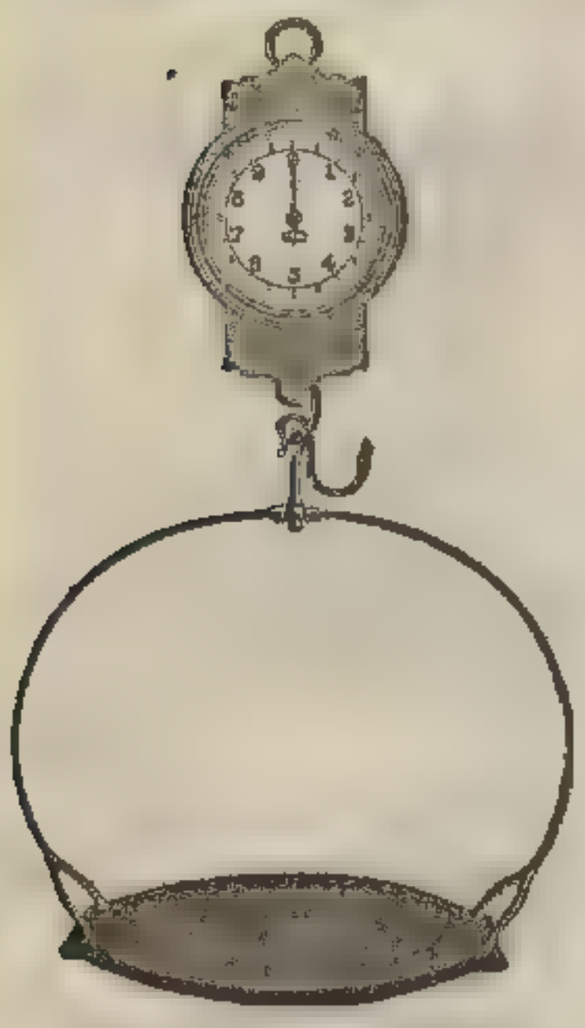
8-inch White Enameled Dial; Figures and Lines Black Enameled; 10-inch Glass Sash; Nickel Plated Sash Frame; Nickel Plated Bow; 13-inch Porcelain Enameled Pan; Height Over All 31 inches; Black Japanned Cast Iron Case.

SINGLE DIAL

Each

No. 4266E—Capacity, 30 lbs., by 1 oz. $21.00

One in a Wood Box; Weight Each 15½ lbs.



CIRCULAR

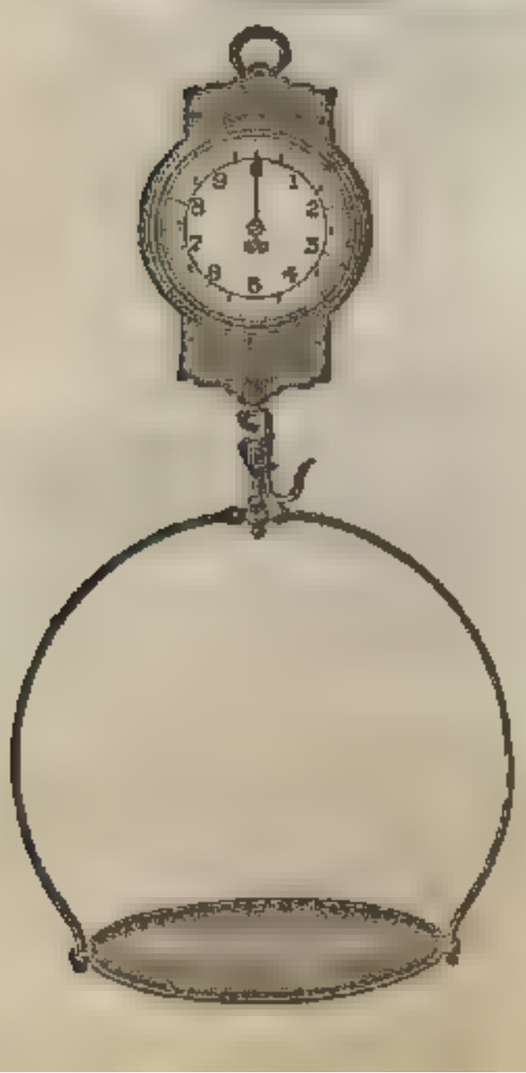
Japanned Cast Iron Case, 7 inch White Enameled Dial; Figures and Lines Black Enameled; Nickel Plated Sash; Tinned Bow and Swivel; Diameter of Pan 13 inches.

WITH WHITE ENAMELED RIMLESS PAN

Each

No. 5276EH—Capacity, 60 lbs., by 2 ozs.; Size of Face 12x7 inches; Height Over All 33½ inches; Weight Each 12 lbs. $19 00

One in a Wood Box



CIRCULAR

Japanned Cast Iron Case; 7-inch White Enameled Dial; Figures and Lines Black Enameled; Nickel Plated Sash; Tinned Bow and Swivel; Diameter of Pan 13 inches.

WITH STEEL TIN PAN

Each

No. 5264—Capacity, 30 lbs., by 1 oz.; Size of Face 10¼x7 inches; Height Over All 30 inches; Weight Each 6 lbs. . . $11.00

No. 5274—Capacity, 60 lbs., by 2 ozs.; Size of Face 12x7 inches; Height Over All 31¼ inches; Weight Each 6 lbs. . . 16.50

One in a Wood Box

SPRING BALANCE SCALES

CIRCULAR

10½x4¼-inch Brass Face; Figures and Marks Stamped in Black; Tinned Bow and Swivel; 13-inch Round Tinned Pan; Height Over All 30 inches; Black Japanned Cast Iron.

Each

No. 264—Capacity, 30 lbs., by 1 oz.; Weight Each 5¼ lbs $12.50

One in a Box

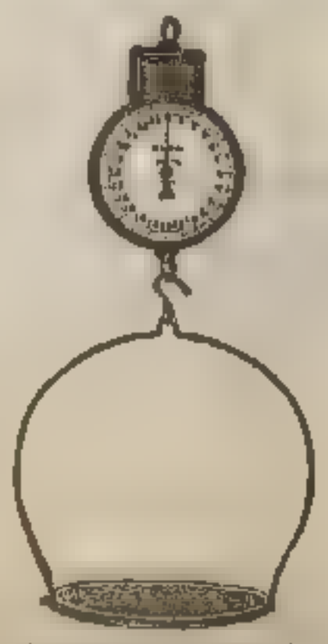
CIRCULAR

6-inch Brass Dial; Figures and Mark Stamped in Black; Tinned Bow; 11-inch Porcelain Enameled Pan; Height Over All 20½ inches; Black Japanned Cast Iron Case.

Each

No. 24E—Capacity, 24 lbs., by 1 oz.; Weight Each 4½ lbs. $7.70

One in a Wood Box



CIRCULAR

5¼-inch White Enameled Dial; Figures and Lines Black Enameled; 10-inch White Enameled Pan; Japanned Steel Case.

Each

No. HU6—Capacity, 24 lbs., by 1 oz.; Weight Each 4 lbs. $6 00

One in a Box

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE

SPRING BALANCE SCALES

OBLONG STEEL PAN

7-inch White Enameled Dial; Figures and Lines Black Enameled; Glass Sash with Nickel Plated Rim; Tinned Steel Pan.

Oblong Tinned Steel Pan 12x9 inches; Four Tinned Steel Chains; Height Over All 25 inches.

Each

No. 102—Capacity, **20 lbs.**, by 1 oz.; Weight Each 4½ lbs **$9 50**
One in a Box

FRUIT AND VEGETABLE

Tin Scoop

Japanned Cast Iron Case; 7 inch White Enameled Dial; Figures and Lines Black Enameled; Nickel Plated Sash.

Each

No. 5263—Capacity, **30 lbs.**, by 1 oz.; Scoop 13x14x7¾ inches; Height Over All 36 inches; Holds One Peck of Potatoes; Weight Each 7½ lbs..... .. .. **$13 50**

Each

No. 5263—Capacity, **60 lbs.**, by 2 ozs.; Scoop 17x16x10½ inches; Height Over All 42 inches, Holds ½ Bushel, Weight Each 11 lbs **$15 00**
One in a Box

FRUIT AND VEGETABLE

Tin Scoop

10½x4¼ inch Brass Face; Figures and Marks Stamped in Black; Tin Scoop.

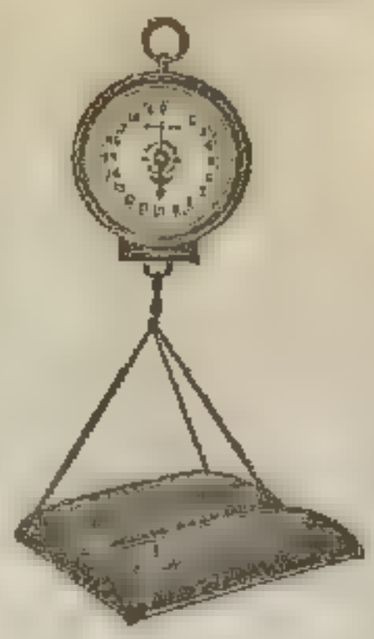
Each

No. 263—Capacity, **30 lbs.**, by 1 oz.; Scoop 13x14x7¾ inches; Height Over All 36 inches; Holds One Peck of Potatoes; Weight Each 5½ lbs. **$11 50**

Each

No. 273—Capacity, **60 lbs.**, by 2 ozs ; Scoop 17x16x10½ inches; Height Over All 42 inches; Holds ½ Bushel; Weight Each 9½ lbs.**$13.50**
One in a Box

SPRING BALANCE SCALES



FRUIT AND VEGETABLES

Steel Scoop

7-inch White Enameled Dial; Figures and Lines Black Enameled; Glass Sash with Nickel Plated Rim; Tinned Scoop.

Tinned Steel Scoop 10x9½x5 inches; Three Tinned Steel Chains; Height Over All 29 inches.

Each

No. 103—Capacity, **20 lbs.**, by 1 oz.; Weight Each 4½ lbs... .. .. .**$10 20**
One in a Box

Following Three General Utility Scales, Designed for all Purposes; Beautifully Made and Finished; these Scales Comply with the Requirements of the Departments of Weights and Measures.

CIRCULAR

7-inch White Enameled Dial; Figures and Lines Black Enameled; Brass Sash with Nickel Plated Rim; White Enameled Pan.

Each

No. 101—Capacity, **20 lbs.**, by 1 oz.; Diameter of Pan 13 inches; Height Over All 25 inches; Weight Each 4½ lbs..... **$9.50**
One in a Box

ROUND TINNED STEEL PAN

Brass Face Plate, Size 5x1½ inches; Japanned Cast Iron Case; Tinned Steel Ring, Hook and Chain; Figures and Lines Stamped in Black.

Per Dozen

No. 21—Capacity, **25 lbs.**, by ½ lb.; 9 inch Round Tin Pan; Height Over All 18½ inches; Weight per Dozen 7½ lbs..... **$9.50**

Each

No. 31—Capacity, **50 lbs.**, by 1 lb.; 9 inch Round Tin Pan; Height Over All 21 inches; Weight per Dozen 11½ lbs..... **$12.50**
Half Dozen in a Box

DAIRY, MILK AND CREAM

Black Enameled Steel Case; Polished Brass Face; Stamped in Figures and Lines, Black Enameled; Scale can be Easily Adjusted by Removing Brass Cap and Turning Adjusting Screw.

A Screw Pointer, Regulated by a Thumb Screw, May be Set at any Point on the Dial to take the Tare of Milk Pails, etc.

Each

No. D40—Capacity, **40 lbs.**, by 10ths.; Brass Gauge on Spring Shows Capacity by 10 lbs.; Diameter of Face 7 inches; Length Over All 14 inches; Weight Each 3¼ lbs.. **$8.00**
One in a Box

SILVER PLATED FLAT WARE

COMMUNITY PLATE
At Your Service for 50 Years

Bird of Paradise	Gravenstein	Adam	Paramount	Sheraton		DEALERS' PRICES SUBJECT TO REGULAR TRADE DISCOUNT	PRICES TO CONSUMERS INCLUDING GOVERNMENT TAX
					SPOONS—SIX IN BOX		
12602	11602	10602	6602	†9602	Tea	$ 9 00 per doz.	$ 3 75 set of six
12603	11603	10603	6603	†9603	Dessert	17 40 per doz	7 25 set of six
12605	11605	10605	6605	†9605	Table	18 00 per doz	7 50 set of six
12604	11604	10604	6604	†9604	Soup (Round Bowl)	18 00 per doz.	7 50 set of six
					FORKS—SIX IN BOX		
12607	11607	10607	[illegible]	†9607	Dinner or Medium (Flat Handle)	18 00 per doz	7 50 set of six
12606	11606	10606	[illegible]	†9606	Dessert (Flat Handle	17 40 per doz	7 25 set of six
12674	11674	10674	6674	†9674	Dessert (Hollow Handle)	26 48 per doz	10 25 set of six
					KNIVES (PLATED BLADES)—SIX IN BLUE VELVET LINED GIFT BOX		
12611	11611	10611	6611	†9611	Hollow Handle Dinner or Medium	27 00 per doz	10 50 set of six
12612	11612	10612	6612	†9612	Hollow Handle Dessert	26 48 per doz	10 25 set of six
12615	11615	10615	6615	†9615	Modeled Handle Dinner or Medium	18 00 per doz	7 00 set of six
†12616	†11616	†10616	6616	†9616	Modeled Handle Dessert	17 68 per doz	6 85 set of six
					KNIVES (STAINLESS BLADES)—SIX IN BLUE VELVET LINED GIFT BOX		
12664	11664	10664	6664	†9664	Hollow Handle Dinner or Medium	29 48 per doz	11 50 set of six
†12628	†11628	†10628	†6628	†9628	Hollow Handle Dessert	28 72 per doz	11 25 set of six
†12694	†11694	†10694	†6694	†9694	Modeled Handle Dinner or Medium	20 60 per doz	8 00 set of six

NOTE—All prices subject to change without notice

Items Marked † Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE

SILVER PLATED FLAT WARE

COMMUNITY PLATE

CORRECT SERVICE PIECES

TO GET THE GIFT BUSINESS—DISPLAY BOXES IN WINDOW AND STORE WITH PRICES $1.00 TO $10.00. BEAUTIFUL GIFTS FOR ALL OCCASIONS—WEDDINGS, ANNIVERSARIES, EASTER, THANKSGIVING, CHRISTMAS, GRADUATIONS, CARD PARTIES, ETC

Bird of Paradise	Grosvenor	Adam	Patrician	Silverado	ALL PIECES LISTED ON THIS PAGE ARE PACKED IN BLUE VELVET LINED GIFT BOXES. All Items * Illustrated on opposite page	DEALER'S PRICES SUBJECT TO REGULAR TRADE DISCOUNT	PRICES TO CONSUMERS INCLUDING GOVERNMENT TAX
					SPOONS		
1[illegible]5	1[illegible]25	10625	6625	+9625	*Coffee	6 in box	$4 50 set of six	$3 75 set of six
[illegible]01	1[illegible]81	[illegible]1	6[illegible]81	+[illegible]	*5 o'clock Tea or Sherbet	6 in box	4 40 set of six	3 75 set of six
1[illegible]22	1[illegible]22	10[illegible]2	6622	+[illegible]22	*Bouillon or Consomme	6 in box	5 28 set of six	7 00 set of six
12[illegible]29	1[illegible]29	1[illegible]29	6429	+9629	*Iced Tea or Iced Drink	6 in box	7 08 set of six	6 00 set of six
12[illegible]67	1[illegible]67	1[illegible]67	6467	+[illegible]67	*Ice Cream or Sundae	6 in box	6 48 set of six	5 50 set of six
12[illegible]41	1641	10[illegible]41	6941	+[illegible]41	*Orange or Grapefruit	6 in box	6 48 set of six	5 50 set of six
†[illegible]47	†[illegible]47	†10[illegible]47	†6[illegible]47	+[illegible]47	*Small Berry or Preserve	1 in box	2 94 each	2 50 each
12[illegible]30	1[illegible]30	10[illegible]30	6629	+9630	*Large Berry or Serving	1 in box	3 82 each	3 25 each
12[illegible]19	1[illegible]19	10[illegible]19	6619	+[illegible]19	*Baby (Bent Handle)	1 in box	1 20 each	1 00 each
†12[illegible]24	†1[illegible]24	†10624	+66[illegible]6		Baby (Straight Handle)	1 in box	1 20 each	1 00 each
12[illegible]50	1[illegible]50	10[illegible]50	6650	+9650	*Sugar	1 in box	1 50 each	1 25 each
2[illegible]83	1[illegible]83	10[illegible]83	6483	+9483	Jam or Conserve	1 in box	1 43 each	1 25 each
2[illegible]56	1[illegible]56	10[illegible]56	6656	+9656	*Olive or Salted Nut	1 in box	2 02 each	1 75 each
					FORKS		
1[illegible]67	1[illegible]67	10667	6667	+9667	*Cold Meat or Serving	1 in box	2 60 each	2 25 each
†1[illegible]68	†1[illegible]68	†10668	†6668	+[illegible]68	*Small Cold Meat	1 in box	2 08 each	1 75 each
12[illegible]60	1[illegible]60	10[illegible]60	6[illegible]60	+[illegible]60	Individual Pie	6 in box	9 68 set of six	8 00 set of six
†120[illegible]79	†1[illegible]79	†[illegible]79	†[illegible]79	+9679	*Oyster or Seafood	6 in box	5 80 set of six	5 00 set of six
12[illegible]40	1[illegible]40	10[illegible]40	6[illegible]40	+9640	*Pickle or Olive	1 in box	1 78 each	1 50 each
1[illegible]88	1[illegible]88	1[illegible]88	6[illegible]88	+[illegible]88	*Individual Salad or Pastry	6 in box	8 26 set of six	7 00 set of six
1[illegible]32	1[illegible]32	1[illegible]32	6[illegible]32	+[illegible]32	Ice Cream or Sherbet	6 in box	7 08 set of six	6 00 set of six
†1[illegible]90	†1[illegible]90	†[illegible]90	+6[illegible]90	1[illegible]90	Cake	1 in box	2 94 each	2 50 each
†1[illegible]01	†1[illegible]01	†[illegible]01	+[illegible]01		*Lemon or Relish	1 in box	1 20 each	00 each
†12[illegible]28	†1[illegible]28	†[illegible]28	+[illegible]28		*Baby (Straight Handle)	1 in box	1 20 each	1 00 each
					KNIVES (PLATED BLADES)		
10[illegible]95	11095	10695	6695	+9695	*Butter	1 in box	1 50 each	1 25 each
2[illegible]97	11097	10697	6[illegible]97	+[illegible]97	*Individual Butter Spreaders (Flat Handle)	6 in box	7 08 set of six	6 00 set of six
†1[illegible]07	†1[illegible]07	†10707	†6707	†[illegible]07	Individual Butter Spreaders (Hollow Handle)	6 in box	12 88 set of six	10 00 set of six
†1[illegible]00	†1[illegible]00	†[illegible]00	†[illegible]00	†[illegible]00	Tea (Hollow Handle)	6 in box	12 88 set of six	9 00 set of six
†1[illegible]12	†1[illegible]12	†10712	†6712	+97[illegible]	Orange (Hollow Handle)	1 in box	13 50 set of six	9 50 set of six
†1[illegible]89	†1[illegible]89	†10989	†6989	†9989	Cake or Bread	1 in box	5 06 each	4 00 each
					KNIVES (STAINLESS BLADES)		
†1[illegible]04	†1[illegible]04	†10704	†6704	†9704	Fruit (Hollow Handle)	6 in box	12 88 set of six	10 00 set of six
†1[illegible]08	†1[illegible]08	†10708	†6708	†9708	Fruit (Modeled Handle)	6 in box	8 48 set of six	6 50 set of six
					LADLES		
12715	11715	10715	6715	†9715	*Salad Dressing or Cream	1 in box	2 36 each	2 00 each
†1[illegible]17	1[illegible]17	10717	6717	†9717	*Serving or Gravy	1 in box	2 94 each	2 50 each
		10719	6719	†9719	Oyster	1 in box	7 08 each	6 00 each
		10720	6720	†9720	Individual Soup	1 in box	6 30 each	4 50 each
†12721	†1[illegible]21	†10721	†6721	†[illegible]21	Medium Soup or Serving	1 in box	8 84 each	7 50 each
†12724	†11724	†10724	†6724	†[illegible]24	Punch (Hollow Handle)	1 in box	14 14 each	12 00 each
					CARVERS (STAINLESS BLADES)		
1273[illegible]	11725	10725	6725	9[illegible]25	Large (3 piece, Knife, Fork and Steel) Carving Set (Hollow Handle)		19 60 set	16 00 set
12[illegible]28	11728	10728	6728	9[illegible]28	*Small (2 piece) Steak or Game (Hollow Handle)		9 80 set	8 00 set
†1[illegible]598	†$1596	†10598	†6598	9598	*Small (2 piece) Steak or Game (Modeled Handle)		7 80 set	6 00 set
†12689	†11689	†10689	†6689	†9689	Game Shears	1 in box	12 90 pair	10 00 pair
					MISCELLANEOUS		
12[illegible]8	1[illegible]08	10708	6708	†9708	Sugar Tongs	1 in box	1 78 each	1 50 each
12[illegible]3	1[illegible]3	10[illegible]3	6[illegible]3	†[illegible]33	*Jelly Server	1 in box	1 78 each	1 50 each
1[illegible]84	1[illegible]84	0184	6484	†9484	*Pierced Pastry or Pie Server	1 in box	4 70 each	4 00 each
12[illegible]90	1[illegible]90	[illegible]90	[illegible]90	†9[illegible]91	*Pierced Server for Tomatoes, Cucumbers, Croquettes, etc.	1 in box	3 52 each	3 00 each
†12[illegible]5	†1[illegible]5	†1[illegible]5	†[illegible]5	†9615	Cheese Knife or Server	1 in box	2 94 each	2 50 each
†12[illegible]0	†1[illegible]0	†[illegible]0	†[illegible]0	†9610	Cheese Scoop	1 in box	5 30 each	4 50 each
[illegible]7	[illegible]710	[illegible]710	[illegible]710	†9710	Pie or Ice Cream Server	1 in box	5 30 each	4 00 each
					SETS		
†[illegible]38	†1738	†10738	†6738	†9738	Baby (Bent Spoon and Straight Fork)		2 10 set	2 00 set
†[illegible]68	†1[illegible]68	†10[illegible]68	†6[illegible]68		Baby (Straight Spoon and Straight Fork)		2 40 set	2 00 set
127[illegible]7	1[illegible]7	1[illegible]37	6737	†9737	*Child's (Spoon, Fork and Flat Knife)		3 60 set	3 00 set
1273[illegible]5	11735	1[illegible]35	6[illegible]35	†9735	*Child's (Spoon, Fork and Hollow Handle Knife)		4 76 set	4 00 set
†12[illegible]9	†1[illegible]9	†10[illegible]9	†[illegible]9	†[illegible]9	Butter and Sugar		3 00 set	3 50 set
†[illegible]41	†11741	†10741	†6741	[illegible]41	Salad Serving (Cold Meat Fork and Preserve Spoon)		5 30 set	4 75 set
12791	†1791	†1[illegible]91	†67[illegible]		Cake (Cake Knife and Cake Fork)		8 00 set	6 50 set

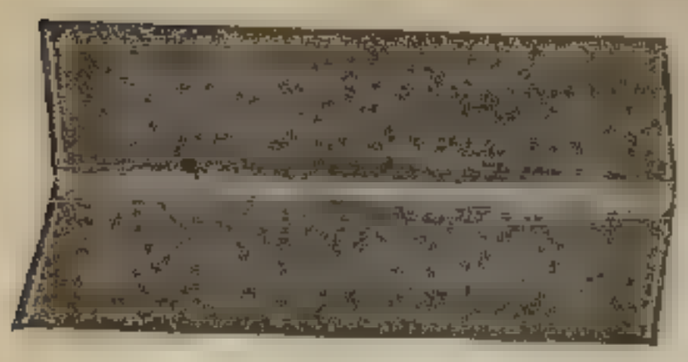
*Illustrated on opposite page

Note—When number is omitted piece is not made

Items Marked † Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory

FLY BOOKS

SNELLED HOOK POCKET CASE



Black Seal Grain Leather Case; Two Pockets for Either Snelled Fish Hooks or Flies.

Per Dozen

No. SB85—Size 10¼x3x⅜ inches; Weight per Dozen, 2¼.....**$13.50**

One in a Box

Black Seal Grained Leatherette Case; Leatherette Binding; Glove Fastener; Six Celluloid Fly Pockets with Transparent Celluloid Fronts; Pockets Well Made and Bound All Round with Leatherette; Size of Pockets 5¾x3¼ inches.

Per Dozen

No. FB150—Size of Case 6⅜x3¾x¾ inch, Weight per Dozen, 2 lbs.**$48 00**

Quarter Dozen in a Box

FISHERMEN'S HANDY BAGS

★DIAMOND BRAND

TRADE MARK REGISTERED ◆ IN THE U. S. PAT. OFFICE

Heavy Canvas; Dead Grass Color; Imitation Leather Bound; ¾ inch Canvas Shoulder Strap with Tinned Buckle.

Nos.	50	75	100	200
Capacity, Rounds	50	75	100	200
Weight per Dozen, lbs.	3¾	4	5	6
Per Dozen	$24 00	27.00	28 80	33 00

Loose

FISH CREELS

Folding

Heavy Brown Duck; Rattan and Japanned Steel Stiffening Braces; Top Buttons on to Body; Provided with Flap Over Entrance; Cotton Web and Russet Leather Shoulder Strap to Buckle on.

Nos.	20	25
Height, inches	10	10½
Width, inches	6	6½
Length, inches	13	14
Weight per Dozen, lbs.	9¾	10
Per Dozen	$27 00	27.00

Twelfth Dozen in a Box

TROUT BASKETS

★DIAMOND BRAND

TRADE MARK REGISTERED ◆ IN THE U. S. PAT. OFFICE

Russet Leather Bound and Reinforced

Bound with Best Quality Russet Leather; Leather Carrying Handle; Strap and Buckle; Also Provided with Loops for Shoulder Straps.

Nos.	PLB1	PLB2	PLB3	PLB4	PLB5
Length, inches	12	13	14	15	16
Height, Back, inches	7½	8½	9	9½	10
Height, Front, inches	5½	6	6½	7	7½
Capacity, lbs.	9	16	20	25	30
Weight per Dozen, lbs.	12	15	18	21	25
Per Dozen	$102 00	108.00	126.00	144.00	168.00

Loose

★DIAMOND BRAND

TRADE MARK REGISTERED ◆ IN THE U. S. PAT. OFFICE

Plain

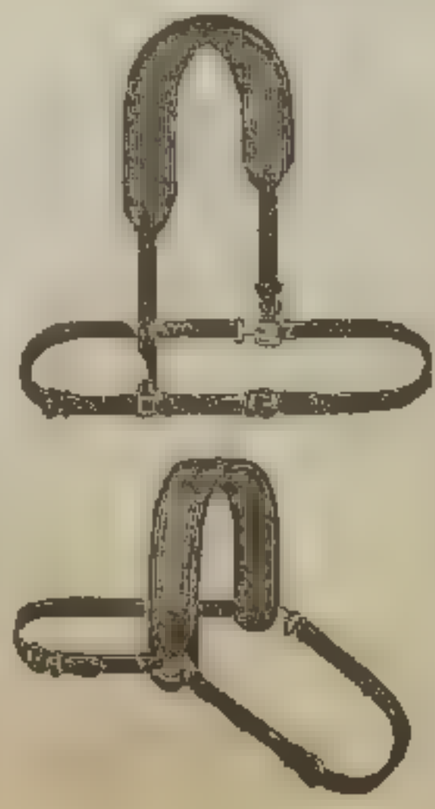
Genuine French Split, Bleached Willow with Patent Lock; Russet Leather and Nickel Plated Metal Mountings; They are Full Standard Sizes.

Nos	PL1	PL2	PL3
Height, inches	8	8½	9
Width, inches	5	5½	5¾
Length, inches	12	13	14
Carrying Capacity, lbs	9	12	20
Weight per Dozen, lbs.	9	13	17
Per Dozen	$50.00	60.00	66.00

Nos.	PL4	PL5	PL6
Height, inches	10	10½	11
Width, inches	6	6½	7
Length, inches	15	16½	17
Carrying Capacity, lbs.	25	30	35
Weight per Dozen, lbs.	19½	24	28
Per Dozen	$78.00	84.00	102 00

Loose

TROUT BASKET STRAPS



Red with Yellow Stripes Woven Canvas Shoulder Web, 2½ inches Wide; ¾ inch Russet Leather Straps; Leather Covered Buckles; Tinned Snap and Links; Adjustable to Any Size; Heavy Weight.

Per Dozen

No. 5—Weight per Dozen, 3¾ lbs.**$20 00**

Loose

Per Dozen

No. 6—Russet Leather Shoulder Strap 1¾ inches Wide; Hand Stamped Border and Creased Edge, ¾ inch Russet Leather Straps Tinned Buckles and Tinned Rings; Nickel Plated Swivel Snap; All Well Sewed and Riveted; Adjustable to any Size; Best Quality Throughout; Weight per Dozen, 4½ lbs.....**$19.20**

Loose

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE

TROUT BASKET STRAPS

Red with Yellow Stripes Woven Canvas Shoulder Web, 2½ inches Wide; ¾ inch Russet Leather Straps; Tinned Buckles, Snap and Links; Adjustable to Any Size; Light Weight.

Per Dozen

No. 4—Weight per Dozen, 3 lbs. . **$15 00**

Loose

Blue Woven Canvas Shoulder Web 2 inches Wide; ¾ inch Russet Leather Straps; Tinned Buckles, Snap and Links; Adjustable to Any Size; Heavy Weight.

Per Dozen

No. 3—Weight per Dozen, 4½ lbs. . **$9 60**

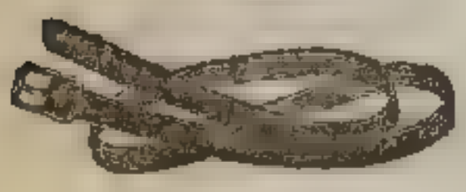
Loose

Blue Woven Canvas Shoulder Web, 2 inches Wide; ⅜ inch Russet Leather Straps; Tinned Buckle; Length Over All 60 inches

Per Dozen

No. 2—Weight per Dozen, 2¼ lbs. . **$6.70**

Loose



¾ inch Russet Leather Plain Strap; Length 58 inches; Tinned Buckle.

Per Dozen

No. 1—Weight per Dozen, 2¼ lbs. . **$4.50**

Loose

REFRIGERATOR BASKETS

★HAWKEYE

One Small Piece of Ice Will Keep Basket Cooled Down to 58 Degrees for Fourteen Hours.

Heavy Hardwood Seasoned Frame, Woven with Rattan Reeds; Polished Metal Lining; Guaranteed Rust Proof; Movable Covered Ice Compartment; Hardwood Removable Lid, Dark Green Finish, Hinged in Middle with Strong Brass Hinges; **Heavy Felt Air Tight Padding Around Edges;** Strong Truss Rod to Hold Basket in Shape; Heavy Woven Canvas Strap with Patent Buckle.

Nos.	1	2
Size, inches	18x12x8½	20x13x10
Weight Each, lbs.	8	12
Each	**$10.70**	**16.00**

Loose

Light Hardwood Seasoned Frame, with Woven Indestructible Rattan Reed; Nickel Plated Zinc Lining; Movable Covered Ice Compartment; Hardwood Removable Lid, Solid Top; Light Brown Color; Heavy Felt Air-tight Padding Around Edges; Heavy Woven Canvas Strap with Buckle.

Each

No. E1—Length, 21 inches; Width, 10 inches; Depth, 12 inches; Weight per Dozen, 8 lbs. . **$8.80**

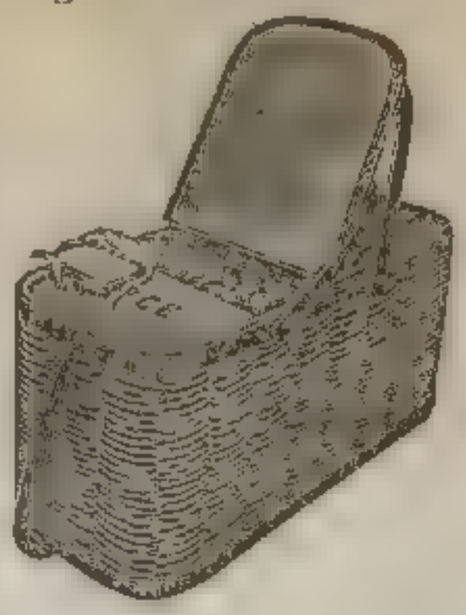
No. E2—Length, 22 inches; Width, 10 inches; Depth, 14½ inches; Weight per Dozen, 12 lbs. . **13.20**

Loose

REFRIGERATOR BASKETS

★HAWKEYE

One Small Piece of Ice Will Keep Basket Cooled Down to 58 Degrees for Fourteen Hours.



Heavy Hardwood Seasoned Frame, Woven with Rattan Reeds; Highly Polished Nickel Plated Zinc Lining; Movable Covered Ice Compartment, Hardwood Removable Lid, Dark Green Finish; Hinged in Middle with Strong Brass Hinges; **Heavy Felt Air-tight Padding Around Edges;** Strong Truss Rod to Hold Basket in Shape, Heavy Woven Canvas Strap with Patent Buckle.

TONNEAU

Especially Adapted for Automobile Tours; Can be Strapped to Foot Board of Any Auto.

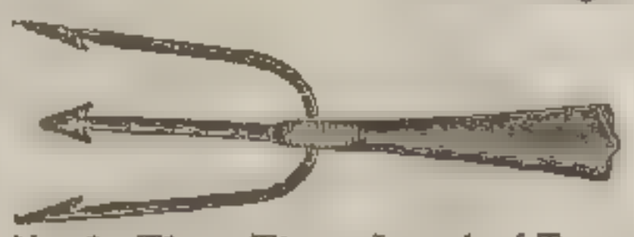
Nos	T1	T2
Size, inches	21x12x10	22x14½x10
Weight Each, lbs.	13	18
Each	**$20 00**	**24.00**

Loose

FROG SPEARS

★DIAMOND BRAND

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE.

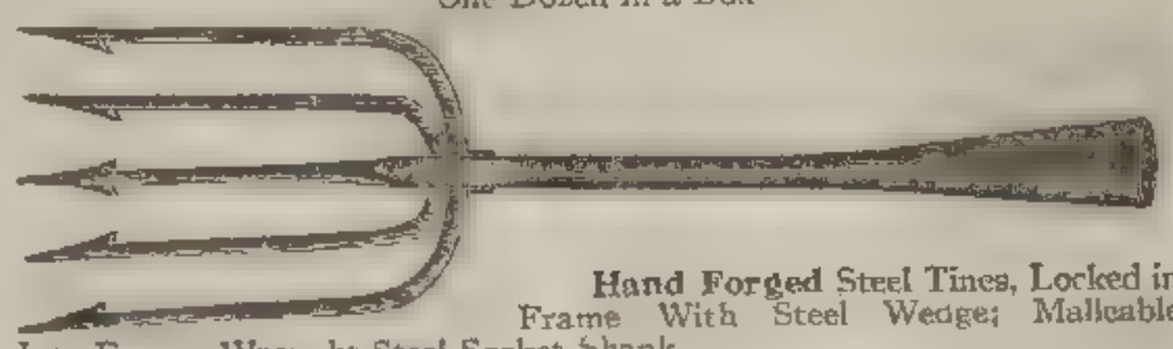


Steel Tines, Locked in Frame with a Steel Wedge; Malleable Iron Frame and Socket, Japanned.

Per Dozen

No. 6—Three Tines; Length of Tines, 3½ inches; Width of Tines 2½ inches; Length Over All, 7⅜ inches; Weight per Dozen, 2⅔ lbs. . **$9.60**

One Dozen in a Box



Hand Forged Steel Tines, Locked in Frame With Steel Wedge; Malleable Iron Frame; Wrought Steel Socket Shank.

Per Dozen

No. 1—Heavy; Five Tines; Length of Tines, 6½ inches; Width of Tines, 5 inches; Length Over All, 18½ inches, Weight per Dozen, 24 lbs. . **$12 00**

No. 2—Four Tines; Length of Tines, 6½ inches, Width of Tines, 4¾ inches; Length Over All, 18½ inches, Weight per Dozen, 18 lbs. . **30 00**

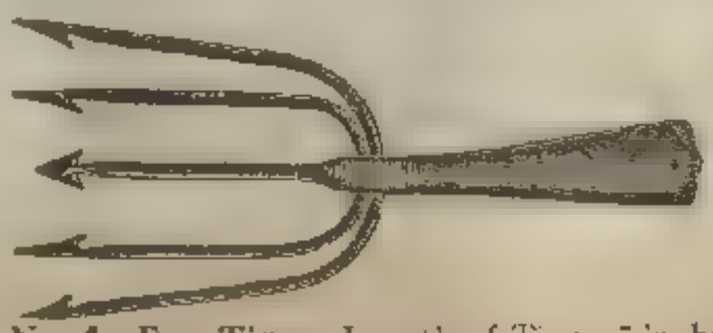
Loose

Steel Tines, Locked in Frame With a Steel Wedge; Malleable Iron Frame and Socket; Japanned.

Per Dozen

No. 5—Five Tines; Length of Tines, 6 inches; Width of Tines, 5 inches; Length Over All, 10½ inches; Weight per Dozen, 8 lbs. . **$15 00**

One Dozen in a Box



Steel Tines, Locked in Frame With a Steel Wedge; Malleable Iron Frame and Socket; Japanned.

Per Dozen

No. 4—Five Tines; Length of Tines, 5 inches; Width of Tines, 4¼ inches; Length Over All, 9¼ inches; Weight per Dozen, 6 lbs. . **$14 40**

One Dozen in a Box

TRADE MARK REGISTERED IN THE U. S. PAT OFFICE.

SKIS

★DIAMOND BRAND

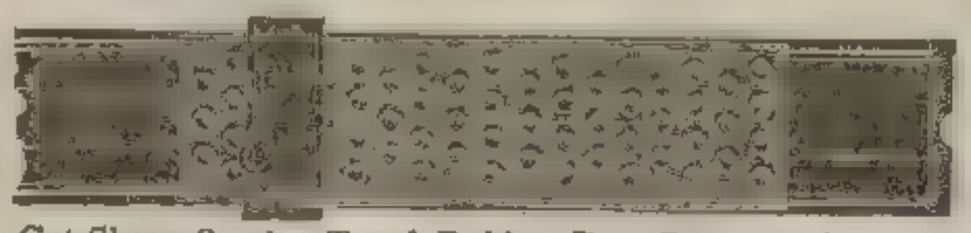
TRADE MARK REGISTERED IN THE U. S. PATENT OFFICE

TRADE MARK REGISTERED IN THE U. S. PATENT OFFICE

Whenever the Snowfall is Sufficient to Make Good, Steady Sleighing, the Use of Skis in Work and Play is Becoming Popular, and in Those Regions Where the Snow Becomes Deep as it Does in the Mountains and Hilly Country and Occasionally on the Prairies of Dakota and Minnesota, Skis are Recognized as Necessities. More Durable than Snow Shoes and Allows the Wearer to Cover More Ground in Less Time and with Less Fatigue.

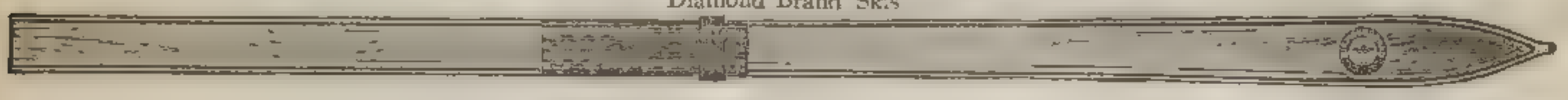
All Diamond Brand Skis are Made of Best Selected Material, Thoroughly Kiln Dried, and Free from Knots and Blemishes; Covered with Several Coats of Best Waterproof Varnish. Each Ski Provided with Suction Tread Rubber Foot Rests and Best Quality Black Harness Leather Toe Straps.

All Diamond Brand Skis are Patterned After the Latest Approved Norwegian Models.



Cut Shows Suction Tread Rubber Foot Rests Used on All Diamond Brand Skis

Modeled on Practical, Proven Lines Always Uniform Throughout and Will Never Lose Their Shape.



PINE

Best Quality Selected Stock **Norway Pine;** Natural Wood Finish with Several Coats Best Waterproof Varnish; Fancy Black Stripes; Single Groove Bottom.

Nos	P4	P5	P6	P7	P7½
Length feet	4	5	6	7	7
Weight per Pair, lbs.	3½	4½	5½	7	9
Per Pair	$2 00	2 80	4 00	5 00	5.50

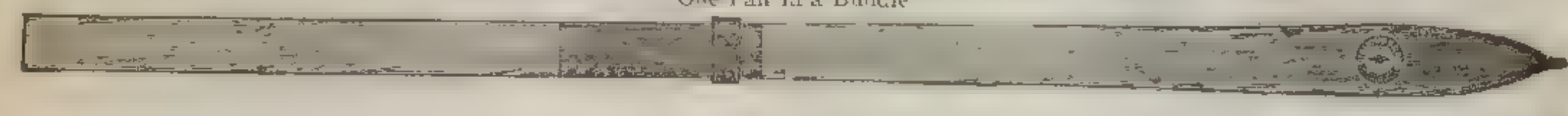
One Pair in a Bundle

MAGNOLIA

Best Quality Selected **Magnolia;** Mahogany Finish with Several Coats Best Waterproof Varnish; Fancy Grooved White Stripes; Single Groove Bottom.

Nos.	M4	M5	M6	M7	M7½
Length, feet	4	5	6	7	7½
Weight per Pair, lbs.	4½	5½	6	8	10
Per Pair	$3.30	5 00	6.70	8 00	10.00

One Pair in a Bundle

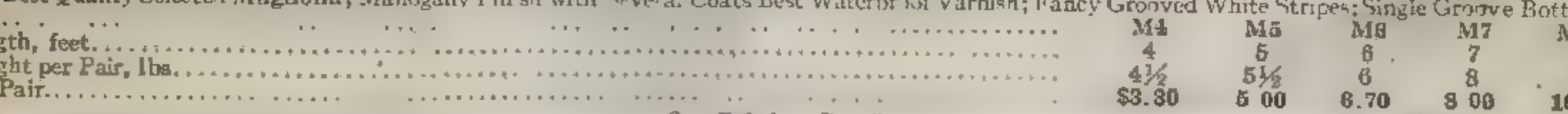


ASH

Very Best Quality Selected **Ash,** the Best that Can be Obtained On the Market; Finished in Black with Fancy Grooved White Stripes; Single Groove Bottom.

Nos.	A7	A7½	A8
Length, feet	7	7½	8
Weight per Pair, lbs.	11½	13	15
Per Pair	$11.00	12.00	13 50

One Pair in a Bundle



THE CHAMPION HICKORY

Very Best Quality Straight Grained Second Growth **Hickory;** Finished in Black with Fancy Grooved White Stripes; **Double** Groove Bottom. This Ski is Intended More Particularly for a Leaping Ski, to be Used by Experts in Leaping Contests. It is Made After the Latest Norwegian Design as Used by All Professionals.

Nos.	H7	H7½	H8
Length, feet	7	7½	8
Weight per Pair, lbs.	12	14	16
Per Pair	$12.00	14.50	16.00

One Pair in a Bundle

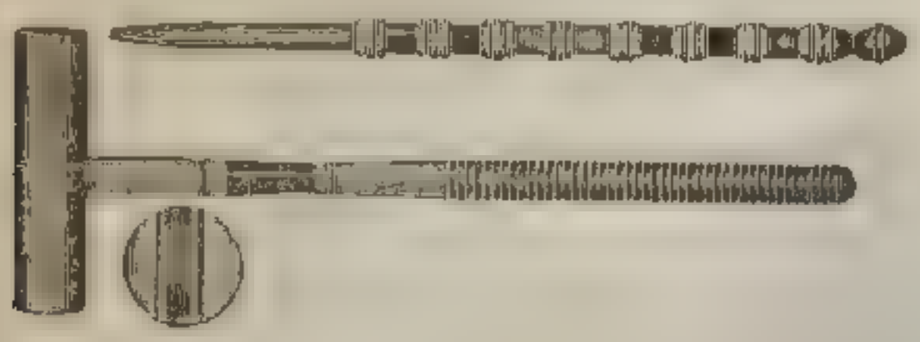
CROQUET SETS

★DIAMOND BRAND

TRADE MARK REGISTERED IN THE U. S. PAT OFFICE

Illustration Shows Method of Packing All Diamond Brand Croquet Sets; Boxes Have Dove-Tailed Corners, and Hinged Covers; Made of Good Grade Spruce and Cottonwood.

Choicest Quality and Finish; Made of Hard Maple; Balls Especially are Turned from Perfect Timber; Free from Knots, Cracks and Other Imperfections; Each Set Contains a Book of Instructions.

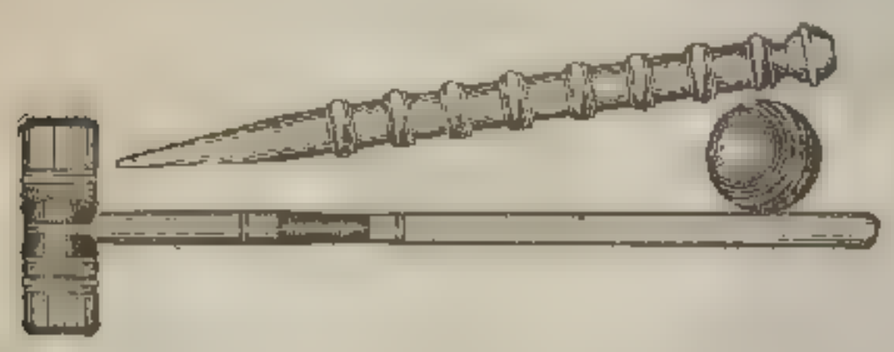


Per Set

No. 680—Eight Ball; An Elegant Set with Shellac Finish. Eight Fancy Striped and Bronzed Mallets; Six inches Long; Handles and Balls Beautifully Painted and Striped; Two Elegant Beaded Stakes; Heavy Arches, with Sockets; Weight per Set, 25 lbs. **$15 00**

No. 840—Four Ball Professional; Four Handsomely Painted Mallets; Nine inches Long; Short Handles Beaded and Striped; Shellac and Bronze Finish; Two Elegant Beaded Stakes; Heavy Arches; with Sockets; Striped Balls; a Very Fine Set for Professional Players; Weight per Set, 20 lbs. **12.00**

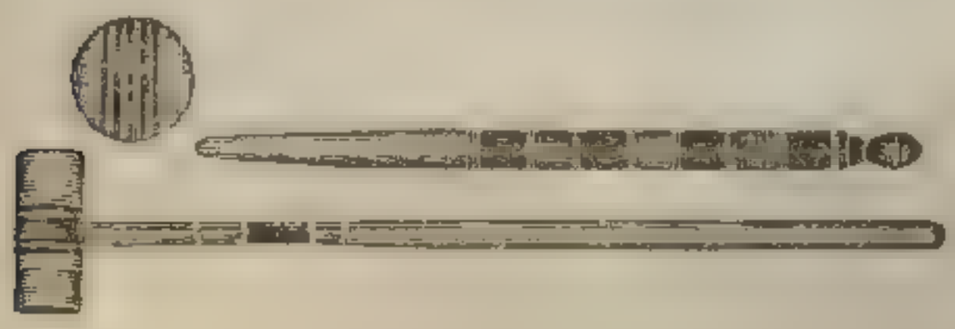
Three Sets in a Crate



Per Set

No. 580—Eight Ball; a Very Handsome Set; Shellac Finish, Eight Fancy Mallets; Six inches Long; Striped Handles and Balls; Two Elegant Beaded Stakes; Heavy Arches; with Sockets; Select Material in Every Part; Weight per Set, 25 lbs. **$11.00**

Three Sets in a Crate



Per Set

No. 280—Eight Ball; Eight Fancy Mallets; Five inches Long; Handles, Balls and Mallets Painted and Striped; Heavy Galvanized Arches; Two Large Stakes; A Nicely Finished Set; Weight per Set, 23 lbs **$8 50**

Three Sets in a Crate

CROQUET SETS

★DIAMOND BRAND

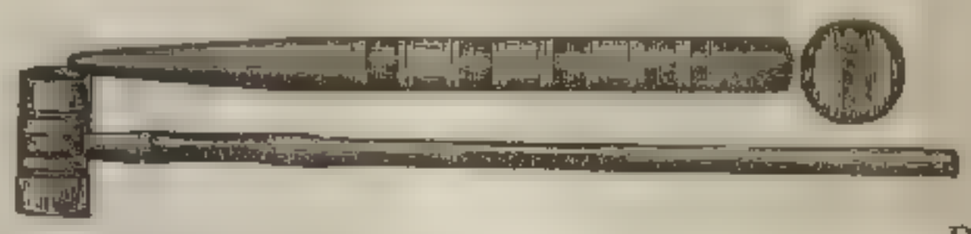
TRADE MARK REGISTERED IN THE U. S. PAT OFFICE.

Choicest Quality and Finish; Made of Hard Maple; Balls Especially are Turned from Perfect Timber; Free from Knots Cracks and Other Imperfections; Each Set Contains a Book of Instructions.

Per Set

No. 640—Four Ball Professional; Four Eight inch Mallets, with Short Handles; Striped Balls and Mallets, Two Large Handsome Stakes; Heavy Arches; with Sockets; A Desirable Set for Fine Players; Weight per Set, 17 lbs **$10 00**

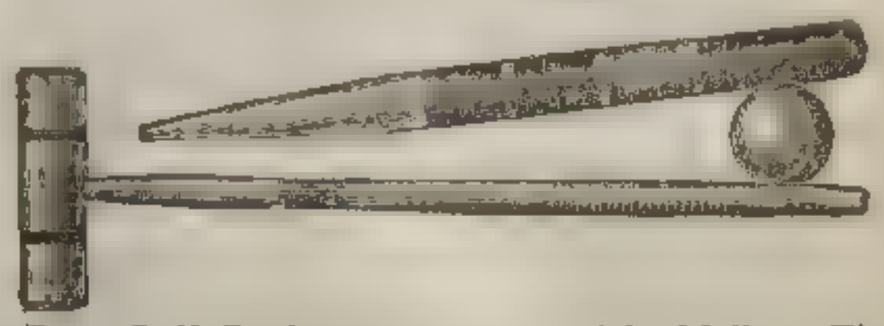
Three Sets in Crate



Per Set

No. 380—Eight Ball; Eight Mallets of Neat Design; Five Inches Long; Balls, Handles and Mallets Painted and Striped; Two Large Fancy Stakes; Heavy Galvanized Arches; Weight per Set, 23 lbs. **$10.00**

Three Sets in a Crate



Per Set

No. 440—Four Ball Professional; Four Plain Mallets; Eight inches Long; Short Striped Handles; Two Large Stakes; Heavy Galvanized Arches; A Very Popular Set; Weight per Set, 17 lbs. **$7 00**

Three Sets in a Crate

Per Set

No. 180—Eight Ball; Eight Plain Mallets; Fiveinches Long; All Parts Varnished; Mallets Painted; Two Eight Colored Stakes; Ten Arches; Weight per Set, 21 lbs. **$7.00**

No. 80—Eight Ball; Eight Plain Mallets; Five inches Long; Mallets Oiled; Balls and Stakes Varnished; Nine Arches; Weight per Set, 21 lbs. **5 80**

Three Sets in a Crate

Per Set

No. 60—Six Ball; Six Plain Mallets; Five inches Long; Oiled Balls and Stakes; Varnished; Nine Arches; Weight per Set, 18 lbs. **$4 80**

Three Sets in a Crate

Per Set

No. 340—Four Ball; Four Plain Mallets; Five inches Long; All Parts Varnished; Mallets Painted; Two Eight Colored Stakes, Weight per Set, 14 lbs. **$5 50**

No. 40 Four Ball; Four Plain Mallets; Five inches Long, Balls and Mallets Oiled; Plain Stakes; Straight Arches; Weight per Set, 13 lbs. **3 80**

Three Sets in Crate

GOLF BAGS

Made of Good Grade Canvas; Assorted Colors; Khaki and White, Karatol Leather Trimmed; Three Steel Staves; Ringed Handle; Genuine Leather Shoulder Strap; Leather Cupped Bottom Reinforced with Brass Strip; Good Size Ball Pocket.

Each

No. 34½—Diameter, 4½ inches; Weight Each, 2 lbs.. ..... **$6.70**

One in an Envelope

Good Quality Canvas; Either Khaki or White; Leather Trimmed; Genuine Leather Shoulder Strap; Three Steel Staves; Leather Cupped Bottom Reinforced with Brass Strip; Full Size Ball Pocket; Ringed Handle.

Each

No. 35—Diameter, 5 inches; Weight per Dozen, 30 lbs **$6 00**

One in an Envelope

Sunday Golf Bag; White Canvas; Complete with Canvas Reinforced Strap; Ball Pocket, Complete with Buckle.

Each

No. 5—Diameter, 4 inches; Weight Each, 1 lb..... **$2.00**

One in an Envelope

GOLF BALLS

REACH

EAGLE

Represent the Requisite Qualities of Highest Grade Balls; High Power and Durability; Wonderful for Distance, Both in Flight and Roll, Yet Perfectly Controllable on the Greens; Exact in Size and Weight, According to the Prescribed Standard. Correct Dimple Marking; Sinks in Water.

Per Dozen

No. RE—Weight Each 1.62 oz., or 29½ Pwt..... **$13 20**

One Dozen in a Box

GOLF BALLS

REACH

PARAMOUNT

Are Exceptionally True in Action; Remarkable for Distance and Durable to an Extreme Degree. These Balls are Particularly Suited to All General Forms of Play; the Average Golfer's Ball; Size and Weight Conform with Standard Requirements; Dimple Marking; Sinks in Water.

Per Dozen

No. RP—Weight Each, 1.62 oz. or 29½ Pwt..... **$9.00**

One Dozen in a Box

FLOATER

Are Due to Their Light Weight Construction: Long in Driving Quality; Excellent for Soft Turf Conditions, Especially Good for Women's Use; As the Name Implies, These Balls Float in Water; Standard Floater, Size and Weight; Dimple Marking.

Per Dozen

No. RF—Weight Each, 1.47 oz..... **$9.00**

One Dozen in a Box

WRIGHT AND DITSON

VICTOR

Small and Heavy Ball with its Weight Adjusted Especially for the Expert Who Requires a Ball that He Can Control Under All Conditions; Dimple Marking.

Per Dozen

No. 75—Weight Each, Approximately 30 Pwt..... **$13.20**

One Dozen in a Box

BLACK CIRCLE

Same Size as No. 75; A Ball of Championship Quality for Play Requiring Distance Under All Conditions; Dimple Marking.

Per Dozen

No. BC—Weight Each, Approximately 28 Pwt..... **$9.00**

One Dozen in a Box

NATIONAL FLOATER

Large, Light Ball; Mesh Marking; Floats in Water, and is Considered By a Great Many Golfers to Be the Best Floater Ever Produced.

Per Dozen

No. NF—Weight Each, Approximately 27 Pwt..... **$9.00**

One Dozen in a Box

W. & D.

Large Size; Medium Weight; Dimple Marking; Is Beyond All Doubt the Very Best for Golfers Who Want a Fine Playing, Enduring Ball at a Low Price.

Per Dozen

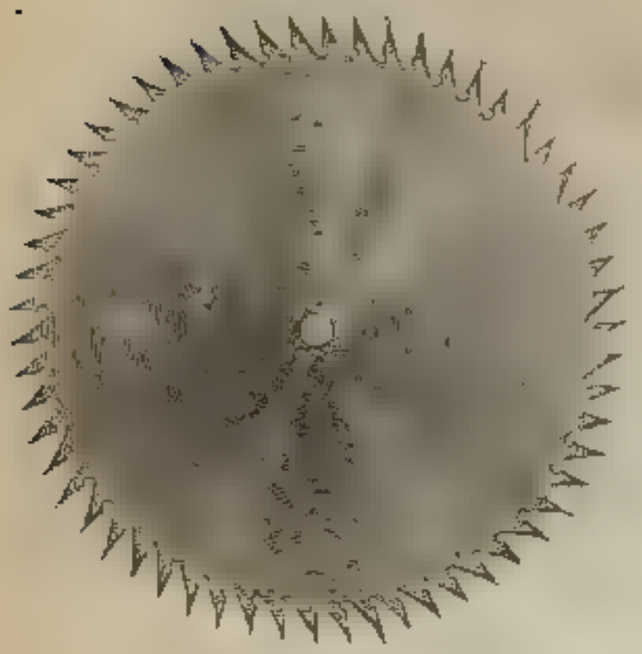
No. 19—Weight Each, Approximately 30 Pwt..... **$9 00**

One Dozen in a Box

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE

CIRCULAR CORDWOOD SAWS

ATKINS



SOLID TOOTH

Made of Special Analysis Steel, Particularly Adapted for Cordwood Sawing. Ground, Tempered and Polished.

Special Notice—Orders for Saws **Not of Standard Gauge or Hole,** as Described in List Below, or Irregular in Any Particular, will be Accepted **Only with the Distinct Understanding** that they are Subject to Delay in Making, and **are Not Subject to Cancellation** Under any Circumstances.

Using a Cold Chisel for Retoothing a Saw is Almost Certain to **Crack** the Plate, and Corners Filed Square in the Gullet of the Tooth will Frequently Produce the Same Result, Particularly in Frosty Weather; **Our Warranty Does Not Cover** Saws Breaking from Such Causes.

Warranty—Each Saw is Warranted Free from Flaws and Seams and as Nearly True as it is possible to Make it. If Found Defective in Above Particulars, it May be Returned (**Always Advise Us and Get Our Reply and Shipping Instructions Before Returning**), and if, on Examination, it is Found the Saw is at Fault, all Necessary Repairs will be Made or a New Saw Given in Exchange, Provided it is Returned **Within 30 Days** from Date of Shipment.

The Speed of Circular Saws is a Most Important Thing to Watch. If Speed is too High it Cannot do Good Work, as it Generates Heat, and the Centrifugal Force Causes it to Stretch and Become Limber and Not Cut Straight.

Diameter, inches	**†18**	**†20**	**†22**
Thickness Gauge	13	13	12
Size of Hole, inches	1⅛	1⅛	1⅛
Revolutions per Minute	2000	1800	1636
Teeth	48	52	56
Weight Each Packed, lbs.	8	11	14
Each	$12 50	15 00	17.50
	4.50	**5.40**	**6.30**

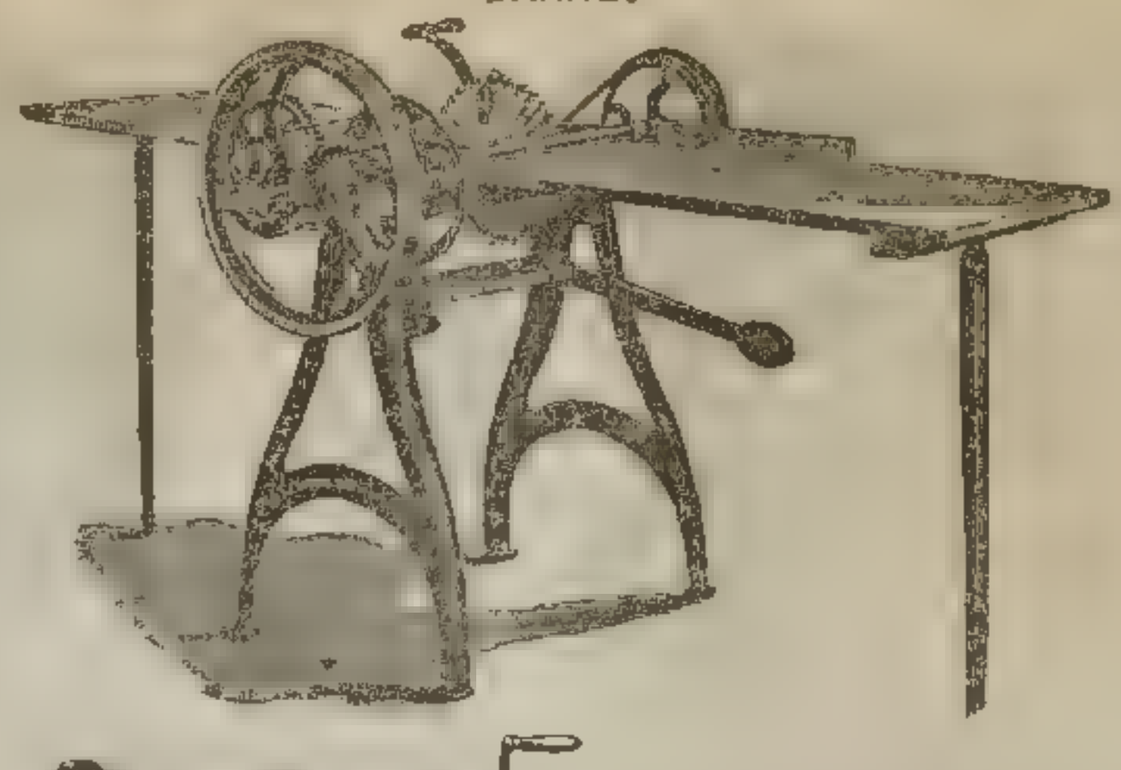
Diameter, inches	**†24**	**†26**	**†28**
Thickness Gauge	11	11	10
Size of Hole, inches	1⅛	1⅛	1⅛
Revolutions per Minute	1500	1384	1285
Teeth	60	64	70
Weight Each Packed, lbs.	18	20	25
Each	$20.50	24.00	28 00
	7.40	**8.70**	**10.10**

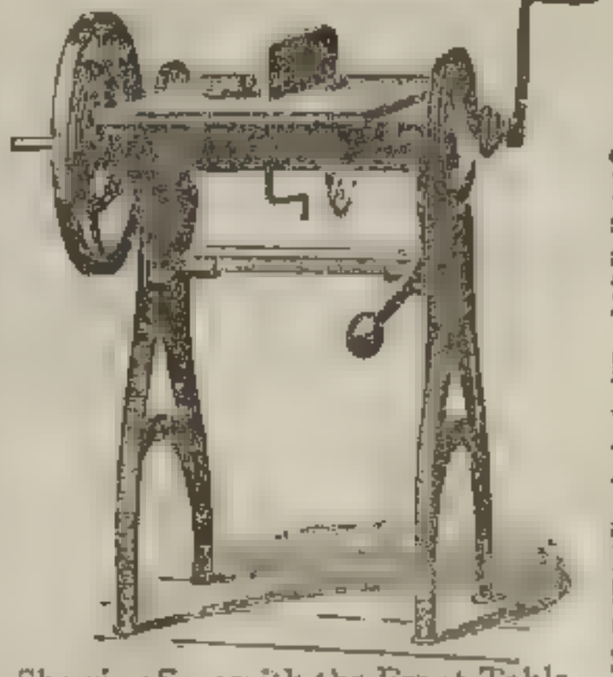
Diameter, inches	**†30**	**†32**	**†34**	**†36**
Thickness Gauge	10	10	9	9
Size of Hole, inches	1⅜	1⅜	1⅜	1⅜
Revolutions per Minute	1200	1120	1050	1000
Teeth	76	80	80	80
Wt. Each Packed, lbs.	31	36	43	47
Each	$32.00	36.50	41.00	47.00
	11.60	**13.20**	**14 80**	**17.00**

Loose

CIRCULAR SAW MACHINES

BARNES





Showing Saw with the Front Table Placed Directly Over the Saw

Especially Adapted to Shops without Power. The Extension Shaft Permits the Use of Pulley when Desired; Painted Cast Iron Frame, Fly and Belt Wheels, Crank and Idler; Steel Axles and Shafts; Polished and Tempered Tool Steel Saws for Ripping Hard or Soft Wood of Any Thickness up to 3¼ inches and Any Width to 19 inches; Fitted with Two Self Adjusting Feed Rollers. The Table is Provided with Adjustable Gauge and Can be Lowered or Raised to Govern Depth of Cut, and by Using Two Saws Side by Side Grooving for Windows or Door Stops can be Done.

HAND POWER — Each

†**No. 20**—With Two 10 inch Circular Saws; Rips Lumber up to 3¼ inches Thick and to 19 inches Wide; Diameter of Fly Wheel 18 inches; Thickness of Rim 1⅝ inches; Height of Top of Table 25 inches; Height Over All 43 inches; Width of Tables 18½ inches; Width Over All 31 inches; Length Over All Including Two Tables 79 inches; Net Weight Complete 190 lbs.; Weight Cased 290 lbs. **$210.00**

Painted Cast Iron Frame, Gear and Table; Top of Table Planed Smooth; Perforated Leather Belt from Drive Wheel to Mandrel Pulley. Running Over a Spur or Pin Pulley, Secures Great Speed and Power. Used for Rip or Cross Cut Sawing, Rabbeting and Grooving. The Self Feed Can be Regulated for Hard or Soft, Thick or Thin Lumber and is Self Adjusting for Different or Uneven Thickness up to 3½ inches. The Cut Off Gauge Can be Set at Any Angle. The Speed of Saw Can be Readily Changed. The Table can be Adjusted to Regulate the Depth of Grooves and Rabbets.

HAND AND FOOT POWER — Each

†**No. 4H**—With Two 10-inch Saws (One Rip and One Cross Cut); Height Over All 36 inches; Size of Top 30x30 inches; Length Over All Including the Front and Back Hardwood Drop Extension Tables 90 inches; Floor Space Required 36x34 inches; Net Weight 400 lbs.; Weight Crated (3 Crates), 500 lbs. **$370.00**

STEAM POWER

†**No. 4P**—With Countershaft and Belt Pulley for Steam Power Instead of for Hand Power; Pulley 10x2 inches; Speed of Shaft 200 Revolutions per Minute **370.00**

Circular Cordwood Saws Can Only be Furnished by Shipping Direct from Factory, F. O. B. Indianapolis, Ind.
Circular Saw Machines Not Carried in Stock, Can Only be Furnished by Shipping Direct from Factory, F. O. B. Rockford, Ill.

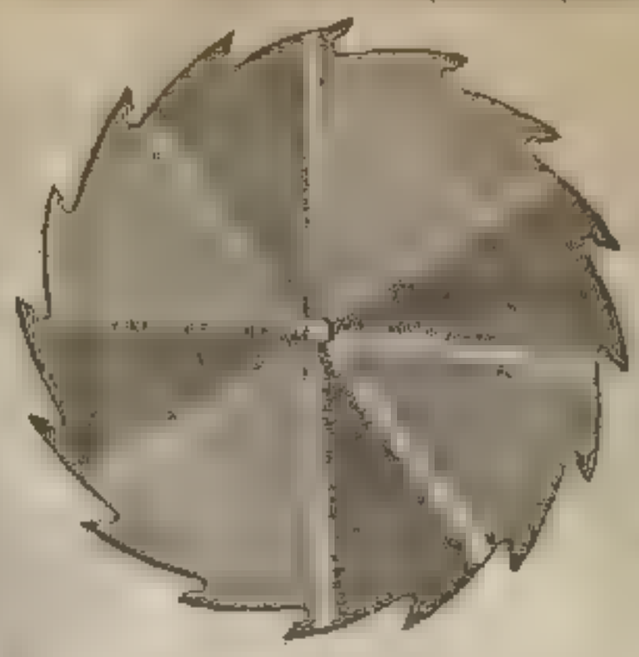
CIRCULAR SAWS

NOTE—All Prices on this Page are Manufacturers Lists. Prices Quoted upon Request. When Ordering, State whether Rip or Cross Cut.

Left Hand

HAND OF SAWS

Circular Saws 30 Inches and Smaller are Made Flat on Both Sides and are Used as Either Right or Left Hand; Saws Larger than 30 inch, When Bevel Ground, with the Center Thicker than the Outer Edge on One Side and Perfectly Flat on the Other, are "Handed;" Place the Saw in Front of You with the Teeth Running Toward You and the Flat Side of Saw Names the "Hand." The Log and Carriage Run off the "Hand" Side as they Move Away from You.



SOLID TOOTH

Right Hand

DIRECTIONS FOR ORDERING

State Diameter in inches. Gauge at Rim, Gauge at Center; Right or Left Hand; Number and Kind of Teeth; Size of Mandrel Hole; Size of Pin Hole; Distance Between Pin Holes from Center to Center; Greatest Feed at Each Revolution, in inches; Kind of Lumber to be Sawed; Number of Revolutions per Minute. When Ordering Bolting Saws, State Whether Rip or Cross-cut. Saws 40 inches and Larger have 2 inch Mandrel Hole, ⅝ inch Lug Pin Holes, 3 inches from Center to Center; if Wanted Differently Send Pattern of Holes.

Polished Crucible Steel, Patent Ground and Tempered.

Special Notice.—Orders for Saws Not of Standard Gauge or Hole as Described in List Below or Irregular in Any Particular, will be Accepted **Only with the Distinct Understanding** that they are Subject to Delay in Making, and **are Not Subject to Cancellation** Under any Circumstances.

Warranty. Each Saw is Warranted Free from Flaws and Seams and as Nearly True as it is Possible to Make it. If Found Defective in Any Particular, it May be Returned (**Always Advise Us and Get Our Reply and Shipping Instructions Before Returning**), and if, on Examination, it is Found the Saw is at Fault, all Necessary Repairs will be Made or a New Saw Given in Exchange, Provided it is Returned Within 30 Days from Date of Shipment.

Cross-cut Saws are Not Warranted Against Cracking.

Using a Cold Chisel for Retoothing a Saw is Almost Certain to Crack the Plate, and Corners Filed Square in the Gullet of the Tooth will Frequently Produce the Same Result, Particularly in Frosty Weather. **Our Warranty Does Not Cover Saws Breaking from Such Causes.**

†E. C. Atkins & Co. F. O. B. Indianapolis, Ind.

†Henry Disston & Sons....., F. O. B. Philadelphia, Pa.

LIST ADOPTED FEBRUARY 1, 1921

Diameter Inches	Thickness Stubs Gauge	Size of Hole in Ins.	Revolutions per Minute	Weight Ins.		Each	For Each Gauge Heavier Add	Extra for Beveling Each Add. Gauge
6	18	¾	.....	1		$3 30	$0 07	$0 25
8	18			1¾	Not		10	35
10	16		4,400	1 22	Packed	7 00	20	45
12	15	1		2½		7 00	30	55
14	14	1	3,000	2¾		8 50	40	65
16	14	1¼		5		10 50	50	75
18	12	1¼	3,000	6		12 50	60	90
20	12	1½	2,500	8		15 00	75	1 05
22	12	1½	2,200	10		17 50	90	1 20
24	11	1⅝	2,000	12		21 00	1 00	1 35
26	11	1⅝	1,800	15		24 00	1 25	1 55
28	10	1¾	1,600	18		28 00	1 50	1 75
30	10	1⅞	1,500	24		32 00	1 75	1 95
32	10	1⅞	1,350	28		36 00	2 00	2 15
34	9	1⅞	1,265	36		41 00	2 25	2 35
36	9	1⅞	1,200	44		47 00	2 50	2 55
38	9	1⅞	1,120	51		54 00	3 00	2 75
40	9	2	1,050	70		62 00	3 50	2 95
42	8	2	1,000	77		71 00	4 00	3 25
44	8	2	950	90	Packed	82 00	4 40	3 75
46	8	2	900	98	Ed	95 00	5 15	3 85
48	8	2	870	105		112 00	5 90	4 15
50	7	2	840	120		127 00	6 65	4 15
52	7	2	800	140		150 00	7 40	4 80
54	7	2	760	150		167 00	8 25	5 15
56	7	2	735	175		185 00	9 50	5 50
58	7	2	700	175		200 00	11 25	5 95
60	6	2	675	190		221 00	13 25	6 45
62	6	2	650	200		250 00	14 75	6 85
64	6	2	625	225		280 00	17 50	7 15
66	6	2	600	245		310 00	20 00	85
68	5	2	575	270		350 00	22 50	8 25
70	5	2	550	290		400 00	20 80	9 05
72	5	2	545	280		450.00	25 00	9 65

All Saws Filed and Set Ready for Use. Sizes 6 to 10 inches, Wrapped in Paper; Larger Sizes Shipped on Boards.

NOTE: Saws 40 inches and Over are Filed and Set Ready for Use. No Extra Charge for Saws One Gauge Thicker than Listed; Saws 38 inches and Under Beveled One Gauge Without Extra Charge; Saws 40 inches and Over, Beveled Two Gauges Without Extra Charge; Saws 48 inches and Larger made Thinner than 10 Gauge, are Not Warranted, and 10% is Added for Each Gauge Thinner than 10 Gauge.

The Speed of a Circular Saw is a Most Important Thing to Watch. If Speed is too High it Cannot do Good Work, It Generates Heat and the Centrifugal Force Causes it to Stretch and Become Limber and Not Cut Straight.

Items Marked † Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory

POP GUNS

KING

Per Dozen

No. KP—Steel Barrel, Nickel Plated; Walnut Stock; Length 15 inches; Weight Each, 6½ ozs.; Shoots a Cork with a Loud Report; No Danger..... **$4 50**

Twelfth Dozen in a Carton, Twelve Dozen in a Case

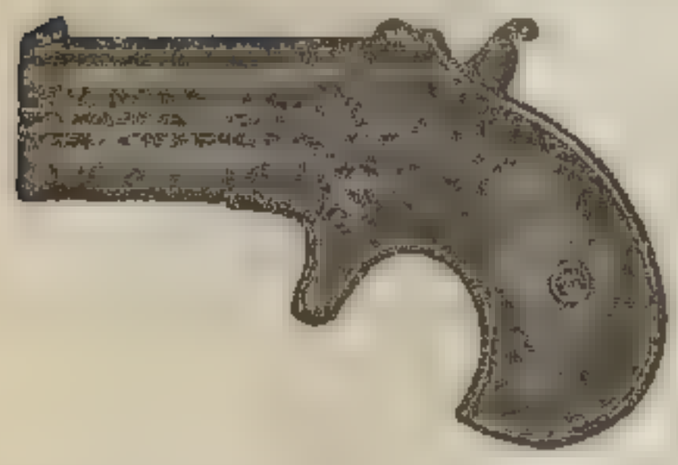
LITTLE DAISY

Per Dozen

No. DP—Steel Barrel, Nickel Plated; Walnut Stock; Length 17 inches, Weight Each, 17 ozs.; Shoots a Cork with a Loud Report; No Danger..... **$6 70**

Twelfth Dozen in a Carton; Six Dozen in a Case

DERRINGERS



DOUBLE—DERRINGER

Two Shots; 3 inch Barrel; Checkered Rubber Stock; Length Over All, 4½ inches; Weight 11 ozs.

Each

No. 241R—41 Caliber; Blued; Rubber Handle; Shoots .41 SRF Cartridges..... **$15.80**

One in a Box

REVOLVERS

BABY HAMMERLESS

Model 1910

Folding Trigger; All Steel Interchangeable Parts; Accurately Rifled; A Well Made and Strong Weapon Especially Adapted to Ladies' Use as a Home Protector, or as a Vest Pocket Revolver.

22 Caliber

1⅝ inch Barrel; 6 Shots; Shoots .22 Short Rim Fire Cartridges; Weight 6 ozs.

Each

No. 22BH—Black Rubber Handles; **Nickel Plated**..... **$9 00**

No. 22BHP—Pearl Handles; **Nickel Finish**..... **11 30**

No. 222BH—Blued Finish..... **9.00**

One in a Box

REVOLVERS

Double Action; Round Barrel; Small Frame.

Nickel Plated

Each

No. 222—22 Caliber; Black Rubber Handles; 2 inch Barrel; 7 Shots; Weight 7½ ozs.; Shoots .22 SRF or .22 LRF Cartridges..... **$7 50**

No. 222P—Same as Above, Only with Pearl Handles..... **11.00**

No. 322R—32F Caliber; 2 inch Barrel; 5 Shots; Weight 9 ozs.; Shoots .32 SRF or .32 LRF Cartridges..... **7.50**

No. 322—32 Caliber; Black Rubber Handles; 2 inch Barrel; 5 Shots; Weight 9 ozs.; Shoots .32 S&W CF Cartridges..... **7.50**

No. 322P—Same as Above, Only with Pearl Handles..... **11 00**

Blued

Each

No. 2222—22 Caliber; 2 inch Barrel, 7 Shots; Weight 7½ ozs.; Shoots .22 SRF or .22 LRF Cartridges..... **$8 00**

No. 2322—32 Caliber; 2 inch Barrel, 5 Shots; Weight 9 ozs.; Shoots .32 S&W CF Cartridges..... **8 00**

No. 2322½—32 Caliber; 2½ inch Barrel, 5 Shots, Weight 9 ozs.; Shoots .32 S&W CF Cartridges..... **8 00**

No. 2382½—38 Caliber; 2½ inch Barrel; 5 Shots, Weight 1 lb.; Shoots .38 S&W CF Cartridges..... **8.00**

One in a Box

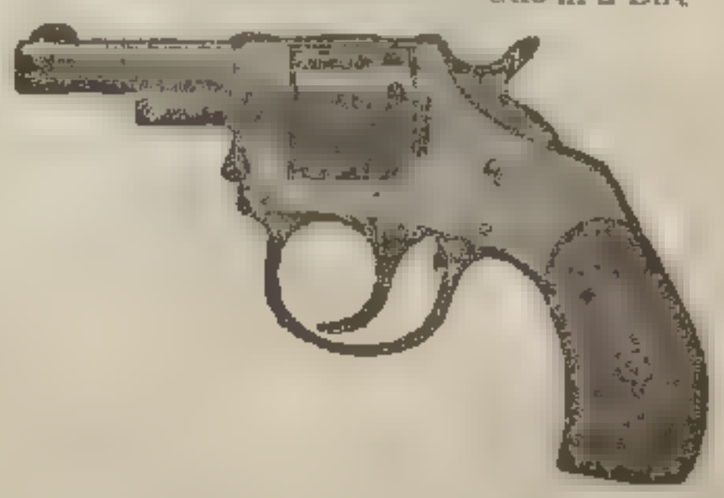
VEST POCKET

Double Action; 1⅛-inch Round Barrel; Nickel Plated; Rubber Handle; Weight 8⅓ ozs.; 5 Shots.

Each

No. 321⅛VP—32 Caliber; Shoots .32 S&W CF Cartridges..... **$7 50**

One in a Box



AMERICAN

Double Action; Octagon Barrel.

Nickel Plated

Each

No. 322½—32 Caliber; 2½ inch Barrel; Weight 16 ozs.; 6 Shots, Shoots .32 S&W CF Cartridges..... **$7 50**

No. 324½—32 Caliber, [illegible] inch Barrel; Weight 17 ozs.; 6 Shots, Shoots .32 S&W CF Cartridges..... **8 00**

No. 382½—38 Caliber; Rubber Handle; 2 inch Barrel; Weight 15 ozs.; 5 Shots; Shoots .38 S&W CF Cartridges..... **7.50**

No. 382½P—Same as Above only with Pearl Handles..... **11 00**

No. 384½—38 Caliber; 4½ inch Barrel; Weight 16 ozs.; 5 Shots; Shoots .38 S&W CF Cartridges..... **8.00**

No. 356—38 Caliber; 6 inch Barrel; Weight 17 ozs.; 5 Shots; Shoots .38 S&W CF Cartridges..... **8.50**

One in a Box

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE.

HARRINGTON & RICHARDSON REVOLVERS

Double Action—Automatic Ejection

HAMMER

32 Caliber; 5 Shots; Shoots 32 S&W Central Fire Cartridges.

	Each
Nickel Plated	
No. 323¼H—3¼ inch Barrel; Rubber Handle; Weight 18 ozs.	$16.00
No. G323¼HP—Same as Above, Only with Pearl Handles and Gold Gilt Cylinder	21 00
No. 324H—4 inch Barrel; Weight 19 ozs.	17 00
Blued	
No. 2323¼H—3¼ inch Barrel; Rubber Handle; Weight 18 ozs.	16 00
No. G2323¼HP—Same as Above, Only with Pearl Handle and Gold Gilt Cylinder	21 00
No. 2324H—4 inch Barrel; Weight 19 ozs.	17.00

38 Caliber; 5 Shots; Shoots 38 S&W Central Fire Cartridges.

	Each
Nickel Plated	
No. 383¼H—3¼ inch Barrel; Rubber Handle; Weight 17 ozs.	$16.00
No. G383¼HP—Same as Above, Only with Pearl Handle and Gold Gilt Cylinder	21 00
No. 384H—4 inch Barrel; Weight 18 ozs.	17 00
Blued	
No. 2383¼H—3¼ inch Barrel; Rubber Handle; Weight 17 ozs.	16.00
No. G2383¼HP—Same as Above, Only with Pearl Handles and Gold Gilt Cylinder	21 00
No. 2384H—4 inch Barrel; Weight 18 ozs.	17 00

One in a Box

PREMIER HAMMER

22 Caliber; 7 Shots; Small Frame; Shoots BB Caps; 22 SRF or 22 LRF Cartridges.

	Each
Nickel Plated	
No. 223PH—3 inch Barrel, Rubber Handle; Weight 13 ozs.	$16 00
No. G223PHP—Same as Above, Only with Pearl Handles and Gold Gilt Cylinder	21 00
No. 225PH—5 inch Barrel; Rubber Handles; Weight 15 ozs.; for Target Practice	17.00
No. G225PHP—Same as Above, Only with Pearl Handles and Gold Gilt Cylinder	23.00
No. 226PH—6 inch Barrel; Rubber Handles; Weight 16 ozs.; for Target Practice	18 00
No. G226PHP—Same as Above, Only with Pearl Handles and Gold Gilt Cylinder	23 00
Blued	
No. 2223PH—3 inch Barrel; Rubber Handles; Weight 13 ozs.	16.00
No. G2223PHP—Same as Above, Only with Pearl Handles and Gold Gilt Cylinder	21 00
No. 2225PH—5 inch Barrel; Rubber Handles, Weight 15 ozs.; for Target Practice	17 00
No. G2225PHP—Same as Above, Only with Pearl Handles and Gold Gilt Cylinder	23 00
No. 2226PH—6 inch Barrel, Rubber Handle, Weight 16 ozs.; for Target Practice.	18 00
No. G2226PHP—Same as Above, Only with Pearl Handles and Gold Gilt Cylinder.	23 00

32 Caliber; 5 Shots; Small Frame; Rubber Handle; Shoots 32 S&W Central Fire Cartridges.

	Each
Nickel Plated	
No. 323PH—3 inch Barrel; Weight 12 ozs.	$16 00
Blued	
No. 2323PH—3 inch Barrel; Weight 12 ozs.	16 00
No. 2325PH—5 inch Barrel; Weight 13 ozs.; for Target Practice	17.00

One in a Box

HARRINGTON & RICHARDSON REVOLVERS

Double Action—Automatic Ejection

HAMMERLESS

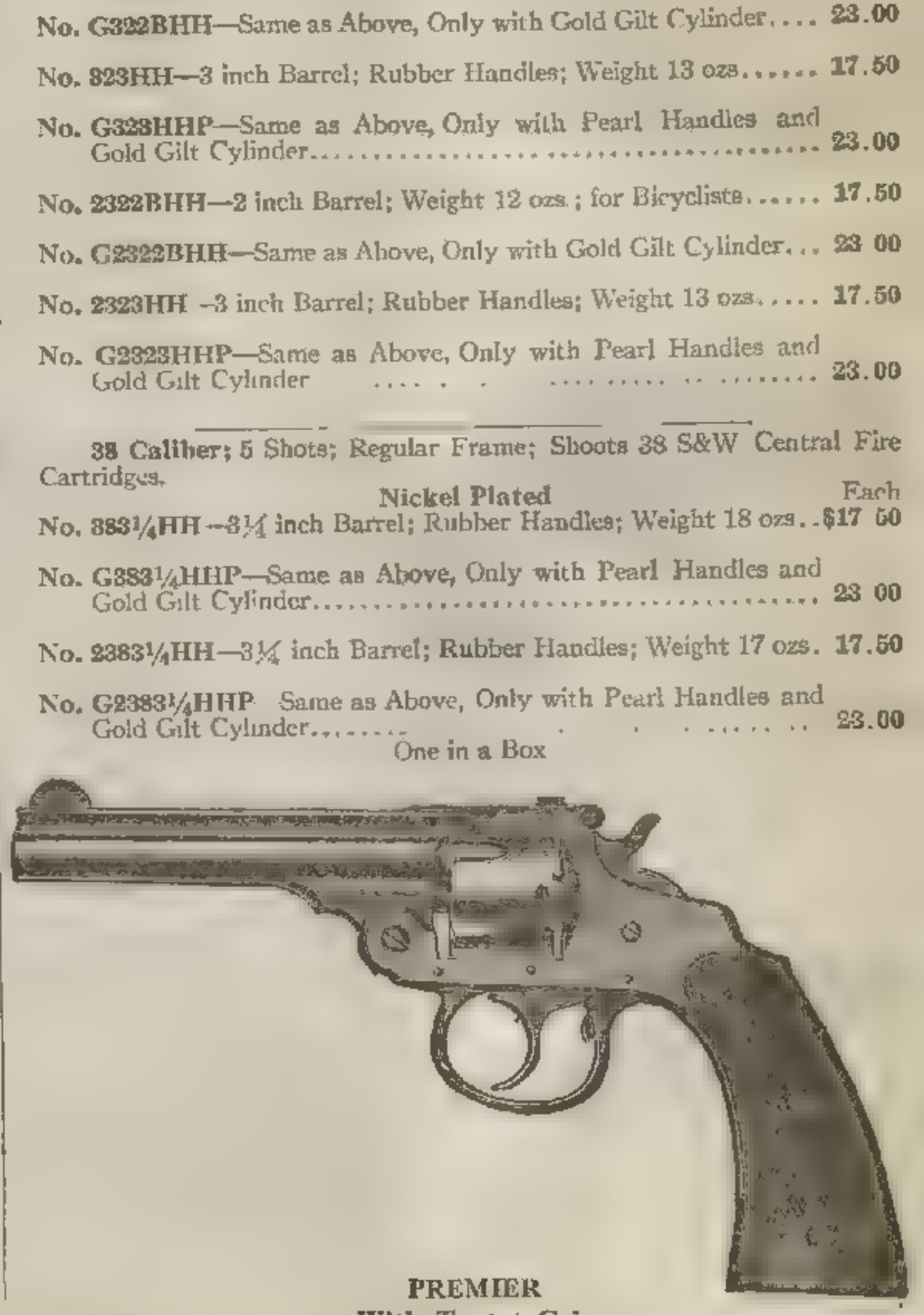
32 Caliber; 5 Shots; Small Frame; Shoots 32 S&W Central Fire Cartridges.

	Each
Nickel Plated	
No. 322BHH—2 inch Barrel; Weight 12 ozs.; for Bicyclists	$17.50
No. G322BHH—Same as Above, Only with Gold Gilt Cylinder	23.00
No. 323HH—3 inch Barrel; Rubber Handles; Weight 13 ozs.	17.50
No. G323HHP—Same as Above, Only with Pearl Handles and Gold Gilt Cylinder	23.00
No. 2322BHH—2 inch Barrel; Weight 12 ozs.; for Bicyclists	17.50
No. G2322BHH—Same as Above, Only with Gold Gilt Cylinder	23 00
No. 2323HH—3 inch Barrel; Rubber Handles; Weight 13 ozs.	17.50
No. G2323HHP—Same as Above, Only with Pearl Handles and Gold Gilt Cylinder	23.00

38 Caliber; 5 Shots; Regular Frame; Shoots 38 S&W Central Fire Cartridges.

	Each
Nickel Plated	
No. 383¼HH—3¼ inch Barrel; Rubber Handles; Weight 18 ozs.	$17 50
No. G383¼HHP—Same as Above, Only with Pearl Handles and Gold Gilt Cylinder	23 00
No. 2383¼HH—3¼ inch Barrel; Rubber Handles; Weight 17 ozs.	17.50
No. G2383¼HHP—Same as Above, Only with Pearl Handles and Gold Gilt Cylinder	23.00

One in a Box



PREMIER

With Target Grip

32 Caliber; 5 Shots; Small Frame; Rubber Handle; Shoots 32 S&W Central Fire Cartridges.

	Each
Nickel Plated	
No. 324HTG—4 inch Barrel; Weight 20 ozs.	$20.50
Blued	
No. 2324HTG—4 inch Barrel; Weight 20 ozs.	20.50

38 Caliber; 5 Shots; Regular Frame Rubber Handle; Shoots 38 S&W Central Fire Cartridges.

	Each
Nickel Plated	
No. 384HTG—4 inch Barrel; Weight 19 ozs.	$20.50

One in a Box

"ECHO PHONE" RADIO ARPARATUS

(Licensed Under Armstrong Patents)

The "Echo Phone" Regenerative Set is Composed of "Echo Phone" Tuner and Detector Unit and "Echo Phone" Two Stage Amplifier, Sold Either Together (Two Units) as Complete Set or as Separate Units. The Very Latest Word in Radio Development, with Improvements Which Simplify Construction and Operation. Eliminates Frying Tube Noises and Enables Very Fine Selective Tuning. The Wide Receiving Range, Varying from 150 Meters to 1000 Meters is Ample to Provide for any Increase in Broadcasting Wave Lengths That May be Allotted by the Government. This Set Presents an Attractive Appearance and Affords Unusual Ease of Operation. It is the Ideal Home Set, Beautiful as it is Efficient and Priced Within the Reach of All. Is a Very High Grade Set Throughout in Both Material and Workmanship.

Detector-Tuner Unit

Specifications

Cabinet—Solid Mahogany, Hand Polished, Satin Finish; 15½ inches Long, 8 inches Wide, 6½ inches High.

Panel—Formica, Satin Finish, Gorton Engraved.

Dials—Engraved Solid Nickel Silver.

Variable Condensor—Aluminum 7 Plate

Antenna Inductance—Bank Wound.

Circuit—Fundamental Armstrong Regenerative.
Plug for Head Set Furnished with Each Set.

Each

No. T16—Weight Each, 9 lbs..... **$120 40**

One in a Carton

(This Price Does Not Include Detector Tube, Headset, Antenna, Storage or "B" Batteries.)

The Following Accessories are Needed to Complete This Set: 1 Detector Tube, 1—22½ Volt "B" Battery, 1—6 Volt Storage Battery, (90 Amperes or Over), 1 Head Set and 1 Indoor or Outdoor Aerial; Outdoor Preferred

Amplifier Unit

9½ inches Long, 8 inches Wide, 6½ inches High; A Two Stage Amplifier Designed and Finished as a Companion Piece for Use With No. T16 Tuner and Detector Unit. This Unit Positively Will Not Receive Signals Unless it is Hooked Up With a Detector Unit.

Each

No. A2—Weight Each, 4 lbs.....**$73.70**

One in a Carton

The Following Accessories are Needed When Annexing This Set to No. T16 Detector: 2—Amplifier Tubes, 2—22½ Volt "B" Batteries.

"ECHO PHONE" RADIO APPARATUS

(Licensed Under Armstrong Patents)

The "Echo Phone" Regenerative Set is Composed of "Echo Phone" Tuner and Detector Unit and "Echo Phone" Two Stage Amplifier, Sold Either Together (Two Units) as Complete Set or as Separate Units. The Very Latest Word in Radio Development, with Improvements Which Simplify Construction and Operation. Eliminates Frying Tube Noises and Enables Very Fine Selective Tuning. The Wide Receiving Range, Varying from 150 Meters to 1600 Meters is Ample to Provide for Any Increase in Broadcasting Wave Lengths That May be Allotted by the Government. This Set Presents an Attractive Appearance and Affords Unusual Ease of Operation. It is the Ideal Home Set, Beautiful as it is Efficient and Priced Within the Reach of All. Is a Very High Grade Set Throughout in Both Material and Workmanship.

Detector-Tuner Unit and Amplifier Unit Combined

Specifications

Cabinet—Solid Mahogany, 24 inches Long, 6½ inches High, and 8 inches Wide.

Panel—Formica, Satin Finish, Gorton Engraved.

Dials—Engraved Solid Nickel Silver

Variable Condensor—Aluminum 7 Plate.
Plug for Head Set Furnished with Each Set.

Antenna Inductance—Bank Wound.

Circuit—Fundamental Armstrong Regenerative.

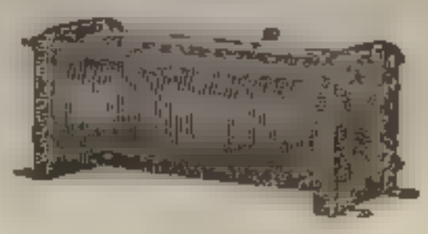
Each

No. TA16—Weight Each, 11½ lbs **$183.70**

One in a Carton

The Following Accessories are Needed to Complete Set: 1 Detector Tube, 2 Amplifier Tubes, 1—6 Volt Storage Battery (90 Amperes or Over), 3—22½ Volt "B" Batteries, 1 Indoor or Outdoor Aerial, Outdoor Aerial Suggested as Best Results are Obtained from This Type.

CRYSTAL DETECTOR SET



This is An Efficient Unit of the Two Slider Type with Phone Condensor on the Inside.

The Crystal Detector Mounted on the End of Tuner is Made With a Universal Joint. The Tension of the Cat Whisker Against the Galena is Adjustable. Galena Crystal Furnished With This Set is Tested and Will be Found Very Sensitive.

All Metal Parts are of Solid Brass With Silver Nickel Finish.

The Tuning Coil is Wound with Enameled Copper Wire on a Seamless Tube. Within a Range of 25 Miles of Broadcasting Station, Music and Voice are Brought in Clear With Minimum Static Interference.

No. 1K Crystal Set, With Crystal, Less Phones and Antenna; Length, 9 inches; Height, 4 inches; Weight Each, 2½ lbs..... **$4.80**

One in a Carton

INSTRUCTIONS FOR INSTALLING AND OPERATING ARE ENCLOSED WITH EACH ECHO PHONE SET

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE

MONROE REGENERATIVE RADIO - RECEIVERS

(Licensed Under Armstrong Patents)

Monroe Radio Apparatus is Ingeniously Designed to Provide a High Degree of Efficiency at Moderate Cost.

The Construction is Thoroughly Up to Date in All Respects; All Component Parts are Standard in Quality and Approved by Radio Experts.

In as Much as the Spell of Radio is Progressive and the Student of Its Fascinating Mysteries Usually Begins His Experience with a Modest Investment and as His Knowledge Advances, Adds Amplification and Consequent Increased Power, We Present Herewith a Perfectly Simple and Thoroughly Satisfactory Group of Sets Which Enable the Desired Enlargement of Range and Capacity Without the Necessity of Throwing the Original Investment Into the Discard.

Thus No. D1 for the Beginner is the Foundation Unit to Which No. D2, When Added, Gives the Full Power and Efficiency of No. D3 Which is Merely a Combination of the Two in One Single Cabinet.

Detector

Specifications

Cabinet—Mahogany Finish; Length, 11¼ inches; Width, 7⅝ inches. Height 7 inches.

Panel—Formica, Shielded with Grounded Aluminum Plate to Prevent Body Capacity.

Dials—Composition Plainly Marked.

Condenser—Eleven Plate Rotary Variable.

Rheostat—Filament Control Permitting Sensitive Adjustment.

Socket—Composition Rubber.

Vario Coupler—Wound with Oversize Double Silk Covered Copper Wire.

Binding Posts—Nickel Plated, Non-Loosening, Marked with Connections.

Circuit—Single, Regenerative.

Wave Length—180 to 685 Meters.

Each

No. D1—Weight Each, 8 lbs..... $52 00

One in a Carton

(Price Does Not Include Head Set—"A" or "B" Batteries or Tubes)

To Make This Set Complete the Following Accessories are Needed: 1—Detector Tube, 1—6 Volt Storage Battery; 1—22½ Volt "B" Battery, 1 Head Set and 1 Outdoor or Indoor Aerial. We Suggest An Outdoor Aerial as Best Results are Obtained From This Type.

Two Stage Amplifier

Specifications

Cabinet—Mahogany Finish, Length, 11¼ inches; Width, 7⅝ inches; Height, 7 inches.

Panel—Gradem Formica 10½ inches Long; 6 inches High.

Transformers—Two High Grade Auto Frequency

Rheostats—Filament Control, Permits Sensitive Adjustment.

Sockets—Composition Rubber.

Binding Posts—Nickel Plated, Non-Loosening; Marked With Connections.

Circuit—Armstrong Regenerative.

Each

No. D2—Weight Each, 8 lbs..... $52 00

One in a Carton

(This Price Does Not Include Tubes or Batteries.)

To Make This Unit Complete the Following Accessories are Needed: 2—Amplifier Tubes, 2—"B" Batteries. This Unit Positively Will Not Receive Signals Unless It Is Hooked Up With a Detector Unit.

MONROE REGENERATIVE RADIO RECEIVERS

(Licensed Under Armstrong Patents)

Detector and Two Stage Amplifier Combined

Specifications

Cabinet—Mahogany Finish; Length, 22⅝ inches; Width, 7⅝ inches; Height, 7 inches.

Panel—Formica Shielded with Grounded Aluminum Plate to Prevent Body Capacity

Dials—Composition Plainly Marked.

Condenser—Eleven Plate Rotary Variable Rheostat. Filament Control Permitting Sensitive Adjustment.

Sockets—Composition Rubber.

Vario Coupler—Wound with Oversize Double Silk Covered Copper Wire.

Binding Posts—Nickel Plated, Non-Loosening, Marked with Connections.

Circuit—Single Regenerative.

Transformers—Two High Grade Auto Frequency.

Wave Length—180 to 685 Meters.

Each

No. D3—Weight Each, 14 lbs..... $110.00

One in a Carton

(This Price Does Not Include Head Set, "A" or "B" Batteries, or Tubes)

To Make This Set Complete the Following Accessories are Needed: 1—Detector Tube; 2—Amplifier Tubes, 1—6 Volt Storage Battery (90 Amperes or Over) 3 22½ Volt "B" Batteries; 1 Head Set, 1 Outdoor or Indoor Aerial. We Suggest an Outdoor Aerial as Best Results are Obtained From This Type.

RADIO SUPPLIES

CUNNINGHAM TUBES

DETECTOR TUBE

Cunningham Tubes are a Standard for Quality. They are All Tested and Carefully Packed. We Do Not Guarantee Them Against Breakage. They are Shipped at Owner's Risk.

Each

No. C300—Detector Tube—Weight Each, 1 lb..... $8.00

One in a Carton

AMPLIFIER TUBE

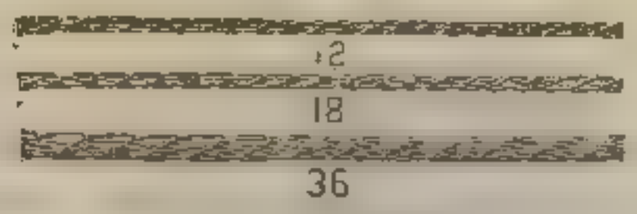
This Cunningham Amplifier Tube is for Use in Sets Like Our No. D3; They Increase the Audibility of Signals Passed Through the Detector Tube. We Do Not Guarantee Them Against Breakage. They are Shipped at Owner's Risk.

Each

No. C301—Amplifier Tube—Weight Each, 1 lb..... $10.40

One in a Carton

FLAX WRAPPING TWINE



Cut Shows Full Size

HARD LAID
Fine Quality Standard Wrapping Twine
Dark Color, Extra Grade

Nos.	18BC	16¼BC	36BC
Pound in a Ball	⅓	¼	½
Per Pound	$0.90	0.95	.85

3 lbs. in a Package; 168 lbs. in a Bale

TWINE BOXES

FOR BALLS

Black Japanned Cast Iron; Size Inside 4¼x4 inches; Diameter of Base 6½ inches.

Per Dozen
No. 57—Weight per Dozen 33 lbs.....$20.80
Twelfth Dozen in a Package

FOR BALLS

Japanned; Size 4½x3½ inches; Cam Fastening Wire Ring Swivel in Top.

Per Dozen
No. 6—Weight per Dozen 12 lbs.....$7.90
Half Dozen in a Box

TWINE HOLDERS

FOR CONES OR TUBES

Black Japanned Cast Iron; Height 11 inches, Length of Base 6¼ inches.

Per Dozen
No. 207—Weight per Dozen 16 lbs.....$8.40
Loose

TOBACCO CUTTERS

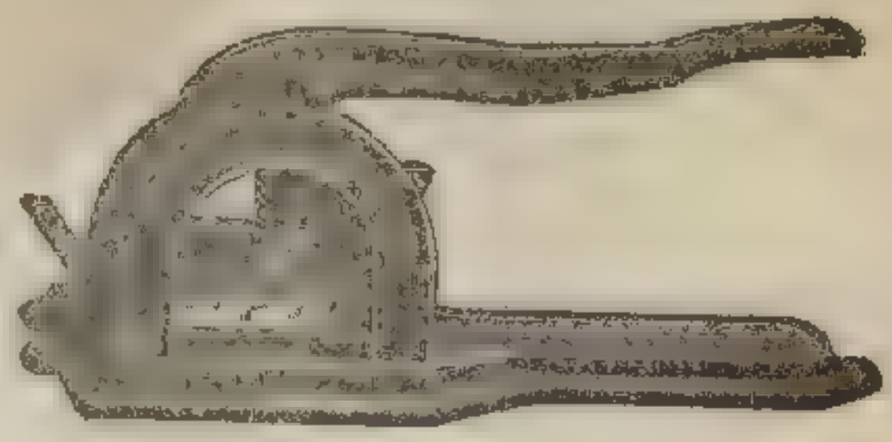
Japanned Iron; Length 10⅝ inches; Width 3 inches; Height 7⅜ inches; Tempered Steel Knife; Takes Plug 2½ inches Wide.

Per Dozen
No. 2—Weight per Dozen 57 lbs.....$30.00
Twelfth Dozen in a Box

TOBACCO CUTTERS

STANDARD

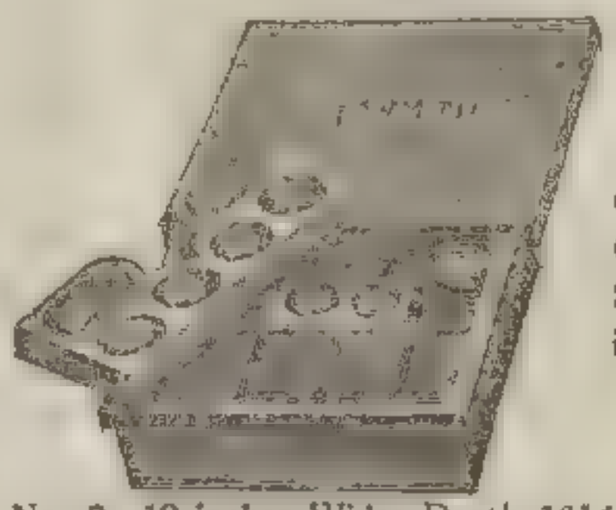
With 6-inch Measuring Gauge



Black Japanned Cast Iron Frame, Red, Blue and Gold Decorated; Length 16½ inches; Width 3⅛ inches; Height 7 inches; Tempered Steel Knife; Sliding Cut; Takes Plug 3½ inches Wide.

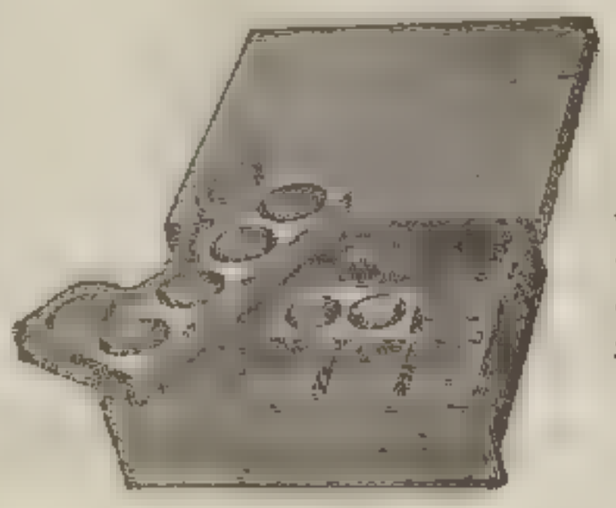
Per Dozen
No. 10—Weight per Dozen 80 lbs.....$46.00
Twelfth Dozen in a Package

MONEY DRAWERS



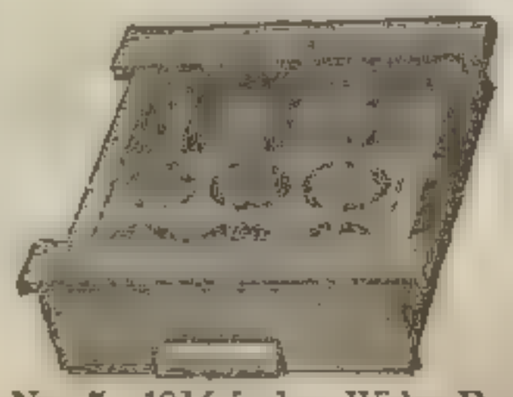
Oak Front, Varnished, Gained Corners; Improved Lock, 32 Changes; Diameter Specie Bowls 3⅝ inches; Size Bill Spaces 3½x8 inches.

Per Dozen
No. 2—19 inches Wide; Depth 16½ inches; Height 4¾ inches; Weight per Dozen 160 lbs.....$108.00
Half Dozen in a Crate



Hardwood Front; Corners Strongly Secured; Improved Lock, 33 Changes; Diameter Specie Bowls 3⅝ inches; Size Bill Spaces 3¼x8¼ inches.

Per Dozen
No. 6—18 inches Wide; Depth 17½ inches; Height 4¾ inches; Weight per Dozen 125 lbs.....$90.00
Half Dozen in a Crate

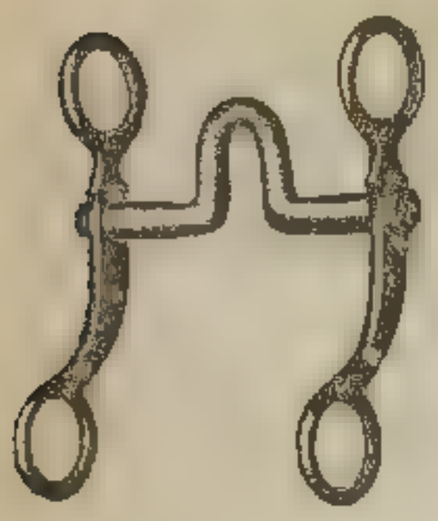


Oak Front, Golden Oak Finish; Improved Lock, 33 Changes; Diameter Specie Bowls 2⅞ inches; Size Bill Spaces 2⅞x7 inches.

Per Dozen
No. 5—18½ inches Wide; Depth 18 inches; Height 4¾ inches; Weight per Dozen 125 lbs.....$74.00
Half Dozen in a Crate

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE

PORT BRIDLE BITS



Malleable Iron Cheeks, Polished; 1⅛ inch Check Rings; 5 inch Mouth with 1¾ inch Port.

Per Dozen

No. 998—6½ inch Checks; Weight per Dozen, 12 lbs.....**$17.60**
Twelfth Dozen in a Box

Malleable Iron; Cheeks and Mouth Riveted; 1 inch Cheek Rings; 5 inch Mouth with 1¾ inch Port Fitted with Copper Roller; 4¾ inch Cheeks.

Per Dozen

No. 994P—Polished; Weight per Dozen, 8 lb.....**$13 70**
Half Dozen in a Box

SPURS

GUN METAL

Solid Gun Metal; Gold Color; Burnished and Engraved; Silver Nickel Spots and Rowel; Turned-up Bows; 1 inch Turned Down Shank; 1¾ inch Rowel; Two Buttons.

Use No. M736 or 433 Spur Straps

Per Dozen Pair

No. 1510½—Burnished and Engraved; Weight per Dozen, 6 lbs....**$61.10**
One Pair in a Box

GUN METAL

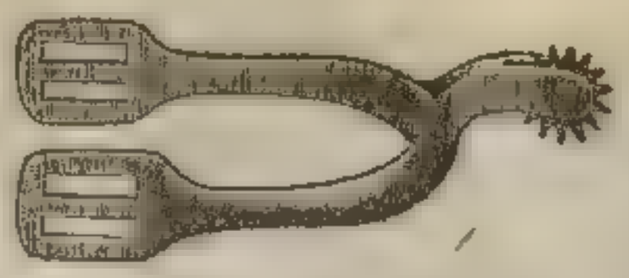
Solid Gun Metal; Gold Color Ornamented with Solid Nickel Horse Head and Rowel; Turned up Bows; Two Chains Attached to Sheet Metal Loops; 2 inch Turned Down Shank; 1¾ inch Rowel; Two Strap Buttons.

Use No. M736 or 433 Spur Straps

Per Dozen Pair

No. 1517—Solid Gun Metal; Weight per Dozen, 8 lbs.....**$85.50**
One Pair in a Box

SPURS



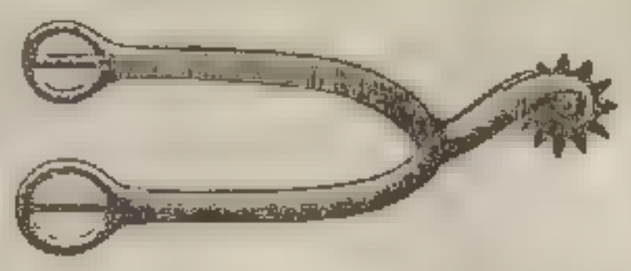
ENGLISH

Cast Brass, Polished; 1 inch Turned-up Shanks; ¾ inch Blued Stamped Steel Rowel; ½ inch Strap Loops.

Use No. E Spur Straps

Per Dozen Pair

No. 8—Weight per Dozen, 1½ lbs.....**$10.10**
One Pair in a Box



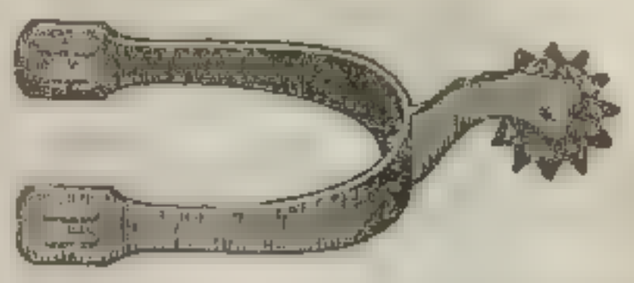
ENGLISH

Malleable Iron; 1 inch Turned up Shank; ¾ inch Blued Stamped Steel Rowel; ½ inch Round Strap Loops.

Use No. E Spur Straps

Per Dozen Pair

No. 2/0—XC Plate (Tinned), Weight per Dozen, 1⅛ lbs.....**$5.80**
One Pair in a Box



BAND

Stamped Steel Bows; 1¼ inch Stamped Turned-up Shanks; 1¼ inch Blued Stamped Steel Rowel; ½ inch Strap Loops.

Use No. E Spur Straps

Per Dozen Pair

No. 1017½—XC Plate; Tinned.....**$4.30**
One Pair in a Box

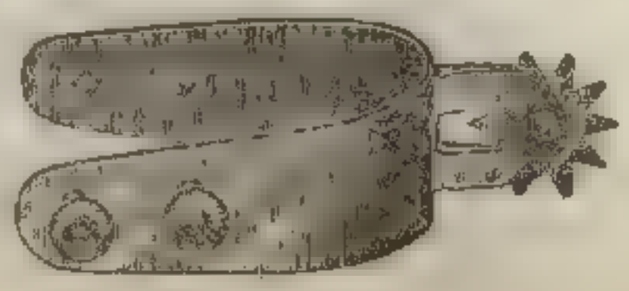
BAND

Malleable Iron; 1 inch Turned up Shank; ¾ inch Blued Stamped Steel Rowel; ½ inch Square Strap Loops.

Use No. E Spur Straps

Per Dozen Pair

No. 2006—XC Plate (Tinned), Weight per Dozen, 1⅜ lbs.....**$5.80**
One Pair in a Box



EUREKA

Stamped Steel; 1 inch Malleable Horseshoe Shank; 1¼ inch Bright Stamped Steel Rowel; Four Strap Buttons.

Use No. A or No. U Spur Straps

Per Dozen Pair

No. 3—Nickel Plated, Weight per Dozen, 3¼ lbs.....**$15.70**
One Pair in a Box

HORSE LAWN MOWERS

FENDEN

Four-Blade Reel, Drive Rollers 15 inches in Diameter; Diameter of Reel 8 inches; Finished in Green, Gold and Red Paint and Varnished; Handsomely Ornamented.

Guaranteed to Give the Best Satisfaction of any Horse-power Mower on the Market. The Frame Construction is the Strongest that it is Possible to Build and is Reinforced at Each End with Heavy Steel Bars. All Parts Accurately Machined and Fitted. Equipped with the **Only Graduated** Raising and Lowering Device, Enabling the Operator to Instantly Adjust the Cutting Height or Allow the Knives to Pass Over a Stone.

Both the Bottom Knife and the Reel are Demountable Without Disturbing the Frame of the Mower. Reel Bearings Turn in Adjustable Split Brass Bushing. Four Revolving Blades, $\frac{3}{16}$ of an inch in Thickness, Made of the Best Knife Steel Obtainable, Vanadium-crucible Analysis, Oil Tempered. Double Riveted Malleable Reel Braces Throughout.

Fitted with a Train of Three Gears and Durable Triple Pawl Ratchets Diameter of Drive Rollers 15 Inches. Reel is 8 inches in Diameter and is Quickly Adjusted to the Stationary or Bottom Knife, the Adjusting Screws are Easily Accessible and Seldom Require Attention.

Fully Equipped with Driver's Seat, Shafts and Side-draft Attachments.

Width of Cut, Inches..	**‡30**	**‡35**	**‡40**
Weight Boxed, lbs.....	610	825	1025
Each	**$264 00**	**275 00**	**297 00**

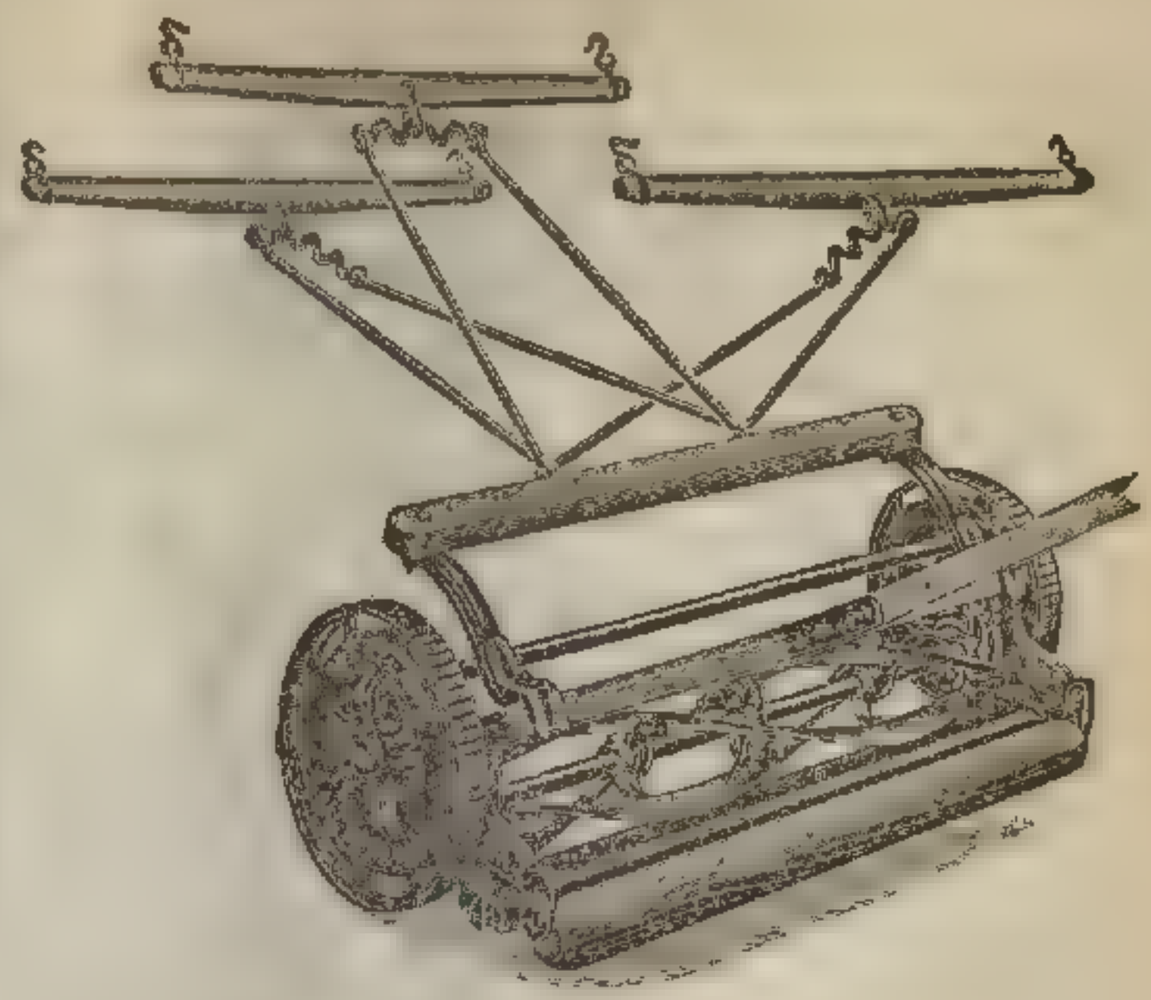
TELL THINGS IN ADVERTISING

IT IS WELL TO MAKE IT A POINT TO "TELL THINGS" IN ADVERTISING, AVOIDING "GLITTERING GENERALITIES." TALKING RATHER IN A STRAIGHTFORWARD, EASILY UNDERSTOOD MANNER, TELLING CUSTOMERS JUST WHY THEY SHOULD PATRONIZE YOU. ABOVE ALL, DON'T TAKE ANY CHANCES OF BEING SOLD OUT, AND COMPELLED TO OFFER EXCUSES. KEEP YOUR STOCK UP BY MAIL ORDERS AND BE ALWAYS PREPARED TO CARE FOR THE TRADE WHICH YOUR ADVERTISING BRINGS.

PONY LAWN MOWERS

CRESTLAWN

BALL BEARING



The Construction of this Machine is Positively the Very Best on the Market and is as Near Perfect as Can be Made. The Parts Making the Frame are all Lathe Turned and the Cast Bed Plate is Machined into the Side Plates, Forming an Automatic Interlocking Adjustment which Cannot be Jarred or Twisted out of Alignment.

Pony Mowers are Often Used by Hand Power and the Crestlawn is Particularly Good for this Purpose, as it has **Ball Bearing Drive Wheels.** This Makes the Machine Easy-running and very little Harder to Operate than Many Hand Machines.

The Reel is Made with Four Revolving Cutters and is Ball Bearing. The Ball Bearing Parts are Automatic in Action and Never Need to be Touched by the Operator. The Revolving Cutters are, Therefore, Held in Position Under all Conditions and will Give a Clean Shear Cut at all Times.

The Steel Bed Knife is Made with Raised Lip, which Adds Strength and Rigidity.

All Material is First Grade and the Very Best that Money Can Buy.

Drive Wheels 10½ inches high. Diameter of Reel 6 inches. Reel Axle ¾ inch. Adjustable to Cut Grass to Lengths of ¼ to ½ inch. Cuts Grass Standing 7 inches High

Handle and Roller of Hardwood Maple, Thoroughly Seasoned and Finished.

Horse Attachment

Each Mower is Equipped with our Patented Horse Attachment. This Can be Adjusted Quickly and in Such a Manner that in Operation the Mower is Held to the Ground and the Disagreeable "Tipping up" of the Rear of the Mower is Impossible. The Draft of the Mower is Just the Same When Operated by Either Horse or Hand. Without Attachment the Horse Can Walk in the Middle, Front or to Either Side of the Mower and Yet Maintain a Central Draft at all Times.

Sold on an Absolute Guarantee to Give Satisfaction

Each

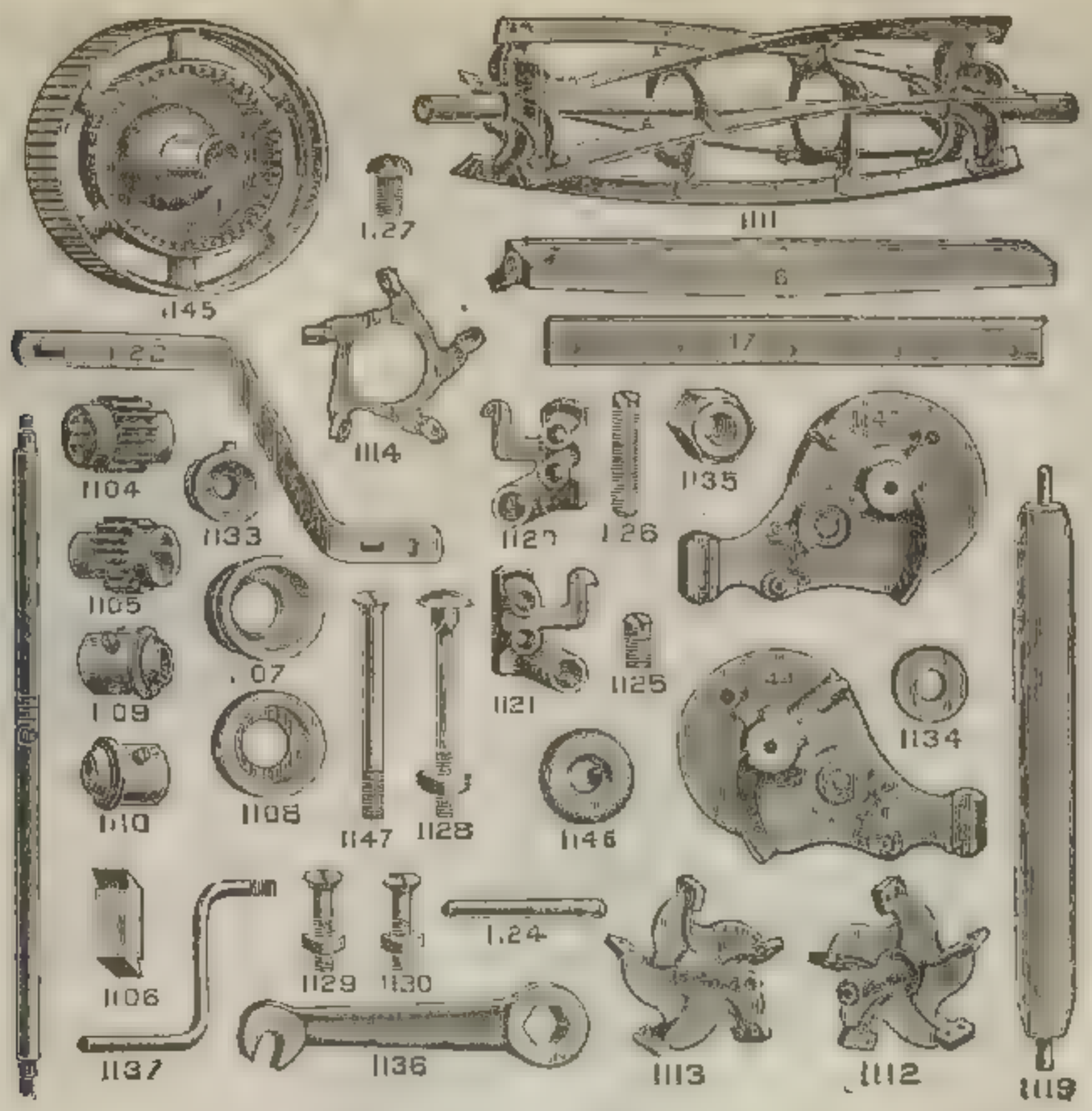
‡**No. CP30**—Width of Cut 30 inches; Extreme Width 37 inches; Weight, Boxed, 115 lbs.; Beautifully Finished..... **$90.00**

Items Marked ‡ Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory, Richmond, Ind.

TRADE MARK REGISTERED IN THE U. S. PAT OFFICE

LAWN MOWER PARTS

★DIAMOND EDGE



PRICE LIST OF EXTRAS

Instructions for Ordering

1st—Give Number and Description of Part. **2nd**—Always Give Name and Size of Machine

Nos. Name	Weight	Each	
✣1101—Same as No. 1143L. H. Side Plate, with Cup	3½ lbs.	$6.00	4.00
✣1102—Same as No. 1144 Driving Wheel R. H. Side Plate with Cup	3½ lbs.	6.00	4.00
✣1103—Same as No. 1145, Driving Wheel both Alike	7 lbs.	4.50	3.00
✣1104—L. H. Pinion, 13-16 inch Hole	5 ozs.	.75	.50
✣1105—R. H. Pinion, 13-16 inch Hole	5 ozs.	.75	.50
✣1106—Steel Pawl	1 oz.	.15	.10
✣1107—Ball Cup, Without Balls	3 ozs.	.90	.60
✣1108—Dust Cap for Ball Cup	1 oz.	.30	.20
✣1109—L. H. Cone	4 ozs.	1.20	.80
✣1110—R. H. Cone	4 ozs.	1.20	.80
✣1112 L. H. Cylinder Head	19 ozs.	3.60	2.40
✣1113—R. H. Cylinder Head	19 ozs.	3.60	2.40
✣1114 Cylinder Ring	9 ozs.	.90	.60
✣1120—L. H. Roller Bracket	7 ozs.	.45	.30
✣1121—R. H. Roller Bracket	7 ozs.	.45	.30
✣1123—Wood Handle	3¼ lbs.	2.30	1.50

Nos. Name	Weight	Each	
✣1124—Steel Pin for Cone, ⅛x1¼ inch	1 oz.	$0.15	.10
✣1125—Steel Set Screw for Cone, 5-16x9-16	1 oz.	.15	.10
✣1126—Set Screw for Bed Plate, 5-16x1¼	1 oz.	.15	10
✣1127—Machine Screw for Spiral Blade	1 oz.	.15	.10
✣1128—Bolt for Handle Braces, ¼x3	2 ozs	.15	.10
✣1129—Bolt for Cast Back, ¼x1⅜	1 oz.	.15	.10
✣1130—Bolt for Roller Bracket, ¼x1¼	1 oz.	.15	.10
✣1133—Washer for Bed Plate, ¼	1 oz.	.15	.10
✣1134—Washer for Roller or Handle Bolt	1 oz.	.15	.10
✣1135—Nut for End of Shaft	1 oz.	.15	.10
✣1136—Wrench	6 ozs	.15	.10
✣1137—Sharpening Crank	4 ozs	.30	.20
✣1138—Balls and Retainer for One Cup	2 ozs	.90	.60
✣1139—Rivets for Cyl. Knives	1 oz.	.15	.10
✣1140—Roller Pins	3 ozs	.25	.15
✣1146—Washer for Wheel Bearing	1 oz.	.15	.10
✣1147—Bolt for Wheel Bearing, ¼x3¼	2 ozs	.30	.20
✣1148—Steel Stud for Side Plate	7 ozs	1.20	.80

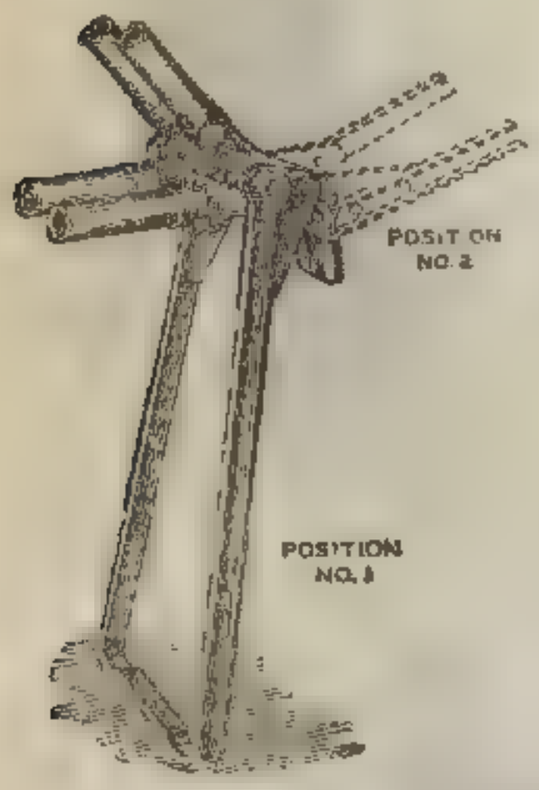
	15 inch		17 inch		19 inch		21 inch	
Nos. Name	Weight	Each	Weight	Each	Weight	Each	Weight	Each
✣1111—Reel, Complete, 5 Knives	7¼ lbs.	$16 50 11 00	8½ lbs.	$18 00 12 00	9 lbs.	$19 50 13 00	11 lbs.	$21 00 14 00
✣1115—Spiral Blade for Reel	9 ozs.	2 40 1 60	10 ozs.	2 70 1 80	12 ozs.	3 00 2.00	1 lb	3 30 2 20
✣1116—Bed Plate for Cutter Bar	3½ lbs	3 30 2 20	4 lbs.	3 60 2 40	4½ lbs.	3 90 2.60	5¼ lbs.	4 20 2 80
✣1117—Blade for Cutter Bar	1⅛ lbs.	2 30 1.50	1¼ lbs.	2 60 1 70	1⅜ lbs.	2 90 1 90	1½ lbs.	3 20 2 10
✣1118—Shaft	2⅛ lbs.	1 80 1 20	2¼ lbs.	2 10 1 40	2⅜ lbs.	2 40 1 60	2⅝ lbs.	2 70 1.80
✣1119—Wood Roller	1¼ lbs.	1 50 1 00	1⅜ lbs.	1 65 1 10	1½ lbs.	1 80 1 20	1¾ lbs.	2 00 1 30
✣1122—Handle Brace	1¼ lbs.	1 05 .70	1⅜ lbs.	1.20 .80	1½ lbs.	1.35 .90	1½ lbs.	1.50 1.00

Items Marked ✣ Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory, Philadelphia, Pa.

BICYCLE STANDS

Galvanized Steel Sidewalk Racks. Floor Space Required, 20x22 inches; Blank Space for Dealer's Sign, 7½x21 inches; Accommodates Eleven Wheels.

	Each
✣No. 10—Weight Each, 10 lbs. Loose	$9.50



Position No. 1—Shows Stand as it May be Locked When in Use.

Position No. 2—Shows Stand as it May be Locked When Suspended or Out of Use.

CLIMAX

Supports the Bicycle Without Any Forward Braces to Come in Contact With the Chain or the Enameled Portion of the Frame. Cannot Mar the Enamel; Swings on Rivets Immediately in Rear of the Axle the Main Supporting Legs Swinging Directly Under the Axle and Thus Supporting the Axle in its Elevated Position Allowing the Wheel to Run Full; it Requires No Exchange of Axle Nuts, Obviating the Inconvenience of Matching Thread for the Various Axles of Coaster Brakes, so the Purchaser Can be Assured in Advance it Will Fit to Any Bicycle Made Without Extras of Any Sort.

Made of Drop Forged Channel Steel; Black Japanned; Height, 15 inches; Width of Bottom, 9 inches; Complete, with Bolts and Nuts.

	Per Dozen
No. 10—Weight Each, 1¾ lbs	$6.70
No. 10J—For 26 inch Juvenile Bicycles; Weight, 1½ lbs. Loose	8.50

MEYERS

Galvanized Steel Stands, Thoroughly Well Made from Stock ⅜ inch Thick and ¾ inch Wide; Adjustable by Means of Notched Bar, Reaching from One Frame to the Opposite One, from 12 to 15 inches. Stands 16 inches High; Measurement at Top, 4½ inches; at Bottom, 11 inches; Can be Used With Any Size or Style of Bicycle.

	Per Dozen
No. 11—Weight Each, 7 lbs. Loose	$29 80

MOTORCYCLE WATCHES

NEBO

Fasten to Handle Bars of Motorcycle or Bicycle.

Polished Solid Brass Case, Holding a Complete Watch; 1 Day Time; Stem Wind and Set; 1⅛ inch Dial; Height, 2¾ inches; Width 2⅛ inches.

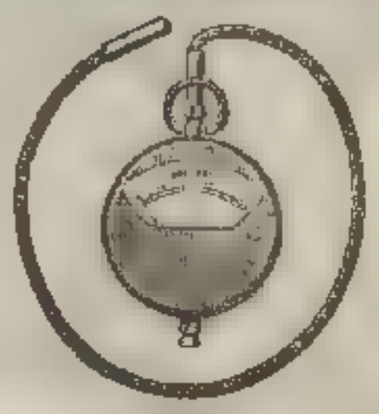
	Each
No. NB—Weight Each, ¾ lb. One in a Box	$5 00

FIAT

Polished Solid Brass Case, Holding a Complete One Day Movement Watch; Stem Wind and Set; 1½ inch White Dial, Size of Case 2⅛ inches in Diameter.

	Each
No. FB—Weight Each, 5 ozs. One in a Box	$8.00

BATTERY TESTERS



No. 1002

No. 1003

For Gauging the Strength of a Cell or Battery. When Connected in Series One Dead Cell Will Kill the Circuit. The Ammeter Detects the Inactive Cell.

The Readings are Controlled by a Fine Phosphor Bronze Spring, Which is Very Accurate, Indispensable to Merchants in Enabling Them to Test Shipments to Protect Themselves Against Exhausted Batteries.

Nickel Plated Brass Case; White Dial; Glass Face; 2 inch Diameter; 12 inch Braided Cord.

	Each
For Testing the Amperage	
No. 1002—0 to 30 Amperes	$1.50
For Testing Amperage and Voltage	
No. 1003—0 to 30 Amperes; 0 to 8 Volts. One in a Box; Weight 3 ozs.	1.80

MOTORCYCLE TIRE CHAINS

WEED

Size Tire, Inches	28x3
Weight Each, lbs.	3½
Each	$3 80

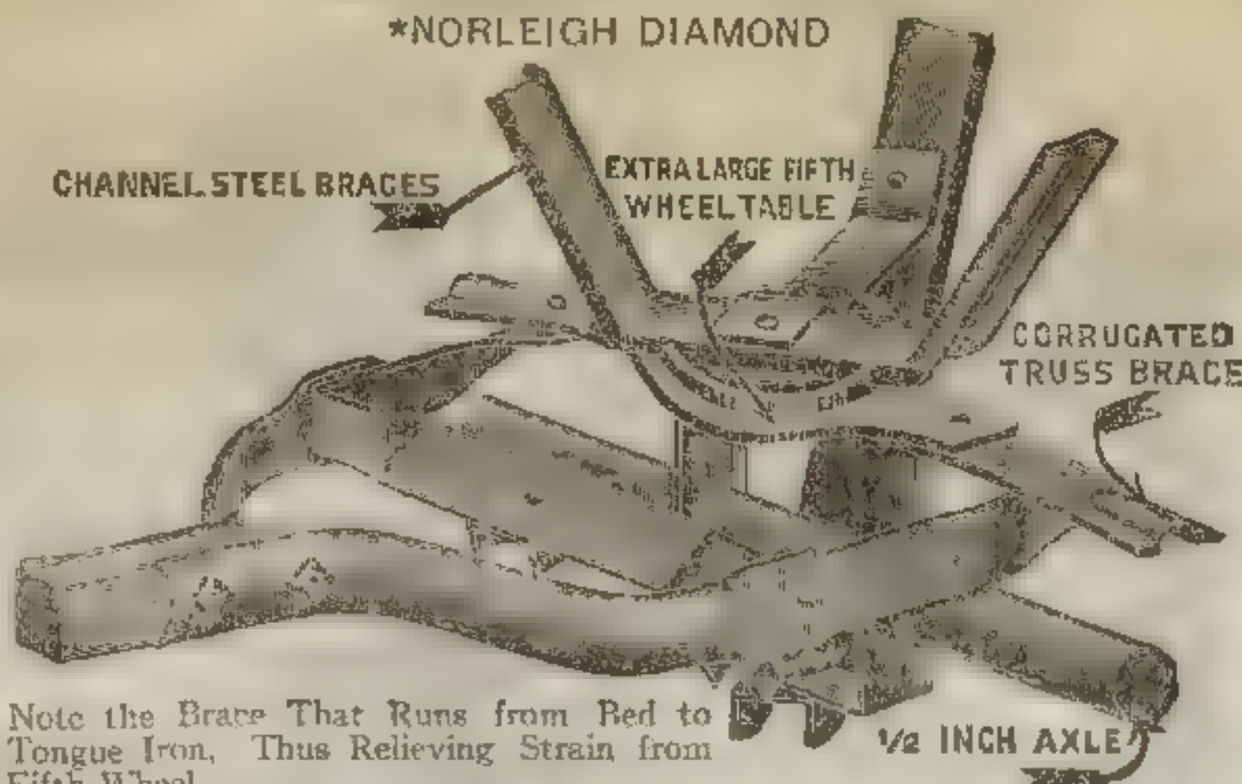
One in a Bag

Items Marked ✣ Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory, Utica, N. Y.

TRADE MARK REGISTERED IN THE U. S. PATENT OFFICE

BOYS STEEL WAGONS

*NORLEIGH DIAMOND



Note the Brace That Runs from Bed to Tongue Iron, Thus Relieving Strain from Fifth Wheel.

TRADE MARK REGISTERED IN THE U. S. PATENT OFFICE

Illustration Shows Norleigh Diamond Fifth Wheel and Gear, Which is the Strongest and Most Practical

It is Different From All Others Made From Extra Heavy 10 Gauge Channel Steel. Others Use Light 12 or 14 Gauge Steel

We Use 1½ inch Steel Axles—Ordinary Wagons Have ⅝ inch.

The Top Part of the Fifth Wheel is Turned or Welded (Not Riveted) Around the Lower Part.

Has Three Reinforcing Channel Steel Braces; One Runs From Bed to Extreme Bottom Part of Fifth Wheel, One From Top of Fifth Wheel to Rear Brace, and the Other From Bottom of Fifth Wheel to Handle Iron.

This Construction Makes it Possible for the Norleigh Diamond Fifth Wheel and Gear to Support a Weight of More Than 200 pounds While Others Crush Down Under 100 pounds.

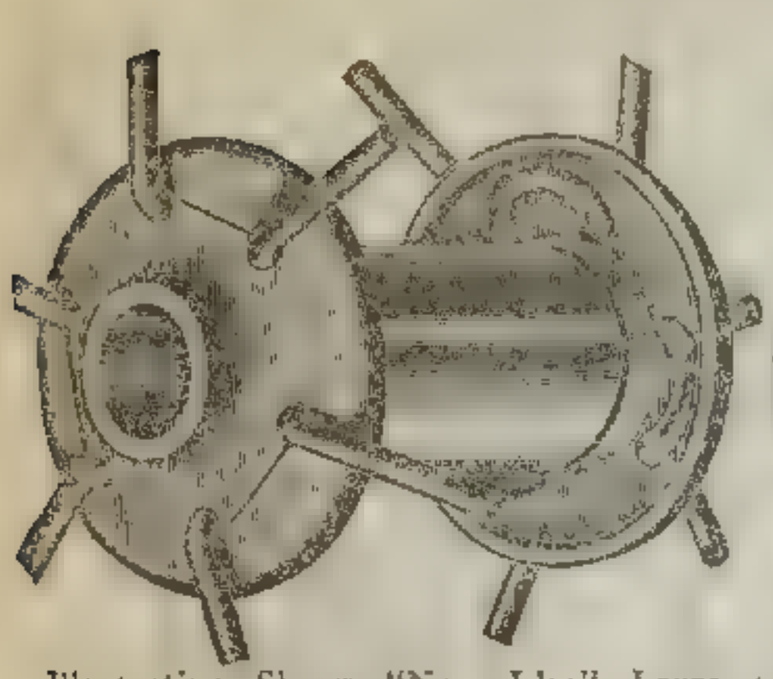


Illustration Shows "New Idea" Large Barrel Anti-Friction Outer Bearing Hub, Used on Norleigh Diamond Wagons.

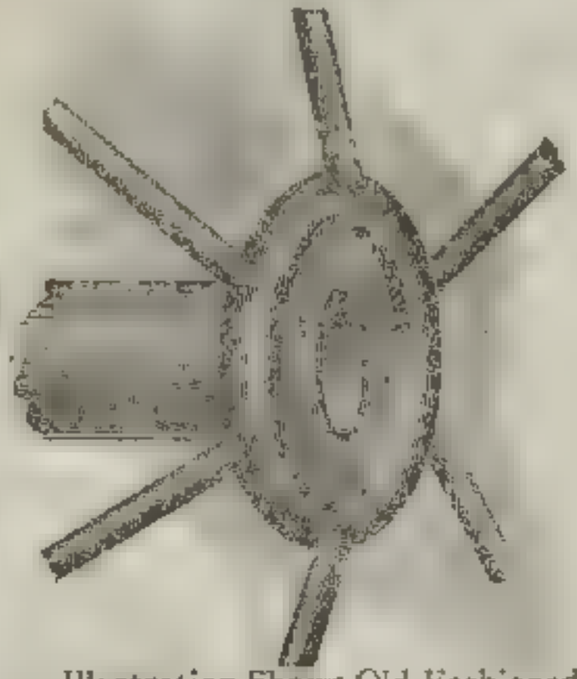


Illustration Shows Old Fashioned Small Spindle Hub, Used on All Other Boys Wagons

Illustration Shows Width and Thickness of Norleigh Diamond Tires.

Illustration Shows Tires Used on Other Wagons.

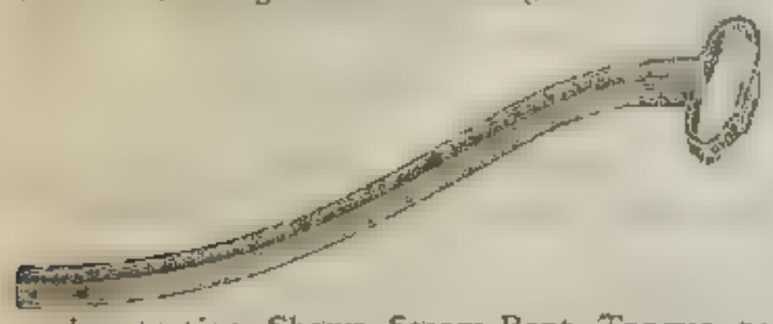


Illustration Shows Stream-Bent Tongue as Used on All Norleigh Diamond Wagons. These Tongues Will Always Stand Back Against Bed of Wagon and Will Not Fall Down to be Tripped Over, Stands Back Far Enough to Enable Child to Sit in Rear of Wagon and Steer With Tongue While Coasting

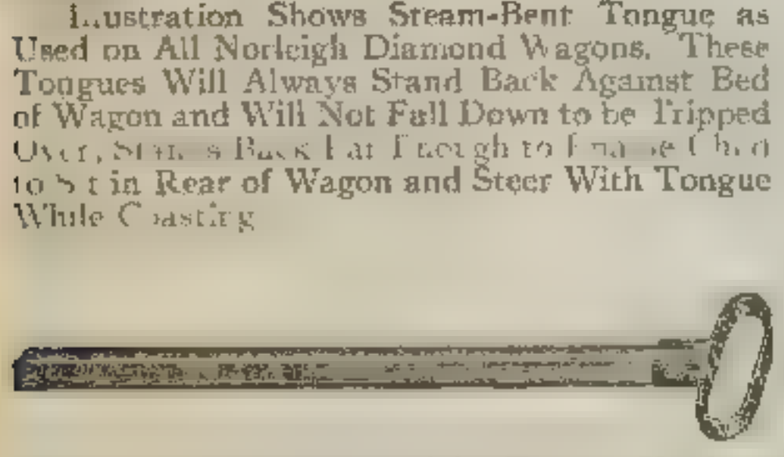


Illustration Shows Straight Tongue Used on Ordinary Wagons. Will Seldom Stand Back Against Bed of Wagon; a Source of Danger in Children Tripping Over the Tongue When Down on the Ground.

Four 1½ inch Reinforcing Cleats Used on All of the Six Largest Sizes of Norleigh Diamond Wagons.

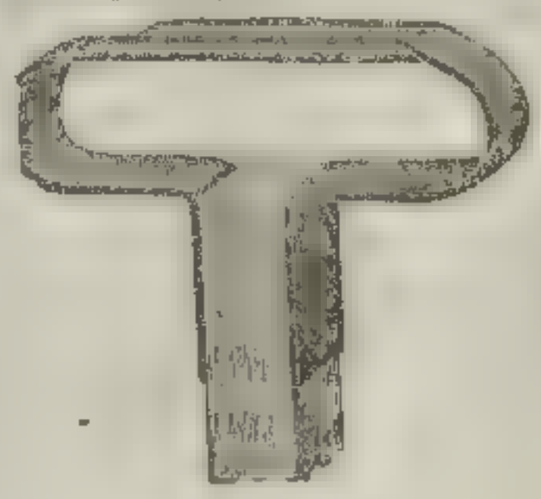


Illustration Shows Tongue and New Idea" Seat Lap Used on Norleigh Diamond Wagons.

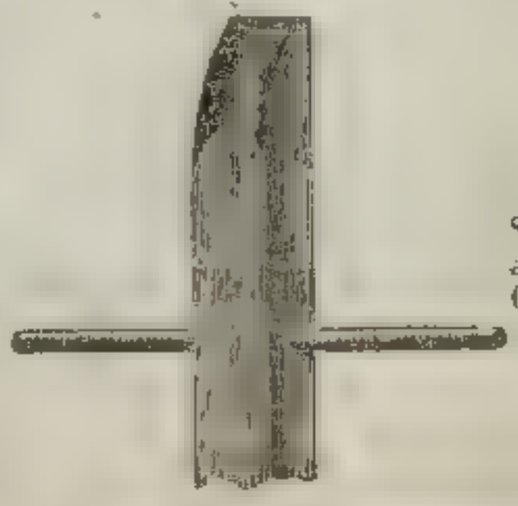


Illustration Shows Tongue and Pin Used on Other Wagons.

Steel Washers Under Head of the Bed Bolts Prevent the Bolts From Being Forced Through the Bed Bottom.

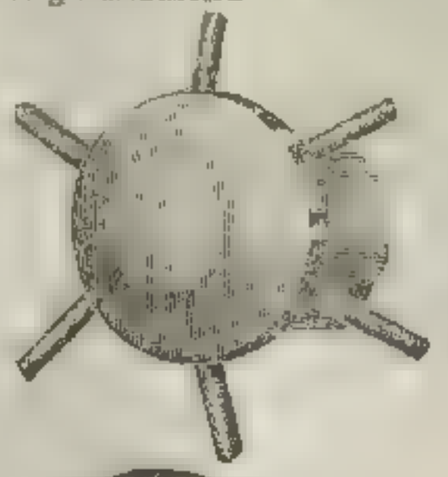


Illustration Shows Hub Cap Furnished on Norleigh Diamond Wagons.

Illustration Shows Common Iron Axle Nut Furnished on Other Wagons.

Illustration Shows Lock Washer Used on Norleigh Diamond Wagons.

Norleigh Diamond "New Idea" Packing Steel Tired Wagons. Sixth Dozen in Fiber Carton, All Carefully Wrapped in Extra Heavy Paper to Preserve Enamel. Cartons are Made of Heavy Fiber and Thoroughly Protect Wagons in Transit.

WRAPPING PAPER PRINTED FREE OF CHARGE

When Ordered in Six Roll Lots or More We will Print, in Black, Wrapping Paper Described on Page 907 with Any Design Illustrated on this and Preceding or Following Pages.

In Addition to Illustration, We will Print Firm's Name and Address, in Prominent Type to Occupy a 2 Inch Space.

When Sending Matter for Card State Clearly just what is Wanted.

Write Firm Name and Address Plainly.

Order By Design Number

As All Paper is Printed to Order there will be a Delay in Shipping of from Two to Three Days.

If Printing is Wanted Done with Colored Ink We Charge Ten Cents net per Roll to Cover Additional Cost of Ink.

We are Prepared, in Six Roll Lots or more, to Print Special Advertisements, Free of Charge for Customers, Other Than Those Shown on these Pages, Customer to Furnish Electro.

Write Advertisements Clearly.

Spell Firm's Name and Address Correctly.

WE DO NOT PRINT LESS THAN SIX ROLLS FREE OF CHARGE

Bridge TOOLS AND CUTLERY

We sell the Celebrated Line of Bridge Tools and Cutlery.

HIGH GRADE IN EVERY PARTICULAR

DESIGN Q

DIAMOND BRAND ATHLETIC GOODS

The Newest Patterns, the Best Quality, and Lowest Prices consistent with that Quality, is what Diamond Brand in Athletic Goods means to you. It is for this reason that we carry this brand. It protects you and protects us.

LET US SHOW YOU

DESIGN R

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE

WRAPPING PAPER PRINTED FREE OF CHARGE

We show the following Design to be used in Printing Wrapping Paper. The Customers Name, Card and Address is set up in prominent type. In ordering designate by number of Design.

WE DO NOT PRINT LESS THAN SIX ROLLS FREE OF CHARGE

"DIAMOND EDGE IS A QUALITY PLEDGE"

GARDEN TOOLS

DESIGN T

SHAPLEIGH HARDWARE CO. DE DIAMOND EDGE.

HARMOGRAPH TALKING MACHINES

PLAY ANY DISC RECORDS MADE

TONE

Harmograph Talking Machines Have Long Had a Reputation for Being Marvelous Tone Reproducers. The Softest Strains of the Violin, the Clear Notes of the Soprano, the Full Rich Melody of Orchestras as well as the Syncopating Jazz Bands Are All Reproduced Perfectly and Naturally. This is Due, Principally, to the Scientific Construction of the Harmograph Tone Chamber.

CABINET

Harmographs are Designed Along Lines that Please the Artistic Eye. They Are Symmetrical in Dimensions and Compare Favorably with Any Phonograph on the Market. All Panels are 9/16 inch Thick, 5 Ply, Genuine Veneers. The Finish is Unexcelled. None but Thouroghly Seasoned Especially Selected Panels Used.

EQUIPMENT

Tonearm, Especially Designed and Constructed Along Our Own Ideas. Equipped with Universal Sound Box Which Permits the Playing of All Makes of Disc Records.

Motors are Simple, Durable and Efficient; Can be Wound While Playing.

HW5175

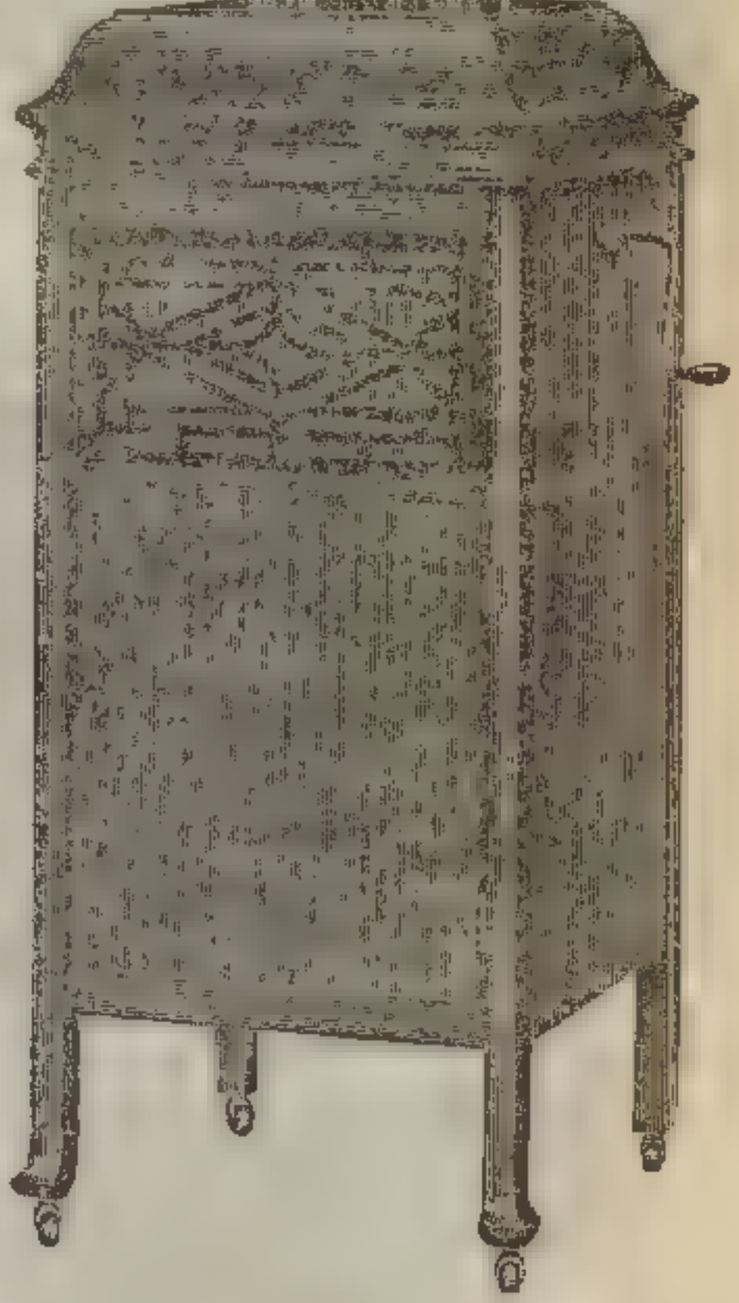
47½ inches High; 21½ inches Wide; 22 inches Deep; Shipping Weight, 153 lbs.

Nickel Plated Equipment	Each
No. HW5175—American Walnut, Without Automatic Stop	$150 00
No. HW5175S—American Walnut, Complete with Automatic Stop	152 50
No. H5175—Mahogany, Without Automatic Stop	150 00
No. H5175S—Mahogany Complete with Automatic Stop	152 50
No. HF5175—Fumed Oak Without Automatic Stop	150 00
No. HF5175S—Fumed Oak Complete with Automatic Stop	152 50
No. HG5175—Golden Oak, Without Automatic Stop	150 00
No. HG5175S—Golden Oak, Complete with Automatic Stop	152 50

H5135

47 inches High; 21 inches Wide 21½ inches Deep; Shipping Weight, 148 lbs.

Nickel Plated Equipment	Each
No. H5135—Mahogany, Without Automatic Stop	$100 00
No. H5135S—Mahogany, Complete with Automatic Stop	102 50
No. HF5135—Fumed Oak, Without Automatic Stop	100 00
No. HF5135S—Fumed Oak, Complete with Automatic Stop	102 50
No. HG5135—Golden Oak Without Automatic Stop	100 00
No. HG5135S—Golden Oak, Complete with Automatic Stop	102 50



HF5100

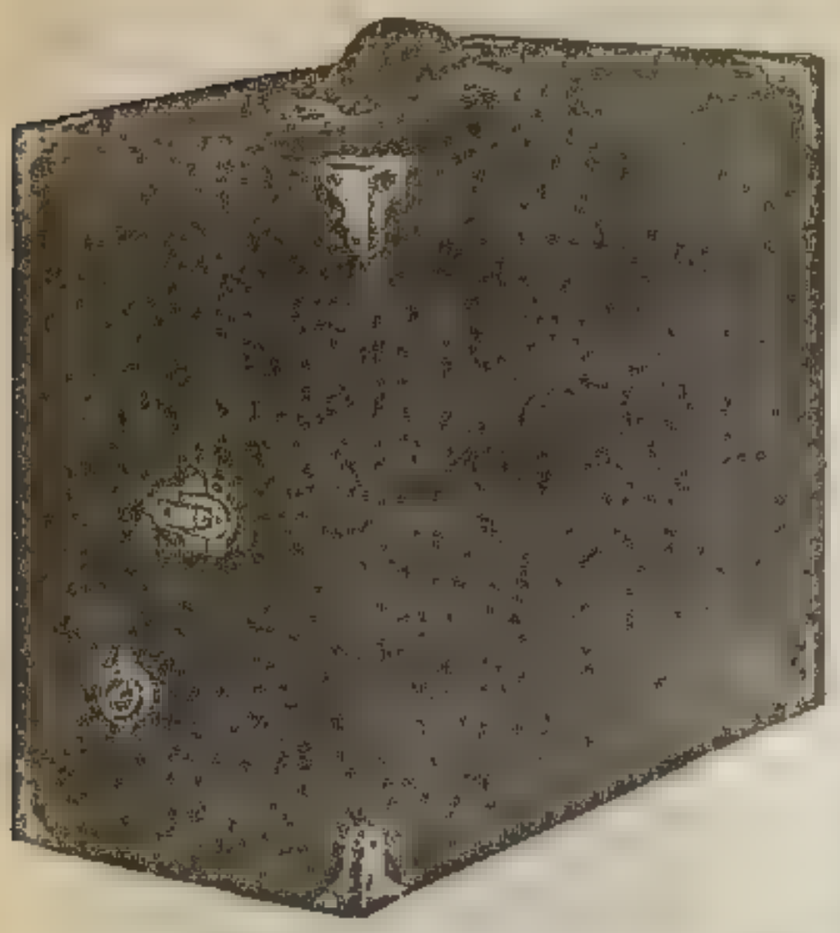
44 inches High, 19 inches Wide, 20½ inches Deep; Shipping Weight, 125 lbs.

Nickel Plated Equipment	Each
No. HF5100—Fumed Oak, Without Automatic Stop	$70 00
No. HF5100S—Fumed Oak, Complete with Automatic Stop	72 50
No. HG5100—Golden Oak, Without Automatic Stop	70 00
No. HG5100S—Golden Oak, Complete with Automatic Stop	72.50

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE

CARRY THEIR VOICES WITH YOU!

Announcing the Harmograph Portable



14x15½x8 inches and Weighs Only Twenty Pounds

A Wonderful Combination—The Most Complete and Compact Portable of Highest Quality.

Note Especially These Improved Features. Many of Them Found Exclusively in the Harmograph Portable

A—"Paco" File, Felt Lined, Holds 10 Records.

B—Adjustable Compartment Containing "Paco" File.

C—Special Felt Cover for Needle Cup Prevents Spilling Needles While Machine is Being Carried.

D—Special Catch to Hold Record Compartment.

E—Lid for Sound Chamber Can be Placed in Any Position to Regulate Volume, Also Serves as a Carrier for Crank and Tone Arm While Machine is Carried.

F—Automatic Lid Support, Holds Top Rigid While Machine is Open.

G—Base for Tone Arm.

H—Automatic Stop—The Latest Improved and Most Efficient Stop Made.

I—Neat Leather Handle, Fits the Hand and Makes it Easy to Carry.

J Needle Cup.

K—Speed Regulator.

L—Finest Grade of Dupont Fabrikoid.

M—Ornamental Corner Irons Heavily Plated Protects the Fabrikoid and Gives Additional Strength to the Case.

N—Genuine Mahogany Panels, ½ inch; Highly Polished.

O—Winding Crank.

P—Collapsible Tone Arm, Strongly Made, Producing a Clear, Full Volume.

Q—Adjustable Bracket, Prevents Any Possible Damage to Tone Arm While Machine is Being Carried.

R—Patented Sound Chamber, Constructed on the Same Principle as Sound Waves Flowing from the Human Throat, Producing a Wonderful Volume.

S—10 inch Felt Covered Turntable.

T—Genuine Mahogany Panels, ½ inch; Highly Polished.

U—Turntable Brake.

V—Ingenious Safety Catch, Easily Operated, Yet When Locked, Keeps the Lid Closed Down Tightly, Preventing Dust, Etc., from Entering the Machine.

W—Winding Crank Spindle.

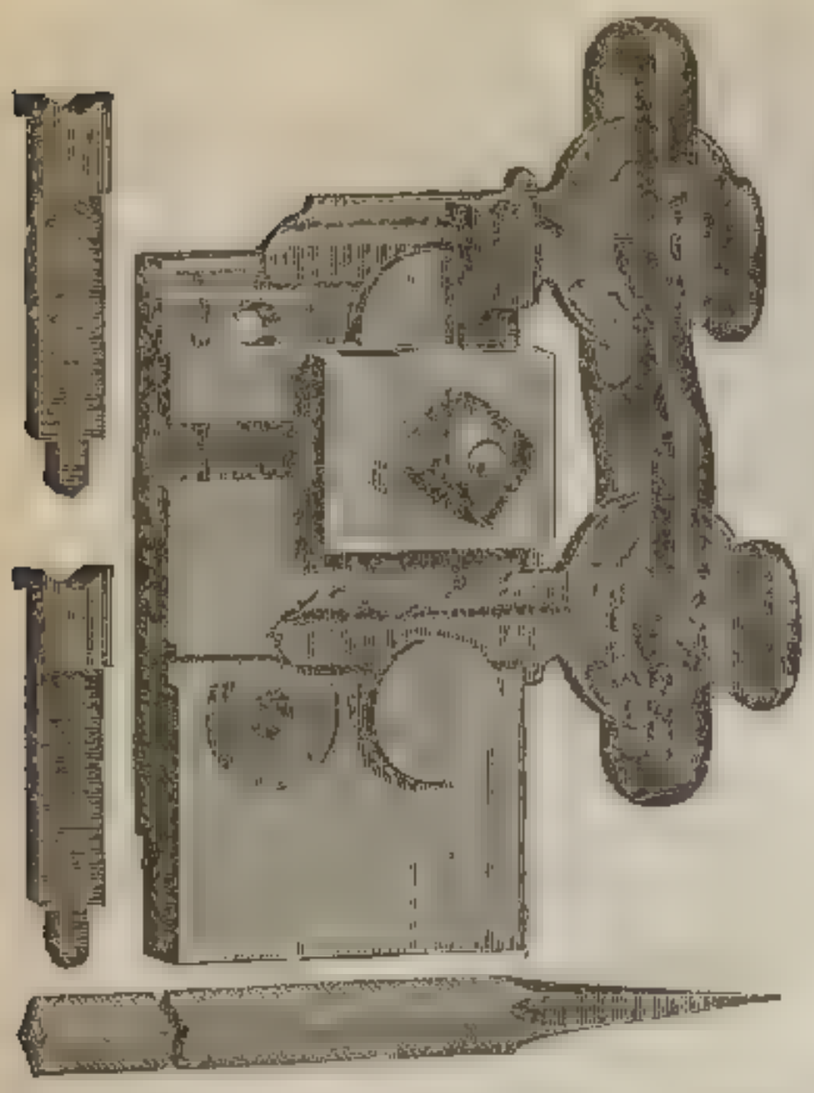
X—Screw to Adjust Modulator Lid.

Above Cuts Illustrate our "DeLuxe" Model.

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE.

KEY CUTTING MACHINES

FOR CYLINDER KEYS ONLY



HARRISON

This Machine can be Clamped in Any Vise.

Made of Steel, Milled to its Shape, Making its Accuracy Positive.

An Accurate Key Cutting Machine at a Reasonable Price. The Gauge Pins are Tempered so Hard that they Cannot be Filed; Making it Impossible to Wear Them Out

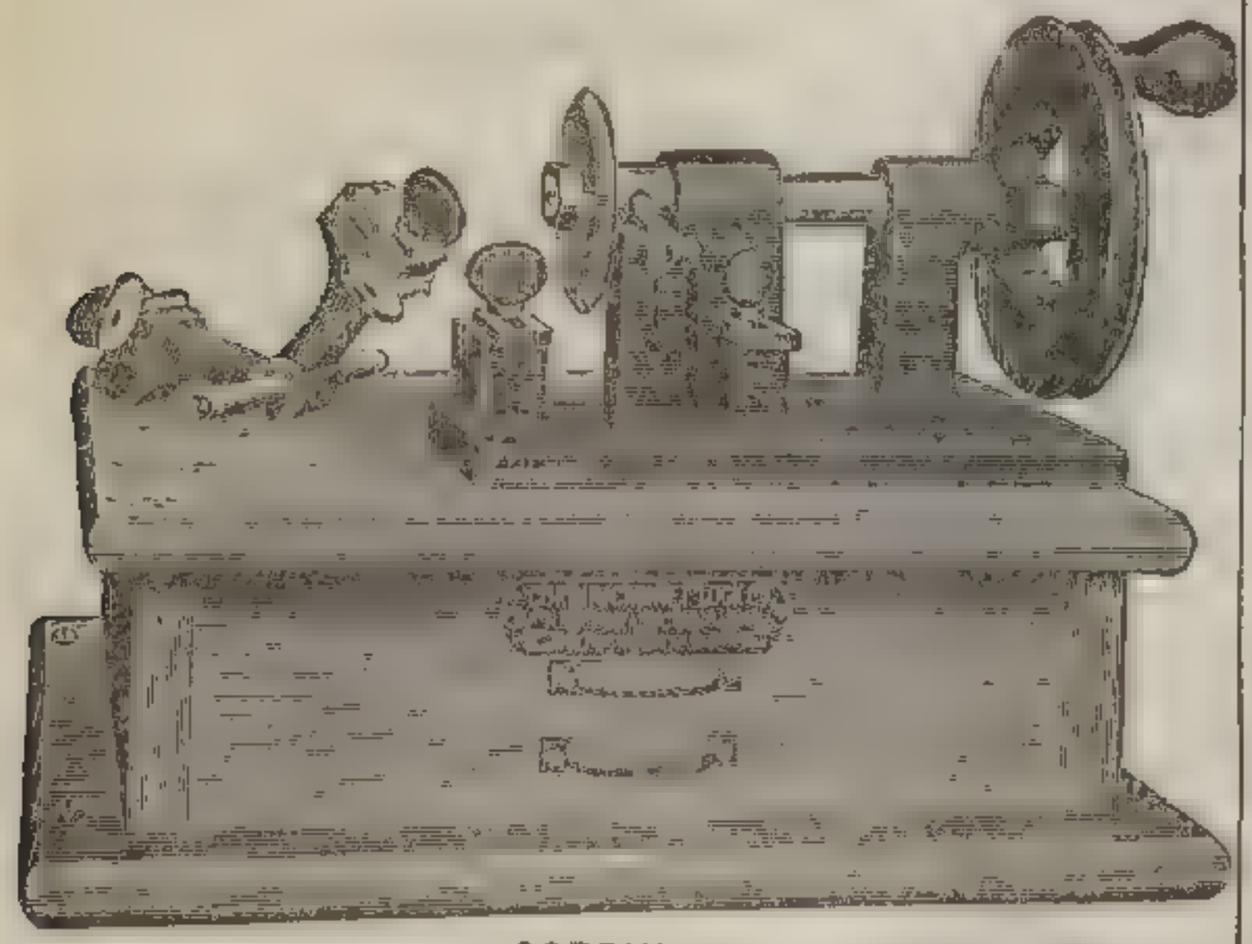
Cut Shows Gauge Pins Furnished with Each Machine, One for V Groove and One for Round Groove.

Each

No. MIP—1½x2¾ inches, Polished Steel, Brass Thumb Nuts for Holding Keys; Bow Clamp is Made of Iron, Japanned, with Japanned Thumb Screws.. . ..... **$10 00**
One in a Box; Weight Each 1 lb.

FILES

No. HF—Special Diamond Files for Use with No. MIP Machine.. **2.00**
Twelve in a Box; Weight per Box 1 lb.



CORBIN

Handsomely Finished Hardwood Cabinet, 13½ inches Long; 12½ inches Wide and 4½ inches High, with Two Drawers Partitioned off to Keep Keys Separated. Can be Operated by Hand or by Belt. Will Accurately Cut Keys for all Pin Tumbler Locks.

Each

✣**No. 9101**—Complete Cabinet, Machine and Twelve Dozen Assorted Cylinder Key Blanks..... **$70.00**
One in a Case; Weight Each, 35 lbs.

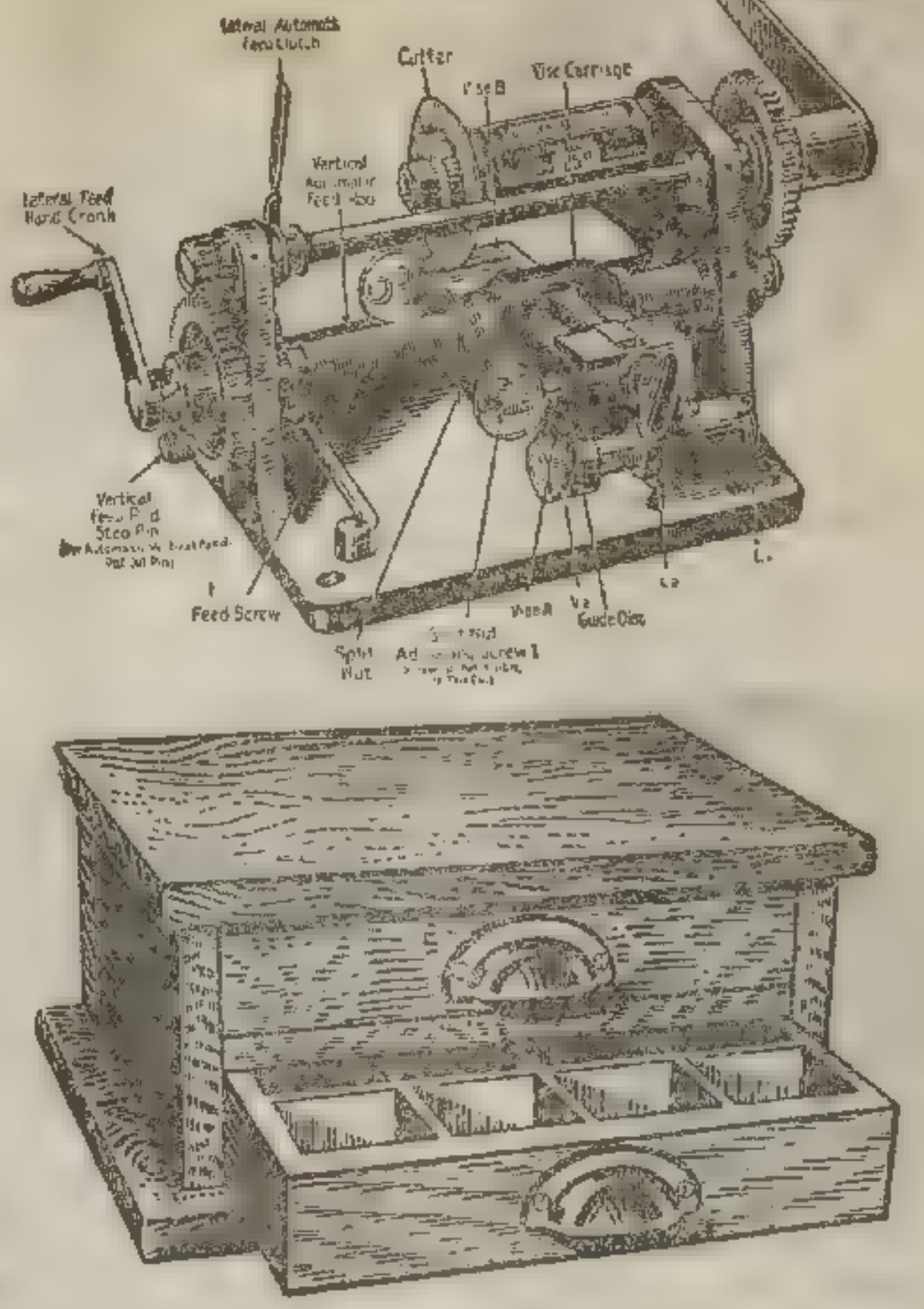
✣**No. 9101½**—Machine Only, Without Cabinet or Keys. **45 00**
One in a Case; Weight, Each 15 Lbs.

✣**No. EC9101**—Extra Cutting Wheels for Above Machine..... **6 00**
One in a Box; Weight, Each 1 lb.

KEY CUTTING MACHINES

FOR CYLINDER AND FLAT CABINET LOCK KEYS

PRECISION

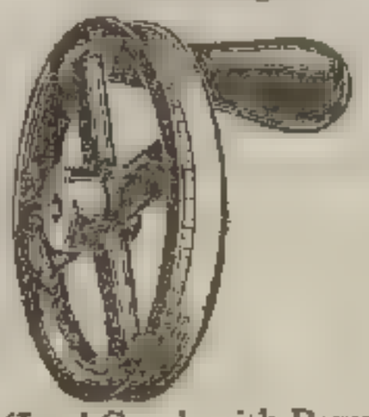


An Automatic Key Cutting Machine, Operated by Hand or Power Cuts an Exact Duplicate of Key without Injuring or Marring Pattern Key; All Types of Pin Tumbler Cylinder Keys Are Cut with the Same Cutter; the Sharpest V Shape Notches Are Cut as Easily as the Round U Shape Notches and without Changing Cutter. No Skill or Experience is Required; Misfits and Injured Originals Are Impossible with this Machine. Will Cut Keys at the Rate of One per Minute.

Will Duplicate Any Pin Cylinder Lock Key from Original or Pattern Key; Will Also Cut Flat Cabinet Lock and Other Keys Having Square Bottomed Bits. Occupies a Space Only 8x13 inches; Can Be Fastened to Counter, Work Bench or Key Blank Cabinet. Weight Packed for Shipment, 15 lbs.

Each

✣**Precision**—Machine (without Cabinet) Complete with One Bevel Cutter and Guide Disc and Hand Crank (or if so Specified Hand Crank with Power Wheel Will Be Furnished without Extra Charge)..... **$70.00**
One in a Box



Hand Crank with Power Wheel

Extra Cutter

Extra Guide Disc

Each

✣**Hand Cranks**.....**$2.50**
✣**Hand Cranks, with Power Wheels**..... **2.50**
✣**Bevel Edge Cutters**.. ..... **5.00**
✣**Square Edge Cutters 14, 15, 16, 17, 18, 19 or 20 Gauge**..... **2.5.**
✣**Bevel Edge Guide Discs** ..... **.50**
✣**Square Edge Guide Discs, 14, 15, 16, 17, 18, 19 or 20 Gauge**.... **.30**
✣**Complete Sets**. Square Edge Cutters with Discs to Gauges of Each; Including All Gauges Except 18, which Is Provided with Machine..... **20.00**
Loose

Items Marked ✣ Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory

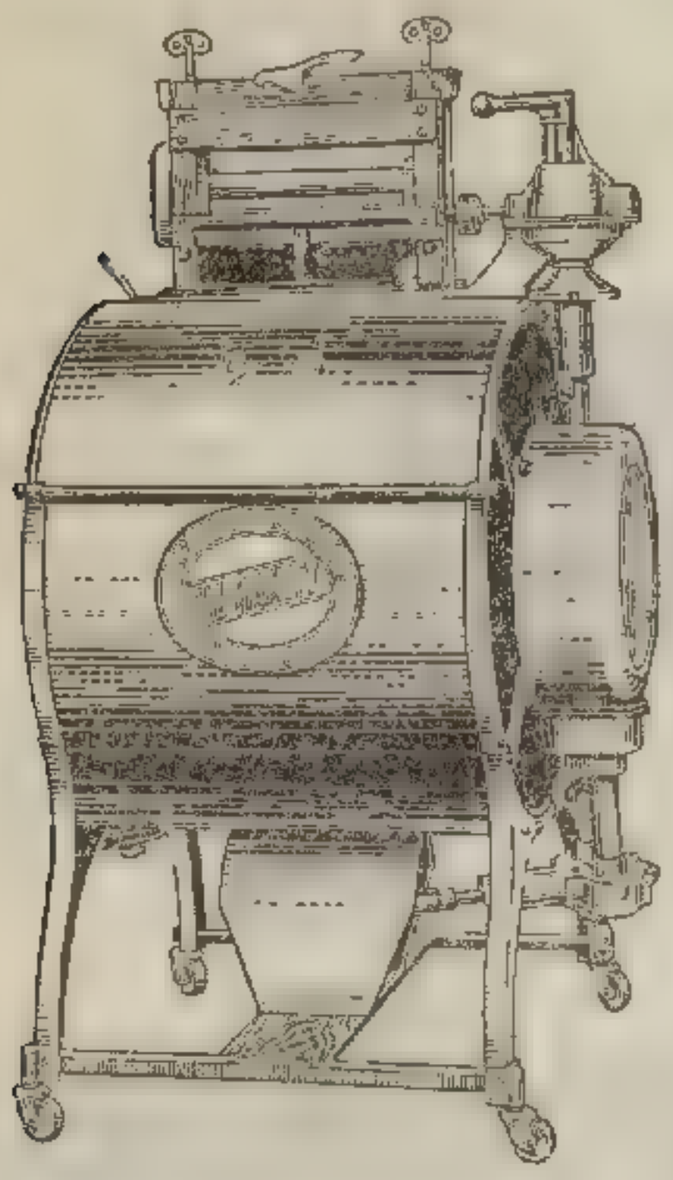
TRADE MARK REGISTERED IN THE U. S. PAT. OFF. DE.

ELECTRIC WASHING MACHINES

HUMANITY

The Humanity Electric Clothes Washer has Combined the Two Best Known Ways of Washing into One, Namely the Oscillating and Cylindrical, and Affords the Most Desired Results.

The Humanity Washes the Daintiest Garments Without the Slightest Wear or Tear.



The Cylinder is Made of Aluminum. The Holes are **Cupped Out,** which Strengthens the Cylinder and Acts the Same as a Suction Pump, Forcing the Water Through the Clothes Both Ways.

All Units are Self Lubricating with Oilless Bearings which has Sufficient Oil to Last at Least a Year.

All Units are Interchangeable and any Part can be Replaced in a Short Time.

Swinging Wringer, is Electrically Operated, is Rigid Self Supporting and Swings in a Complete Circle, has Four Locking Positions. Has 12 Inch Rolls and a Safety Release. Both the Wringer and Washer can be Operated at the Same Time or Separately.

Motor—Be Sure to Specify Alternating or Direct Current.

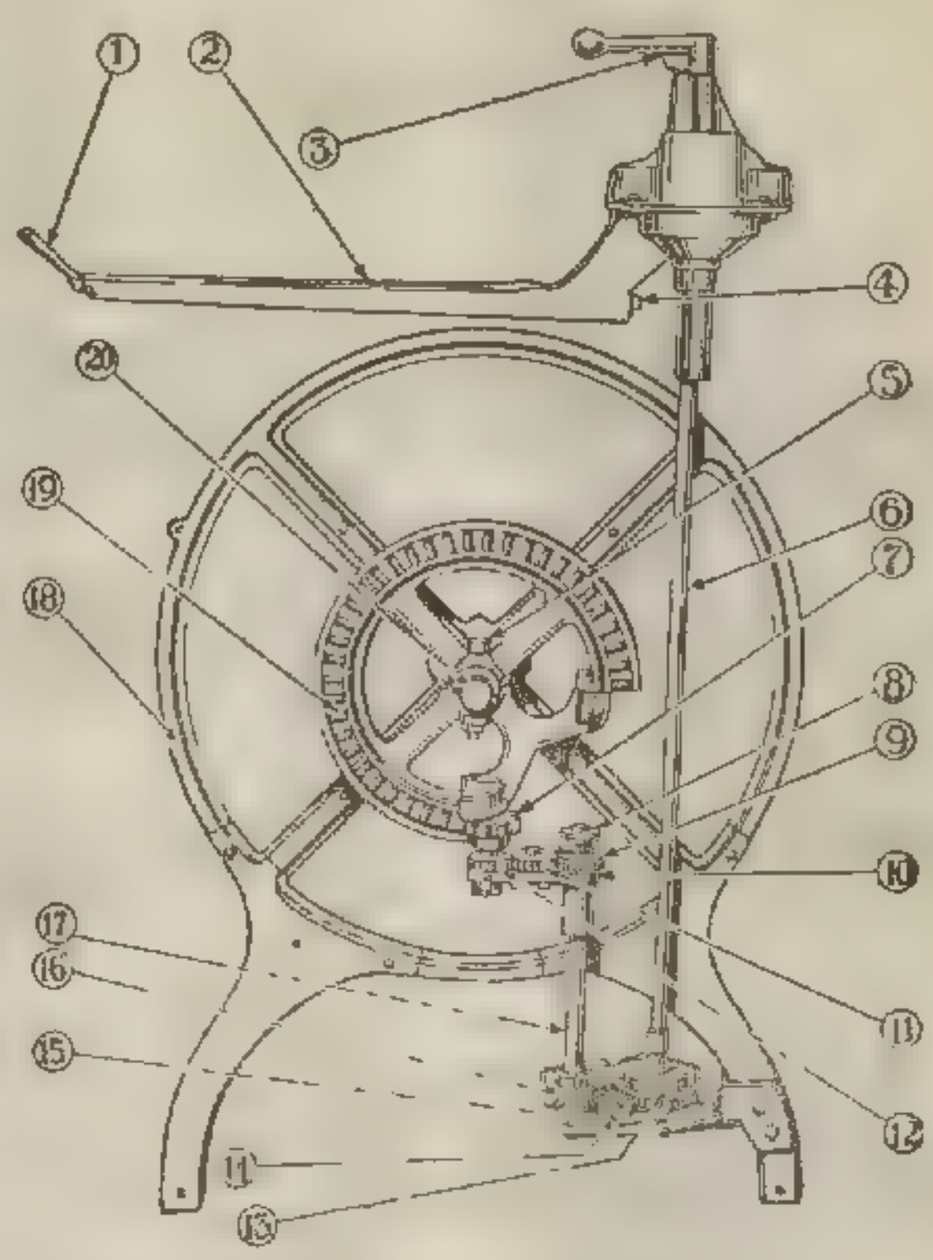
Motor—110 Volts, 60 Cycle, ¼ Horse Power.

No Springs—No Belts; All Moving Parts are Enclosed; Water can not get into Gear Case; Gearings are Made of Cut Steel and Run Noiseless.

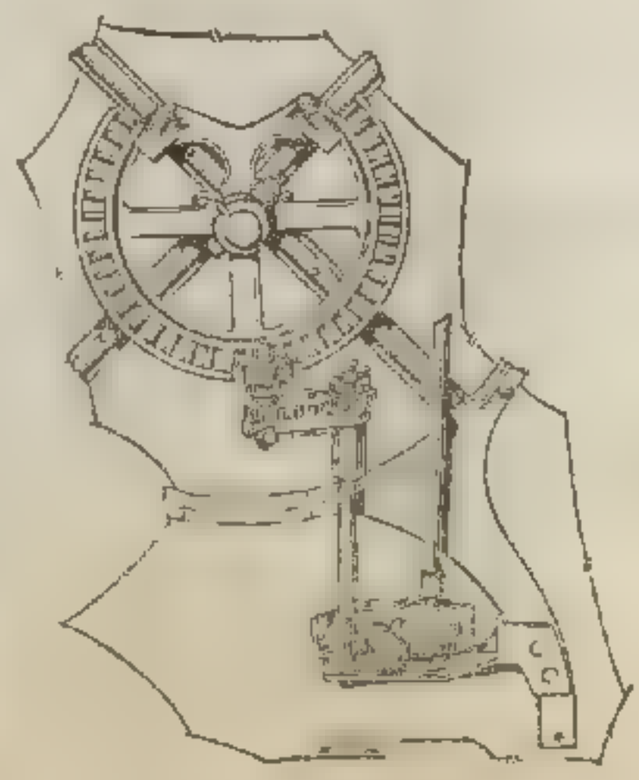
The Humanity Machine itself has the ⅞ Movement, which Gives the Cylindrical Effect, and as it Reverses on a ⅞ Movement, it Gives also the Advantages of the Oscillating Type, and this ⅞ Movement Prevents the Clothes from Turning Over, which is the Only Disadvantage of the Full Cylindrical Type.

		Each
No. HGT—Galvanized Tub, Aluminum Cylinder.....	$185.00	**$202.50**
No. HLT—Copper Tub; Aluminum Cylinder.....	150.00	**225.00**

PATENTED MECHANICAL FEATURES



1 Wringer Latch Control
2 Swinging Wringer Support
3 Wringer Control
4 Wringer Pivot
5 Oilless Bearing
6 Wringer Drive Shaft
7 Malleable Star Gear
8 Steel Clutch
9 Steel Clutch Pinion
10 Swinging Arm
11 Steel Idler Gear
12 Steel Cylinder Drive Pinion
13 Steel Wringer Worm Wheel
14 Ball Bearing Worm Thrust
15 Bronze Worm
16 Steel Cylinder Drive Worm Wheel
17 Cylinder Drive Shaft
18 Steel Frame
19 Malleable Master Wheel
20 Steel Trenion Shaft



THERE IS NOTHING TO GET OUT OF ORDER

This Patented Mechanism Insures No Sudden Stopping of Gears in Reversing the Cylinder, as it is a Continuous, Frictionless Drive.

TRADE MARK REGISTERED IN THE U. S. PAT. OFF. DE.

ELECTRIC WASHING MACHINES

HUMANITY

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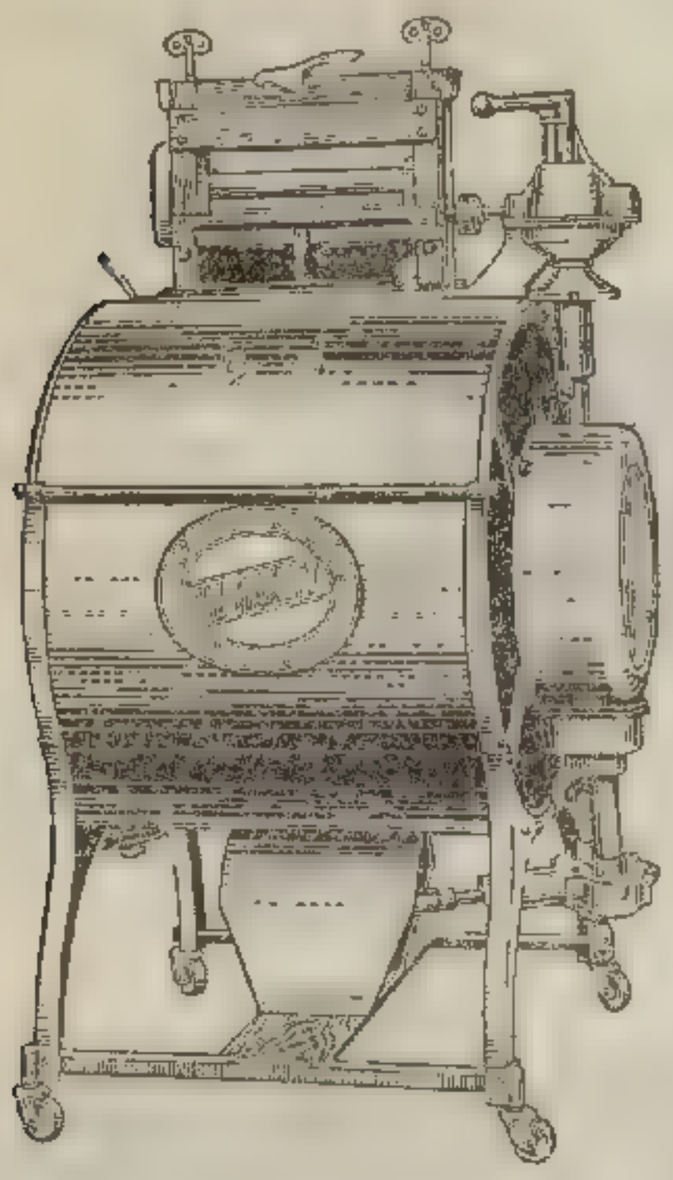

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Motor—Be Sure to Specify Alternating or Direct Current.

Motor—110 Volts, 60 Cycle, ¼ Horse Power.

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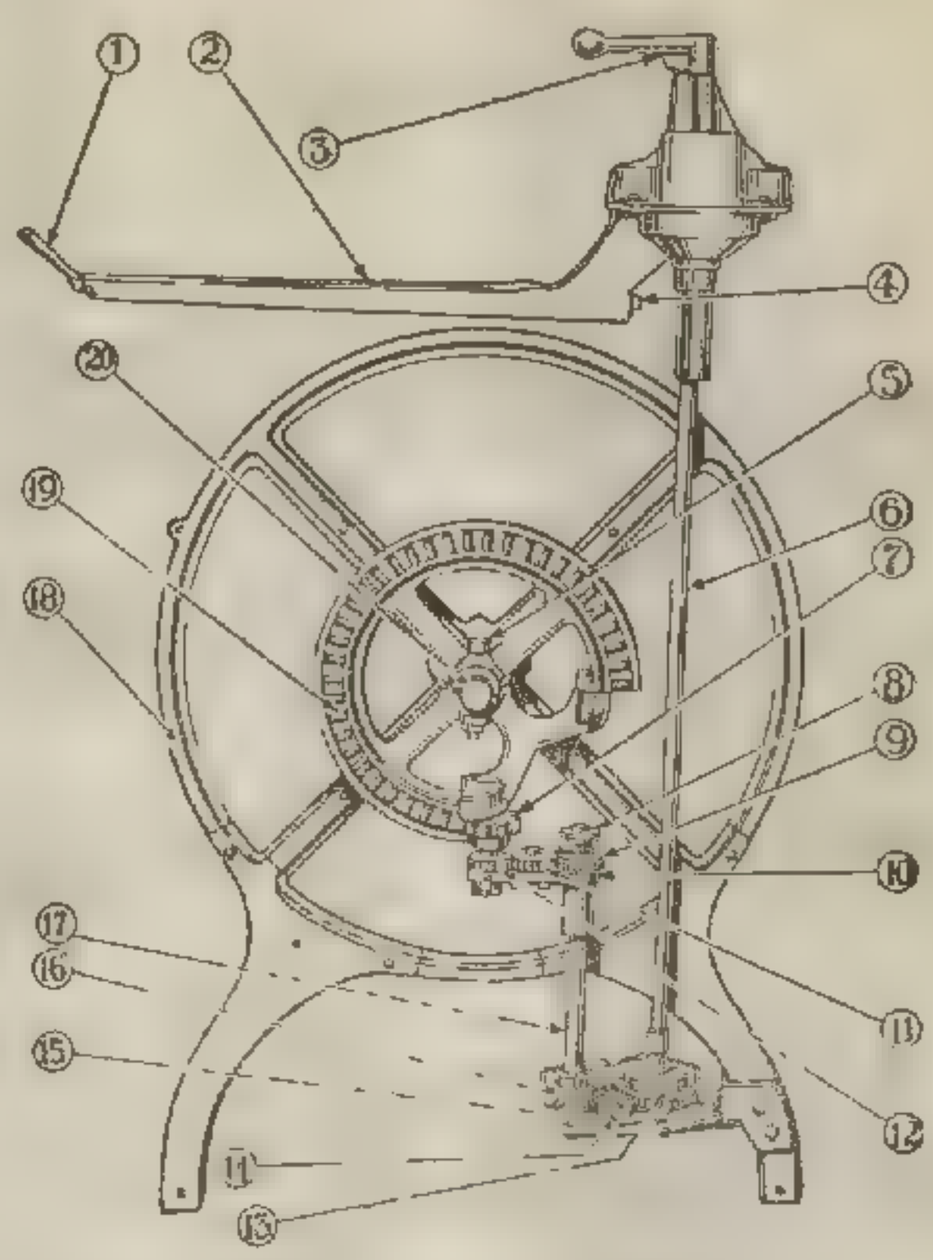
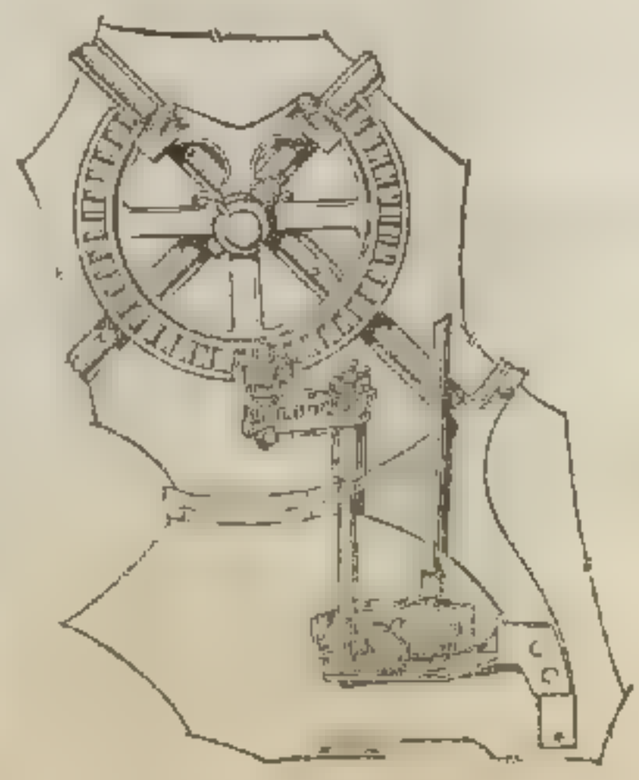


1 Wringer Latch Control
2 Swinging Wringer Support
3 Wringer Control
4 Wringer Pivot
5 Oilless Bearing
6 Wringer Drive Shaft
7 Malleable Star Gear
8 Steel Clutch
9 Steel Clutch Pinion
10 Swinging Arm
11 Steel Idler Gear
12 Steel Cylinder Drive Pinion
13 Steel Wringer Worm Wheel
14 Ball Bearing Worm Thrust
15 Bronze Worm
16 Steel Cylinder Drive Worm Wheel
17 Cylinder Drive Shaft
18 Steel Frame
19 Malleable Master Wheel
20 Steel Trenion Shaft



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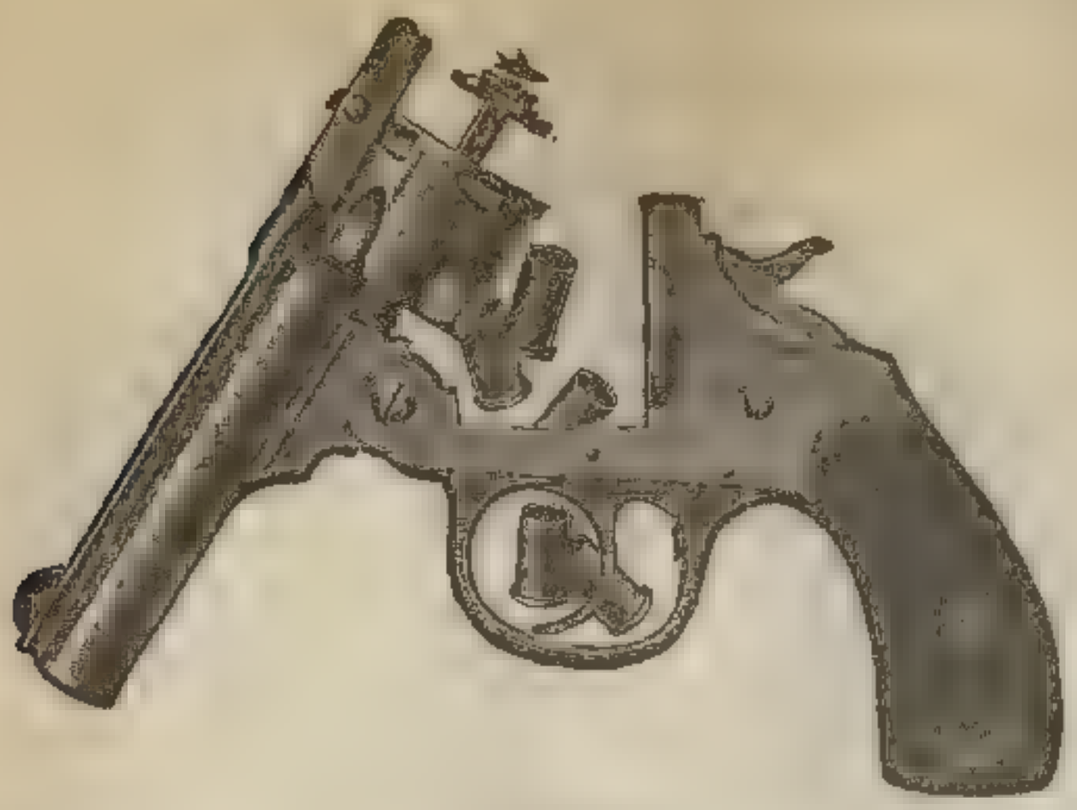
IVER JOHNSON REVOLVERS

Double Action—Automatic Ejection



HAMMER

HAMMERLESS

22 Caliber; 7 Shots; Small Frame; Shoots BB Caps, 22 SRF or 22 LRF Cartridges.

Nickel Plated

	Each
No. 2231—3 inch Barrel; Weight 12 ozs	$16.00

One in a Box

32 Caliber; 5 Shots; Small Frame; Rubber Handle, Shoots 32 S&W Central Fire Cartridges.

Nickel Plated

	Each
No. 322I—2 inch Barrel; Weight 11 ozs.; for Bicyclists	$16 00
No. 323I—3 inch Barrel; Black Rubber Handles; Weight 12 ozs.	16 00
No. G3231P—Same as Above, Only with Pearl Handles and Gold Gilt Cylinder	24 00
No. 324I—4 inch Barrel; Weight 13 ozs.	16 50

Blued

	Each
No. 2323I—3 inch Barrel; Black Rubber Handles; Weight 12 ozs.	$16 00
No. G23231P—Same as Above, Only with Pearl Handles and Gold Gilt Cylinder	24 00
No. 2324I—4 inch Barrel; Weight 13 ozs	16 50

One in a Box

38 Caliber; 5 Shots; Regular Frame; Rubber Handle; Shoots 38 S&W Central Fire Cartridges.

Nickel Plated

	Each
No. 383¼I—3¼ inch Barrel; Black Rubber Handles; Weight 17 ozs.	$16.00
No. G383¼IP—Same as Above, Only with Pearl Handles and Gold Gilt Cylinder	24 00
No. 384I—4 inch Barrel; Weight 18 ozs.	16.50

Blued

	Each
No. 2383¼I—3¼ inch Barrel; Black Rubber Handles; Weight 17 ozs.	$16 00
No. G2383¼IP—Same as Above, Only with Pearl Handles and Gold Gilt Cylinder	24 00
No. 2384I—4 inch Barrel; Weight 18 ozs.	16 50
No. 2385I—5 inch Barrel; Weight 19 ozs.	17.00

One in a Box

32 Caliber; 5 Shots; Small Frame; Shoots 32 S&W Central Fire Cartridges.

Nickel Plated

	Each
No. 322IH—2 inch Barrel; Weight 11½ ozs.; for Bicyclists	$17 50
No. 323IH—3 inch Barrel; Rubber Handle; Weight 12½ ozs.	17.50
No. 3231HP—Same as Above, Only with Pearl Handles	26.00
No. 324IH—4 inch Barrel; Weight 13¾ ozs.	18.00

Blued

	Each
No. 2323IH—3 inch Barrel; Black Rubber Handles; Weight 12½ ozs.	$17.50
No. 23231HP—Same as Above, Only with Pearl Handles	26 00
No. 2324IH—4 inch barrel; Weight 13¾ oz.	18.00

One in a Box

38 Caliber; 5 Shots; Regular Frame; Rubber Handle; Shoots 38 S&W Central Fire Cartridges.

Nickel Plated

	Each
No. 383¼IH—3¼ inch Barrel; Black Rubber Handles; Weight 18¼ ozs.	$17.50
No. 382¼IHP—Same as Above, Only with Pearl Handles	26 00

Blued

	Each
No. 2383¼IH—3¼ inch Barrel; Black Rubber Handles; Weight 18¼ ozs.	$17.50
No. 2383¼IHP—Same as Above, Only with Pearl Handles	26.00
No. 2384IH—4 inch Barrel; Weight 19 ozs.	18.00

One in a Box

SEND US ALL YOUR ORDERS WITH OUR ASSURANCE THAT WE WILL FILL THEM CAREFULLY, SHIP THEM QUICKLY AND PRICE THEM RIGHT.

TRADE MARK REGISTERED IN THE U S PAT OFFICE.

IVER JOHNSON REVOLVERS

HAMMER; WALNUT GRIP

Double Action, Automatic Ejecting

One-Piece Large Walnut Grip, Smooth Finish, No Side Screws; Grip Fastened to Frame on Under Side; Regular Frame; Especially Adapted to the Needs of Sportsmen, Target Shooters, Police Officers and Night Watchmen.

32 Caliber; 5 Shots; Shoots 32 S&W Center Fire Cartridges.

	Each
Nickel Plated	
No. 324IWG—4 inch Barrel; Weight, 16 ozs.	**$19.70**
Blued	
No. 2324IWG—4 inch Barrel; Weight, 16 ozs.	**$19.70**

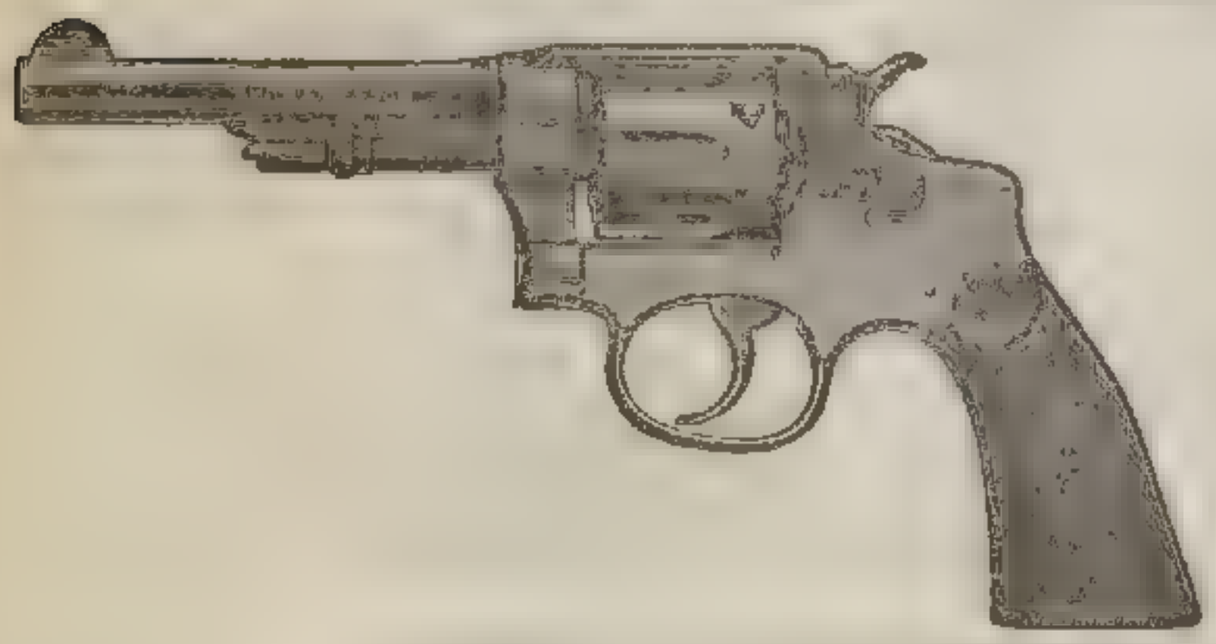
One in a Box

38 Caliber; 5 Shots; Shoots 38 S&W Center Fire Cartridges.

	Each
Nickel Plated	
No. 384IWG—4 inch Barrel; Weight, 18 ozs.	**$19.70**
Blued	
No. 2384IWG—4 inch Barrel; Weight, 18 ozs.	**$19.70**

One in a Box

SMITH & WESSON REVOLVERS



REGULATION POLICE MODEL

Double Action; Solid Frame; **Swing Out Cylinder; New Patent Safety Hammer Block;** Checkered Wood Stock.

32 Caliber, 6 Shots, Shoots 32 S&W 32 S&W Long and 32 Colt's New Police Center Fire Cartridges.

	Each
Nickel Plated	
No. 323¼SRP—3¼ inch Barrel; Weight, 19 oz.	**$46.40**
No. 324¼SRP—4¼ inch Barrel; Weight, 20 oz.	**46.40**
No. 326 SRP—6 inch Barrel; Weight, 21¾ oz.	**46.40**
Blued	
No. 2323¼SRP—3¼ inch; Barrel; Weight, 19 ozs.	**$46 40**
No. 2324¼SRP—4¼ inch; Barrel; Weight, 20 ozs	**46.40**
No. 2326 SRP—6 inch; Barrel; Weight, 21¾ ozs.	**46.40**

One in a Box

38 Caliber, 5 Shots; Shoots 38 S&W, 38 S&W Gallery, and 38 Short Colt's Center Fire Cartridges.

	Each
Nickel Plated	
No. 384SRP—4 inch Barrel; Weight, 17¾ ozs.	**$46.40**
Blued	
No. 2384SRP—4 inch Barrel, Weight, 17¾ ozs.	**$46.40**

One in a Box

DOLLS

AMERICAN

HORSMAN DOLLS

Stuffed Body; Movable Hips and Shoulders; Composition Hands; Painted Eyes and Hair; Fancy Baby Dress with Lace Trimmed Apron; Plain White Undergarments; Socks and Slippers.

Per Dozen

No. 804—Height, 14 inches; Weight per Dozen, 12 lbs **$28 80**

Twelfth Dozen in a Box

Romper Girl Doll

Stuffed Body; Composition Hands; Movable Hips and Shoulders; Painted Eyes and Hair; Fancy Two Color Printed Lawn Dress with Bonnet to Match; Plain White Undergarments; Socks and Slippers.

Per Dozen

No. 803—Height, 12½ inches; Weight per Dozen, 9 lbs..... **$24 00**

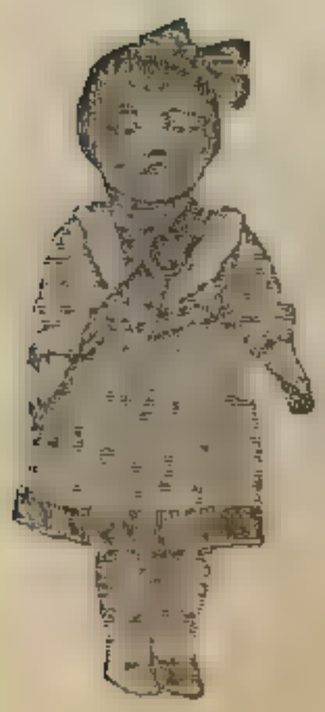
Twelfth Dozen in a Box

Stuffed Body; Composition Hands; Movable Hips and Shoulders; Painted Eyes and Hair with Ribbon Bow; Fancy Two Color Baby Dress Trimmed with Lace and Ribbon; Plain White Undergarments; Socks and Slippers.

Per Dozen

No. 802—Height, 12½ inches; Weight per Dozen, 9 lbs..... **$24 00**

Twelfth Dozen in a Box



Baby Doll

Stuffed Body; Composition Hands; Painted Eyes and Hair; Movable Hips and Shoulders; Fancy Short Pleated Baby Dress Trimmed with Lace; Fancy Bonnet to Match; Socks and Slippers; Plain White Undergarments.

Per Dozen

No. 801—Height, 14 inches; Weight per Dozen, 12 lbs..... **$24 00**

Twelfth Dozen in a Box

DOLLS

AMERICAN

MADAME HENDREN DOLLS

All Equipped With Genuine Lloyd Mama Voice

Rock-a-Bye Crying and Mama Doll Combination, With Sleeping Eyes.

This Doll is Fitted with Both Crying and Mama Voice; Each Box Packed Complete with Rockers to Make a Cradle Out of the Box; When the Doll is Rocked it Cries Continuously and Slowly Closes It's Eyes Until it is Sound Asleep, Then as the Doll is Taken Out of the Cradle She Opens Here Eyes and Says, "Mama". A Strictly New Novelty in Voice Dolls, Particularly Adapted for Demonstration Purposes.

Cotton Stuffed Body; Composition Forearms; Movable Hips and Shoulders; Sleeping Eyes; Glued Wig with Short Curls; Lace Trimmed White Organdie Dress; Fancy Trimmed Bonnet to Match; Lace Trimmed Undergarments; White Socks and Patent Leather Shoes.

Per Dozen

No. 891—Height, 20 inches; Weight per Dozen, 54 lbs..... **$252 00**

Twelfth Dozen in a Box

Sleeping Eyes

Cotton Stuffed Body; Composition Arms and Legs; Movable Hips and Shoulders; Sleeping Eyes; Glued Wig with Short Curls; White Organdie Dress Trimmed with Lace and Ribbon; Bonnet to Match Trimmed with Large Ribbon Bow; Lace Trimmed Undergarments; White Socks and Patent Leather Shoes.

Per Dozen

No. 889—Height, 20 inches; Weight per Dozen, 39 lbs..... **$216.00**

Twelfth Dozen in a Box

No. 888 Height, 17 inches; Weight per Dozen, 36 lbs..... **$150 00**

Twelfth Dozen in a Box

Sleeping Eyes

Cotton Stuffed Body; Composition Forearms; Movable Hips and Shoulders; Sleeping Eyes; Glued Wig with Short Curls; Colored Organdie Dress Trimmed with Lace and Ribbon Bow; Fancy Bonnet to Match; Lace Trimmed Undergarments; White Socks and Patent Leather Shoes.

Per Dozen

No. 890—Height, 20 inches; Weight per Dozen, 39 lbs..... **$150.00**

Twelfth Dozen in a Box

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE

DOLLS

AMERICAN

MADAME HENDREN DOLLS

All Equipped With Genuine Lloyd Mama Voice

Cotton Stuffed Body; Composition Arms and Legs; Movable Hips and Shoulders; Painted Eyes and Hair; Plain Corded Voile Dress and Bloomers; Dress Trimmed with Lace and Ribbon Rosette; Bonnet to Match; Plain White Undergarments; White Socks and Patent Leather Shoes.

Per Dozen

No. 887—Height, 20 inches; Weight per Dozen, 42 lbs. **$114 00**
Twelfth Dozen in a Box

Sleeping Eyes

Cotton Stuffed Body; Composition Forearms; Movable Hips and Shoulders; Sleeping Eyes; Glued Wig with Short Curls; Plain Color Organdie Dress, Patch Pockets Made of Flowered Batiste; Bonnet to Match; Plain White Undergarments; White Socks and Patent Leather Shoes.

Per Dozen

No. 886—Height, 17 inches; Weight per Dozen, 30 lbs. **$114.00**
Twelfth Dozen in a Box

Sleeping Eyes

Cotton Stuffed Body; Composition Forearms; Movable Hips and Shoulders; Sleeping Eyes; Glued Wig with Short Curls; Plain Color Crepe Dress Trimmed with Lace; Bonnet to Match; White Undergarments; White Socks and Patent Leather Shoes.

Per Dozen

No. 885—Height, 17 inches; Weight per Dozen, 30 lbs. **$114.00**
Twelfth Dozen in a Box

DOLLS

AMERICAN

MADAME HENDREN DOLLS

All Equipped With Genuine Lloyd Mama Voice

Cotton Stuffed Body; Composition Forearms; Movable Hips and Shoulders; Painted Eyes and Hair; Fancy Corded Voile Dress Trimmed with Lace and Ribbon Rosette; Bonnet to Match; White Lace Trimmed Undergarments; White Socks and Patent Leather Shoes.

Per Dozen

No. 884—Height, 20 inches; Weight per Dozen, 34 lbs. **$102.00**
Twelfth Dozen in a Box

Cotton Stuffed Body; Composition Forearms; Movable Hips and Shoulders; Painted Eyes and Hair; Fancy Lawn Dress Trimmed with Lace and Ribbon Rosette; Bonnet to Match; Plain White Undergarments; White Socks and Patent Leather Shoes.

Per Dozen

No. 883—Height, 20 inches; Weight per Dozen, 33 lbs. **$102 00**
Twelfth Dozen in a Box

Cotton Stuffed Body; Composition Forearms; Movable Hips and Shoulders; Painted Eyes and Hair; Colored Organdie Dress Trimmed with Batiste; Trimmed Bonnet to Match the Dress; White Undergarments; White Socks and Patent Leather Slippers.

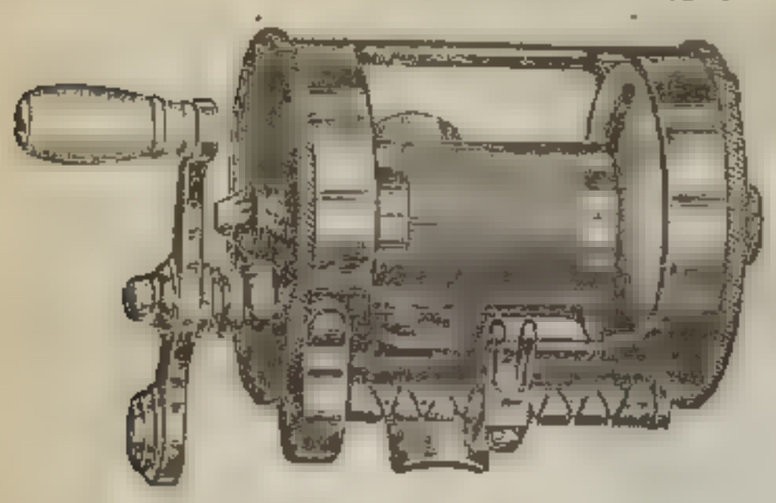
Per Dozen

No. 882—Height, 17 inches; Weight per Dozen, 24 lbs **$78 00**
Twelfth Dozen in a Box

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE

FISHING REELS

MEISSELBACH



OKEH

Level Winding; Finely Balanced Single Handle with Thumb Base; Cork Arbor Spool; Back Sliding Steel Click with Steel Pinion.

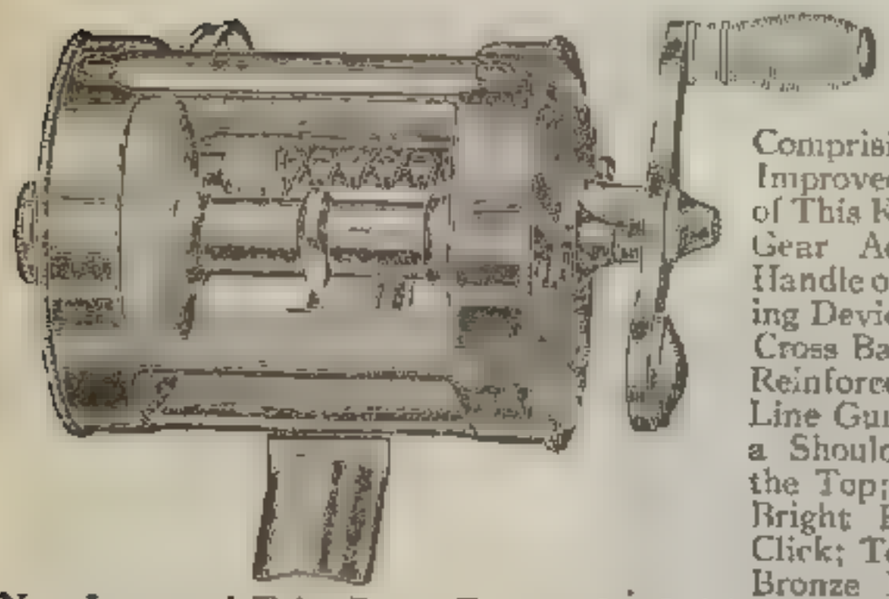
Per Dozen

No. MLW80—Weight Each, 8½ ozs. **$228 00**

No. MLS80—Same as Above, Except with Free Spool; Weight Each, 8½ ozs. **264 00**

Twelfth Dozen in a Box

SYMPLOPART



A New Level Winding Reel at a Popular Price, Comprising All of the Improved Ideas in Reels of This Kind; Direct Pilot Gear Action From the Handle of the Level Winding Device; Tool Steel and Cross Bar with Steel Rod Reinforcement; Steel Wire Line Guiding Device with a Shouldering House at the Top; Spring Tension; Bright End Cap; Good Click; Tool Steel Action; Bronze Bearing; Special New Improved Take Down Feature for Quick Results; Nicely Polished and Nickel Plated; **Capacity, 100 yards.**

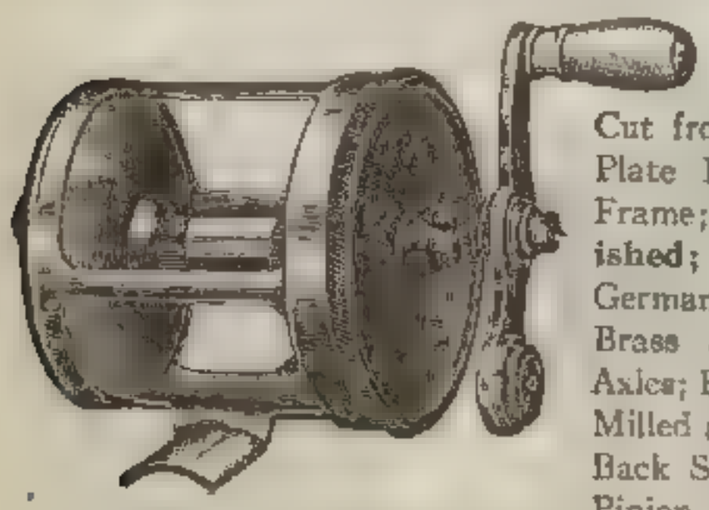
Per Dozen

No. DLW—Weight per Dozen, 7½ lbs. **$198 00**

Twelfth Dozen in a Box

TRI PART FREE SPOOL

This Reel Has a "Free Spool" Which Acts Independently of the Handle When Casting; the Spool is Always Free to Revolve When Making a Cast, While the Handle Remains Stationary.



Tubular Brass Frames; Brass End Plates and Rings; Frame Cut from Drawn Brass Tube; End Plate Made Permanently Fast to Frame; All **Nickel Plated and Polished**; Satin Finish End Plates; German Silver Spool with Polished Brass Shaft and Hardened Steel Axles; Bronze Gear and Steel Pinion; Milled and Knurled Retaining Ring; Back Sliding Steel Click with Steel Pinion, Pawl and Spring; Scroll Balance Handle with White Celluloid Thumb Piece; Milled Oil and Friction Adjusting Cap on End Plate; Easily Taken Apart by Simply Unscrewing Retaining Ring; Handle Can be Shifted to Four Different Positions.

Capacity, 80 yards; Diameter of Spool, 1¾ inches; Width of Spool, 1⅝ inches.

Per Dozen

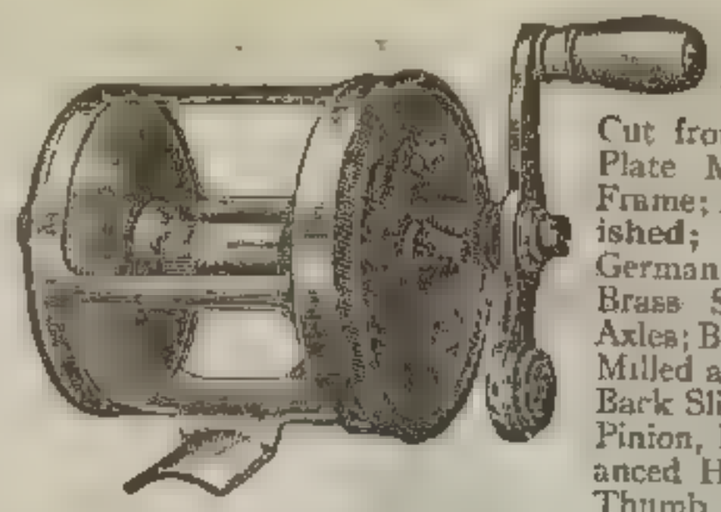
No. TFS80—Quadruple Action; Actual Weight Each, 7 ozs.; Shipping Weight per Dozen, 7¼ lbs. **$120 00**

Twelfth Dozen in a Box

FISHING REELS

MEISSELBACH

TRI PART



Tubular Brass Frame; Brass End Plates and Ring Frame Cut from Drawn Brass Tube; End Plate Made Permanently Fast to Frame; All **Nickel Plated and Polished**; Satin Finish End Plates; German Silver Spool with Polished Brass Shaft and Hardened Steel Axles; Bronze Gear and Steel Pinion; Milled and Knurled Retaining Ring; Back Sliding Steel Click, with Steel Pinion, Pawl and Spring; Scroll Balanced Handle with White Celluloid Thumb Piece; Milled Oil and Friction Adjusting Cap on Tail Plate; Easily Taken Apart by Simply Unscrewing Retaining Rings; Handle Can be Shifted to Four Different Positions.

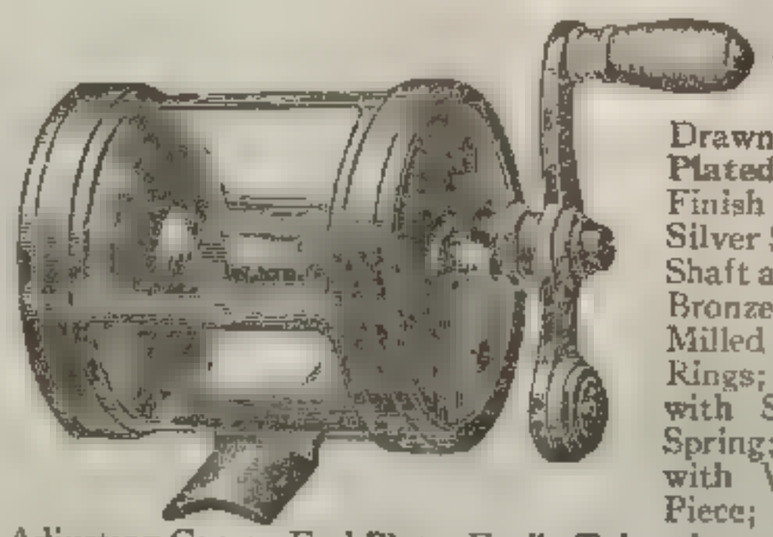
Capacity, 80 yards; Diameter of Plates, 2 inches; Width of Spool, 1⅝ inches.

Per Dozen

No. TP80—Quadruple Action; Actual Weight Each, 7 ozs.; Shipping Weight per Dozen, 6¾ lbs. **$90 00**

Twelfth Dozen in a Box

TAKAPART



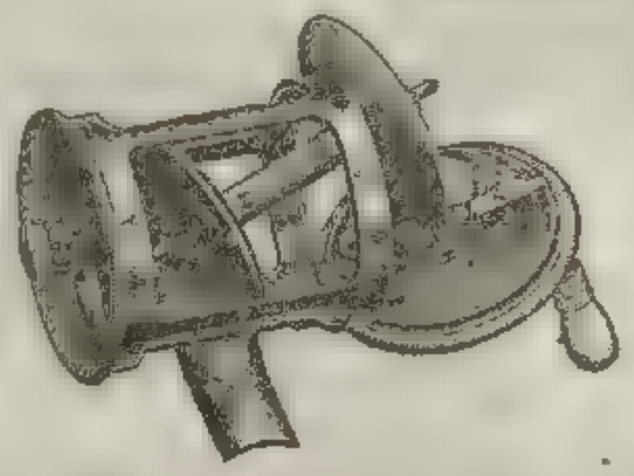
Tubular Brass Frame; Brass End Plates and Rings; Frame Cut from Drawn Brass Tube; **All Nickel Plated and Polished**; Satin Finish End Plates; German Silver Spool with Polished Brass Shaft and Hardened Steel Axles; Bronze Gear and Steel Pinion; Milled and Knurled Retaining Rings; Back Sliding Steel Click with Steel Pinion, Pawl and Spring; Scroll Balance Handle with White Celluloid Thumb Piece; Milled Oil and Friction Adjusting Cap on End Plate; Easily Taken Apart Without Tools by Simply Unscrewing Retaining Rings; Handle or Click Button Can be Lifted to Four Different Positions to Suit Taste of Operator.

Capacity, 100 Yards; Diameter of Plates, 2 inches; Width of Spool, 1⅝ inches.

Per Dozen

No. MWS80—Quadruple Action; Actual Weight Each, 7¾ ozs.; Shipping Weight per Dozen, 7½ lbs. **$108 00**

Twelfth Dozen in a Box



The Latest Thing in Take Down Type Reel; Satin Finish; Finely Balanced Handle with Ivory Thumb Piece; Back Sliding Side Click and Equipped with Brass Side Screw for Adjustment; This Reel is Finely Made and Will Give Unlimited Service.

Per Dozen

No. 500—Capacity, 80 yards; Weight Each, 7 ozs.; Weight per Dozen, 7½ lbs. **$88.00**

Twelfth Dozen in a Box

MANUFACTURERS EVERYWHERE RECOGNIZE OUR ENORMOUS DISTRIBUTING POWER AND QUICKLY COME TO US WITH NEW GOODS.

IF WORTH WHILE THEY ARE IMMEDIATELY PLACED IN OUR STOCK. NEW THINGS ARE ADDED WEEKLY.

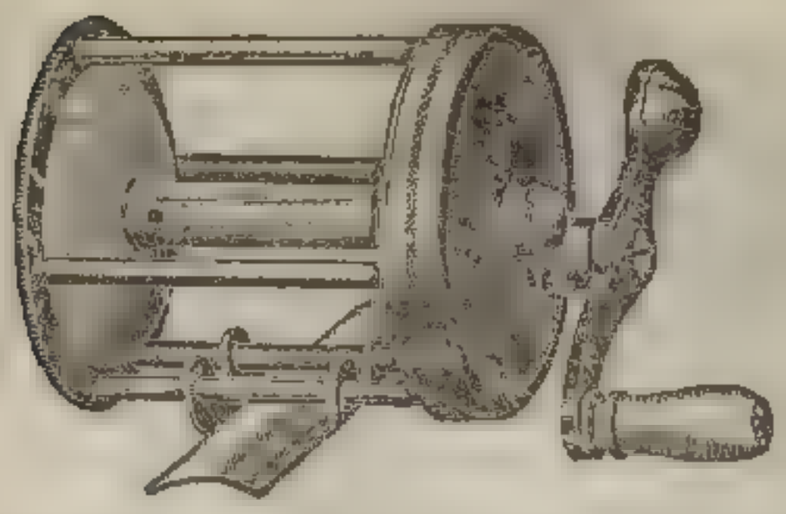
CONSEQUENTLY IT IS A DECIDED ADVANTAGE TO SUPPLY YOURSELF FROM US. USE THIS CATALOG AS YOUR DAILY BOOK OF REFERENCE.

FISHING REELS

★DIAMOND BRAND

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE

★BLUE HERON



Heavy Brass Frame; Brass Spool and Shaft; Steel Axle Running in Hardened Brass Bearings; Phosphor Bronze Gear; Brass Balance Handle with White Thumb Piece; Sliding Steel Click; Knurled Oil Caps; Nickel Plated and Polished.

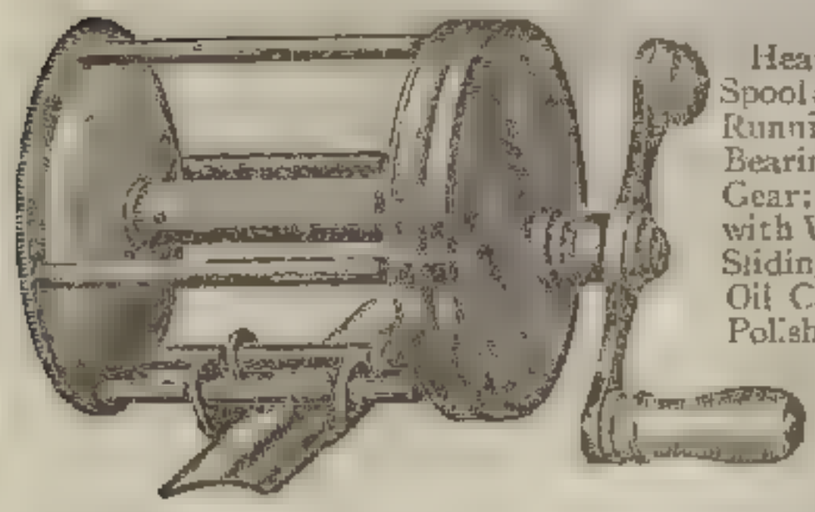
Capacity, 80 yards; Diameter of Plates, 2 inches; Length of Spool, 1⅞ inches.

Per Dozen

No. BH80—Triple Action; Actual Weight Each, 6½ ozs.; Shipping Weight per Dozen, 6¾ lbs. **$54.00**

Twelfth Dozen in a Box

★THISTLE



Heavy Brass Frame; Brass Spool and Shaft; Steel Axle Running in Hardened Brass Bearings; Phosphor Bronze Gear; Brass Balance Handle with White Thumb Piece; Sliding Steel Click; Knurled Oil Caps; Nickel Plated and Polished.

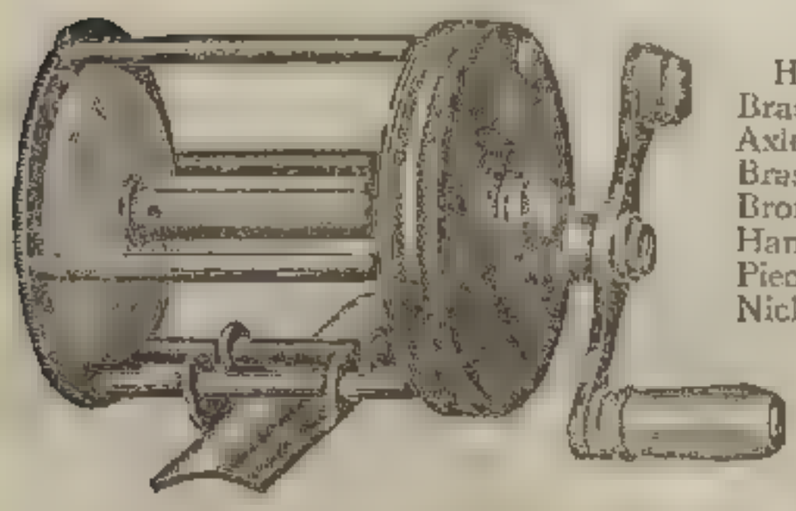
Capacity, 80 yards; Diameter of Plates, 2¼ inches; Length of Spool, 1⅝ inches.

Per Dozen

No. T60—Triple Action; Actual Weight Each, 7 ozs.; Shipping Weight per Dozen, 6¾ lbs. **$48.00**

Twelfth Dozen in a Box

★MERITUS



Heavy Brass Frame; Brass Spool and Shaft; Steel Axle Running in Hardened Brass Bearings; Phosphor Bronze Gear; Brass Balance Handle with White Thumb Piece; Knurled Oil Caps; Nickel Plated and Polished.

Capacity, 60 yards; Diameter of Plates, 2 inches; Length of Spool, 1⅝ inches.

Per Dozen

No. M60—Triple Action; Actual Weight Each, 6 ozs.; Shipping Weight per Dozen, 6 lbs. **$48.00**

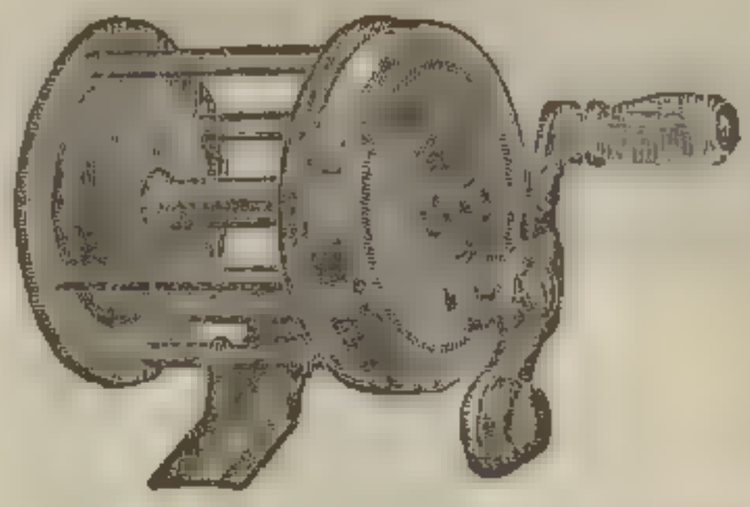
Twelfth Dozen in a Box

FISHING REELS

★DIAMOND BRAND

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE.

★MIZZOO



Brass, **Nickel Plated and Polished;** Steel Axles Running in Hard Brass Hubs; Brass Cut Gears; Brass Balance Handle with White Bone Thumb Piece; Back Sliding Steel Click; Knurled Discs; Double Oil Cap and Handle Hub.

Capacity, 60 yards; Diameter of Plates, 2 inches; Length of Spool, 1⅝ inches.

Per Dozen

No. QJ60—Quadruple Action; with Agate Jeweled End Bearing Oil Caps; Actual Weight Each, 6 ozs.; Shipping Weight per Dozen, 5¼ lbs. **$43.20**

No. Q60—Quadruple Action; with Plain Brass End Bearing Oil Caps; Actual Weight Each, 6 ozs.; Shipping Weight per Dozen, 5¼ lbs. **39.60**

Twelfth Dozen in a Box

★IXL

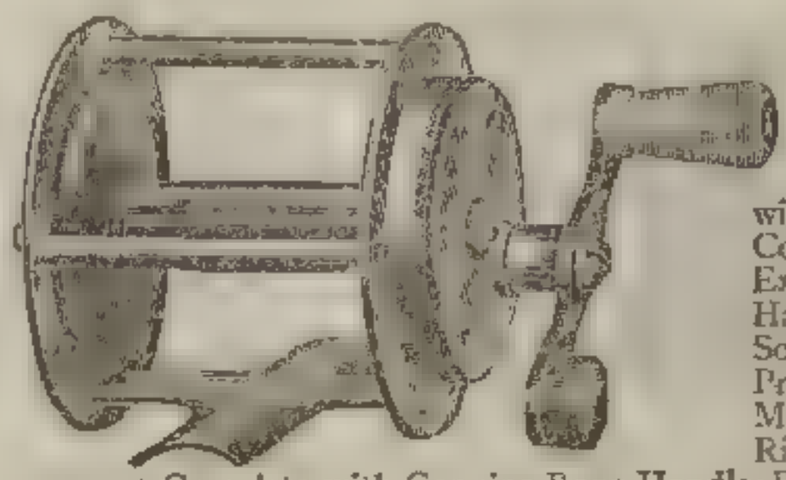
All Brass, **Nickel Plated and Polished;** Flush Pillars; Large Axles Running in Hard Brass Hubs; Hard Brass Gear and Pinion, Balance Handle with White Bone Thumb Piece; Oil Caps; Back Sliding Click and Drag; Knurled.

DOUBLE ACTION

Nos.	XL60	XL80
Capacity, yards	60	80
Diameter of Plates, inches	2	2¼
Length of Spool, inch	1⅝	1⅞
Weight per Dozen, lbs.	5¼	6
Per Dozen	**$30.00**	**33.00**

Twelfth Dozen in a Box

DOUBLE ACTION



Made of Brass; Nickel Plated; and Polished Solid Side Plates with Three Cross Bars Complete with Screws; Extension Plate on Right Hand Side for Housing; Solid One Piece Base Properly Stamped to Make the Reel More Rigid; Extra Axle Reinforcement Complete with Genuine Bone Handle; Brass Hubs; Brass Gears and Pinions; Adjustable Steel Click; Knurled Housing Makes the Reel More Attractive

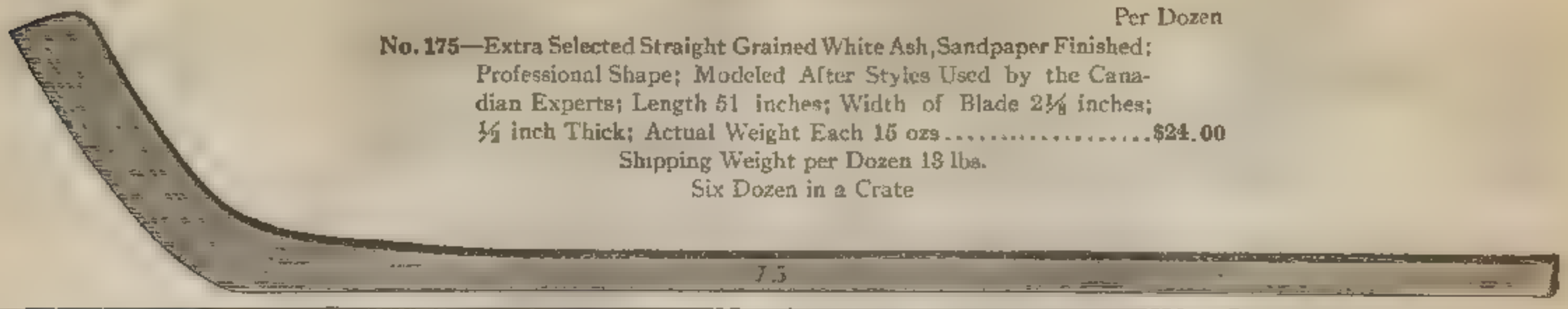
Nos.	A40	A60	A80
Capacity, yards	40	60	80
Plates, inches	2	2	2
Pillars, inches	1	1⅜	1⅝
Weight per Dozen, lbs.	5	5½	5¾
Per Dozen	**$18.00**	**20.00**	**22.00**

Twelfth Dozen in a Box

HOCKEY STICKS

All of Our Hockey Sticks Are Made of Selected Kiln Dried Timber; They are the Most Approved Patterns and Correct in Shape; Steam Bent, so that the Grain of Wood is Continuous from End of Handle to Tip of Blade.

MEN'S CANADIAN

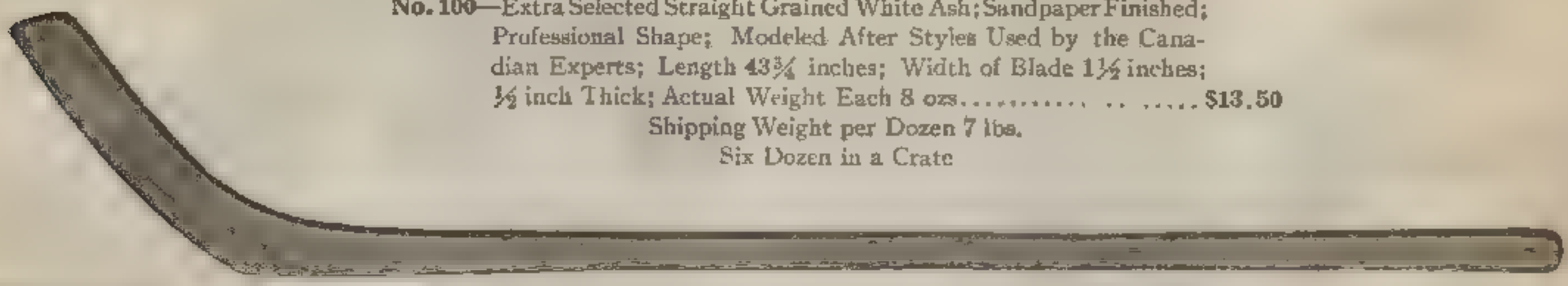


Per Dozen

No. 175—Extra Selected Straight Grained White Ash, Sandpaper Finished; Professional Shape; Modeled After Styles Used by the Canadian Experts; Length 51 inches; Width of Blade 2⅛ inches; ½ inch Thick; Actual Weight Each 15 ozs.....**$24.00**

Shipping Weight per Dozen 13 lbs.
Six Dozen in a Crate

YOUTHS' CANADIAN

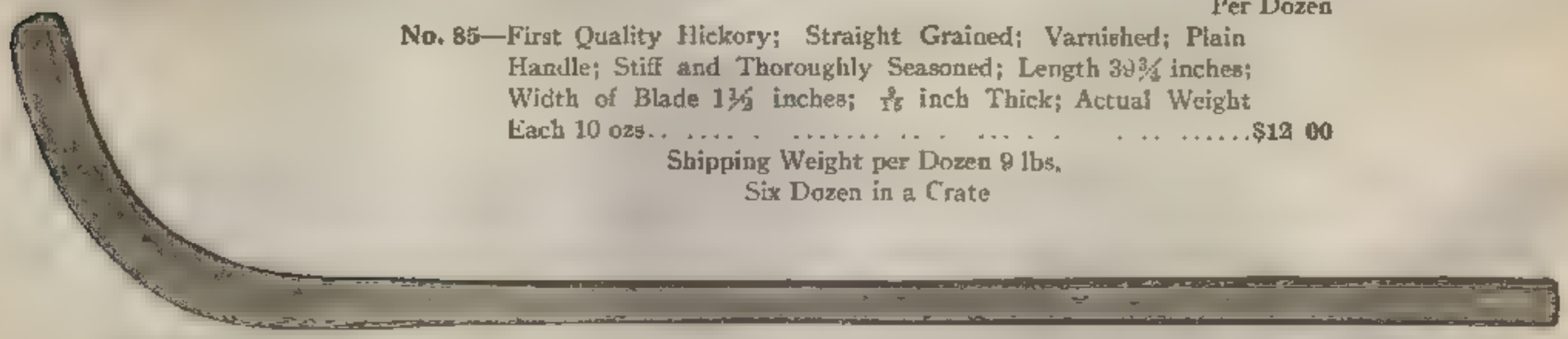


Per Dozen

No. 100—Extra Selected Straight Grained White Ash; Sandpaper Finished; Professional Shape; Modeled After Styles Used by the Canadian Experts; Length 43¾ inches; Width of Blade 1½ inches; ½ inch Thick; Actual Weight Each 8 ozs.....**$13.50**

Shipping Weight per Dozen 7 lbs.
Six Dozen in a Crate

MEN'S REGULATION

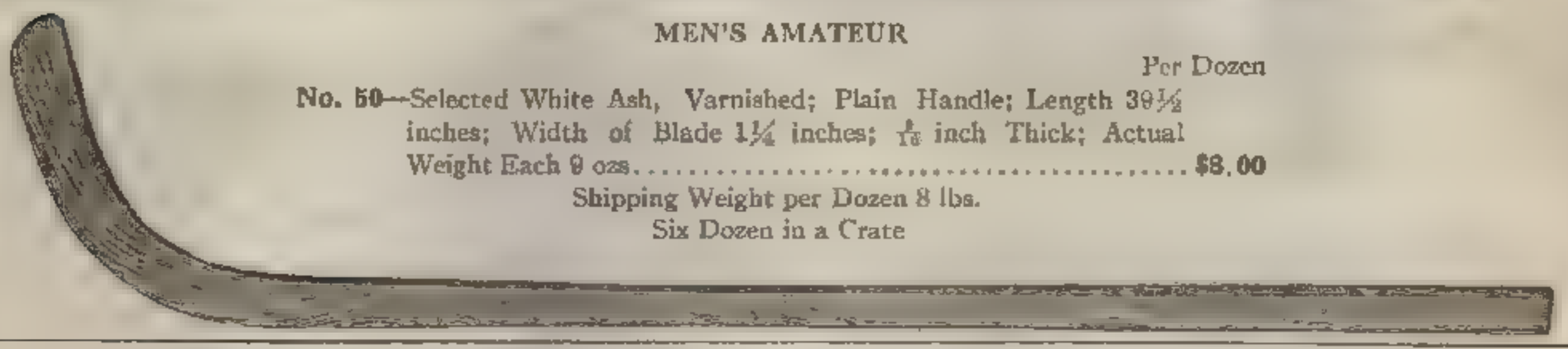


Per Dozen

No. 85—First Quality Hickory; Straight Grained; Varnished; Plain Handle; Stiff and Thoroughly Seasoned; Length 39¾ inches; Width of Blade 1½ inches; ⅞ inch Thick; Actual Weight Each 10 ozs.....**$12 00**

Shipping Weight per Dozen 9 lbs.
Six Dozen in a Crate

MEN'S AMATEUR

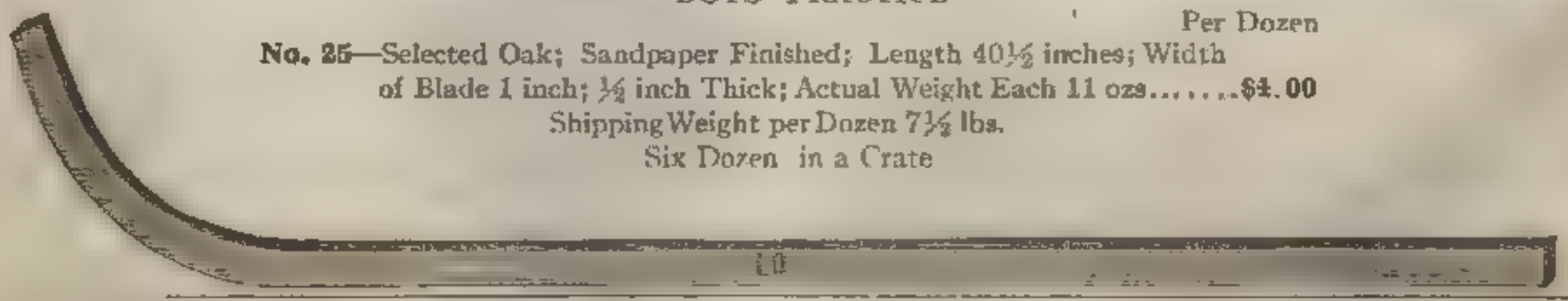


Per Dozen

No. 50—Selected White Ash, Varnished; Plain Handle; Length 39½ inches; Width of Blade 1¼ inches; ⅛ inch Thick; Actual Weight Each 9 ozs.....**$8.00**

Shipping Weight per Dozen 8 lbs.
Six Dozen in a Crate

BOYS' PRACTICE

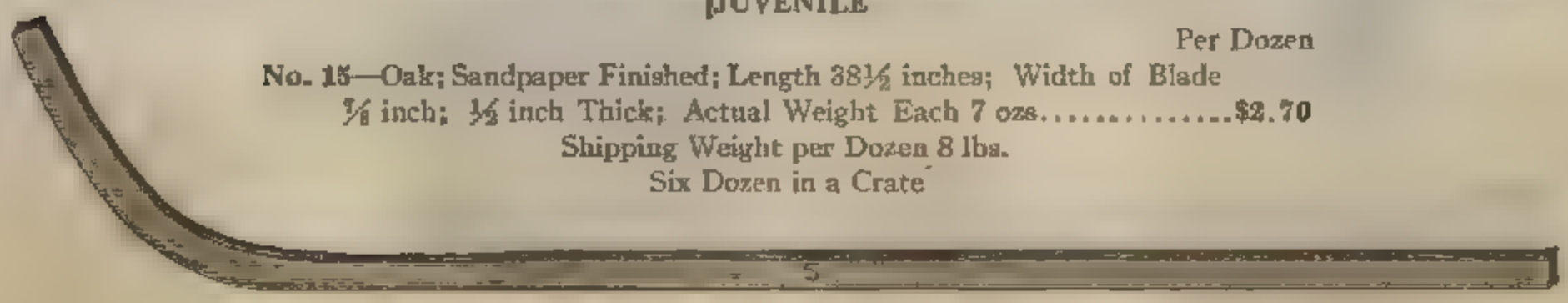


Per Dozen

No. 25—Selected Oak; Sandpaper Finished; Length 40½ inches; Width of Blade 1 inch; ½ inch Thick; Actual Weight Each 11 ozs.....**$4.00**

Shipping Weight per Dozen 7½ lbs.
Six Dozen in a Crate

JUVENILE



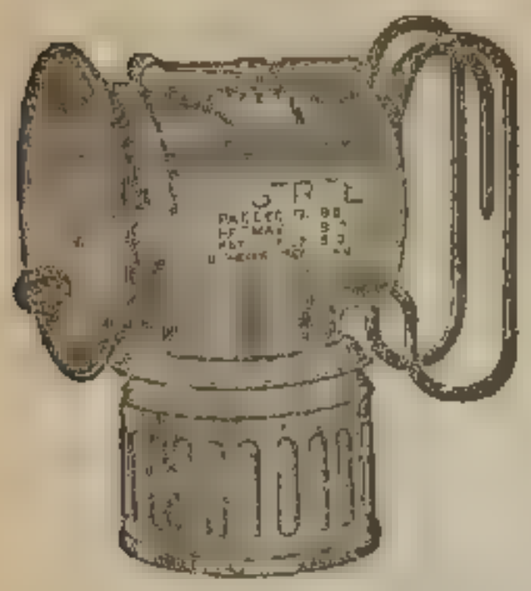
Per Dozen

No. 15—Oak; Sandpaper Finished; Length 38½ inches; Width of Blade ⅞ inch; ½ inch Thick; Actual Weight Each 7 ozs.....**$2.70**

Shipping Weight per Dozen 8 lbs.
Six Dozen in a Crate

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE.

CAMPERS GAS LAMPS

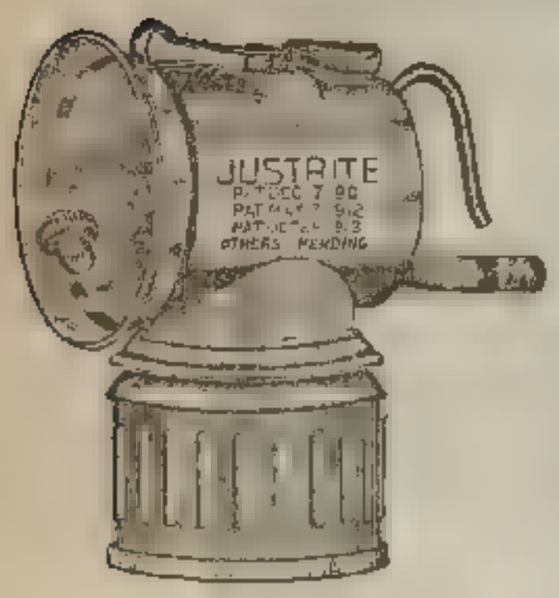


JUSTRITE
Small Size—HAND

Drawn Brass; Nickel Plated and Highly Polished; 2½ inch Nickel Plated Reflector with Sparker Attachment; Equipped with Folding Handles and Hook; Also No. 76 Pocket Carbide Can and Extra Repair Parts; Height 3½ inches, Diameter 2 inches; Burns 8 Hours with One Filling.

Per Dozen

No. 100—Weight per Dozen, 5 lbs. **$33.00**
Twelfth Dozen in a Box



JUSTRITE

New Lever Feed; Produces a Light of 16.7 Candle Power; New "Matchless" Lighter Attachment; Invariably Perfect Material and Workmanship.

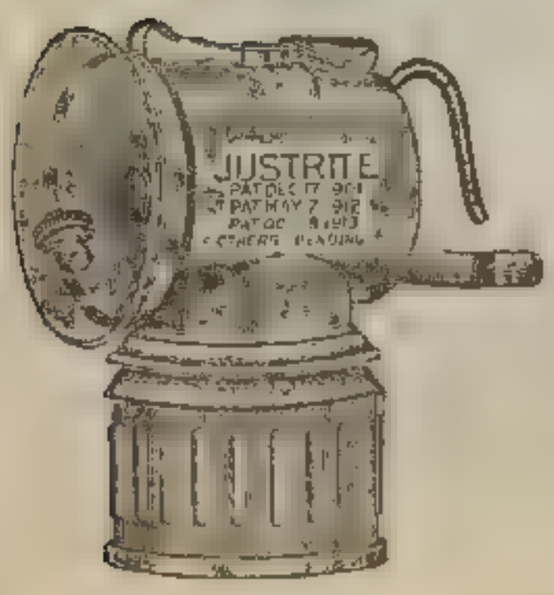
The Wire Feed is So Constructed That the Supply of Water Can be Increased or Decreased as Desired. It is One of the Original Justrite Water Feeds and Will Give the Miner Very Satisfactory Service. Will Burn 2½ Hours on One Charge (2 oz. Carbide) Extra Carbide Container with Each Lamp.

Per Dozen

No. 57—Polished, Drawn Brass Lamp; Equipped with Patent Lighter Reflector 2¼ inches in Diameter; Permanently Attached to Lamp; Height of Lamp Over All, 3¾ inches; Diameter 2 inches; Weight per Dozen, About 6 lbs. **$24 20**
One Dozen in a Carton

No. 407—Same as No. 57 but Without Extra Container; Weight per Dozen, About 4½ lbs. **20 00**
One Dozen in a Carton

No. 407C—Extra Containers for No. 407 Lamp; Weight per Dozen, About ½ lb. **4.20**
One Dozen in a Carton



JUSTRITE
Polygon Feed Lamps

The Polygon Feed is a Dependable Regulating Valve Which Can be Adjusted to Permit a Free Flow of Water; The Square Construction at the Base of the Valve Stem "Lips the Carbide" and Makes the Flame Respond Quickly to Regulation. Has a 2¼ inch Concaved Reflector.

Per Dozen

No. 707—Polished Brass Lamp; Weight per Dozen, 6 lbs. **$20.00**
Twelfth Dozen in a Box

CAMPERS GAS LAMPS

VICTOR
Polygon Feed

Miners Preferring a Vertical Shape Lamp with Detachable Reflector, Will Find the Victor Lamp Fulfilling All Requirements, Workmanship of the Highest Caliber and Strongly Constructed.

Per Dozen

No. 661—Lamp Polished Brass; 2⅝ inch Reflector; Weight per Dozen, 6 lbs. **$20.00**

No. 676NR—Lamp Brass Body; 3 inch Nickel Plated Reflector; Flat Hook; This Lamp is Principally Used in Lead Mines; Weight per Dozen, 6 lbs. **23.10**

No. 662—Lamp Same as No. 661 Except 2 inch Reflector Used for Mining Low Seam Coal; Weight per Dozen, 6 lbs. **19.20**
Twelfth Dozen in a Box

JUSTRITE
With Matchless Lighting Attachment

Especially Intended for Use by Sportsmen for Camping, Although They Will Also be Found Suitable for Superintendents, Engineers, Surveyors, Mine Inspectors, Etc.

Equipped with 8 inch Saucer Shape Reflector; Nickel Plated; Used Principally in Lead Mines; This Lamp is Equipped with a Flat Hook.

Per Dozen

No. 769—Nickel Plated Lamp; Weight per Dozen, 6 lbs. **$24.20**
Twelfth Dozen in a Box

FISHERMEN AND HUNTERS LAMPS

These Lamps are Especially Adapted to the Use of Hunters and Fishermen. The Reflectors Throw a Very Strong Light that Penetrates to a Great Distance Making Them Invaluable for Coon and Deer Hunting and for Night Fishing and Spearing; Also Suitable for Use in Camps, Stables, Etc. They Use Ordinary Kerosene Oil; are Adjustable to Any Size Head and are Light and Confortable to Carry.

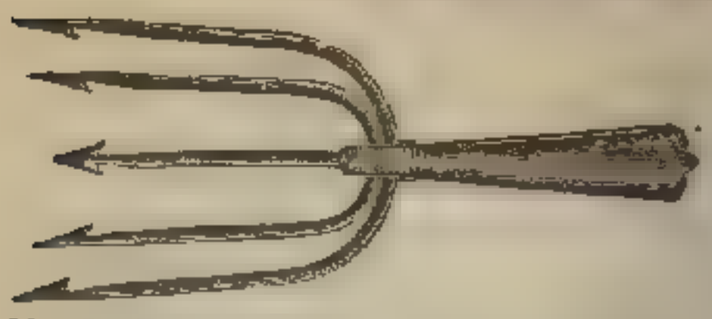
STAR

All Bright Tin; Concave Semi-Circular Reflector; Two Removable Round Tube Tin Burners, Using Cotton Rope Wicking; Size, 7¾ inches Wide; 7¾ inches High.

Per Dozen

No. 81—Weight per Dozen, 7 lbs. **$17.00**
One Dozen in a Carton

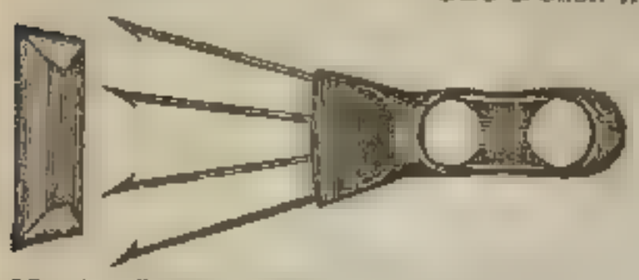
FROG SPEARS



Steel Tines, Locked in Frame with a Steel Wedge; Malleable Iron Frame and Socket, Japanned.

Per Dozen

No. 3—Five Tines; Length of Tines, 4 inches; Width of Tines, 3¾ inches; Length Over All, 7½ inches; Weight per Dozen, 3⅝ lbs **$12 00**
One Dozen in a Box



Steel Tines, Leaded Into Socket; Rolled Steel, Japanned Socket; Tin Tine Guard.

Per Dozen

No. 7—Three Tines; Length of Tines, 2¼ inches; Width of Tines, 1 1/16 inches; Length Over All, 5¼ inches; Weight per Dozen, 2½ lbs..... **$3 30**
One Dozen in a Box

No. 9—Four Tines; Length of Tines, 2⅜ inches; Width of Tines, 2¾ inches; Length Over All, 5⅝ inches; Weight per Dozen, 2½ lbs. **4 00**
One Dozen in a Box

FISH SCALERS

A Simple and Convenient Article for Scaling Fish; Will Take the Scales Off Rapidly and Effectively without Lacerating the Flesh.

Per Dozen

No. R—Made of One Piece Stamped Steel; Aluminum Finish; Round Saw Tooth Blade 1¾ inches in Diameter; Length Over All, 6¾ inches; Weight per Dozen, ¾ lb..... **$1 60**
One Dozen in a Box

Cast Iron Japanned; Length Over All, 9 inches.

Per Dozen

No. B—Weight per Dozen, 4½ lbs..... **$2 70**
One Dozen in a Box

GAFF HOOKS

Closed

Open

No. 2 Lion Gaff Hook The Center Acts as a Stop in Opening and Closing the Gaff; Also as a Trigger for Springing the Gaff, and by Coming in Contact with the Fish or Frog Closes the Jaws Automatically and with Lightning Rapidity. Will Not Cut or Abuse the Fish or Frog; Provided with a Socket to which a Handle Can be Fitted Very Easily; 5⅛ inches Between the Point of the Jaws When Opened. Suitable for Smaller Fish or Frogs.

Per Dozen

No. L2—Weight per Dozen, 8 lbs. **$27 00**
Half Dozen in a Box

FISHERMEN'S KNIVES

Per Dozen

No. 2—Checkered Cocobolo Handle; Full Scale Tang; Polished Steel Lapped Bolster; Fine Grade American Steel Blade; Length, 4¾ inches; Glazed; Saw Back for Scaling and Concaved Sharp Ground Back at Point for Ripping; Handle Has Hole in End for Spring; Without Sheath; Weight per Dozen 2½ lbs... **$9 00**
Half Dozen in a Box

CAMP GRIDS

An Ideal Grid, for Use with Wood Fuel and for Permanent Camp Purposes. Made of Best Steel Wire Reinforced with a Flat Steel Bar, Making Rigid and Preventing the Cross Wires Being Warped by Heat. All Joints Electrically Welded. Legs Fold Out of the Way so that the Grid Can be Placed in a Small Space.

Per Dozen

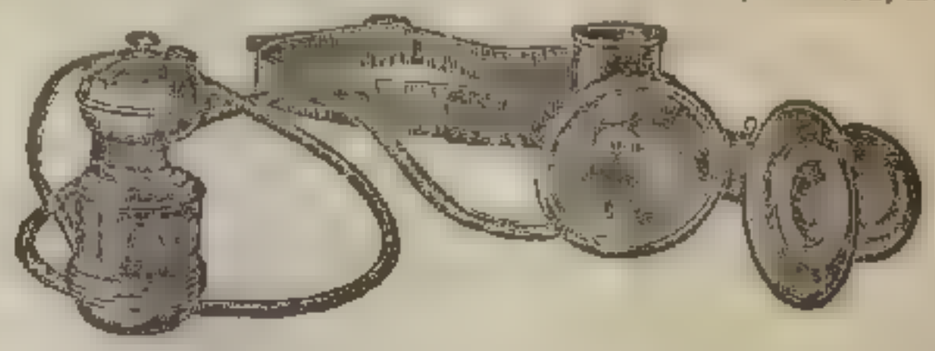
No. 3G—All Steel, Aluminum Finish; Size, 10x14 inches; Legs, 12 inches Long; Weight per Dozen, 24 lbs..... **$12 00**

No. 4G—All Steel Aluminum Finish; Size, 13x21½ inches; Legs, 13 inches Long; Weight per Dozen, 42 lbs..... **18 00**
Loose

CAMPERS GAS LAMPS

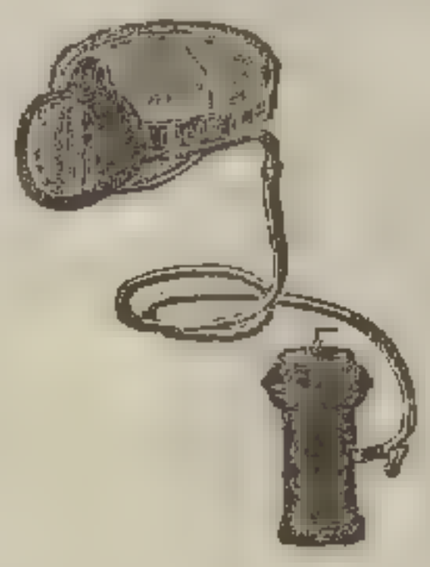
BRILLIANT SEARCHLIGHT

A New Departure in Acetylene Lamps. Throws a Powerful White Light, Invaluable for Hunters, Fishermen, Miners, Etc.



Per Dozen

No. B5—Generator Capacity 4 ozs. Carbide, Which Will Burn 8 to 10 Hours, Empty 12 ozs. Charged 24 ozs.; Lamp 4 inches in Diameter; 3 inches Deep; Made of Steel and Sheet Brass; Reflector 3⅛ inches in Diameter; Made of Brass, Full Shaped, Nickel Plated and Highly Polished; Convex Lenses; Detachable Hinged Bulls-Eye and Darkening Door; Candle or Pencil Flame Burner, 45 inch Non-kink Gas Hose, Slip-on Type; Weight per Dozen, 25 lbs..... **$210 00**
One in a Box



COLUMBIA

Jack Lamp and Generator

For Hunters, Fishermen, Miners and Sportsmen. Throws a Powerful White Light; Invaluable for Hunting Coon, Possum and Other Nocturnal Animals.

Generator 5½ inches Long; 2 inches in Diameter; Weight 16 ozs.; (Carbide Capacity Enough to Run the Lamp 5½ Hours;) Made of Brass, Gun Metal Finish; Attached Onto Any Width Cartridge Belt up to 2 inches; Headlight Weight 6 ounces; Powerful Parabolic Reflector Diameter Face 2¾ inches; Straps to Front on Hat; Is Connected to Generator by Rubber Tubing.

Per Dozen

No. C3—Weight per Dozen, 25 lbs **$150 00**
Twelfth Dozen in a Box

JUSTRITE

For Acetylene Gas—Carbide and Water

Gives a Penetrating Light, Protected by a Strong Lens. **Will Not Blow Out.** Self-lighting Attachment. Matches Not Required.

Burns 10 Hours on One Charge 8 oz. ¼ inch Carbide. Generator Weighs 1½ lbs. Headlight Weighs 5 ounces.

Strong, Durable, Compact.

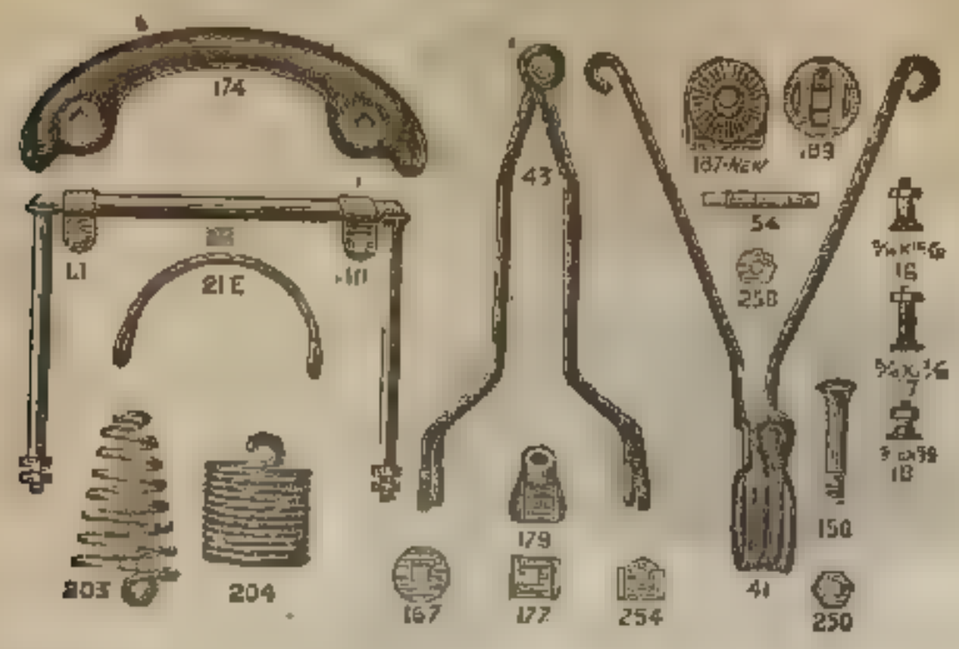
An Ideal Lamp for Hunting, Motor Boating and Driving.

An Ideal Farm Light for the Early Mornings Chores and Milking.

Per Dozen

No. 44—Without Cap; Generator Made of Pressed Steel; Head Lamp of Brass, Nickel Plated; Complete with Generator, Rubber Hose, Canvas Belt and Head Lamp; Weight Each, 2 lbs..... **$144.00**
One in a Box

PARTS FOR EAGLE EASY SADDLE SPRINGS



	Each
✣No. 174—Cantle	$0 50
No. 43A—Wire Truss Top	.50
No. 43B—Wire Truss Lower	50
No. 41—Nose Coil	1 00
✣No. 21E—Lower Brace	50
✣No. 204—Rear Cushion	.70
✣No. 203—Rear Spiral	50
✣No. 26—Rear Yoke	1 00
✣No. 111—Yoke Clip	10
✣No. 179—Pommel	30
✣No. UC—Clamp Complete	.90
✣No. 187—⅝ Clamp Center	.80
✣No. 189—Clamp Button	.15
No. 150—Clamp Stud	.30
No. 250—Clamp Stud Nut	.15
✣No. 167—Clamp Washer	.15
✣No. 254—Special Clip	.20
No. 154 Adjusting Screw	.30
No. 258—Adjusting Screw Nut	.15
✣No. 177 Clevice	.15
✣No. 16—Bolt and Nut 5/16x5/16	.10
✣No. 17 -Bolt and Nut 5/16x1/2	.10
✣No. 18—Bolt and Nut 5/16x5/8	.10

One in a Box

BICYCLE TOOL BAGS

Each

No. 8—Gents; Black Brown, or Tan; Pebble Leather; Complete with Straps; Size 8x3¼x1 inch; Weight, 3 ozs. $0 40

Loose

Per Dozen

In Dozen Lots $4 60

Each

No. 16—Round; English Russet Leather; Stamped Steel Ends, Black Enameled; Firmly Rivited to Leather; Complete with Straps; Length, 7 inches; Weight, 5 ozs. $0.70

Per Dozen

In Dozen Lots $7.20

Loose

MOTORCYCLE TANDEMS

FIT ANY MOTORCYCLE

Double Action Shock Absorbing Cushion Springs Relieve the Rider from All Bumps and Jolts.

This is the Latest Design in the Perfection of Motorcycle Tandems; Made of Cold Rolled Steel; Very Strong and Durable; Will Stand the Most Severe Strains; the Rear Springs are Constructed in Such a Manner That They Will Give a Rocking Movement From 3 to 4 inches; The Front Springs are Carefully Placed to Support the Top and Move in Harmony With the Rear Springs; The Construction is so Designed That it Will Prevent Any Play or Swing Sideways; Equipped with a Cushion, Narrow in the Front and Wide in the Rear; Is Removable and Can be Taken Off in a Few Minutes; Fitted With Extra Low Handle Bar; Adjustable Foot Rests Can be Folded Up When Not in Use.

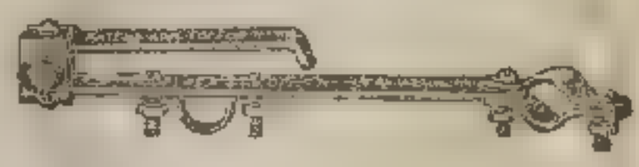
Each

✣No. 140—Nickel Plated and Polished; Weight Complete, About 18 lbs. $17 60

Loose

Note—When Ordering, State Make of Machine, Model and Make of Coaster Brake.

MOTORCYCLE FOOT RESTS



Made of Cold Rolled Steel; Adjustable to Various Heights; Will Fit Any Machine; Nickel Plated and Polished.

Per Pair

✣No. 122—Weight per Pair, 2 lbs $3.70

Loose

MOTORCYCLE CUSHIONS

Made of Good Quality Black Imitation Leather, Heavily Padded; Wooden Base; Size, 14 inches Long, 10 inches Wide and 2 inches High; Attachment to Carrier Made by Two Thum Screws.

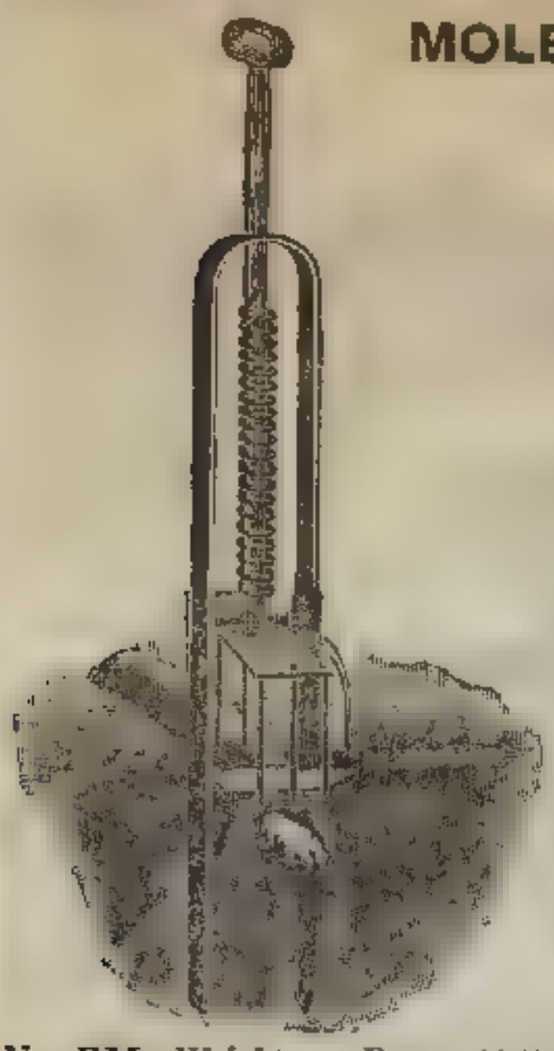
Each

✣No. 90—Made Expressly for No. 105 Carrier; Weight Each, 3 lbs. $3.20

Loose

Items Marked ✣ Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory, Sheboygan, Wis.

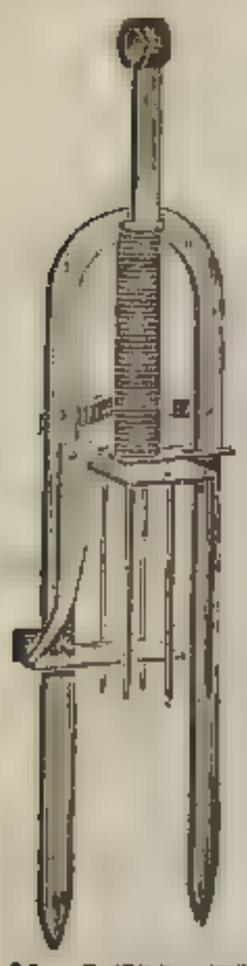
MOLE TRAPS



REDDICK

Tinned Steel Frame, Prongs and Lever; Japanned Steel Coil Spring; Height Over All 24 inches; Width 4 inches; Six Prongs 4¾ inches Long; Full Directions for Operating with Each Trap.

Per Dozen
No. RM—Weight per Dozen 40 lbs..... **$18.00**
Half Dozen in a Crate



LITTLE GIANT

Self Setting

Trap is Set by Pulling up Plunger Rod; Trigger Catches Itself.

Cold Rolled Galvanized Steel Frame, Prongs and Lever; Japanned Steel Coil Spring; Height 15 inches, Width 4 inches; Six Prongs 5 inches Long.

Per Dozen
No. LGM—Weight per Dozen 24 lbs..... **$10.00**
Half Dozen in a Crate

GOPHER TRAPS

RENKENS SURE CATCH

Heavy Steel Wire Spring; Cold Rolled Steel Frame; Black Japanned Finish; Steel Wire Trigger; Length 9 inches; Width 2⅞ inches; Height 2⅞ inches; Height Over All 4¼ inches.

No Gopher so Large, None so Small, that this Trap Will Not Catch and Hold.

Per Dozen
No. R4—Weight per Dozen 12 lbs..... **$13.50**
One Dozen in a Box

TENTER HOOKS

FOR STRETCHING SKINS

Per 1000
No. TH—Tinned; Extra Quality; Sharp Points; Length ⅞ inch; Point 7/16 inch High; Machine Made; Weight per 1000, 1¼ lbs. **$11.00**
1000 in a Box

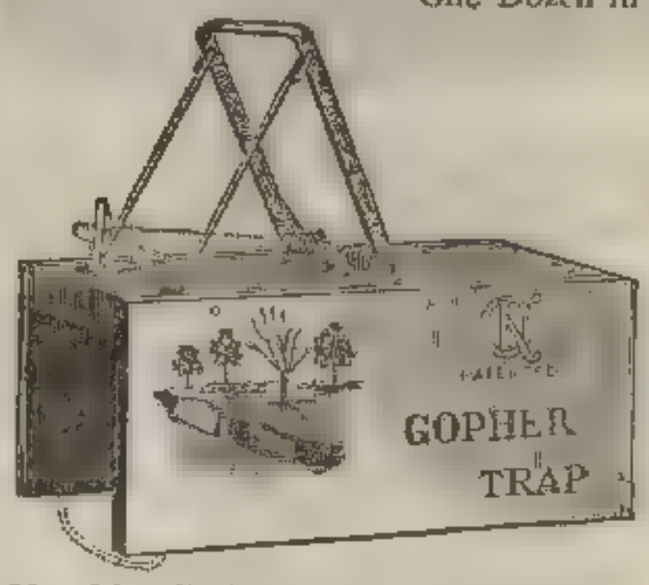
GOPHER TRAPS

NEWHOUSE

Catches the Animal Around the Neck and Kills Surely and Quickly.

Tempered Flat Steel Spring; 1 inch Wide, Natural Finish; 3 inch Ring; Flat Steel Trigger; Length 6 inches; Height 3½ inches.

Per Dozen
No. G—Weight per Dozen 2¾ lbs..... **$3.65**
One Dozen in a Box



O. K.

Steel Wire Spring; Coppered Steel Jaw; the Trigger and Other Metal Parts are Galvanized Steel; Red Stained Soft Wood Box, Strongly Nailed; Length 6¾ inches; Width 4 inches; Height 3 inches; Height Over All 6 inches.

Per Dozen
No. OK—Weight per Dozen 8 lbs..... **$4.50**
One Gross in a Case

VICTOR TRAPPERS OUTFIT

Complete Instructions on Trapping are Furnished—How and Where to Get Traps, What Baits to Use, How to Skin the Animals, Stretch Furs and where to Sell the Furs When they are Ready for the Market.

Traps in these Outfits are for Muskrat, Skunk, Raccoon, Mink, Opossum, Weasel and Other Animals.

An Instructive and Interesting Booklet Entitled "The Boy Trapper's Guide" with Each Outfit.

Per Outfit
No. VTO—Outfit Comprises 6 Victor Traps, One No. 0V, Four No. 1V and One No. 1½V; Weight Each 6 lbs..... **$2.70**
One Outfit in a Box

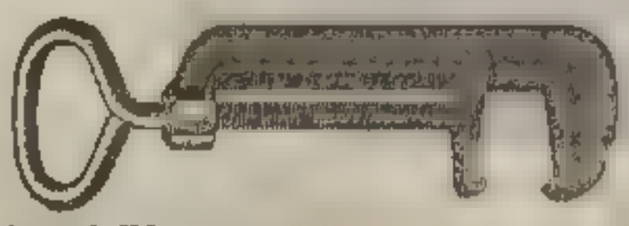
TRAP OR EXTENSION CHAINS

Suitable for All Sizes of Traps

With a few of these Chains in his Kit the Trapper can Instantly Double the Length of a Trap Chain, so that a Trapped Animal can be Drowned with Certainty or a Drag Given Free Play. Secure Snap and Ring Fastenings.

Per Dozen
No. ETC—Length Over All 26½ inches; Weight per Dozen, 5 lbs... **$1.85**
One Dozen in a Carton

TRAP CLAMPS



Malleable Iron Body and Plate, Steel Screw.

One of these Clamps Applied to Each Spring will, by a few Turns of the Thumb-screws, Bend the Springs to their Places, so that the Pan may be Adjusted Without Difficulty. No. 4 Clamp can be Used on any Trap Smaller than No 4½. No. 5 is a Strong Clamp Especially Adapted to Setting the Large Traps Nos 4½ to 6.

Nos.	4	5
Opens, inches	3¼	4½
Weight per Dozen, lbs	2½	9½
Per Dozen	$1 90	12 20

Loose

TRADE MARK REGISTERED IN THE U. S. PAT OFFICE

RAT TRAPS

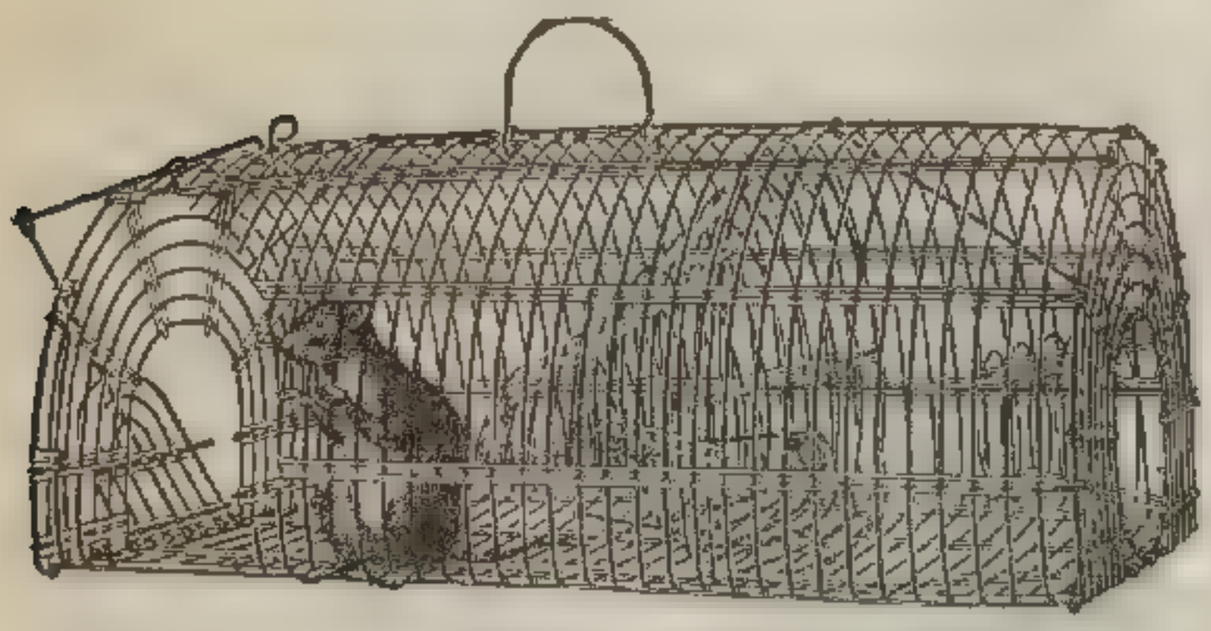
*NEVERFAIL

Strongly and Rigidly Constructed of No. 18 Coppered Steel Wires Securely Bound to 11 Flat Heavy Coppered Steel Wire Ribs; Wires Can Not be Moved or Displaced; the Tilt is Very Sensitive; Top Handle for Carrying, Brass Name Plate

Per Dozen

No. 1900—Length 19 inches, Width 10½ inches; Height 8 inches; Weight per Dozen 45 lbs..... **$22 00**
Half Dozen in a Crate

CLIMAX



No. 17 Coppered Steel Wires, Bound to Nine Heavy Flat Coppered Steel Ribs, Impossible to be moved or Displaced; Safety Door Operated and Locked from Top; Tilt is Sensitively Balanced; Top Handle for Carrying; Metal Name Plate.

Per Dozen

No. 1800—Length 17 inches; Width 9½ inches; Height 7¼ inches; Weight per Dozen 30 lbs..... **$19 00**
Half Dozen in a Crate

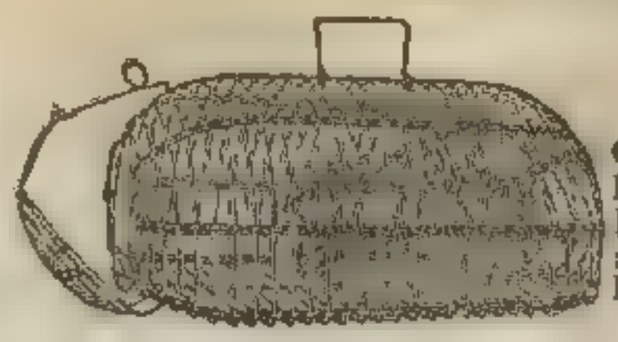
*HOLDFAST

Coppered Steel Wires, Bound to Heavy Coppered Steel Wire Ribs with Light Wire; Impossible to Move or Displace Wires; Rat Can Not Escape; Safety Door is Operated and Locked from the Top; Tilt is Sensitively Balanced and Never Fails to Work; Top Handle for Carrying; Metal Name Plate.

Per Dozen

No. 1100—Length 15 inches; Width 8 inches; Height 6¾ inches; Weight per Dozen 19½ lbs..... **$16.00**
Half Dozen in a Crate

RAT TRAPS



ACME

Coppered Steel Wire, Bound to Coppered Flat Steel Ribs Holding Firmly and Permanently; Sensitive Balance; Safety Door Operated and Locked from Top; Top Handle For Carrying.

Per Dozen

No. 1600—Length 15 inches; Width 8 inches; Height 7 inches; Weight per Dozen 26 lbs..... **$15.00**
Half Dozen in a Crate

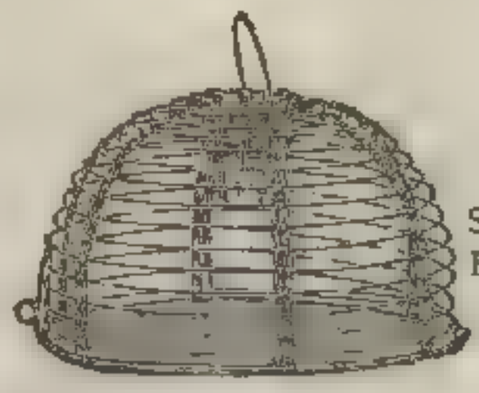
MOUSE TRAPS

*HOLDFAST

These Traps Catch the Mice Alive. To Kill, Turn Them into a Pail of Water.

Per Dozen

No. 1000—Coppered Steel Wire, Strongly Braced and Laced; Length 8 inches, Width 4⅝ inches, Height 4 inches; 7 Brace Wires; Wire Handle to Carry; Weight per Gross 66 lbs..... **$9.50**
Half Dozen in a Package



MIDGET

No. 19 Coppered Wire; 6 Coppered Flat Steel Ribs, Holding Mesh Wire Firmly and Permanently in Place.

Per Dozen

No. 900—Diameter 5¼ inches, Height 3 inches; Weight per Dozen 3 lbs..... **$2.80**
One Dozen in a Carton

MOUSE AND RAT TRAPS

*DEFIANCE

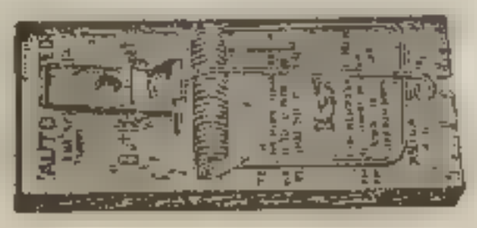
Coppered Steel Wire Spring, Bail and Lever; Metal Trigger; all Parts Strongly Stapled to Base with Coppered Steel Staples, the Trigger is Very Sensitive and Bait Cannot be Touched without Springing the Trap.

MOUSE — Per Gross

No. 15—1⅛x3⅛ inch Hardwood Base; Weight per Gross 12 lbs.... **$4.00**
One Dozen in a Box

RAT — Per Gross

No. 70—3½x7 inches; Hardwood Base; Weight per Gross 69 lbs... **$20.00**
One Dozen in a Box



OUT-O-SIGHT

Coppered Steel Wire Spring, Bail and Lever; "Baited" Hardwood Trigger Faced with Tin; all Parts Stapled to Base; Bail Overlaps End of Base when Snapped; Trigger is very Sensitive.

MOUSE — Per Gross

No. 25—1⅛x3⅛ inch Hardwood Base; Weight per Gross 18 lbs... **$16.00**
One Dozen in a Box

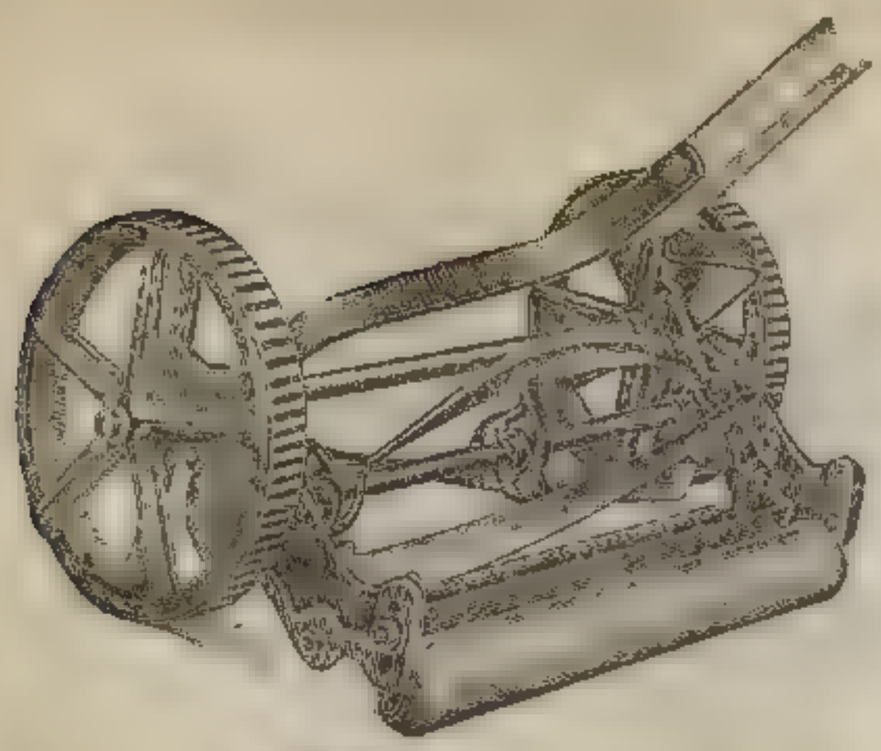
RAT — Per Gross

No. 75—3½x7 inches; Hardwood Base; Weight per Gross 63 lbs... **$30.50**
One Dozen in a Box

LAWN MOWERS

★RED CLIPPER

PLAIN BEARING



Bed Plate Adjustment

This Mower is a Popular Design of the New Open Type Construction. Very Light and Easy Running, Yet Built with Refined Castings That are Thoroughly Strengthened. Holes are Drilled Through the Center of the Side Plates, by Two Operations to Insure Exact Dimensions, Through which a Piece of Accurately Rolled Steel Shafting Passes, Forming a Shrub Guard and an Axle for the Drive Wheels, Enabling them to Turn on Steel Bearings. The Fit Between the Shafting and Side Plate Holes is so Perfect that there is Absolutely no Play and with a Set Screw Passing Through a Lug on Each Side Plate and Fastening into Recesses in the Shafting, Makes a Strong and Immovable Frame Construction. These Recesses in the Shafting are Accurately Placed, so that the Side Plates will be at Right Angles with the Cutter Bar, Making a True "Four-squared" Frame. The Drive Wheels are Held in Place by a Malleable Lock Washer and Spring Cotter.

Adjustable Malleable Iron Roller Brackets. Reel Braces are of Malleable Iron Securely Riveted to the Cutting Blades and Steel Shaft, which Passes Entirely Through the Reel, Producing the Strongest and Most Rigid Reel that is Possible to Build The Reel is Equipped with Adjustable Brass Bearings and Device for Taking Up all Wear.

Screw Adjustments Throughout. A Positive and Durable Ratchet Geared on Each Side. Good Quality of Materials and Workmanship. Fully Guaranteed. Far Better Quality and Value for the Money is Offered in this Machine than in any other Lawn Mower Made.

★RED CLIPPER
PLAIN BEARING
High Wheel; Four Blades

Empire Red with Gold Bronze Wheels and Decorations.

Diameter of Drive Wheels 9 inches; Diameter of Reel 6½ inches; Shrub Rod ⅝ inch; Reel Shaft $\frac{5}{16}$ inches; Three Cutting Blades of Crucible Steel, Carefully Tempered, Water Ground and Self-sharpening.

Adjustable to Cut Grass to Lengths of ¼ to 1¼ inches. Cuts Grass Standing 5 to 6 inches High.

A Varnished Handle and Roller of Hardwood Maple.

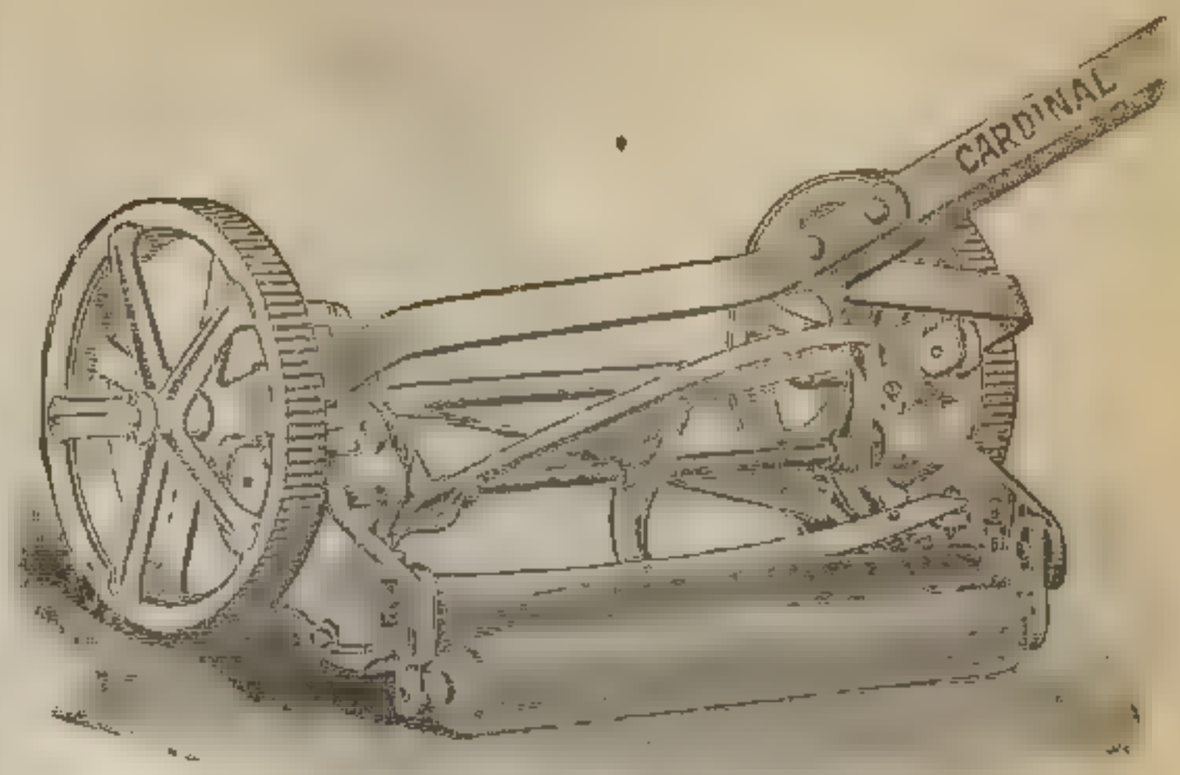
Width of Cut, Inches	12	14	16	18
Extreme Width, inches	$18\frac{13}{27}$	$20\frac{13}{33}$	$22\frac{13}{39}$	$24\frac{13}{51}$
Weight Boxed, lbs..	43	45	47	49
Each.....	$14 50	15 20	16 00	16.50

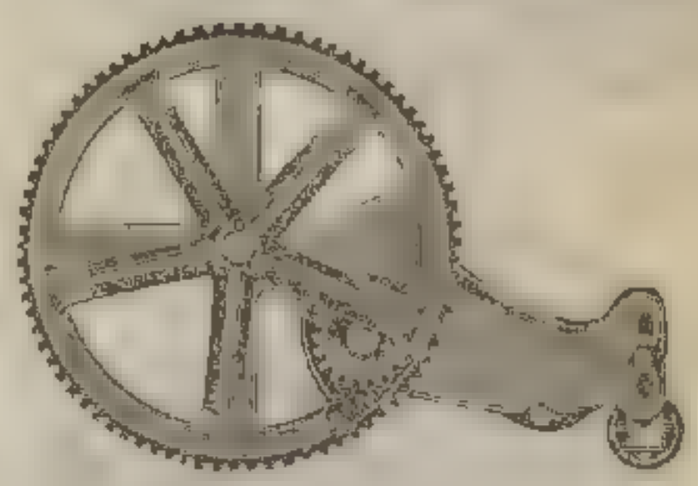
One in a Box; Handles Half Dozen in a Bundle

LAWN MOWERS

★CARDINAL

PLAIN BEARING





This Mower is Another Popular Design of the New Open Type Construction; Very Light and Easy Running; All Parts Accurately Machined so that they will Assemble without the Least Particle of Strain. Only Materials of First Quality are used. Wheels, Side Plates and Cutter Bar Castings of Good Quality Gray Cast Iron; Malleable Iron Reel Braces Perfectly Fitted and Riveted to Reel Shaft, which makes it Impossible to Spring the Reel. Holes are Drilled through the Center of the Side Plates by two Operations, to Insure Exact Dimensions, through which a Piece of Accurately Rolled Steel Shafting Passes, Forming a Shrub Guard and an Axle for the Drive Wheels, Enabling them to Turn on Steel Bearings. The Fit Between the Shafting and Side Plate Holes is so Perfect there is Absolutely no Play and a Set Screw Passing Through a Lug on Each Side Plate and Fastening into Recesses in the Shafting Makes a Strong and Immovable Frame Construction. Drive Wheels Held in Place by Malleable Lock Washer and Spring Cotter. Adjustable Malleable Iron Roller Brackets; Double Geared Both Sides. Adjustable Hardwood Roller; 3½ foot Varnished Hardwood Handle.

★CARDINAL
PLAIN BEARING
High Wheel; Three Blades

Handsomely Finished in Cardinal Red; Gold Bronze and Green Decorated.

Diameter of Wheels 9 inches; Diameter of Reel 5¾ inches; Width of Blades $1\frac{1}{16}$ inch; Reel Shaft ⅝ inch; Front Bar ⅝ inch.

Adjustable to Cut Grass to Lengths of ¼ to 1¼ inches. Cuts Grass Standing 5 to 6 inches High.

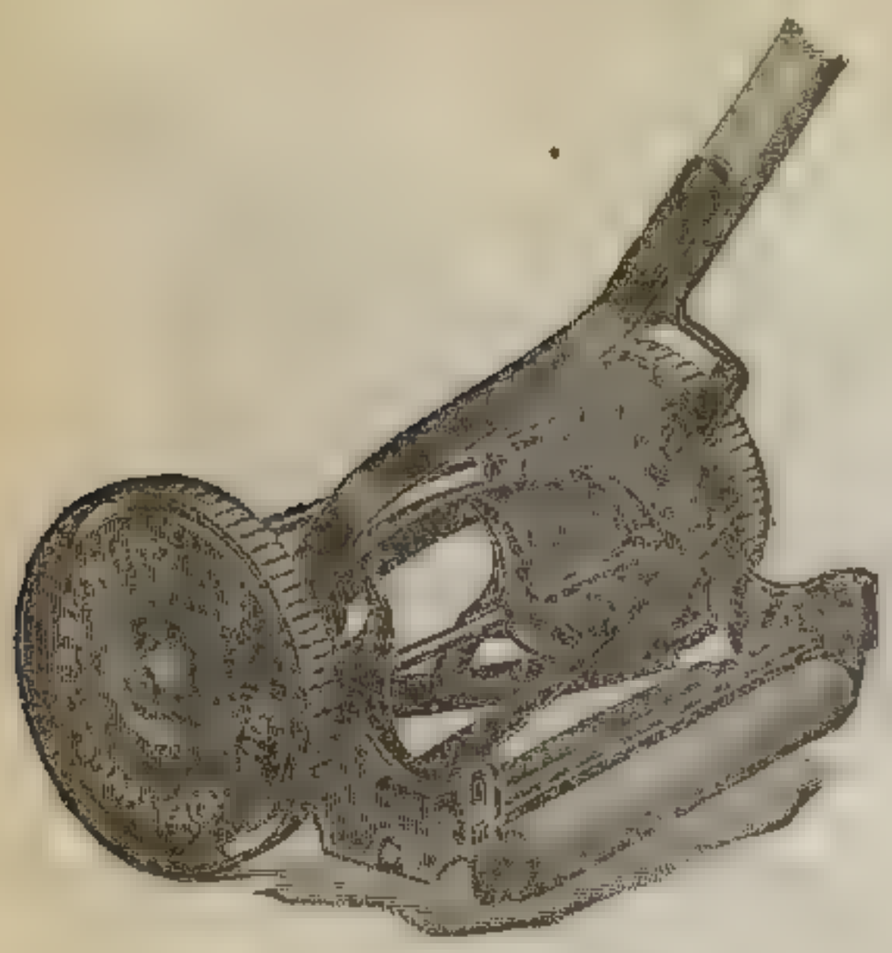
Width of Cut, Inches,	12	14	16	18
Extreme Width, inches.	18⅝	20⅝	22⅝	24⅝
Weight Boxed, lbs.....	43	45	47	49
Each.....	$12 50	13 00	13.50	15.00

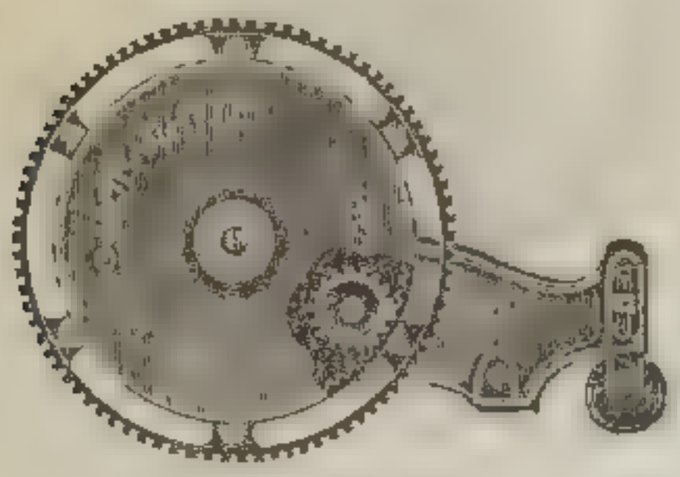
One in a Box; Handles Half Dozen in a Bundle

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE

LAWN MOWERS

★BOB WHITE
PLAIN BEARING





Double Gearing

Crucible Tool Steel Reel Knives; Malleable Iron Reel Braces; Solid Steel Reel Axle; Cast Side Plates; Heavy Cast Iron Drive Wheels and Bed Plate; Tool-Steel Bed Knife Riveted to Bed Plate; Malleable Roller Brackets; Hardwood Roller; Steel Front Brace; Wrought Steel Handle Braces; Fitted with Combination Clutch and Pinion with Sliding Pins on Each Side of the Machine; 3½-foot Varnished Hardwood Handle and Cross Bar. Side Plates are Cupped Around the Rim, which Not Only Improves the Appearance but Gives it Strength as well. The Front Brace is set High to Permit the Grass to Come in Contact with the Blades without Being Bent Forward.

★BOB WHITE—PLAIN BEARING

Low Wheel; Three Blades

Pale Green and Red with Gold Bronze Stripes. A Light Running Mower, with Material so Placed as to Obtain the Greatest Strength without Unnecessary Weight.

Diameter of Drive Wheels 8 inches; Diameter of Reel 6 inches; Reel Axle ½ inch; Front Brace ½ inch. Adjustable to Cut Grass to Lengths of ½ to 1¼ inches. Cuts Grass Standing 5 to 6 inches High.

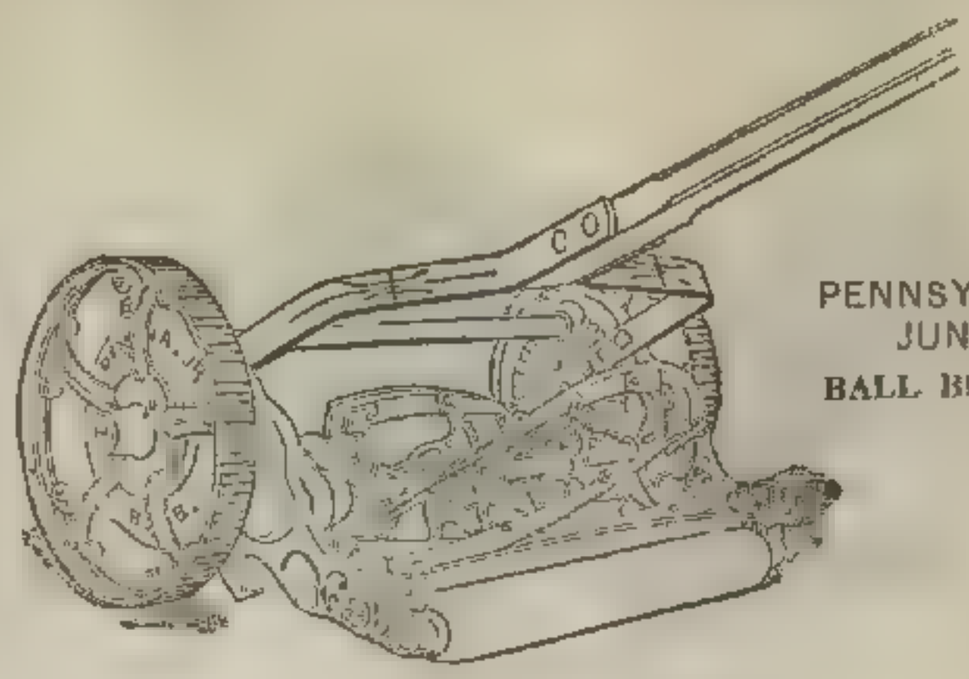
Width of Cut, Inches...	**12**	**14**	**16**	**18**
Extreme Width, inches....	15¼	17¼	19¼	21¼
Weight Boxed, lbs.....	40	42	44	64
Each.....	**$10.80**	**11.30**	**12.00**	**12.50**

One in a Box; Handles Half Dozen in a Bundle

LAWN MOWERS

PENNSYLVANIA

Heavy Cast Iron Side Plates, Wheels and Gear Casings; Crucible Tool Steel; **Self Sharpening**; Revolving Reel Blades and Stationary Knife; Malleable Iron Reel Braces and Roller Brackets; Adjustable Hardwood Roller; Triple Gearing on One Side; 3½-foot Varnished Hardwood Handle, Painted Green and Red with Gold Bronze Striping.



PENNSYLVANIA JUNIOR
BALL BEARING

High Wheel

10-inch Drive Wheels; Five Blades; 6-inch Cylinders; Adjustable to Cut Grass to Lengths of ⅝ to 1½ inches; Cuts Grass Standing 5 to 6 inches High.

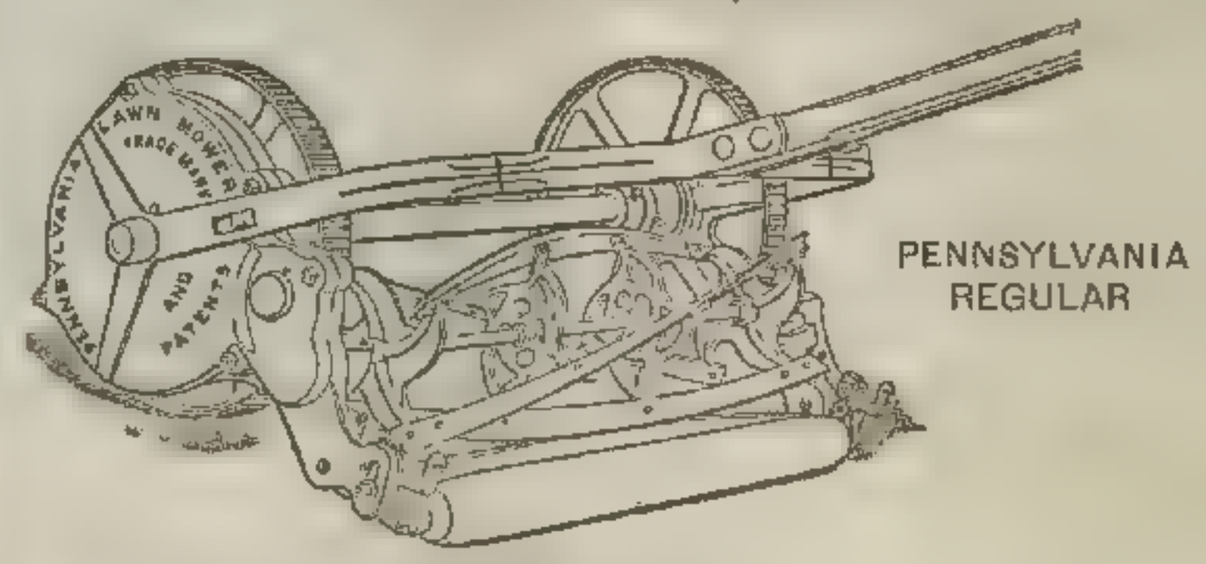
Nos.....	**JH15**	**JH17**	**JH19**	**JH21**
Width of Cut, inches...	15	17	19	21
Extreme Width, inches	22	24	26	28
Weight Boxed, lbs...	71	74	77	80
Each.....	$30.00	34.00	38.00	42.00
	45.00	**51.00**	**57.00**	**63.00**

Low Wheel

8-inch Drive Wheels; Five Blades; 5½-inch Cylinders; Adjustable to Cut Grass to Lengths of ⅝ to 1½ inches; Cuts Grass Standing 4 to 5 inches High.

Nos	**JL14**	**JL16**	**JL18**
Width of Cut, inches...	14	16	18
Extreme Width, inches..	21	23	25
Weight Boxed, lbs.....	62	65	68
Each.....	$28.00	32.00	36.00
	30.80	**35.20**	**39.60**

One in a Box; Handles Bundled



PENNSYLVANIA REGULAR

High Wheel

10½-inch Drive Wheels; Four Blades; 6½-inch Cylinders; Adjustable to Cut Grass to Lengths of ⅝ to 1½ inches; Cuts Grass Standing 5 to 6 inches High.

Nos.....	**PH15**	**PH17**	**PH19**	**PH21**
Width of Cut, in...	15	17	19	21
Extreme Width, in.	22	24	26	28
Weight Boxed, lbs	78	82	85	97
Each.....	$30.00	34.00	38.00	42.00
	45.00	**51.00**	**57.00**	**63.00**

One in a Box; Handles Bundled

Extra Parts for Lawn Mowers Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory

Use Diamond Oil and *DIAMOND EDGE* Lawn Mower Paste

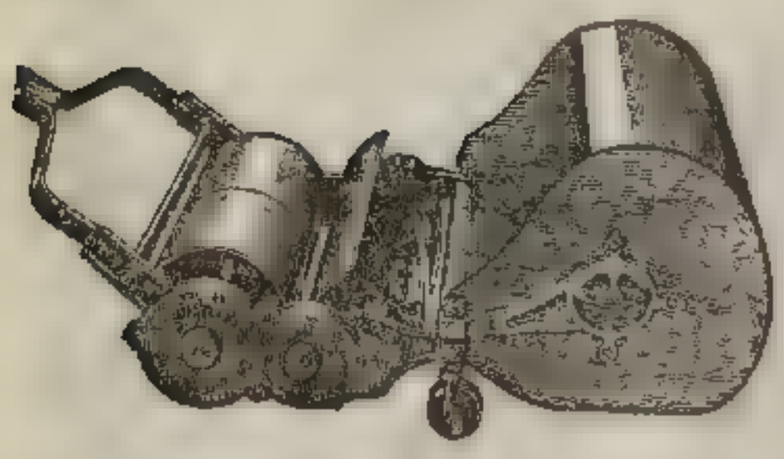
PUTTING GREEN MOWERS

PENNSYLVANIA

Heavy Cast Iron Side Plates, Wheels and Gear Casings; Crucible Tool Steel, **Self Sharpening**; Revolving Reel Blades and Stationary Knife; Malleable Iron Reel Braces and Roller Brackets; Adjustable Hardwood Roller; Triple Gearing on One Side; 3½-foot Varnished Hardwood Handle; Painted Green and Red with Gold Bronze Striping.

Complete With Grass Box

Cut Shows Mower with Grass Box Detached



Cut Shows Mower with Grass Box Attached

Note

The Grass Boxes of Catchers which are Furnished with these Mowers are Composed of Two Parts—the Box Proper and the Shield or Deflector, to Deflect the Grass Forward into the Box. They are Made of Sheet Metal with Wood Ends and are Easily Attached and Detached.

The New Fad of Making Putting Greens on Golf Links Wavy or Undulating has Revived a Demand in Some Sections, Originally in Great Britain, and More Recently in this Country, for the Old Roller Type, Forward Cut Lawn Mowers.

The Pennsylvania Putting Green is an Exact Model of the **Pennsylvania Grand Horse Mower**, Modified Only to Operate by Hand.

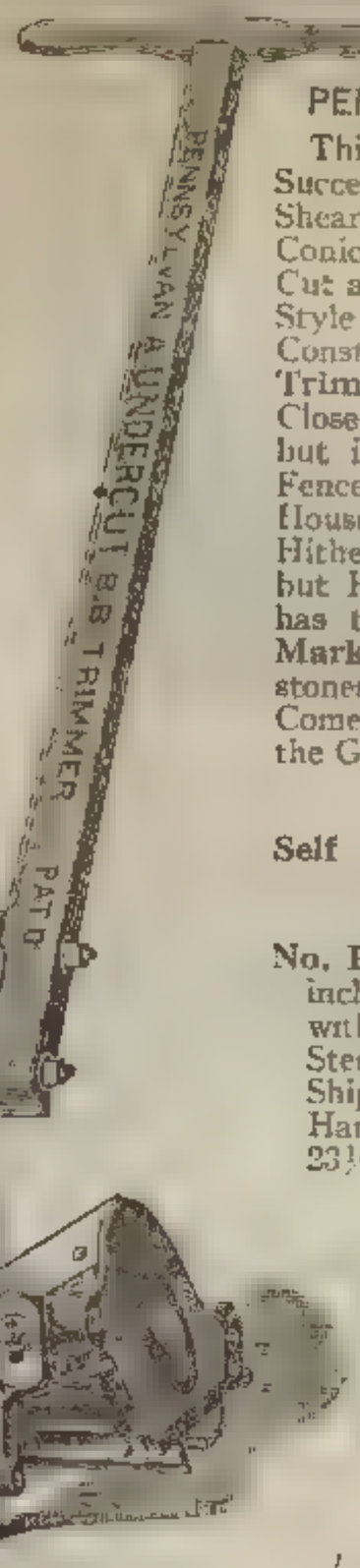
The Stationary **Knife** is Bolted Rigidly to the Frame, Making the Adjustment Entirely with the Cylinder. The Journal Boxes or Cylinder Bearings are Self-Aligning, Insuring a Perfect Cutting Edge the Entire Length of the Blades. This Mower Can be Se to Cut $\frac{1}{16}$ of an inch, Adapting it for Putting Greens, Tennis Courts, Cricket Creases, and Other Work Requiring an Exceptionally Close and Smooth Cut. It Can Also be Used as an Edge Trimmer for the Ordinary Lawn. The Front Wood Roller Better Supports the Machine in Mowing Terraces, but Can be Readily Removed if Desired, Leaving Only the Casters as Supports.

All Blades in this Mower are Crucible Tool Steel, Oil Tempered and Hardened.

Diameter of Rollers 7 inches; Diameter of Cylinder 5½ inches; Six Blades.

Width of Cut, Ins...	**†14**	**†16**	**†18**
Shipping Weight, lbs..	96	110	134
Each.....	**$67 50**	**75.50**	**83.00**

LAWN TRIMMERS



PENNSYLVANIA UNDER-CUT

This Machine is the Only One to Successfully Replace the Use of Hand Shears. The Slanting Side Plate and Conical Cylinder Make it Possible to Cut all the Grass Left by the Regular Style of Lawn Mower. The Unique Construction of the **Under Cut Trimmer** Permits Cutting Not Only Close up to a Wall, Fence, Tree, etc., but it will Get the Grass **under** a Fence or Rock-cut Base of Tombstones, House Foundations and Other Places Hitherto Out of Reach of Anything but Hand Shears. For Cemeteries it has the Special Advantages of Not **Marking** or **Smudging** the Tombstones, as the Side Plate Does Not Come in Contact with the Stone Above the Grass Line.

BALL BEARING
Self Sharpening, Light Weight, Four-Blade Cylinder

Each

No. PX—Drive Wheel, 9½ inches. Ball Bearing Cylinder, with Four Tempered Crucible Steel Blades, 5½-inch Cut. Shipping Weight, Including Handle, 32 lbs. Net Weight 23½ lbs., Including Handle **$22.00**

One in a Box

PENNSYLVANIA

For Cutting Grass Left at the Edge of Lawns, Close up to Walls, Fences and Around Trees, etc., After Mowing. Will Cut to Within ⅝ inch of Wall or Tree; Takes the Place of Grass Shears and Other Devices Employed for this Purpose.

BALL BEARING
Adjustable Reel

Crucible Tool Steel Blades; **Self Sharpening**; Cast Iron Wheel and Side Plates; Malleable Reel Braces.

Painted Green and Red, Gold Stripes Varnished Hardwood Handle.

Each

No. PLT—6 inch Cut; 4 Blades. Extreme Width 13¼ inches; Weight Boxed 25 lbs..... **$20.50**

One in a Box

Items Marked † Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory, Philadelphia, Pa.

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE.

HORSE AND PONY LAWN MOWERS

PENNSYLVANIA

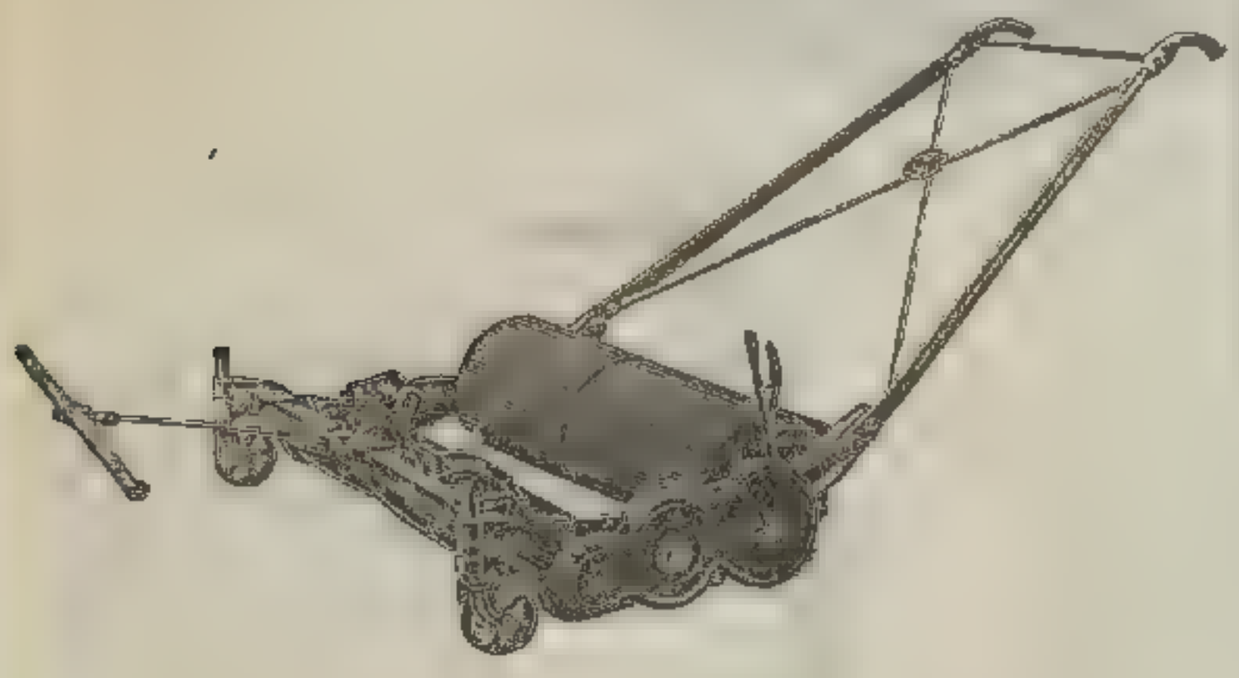
High Grade Cast Iron Frame, Drive Wheels and Gear Casings; Malleable Iron Reel Braces; Crucible Tool Steel; Oil Tempered Revolving Reel Blades, and Adjustable Bed Knife; Full Braced Steel Handles.

PONY OR TWO-MAN

For use of Pony or Two Men on Large Lawns and where the Surface is Broken by Walks and Shrubbery or is too Hilly for Regular Horse Mower. Triple Geared on both Sides, 11 inch Drive Wheels; 5/8 inch Steel Axle; 1 inch Tubular Front Bar; Upturned Bed Knife, with Front Draft Attachment for Pony or Horse Adjustable to Cut Grass to Lengths of ½ to 2 inches.

Four Reel Blades

	Each
No. 25—Width of Cut 25 inches; Diameter of Reel 6¾ inches; Extreme Width 35 inches; Weight Boxed about 150 lbs.	**$110.00** 100.00



HORSE MOWERS

Triple Geared on One Side Only; Diameter of Reel 11½ inches; Double Cast Iron Rollers 11½ inches in Diameter; Cast Iron Guide Rollers 4½ inches in Diameter; Malleable Iron Cross Bar for Draft Iron 32½ inches Long; Wrought Iron Stem for Draft Iron 31½ inches Long; U Steel Draft Iron with Lever for Throwing Blades Out of Gear.

Four Reel Blades

	✣30	✣38
Nos.		
Width of Cut inches	30	38
Extreme Width, inches	37	44
Length of Roller, inches	26	34¼
Weight, Boxed, lbs.	350	370
Each	$200.00	260.00
	220.00	**286.00**
Extra—With Seat and Side Draft Shaft add	**$66 00**	66.00

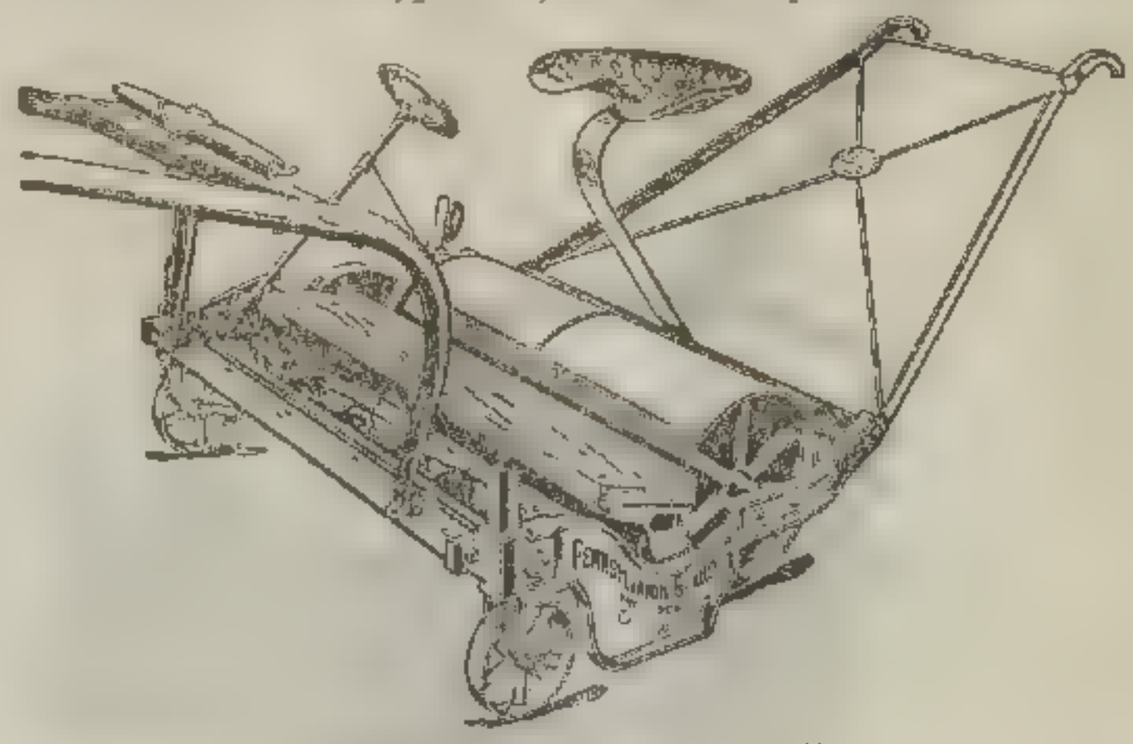
One in a Crate

HORSE LAWN MOWERS

PENNSYLVANIA GRAND

Aluminum and Gold Bronze Finish

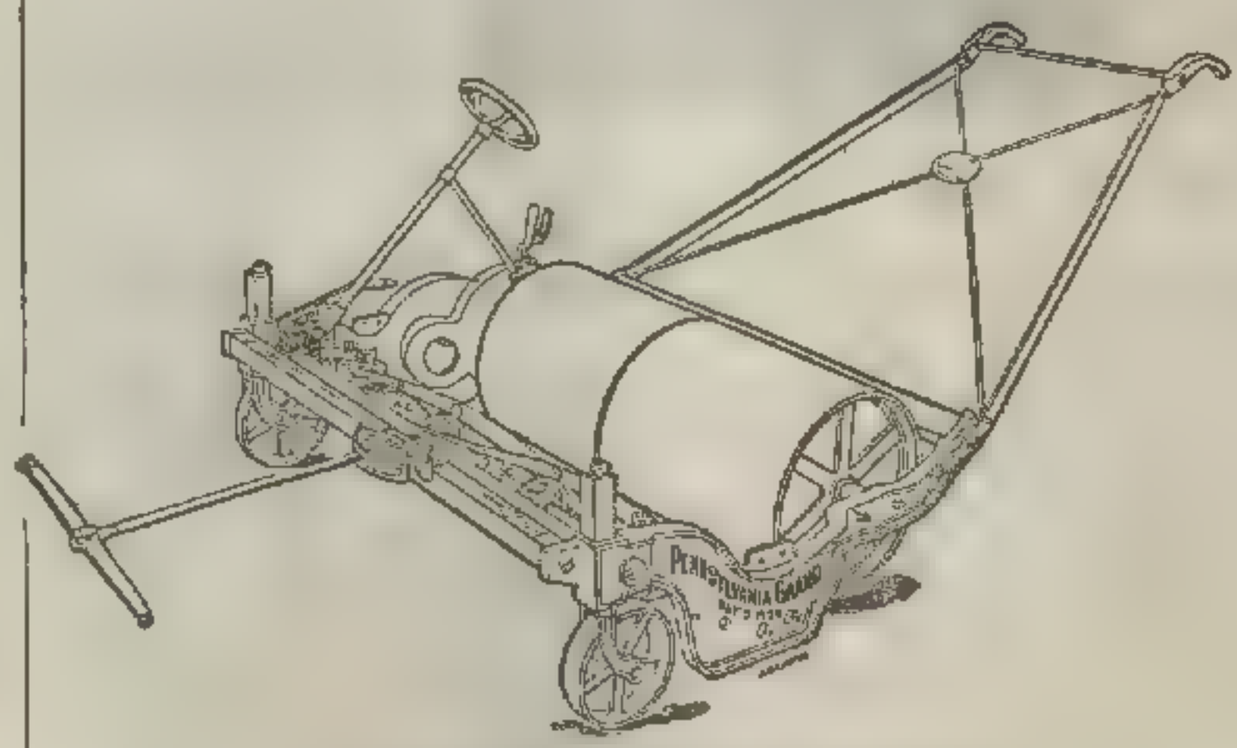
Heavy Cast Iron Frame; Malleable Iron Reel Braces; Front Bar; Adjusting Levers; Caster Stems and Cylinder Ends; Crucible Tool Steel; Oil Tempered, Self-Sharpening Blades; Cast Steel Pinions; Wrought Steel Handles; Draft Stem and Adjusting Wheel Post; Cast Iron Seat; Spring Steel Seat Support; all Journal Boxes are Phosphor Bronze Bushed. The Cylinder Runs in Self-Adjusting Floating Journals with Split Boxes, which is Self-Aligning and Distributes the Wear on Blades Evenly. The Blades are Thrown in or out of Gear by the Lever at Side of Machine; the Height of Cut is Controlled by the Hand Wheel, and can be Changed, while Machine is in Motion, to any Length from ⅜ inch to 2⅞ inches. Diameter of Reel 7½ inches; Diameter of Cylinder 15 inches



With Shafts, Seat and Handles

Wood Foot Rest 9 inches Wide

Nos.	✣GC304	✣GC306
Width Cut, inches	30	30
Number of Reel Blades	4	6
Extreme Width, inches	41	41
Weight, Crated, lbs.	635	645
Each	$240.00	265 00
	288.00	**318.00**
Nos.	✣GC384	✣GC386
Width Cut, inches	38	38
Number of Reel Blades	4	6
Extreme Width, inches	49	49
Weight, Crated, lbs.	720	750
Each	$300.00	325.00
	One in a Crate **360 00**	**390.00**



With Draft Irons and Handles Only

Width of Cut 30 inches

Nos.	✣G304	✣G306
Number of Reel Blades	4	6
Extreme Width, inches	41	49
Weight, Crated, lbs.	595	605
Each	$200.00	225.00
	One in a Crate **240.00**	**270.00**

Items Marked ✣ Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory, Philadelphia, Pa.

SILVER PLATED FLAT WARE

1847 ROGERS BROS.

INTERNATIONAL SILVER CO.

Silverplate
The Family Plate
for Seventy Five
Years

Design	Assandra	Anniversary	1847 ROGERS BROS. TRADE MARK	DEALERS PRICES SUBJECT TO REGULAR TRADE DISCOUNT	PRICES TO CONSUMERS INCLUDING GOVERNMENT TAX
			SPOONS (Six in a Box)		
1602	2602	3602	Tea	$8 50 per doz.	$ 50 per doz.
1603	2603	3603	Dessert	17 00 per doz.	24 50 per doz.
1605	2605	3605	Table	17 50 per doz.	25 00 per doz.
1604	2604	3604	Soup (Round Bowl)	17 50 per doz.	15 00 per doz.
			FORKS (Six in a Box)		
1607	2607	3607	Dinner or Medium (Flat Handle)	10 50 per doz.	15 00 per doz.
1608	2608	3608	Dessert (Flat Handle)	17 00 per doz.	11 00 per doz.
1613	2613	3613	Dinner or Medium (Hollow Handle)	25 50 per doz.	11 00 per doz.
1604	2604	3604	Dinner or Medium (Hollow Handle, stainless)	30 00 per doz.	23 00 per doz.
			KNIVES (Plated Blades) Six in a Flannel Roll		
1611	2611	3611	Dinner or Medium (Hollow Handle)	27 60 per doz.	5 00 per doz.
1612	2612	3612	Dessert (Hollow Handle)	27 00 per doz.	30 80 per doz.

TRADE MARK REGISTERED IN THE U S PAT OFF CE

SILVER PLATED FLAT WARE

1847 ROGERS BROS.

INTERNATIONAL SILVER CO

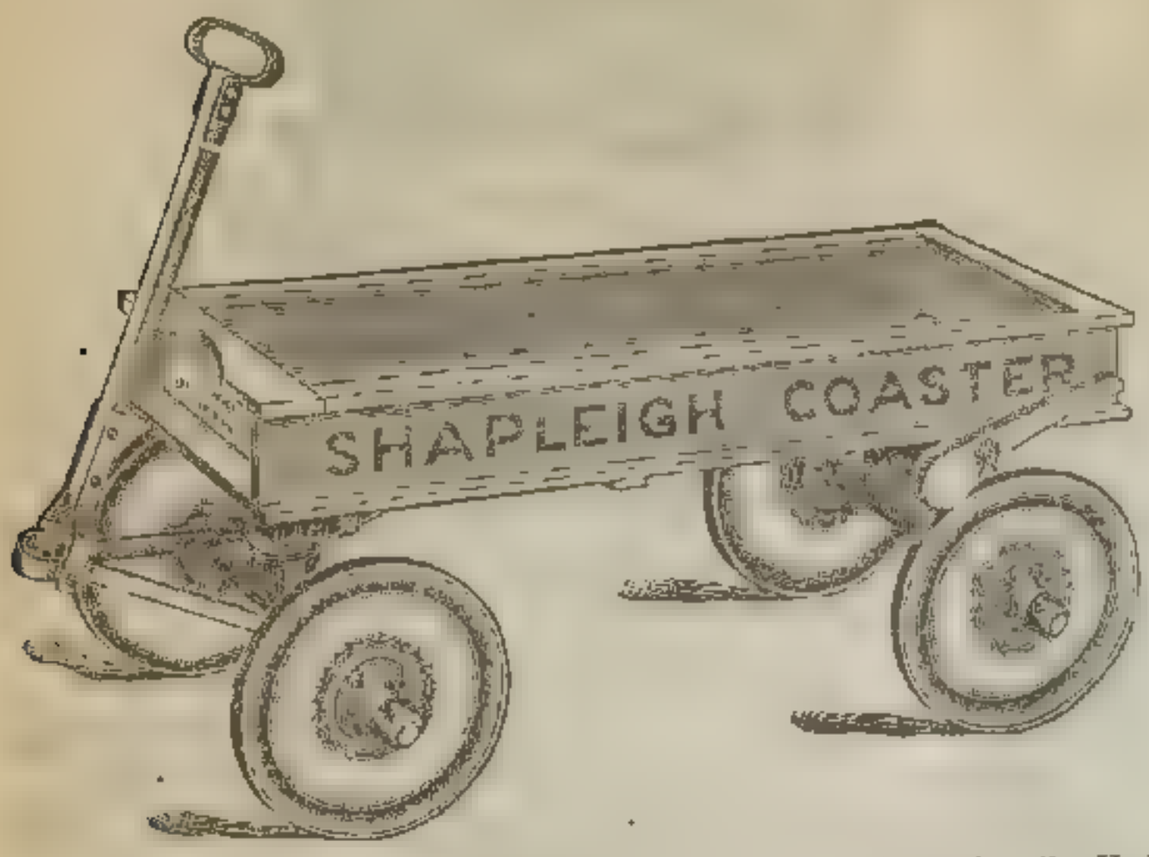
Silver Plate

Lenwin	Ambassador	Anniversary	All pieces listed on this page are packed in Blue Velvet Lined Gift Boxes		DEALERS' PRICES SUBJECT TO USUAL TRADE DISCOUNT	PRICES TO CONSUMERS INCLUDING GOVERNMENT TAX
			SPOONS			
1626	[illegible]	3625	Coffee	6 in a box	$8 50 per doz	$7 50 per doz
1622	2622	3622	Bouillon	6 in a box	12 40 per doz.	14 00 per doz
1629	2629	3629	Iced Tea	6 in a box	14 20 per doz.	12 00 per doz.
1641	2641	3641	Orange	6 in a box	11 20 per doz.	11 00 per doz
1620	2620	3620	Large Berry	1 in a box	43 20 per doz.	30 00 per doz
1619	2619	3619	Baby (Bent Handle)	1 in a box	14 40 per doz.	12 00 per doz.
1654	2654	3650	Sugar	1 in a box	18 80 per doz.	15 00 per doz
			FORKS			
1667	2667	366[illegible]	Cold Meat	1 in a box	28 00 per doz	24.00 per doz
1679	2679	3679	Oyster or Sea Food	6 in a box	11 60 per doz.	10 00 per doz
1646	2646	3646	Pickle or Olive	1 in a box	20 00 per doz	18 00 per doz
1686	2686	3686	Individual Salad or Pastry	6 in a box	17 00 per doz	14 00 per doz
			KNIVES (PLATED BLADES)			
1665	2665	3665	Butter	1 in a box	18 20 per doz	16 20 per doz.
1667	2667	3667	Individual Butter Spreader (Flat Handle)	6 in a box	14 40 per doz	12 00 per doz
			LADLES			
1715	2715	3715	Cream	1 in a box	25 60 per doz.	24 00 per doz
1717	2717	3717	Gravy	1 in a box	36 60 per doz	30 00 per doz.
			CARVERS			
1725	2725	3725	Large (3 Piece Knife Fork and Steel, Hollow Handle		18 80 each	15 00 each
			Large (3 Piece Knife, Fork and Steel Hollow Handle (Stainless Blades)		20 00 each	16 00 each
1628	2628	3628	Small (2 Piece Knife and Fork Hollow Handle)		14 40 each	11.00 each
1728	2728	3728	Small (2 Piece Knife and Fork, Hollow Handle (Stainless Blade)		17 60 each	13 00 each
			MISCELLANEOUS			
1710	2710	3710	Pie Server (Hollow Handle	1 in a box	68 50 per doz.	54 00 per doz.
1681	2680	3680	Tomato Server (Flat Handle,	1 in a box	48 00 per doz.	39 00 per doz.
1708	2708	3708	Sugar Tongs, Small	1 in a box	37 00 per doz.	34 00 per doz.
			SETS			
1737	2737	3737	Child Sets (Spoon Forks and Flat Knives)		40 00 doz sets	46 00 doz. sets
1735	2735	3735	Child Set (Spoon, Fork and H. H Knives)		50 00 doz sets	42 00 doz sets

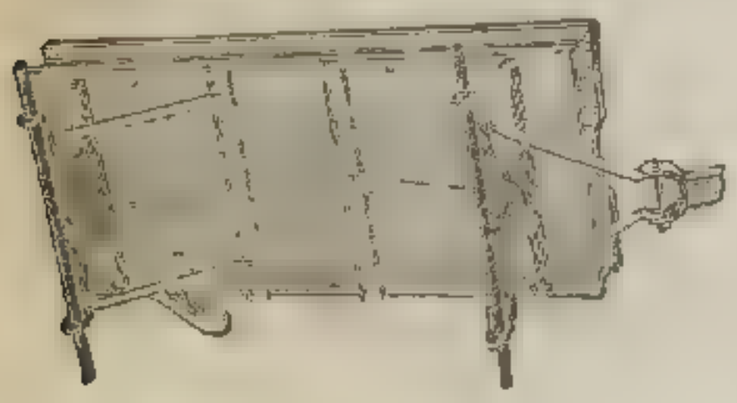
COASTER WAGONS

SHAPLEIGH ROLLER BEARING

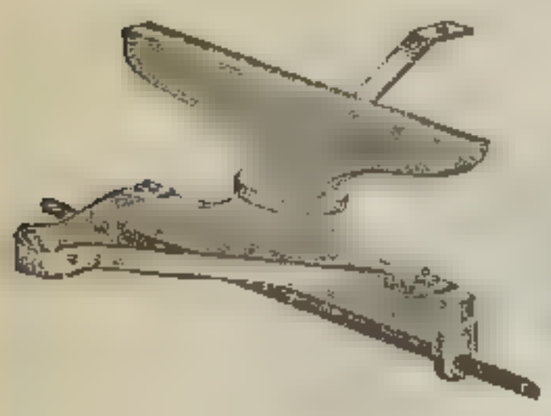
Combining Strength, Durability and Attractiveness



Constructed So As to Withstand Hard Usage; Exceptionally Well Built. The Attractive Finish of Red with Green Trimming is Different. Fitted with Roller Bearing Disc Wheels, Finished in Green, Which are Practical and Attractive, Making the Shapleigh Coaster One of the Swiftest and Most Easy Running on the Market.



Bottom View of Coaster Showing How Well the Shapleigh Coaster is Braced Throughout; Boards are Matched and Held Together with Heavy Cleats; Axles of One-Half inch Cold Rolled Steel; Wood Bolsters of Thoroughly Seasoned Hickory.



Front and Rear Bolsters, Made of the Finest Grade Selected Hard Wood, With Heavy Kingbolt Which Passes Clear Through, Thus Eliminating All Checks and Splits. This Construction Enhances the Life of Coaster, by Resistance of Jarring and Hard Knocks.

SPECIFICATIONS

Box—Southern White Ash; Removable; No Sharp Edges; Box Ends Mortised Into Sides

Bed—Southern White Ash; Boards Matched and Held Together with Heavy Cleats.

Bolsters—Selected Hickory; Kingbolts Pass Clear Through.

Wheels—Steel Tire Disc; Roller Bearing.

Axles—Cold Rolled Steel.

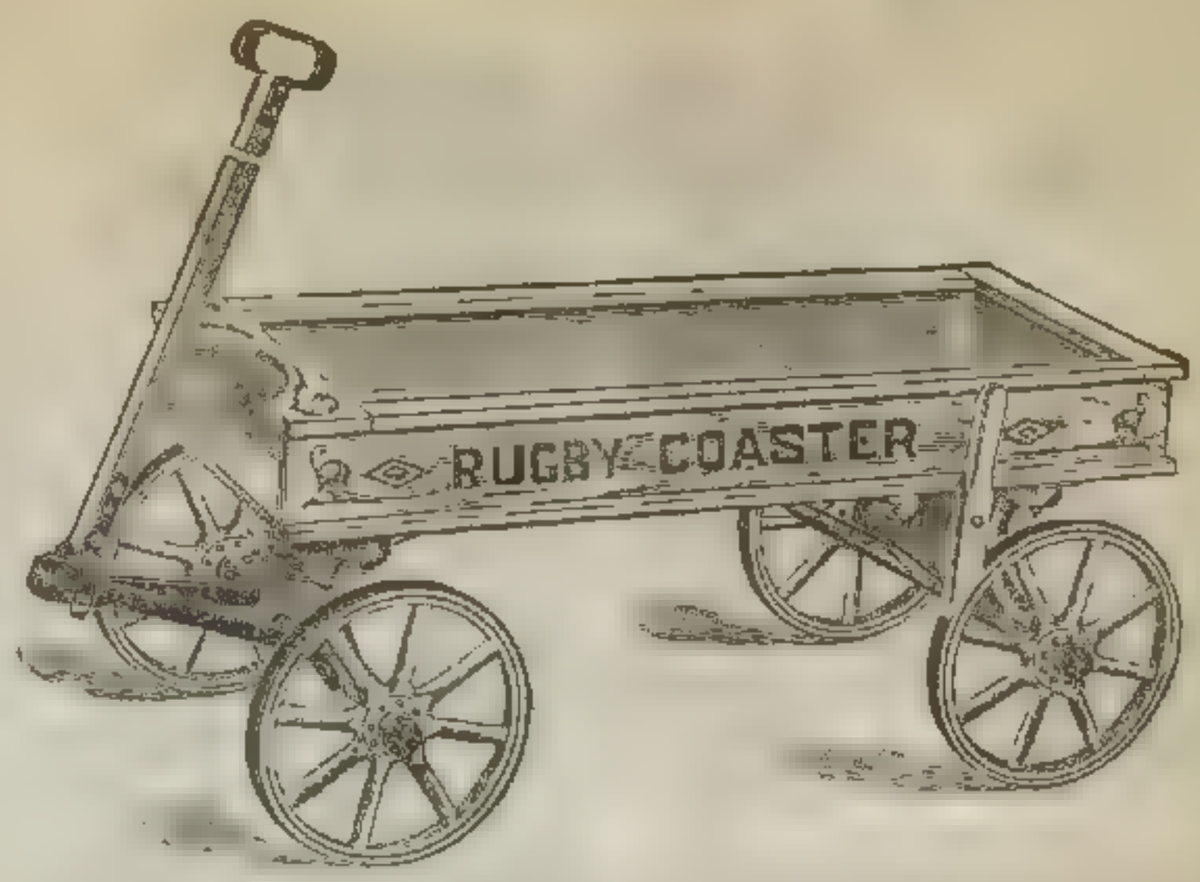
Nos.	DSC1	DSC2	DSC3
Body, inches	14x32	14x34	16x38
Diameter of Wheels, inches	10	10	10
Weight per Dozen, lbs.	360	390	450
Per Dozen	**$124.00**	**135.50**	**148 50**
Packed Dozen, per Crate	1/6	1/12	1/12

SHAPLEIGH SPECIAL RUBBER TIRE COASTER WAGONS

Nos.	RDSC1	RDSC2
Body, inches	14x32	14x34
Diameter of Wheels, inches	8	11
Rubber Tire, inches	⅝	¾
Weight per Dozen, lbs.	380	390
Per Dozen	**$131 00**	**161 50**
Packed Dozen, per Crate	1/6	1/12

COASTER WAGONS

★RUGBY



A Real Coaster Wagon; One Which Will Appeal to Every Child, Strongly Constructed of Only the Very Best Materials; Finished in Attractive Colors.

Body—Detachable; Bottom Boards Joined with Tongue and Groove; Only Best Quality Hardwood Used; Lock Washers on Bolts to Prevent Loss of Nuts.

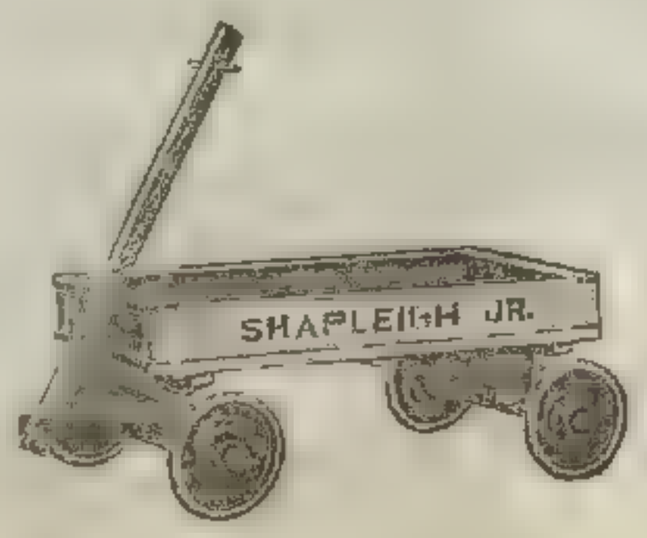
Bolster—Hardwood, Steel Braced; High Class Finish and Construction.

Wheels—Roller Bearing; Have Shaped Hardwood Spoke, Mortised in Felloe; Nickel Plated Hub Caps.

Tongue—Hardwood, with Steel Loop Handle.

Nos.	RC1	RC2	RC3
Body, inches	14x32	14x34	16x38
Wheel, inches	10	10	10
Weight, lbs.	310	360	400
Dozen in Carton	1/6	½	½
Per Dozen	**$124.00**	**135.50**	**148 50**

SHAPLEIGH JUNIOR



Rubber Tired, Disc Wheels; All Numbers are Finished in Natural Grain Wood, Artistically Lettered and Decorated in Red and Black; Body is Made of Selected Well Seasoned Hardwood, Reinforced with Stong Cleats; Beautiful Red Enameled Disc, Automobile Type Steel Wheels; Retained Roller Beatings.

	Per Dozen
No. 38DR—10x20x4½ inches; ½ inch Tire; Weight per Dozen, 45 lbs.	**$54 20**
No. 39DR—11x24x5½ inches; ⅝ inch Tire; Weight per Dozen, 55 lbs	**66 90**
No. 40DR—12x28x7 inches; ⅝ inch Tire Weight per Dozen, 67 lbs	**80 80**

Sixth Dozen in Dust Proof Container

BOYS STEEL WAGONS

★NORLEIGH DIAMOND

"Norleigh Diamond" High Grade Boys Wagons are Original in Construction and Distinctive in Appearance. They are Better Ironed, Better Finished and Much Stronger Than Any Other.

The NORLEIGH DIAMOND Boys Wagon is **Better Ironed, Better Finished** and **Much Stronger** Than Any Other Wagon On the Market Just Compare Our Gear With Any Other and Verify This Statement; Where Other Front Gears are Riveted Once or Twice the **Norleigh Diamond is Riveted, Welded** and **Reinforced** at **Nine Different Places.**

Note the Practical and Powerful Fifth Wheel and Gear; Note That the Tongue is Ironed—this Obviates All Tongue Trouble—Tongue Remains Where You Leave It—Does Not Fall to the Ground; Examine the New **Idea Steel Hand Loop,** Which is the Best and Most Practical Ever Used.

The NORLEIGH DIAMOND Gear and Heavy Iron Work, Together with the "New Idea" Large Barrel, Anti-Friction Outer Bearing Hubs and Extraordinary Heavy Spokes and Wide Tires, Enables the NORLEIGH DIAMOND to Withstand Heavy Loads and Rough Usage Where Other Wagons Break Down.

Body—24 Gauge Steel (Others Made of 29 Gauge). Double Beaded or Swedged. Top Edge Reinforced With Heavy Steel Wire; Bed Substantially Fastened to Gear by Eight Steel, Copper Plated Bolts and Nuts, With Washers Under Heads to Keep Them From Pulling Through.

Finish—Enameled, Varnished and Decorated by Hand in **Four Different Color Combinations,** as Follows: Red Outside, Green Inside, Green Gear and Wheels, Green Outside, Red Inside, Red Gear and Wheels; Blue Outside, Red Inside, Red Gear and Wheels; Red Outside, Green Inside, Black Gear and Wheels; Gold Letters and Decorations

Washers—Lock Washers Used on All NORLEIGH DIAMOND Wagons.

Wheels—Steel, Highly Finished to Match Gear, **Fitted with Extra Heavy Spokes and Wide Tires;** "New Idea" Large Barrel Outer Bearings; **Anti-Friction Hubs** and **Brass Plated Hub Caps.**

Gear—Extra Heavy 10 Gauge Channel Steel (Others Made from 14 Gauge, Which is Much Lighter), Enameled to Match Wheels; "V" Shaped Channel Steel Braces; Improved Style Reinforcing Brace on Rear Axles, Extra Large and Strong Fifth Wheel Braces.

Tongue—Made of Select Closely Grained Bent Hard Wood and Will Reach Back Far Enough to Allow Coasting; Finished in Oil; Fitted With "New Idea" Steel Hand Loop.

Packing—All NORLEIGH DIAMOND Gears, Wheels and Tongues are Packed in the Wagon Bed; this Eliminates Battered or Broken **Wheels and Lost Tongues;** This Also Means a Lower Freight Rate.

With Steel Tires

Nos.	100/40	150/20	200/1
Body, inches	8x18	10x22	12x26
Wheels, inches	6&6	8&8	10&10
Weight per Dozen, lbs.	93	120	204
Per Dozen	$34.90	38.00	56.00

Nos.	250/3	300/4
Body, inches	14x30	15x32
Wheels, inches	11&11	11&11
Weight per Dozen, lbs.	252	276
Per Dozen	$63 50	76 00

Sixth Dozen in a Fiber Shipping Carton

BOYS STEEL WAGONS

★SHAPLEIGH DIAMOND

Body—Steel, Corrugated or Swedged Top Edge Reinforced with Steel Wire Cable; Substantially Fastened to Gearing With 8 Steel Bolts; No Rivets.
Gear—All Steel; "V" Shaped Braces.
Tongue—Made of Select Closely Grained Hardwood.
Wheels—Steel; Finished in Green Enamel; Pressed Hubs.
Fifth Wheel—Has Large Circle, Giving an Equal Bearing on Rough Surfaces and Preventing Strain on Body.
Finish—Enameled, Varnished and Striped; Colors: Outside Bed, Red; With Two Gold Stripes, Gold Letters and Gold Decorations; Inside Bed, Green; Gear, Green; Wheels, Green.

Nos.	6/0	4/0	2/0
Body, inches	6x12	8x18	10x22
Wheels, inches	6 & 6	6 & 6	8 & 8
Dozen in a Crate	1	1/3	1/6
Weight per Dozen, lbs.	40	75	90
Per Dozen	$16.00	23.50	28.50

Nos.	1	3	4
Body, inches	12x26	14x30	15x32
Wheels, inches	10 & 10	11 & 11	11 & 11
Dozen in a Crate	1/6	1/6	1/6
Weight per Dozen, lbs.	180	228	276
Per Dozen	$41.50	50.50	59.00

★MOUND CITY

Body—Steel, Beaded Top Edge Reinforced with Steel Wire; Substantially Fastened to Gearing with Steel Bolts and Screws.
Gear—All Steel; No. 0 and Larger, Extra Braced.
Wheels—Steel; Finished in Black Enamel, Pressed Hubs.
Fifth Wheel—Has Large Circle; Giving an Equal Bearing on Rough Surfaces and Preventing Strain on Body.
Finish—Enameled Colors: Outside Bed, Red, Gold Letters and Gold Decorations; Inside Bed, Green; Gears, Black; Wheels Black.

No Broken Crate Lots

Nos.	M0000	M00	M1
Body, inches	8x18	10x22	12x26
Wheels, inches	6 & 6	10&10	10&10
Weight per Dozen, lbs.	74	88	88
Per Dozen	$22.40	27.50	40.00

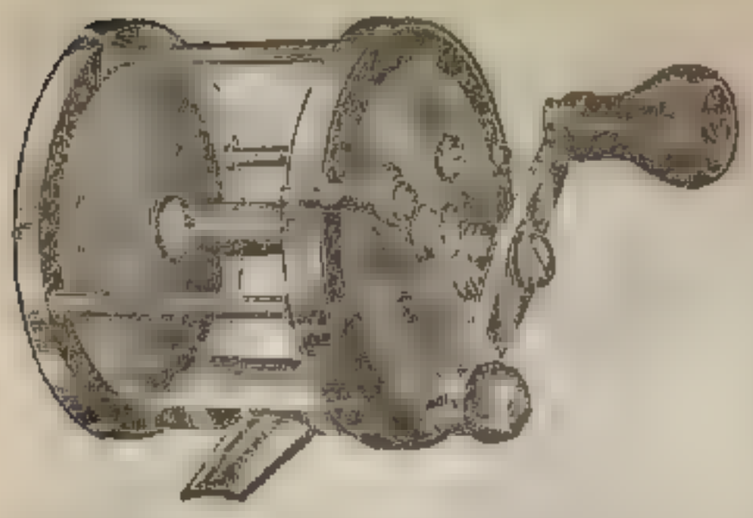
Nos.	M3	M4
Body, inches	14x30	15x32
Wheels, in	11&11	11&11
Weight per Dozen, lbs	200	224
Per Dozen	$48.50	56.70

All Above Except Dia. 6/0, ¼ Doz. in a Crate; Dia. 6/0, ⅓ Doz. in a Crate

NOTE—Weights Given are Approximate, But They Will Not Vary More Than 3 lbs., More or Less

SALT WATER FISHING REELS

"CATALINA FREE SPOOL"



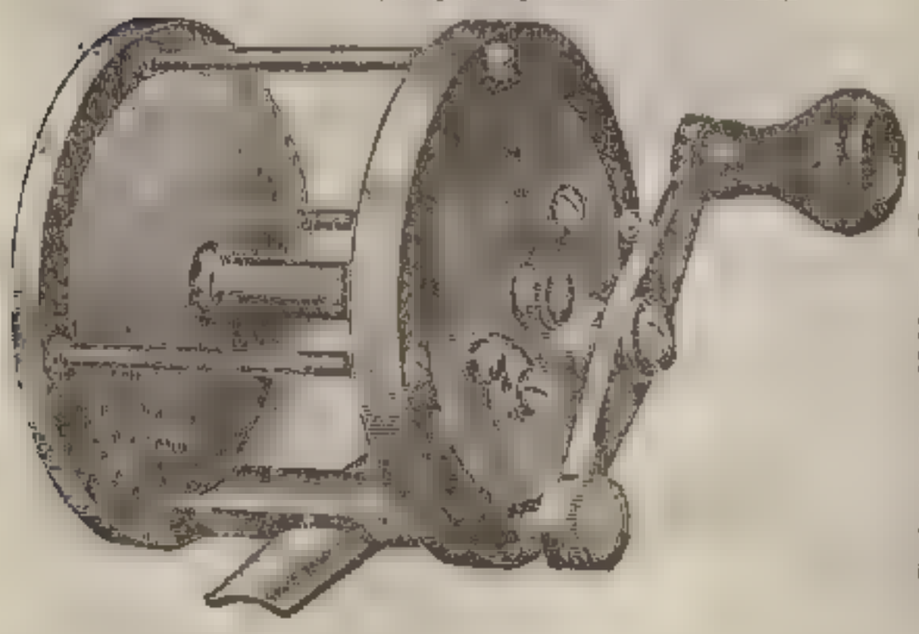
German Silver, Hard Rubber Side Plates; Metal Bound; Adjustable Steel Click; Large Well Balanced Handle with Black Rubber Thumb Piece; All Parts Carefully Milled and Highly Polished.

Per Dozen

No. 98—Capacity, 200 yards. **$264 00**

Twelfth Dozen in a Box

"PACIFIC FREE SPOOL"



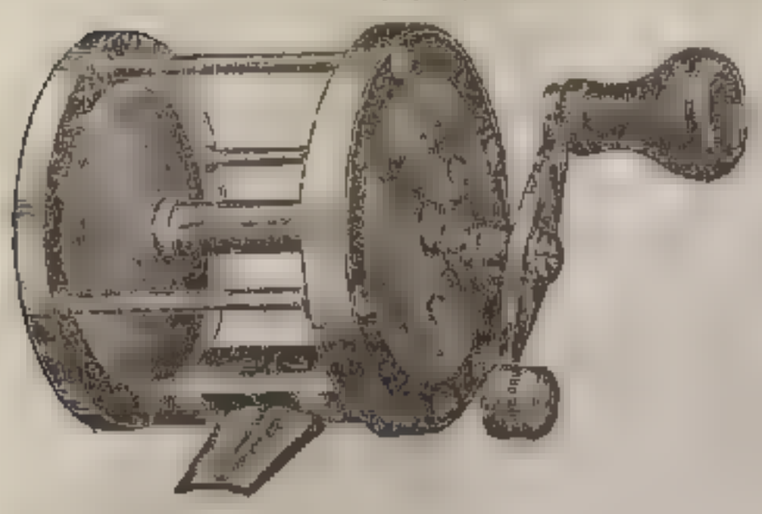
Best Medium Priced Reel Made for Surf Casting; Extra Heavy Rubber Side Pieces, Metal Bound; Lever Free Spool on Handle Side of Reel; New Style Large Handle, Black Rubber Thumb Piece; All Parts Carefully Milled and Highly Nickel Plated.

Per Dozen

No. 79—Capacity, 300 yards. **$240 00**

Twelfth Dozen in a Box

"GULF SURF CASTING"



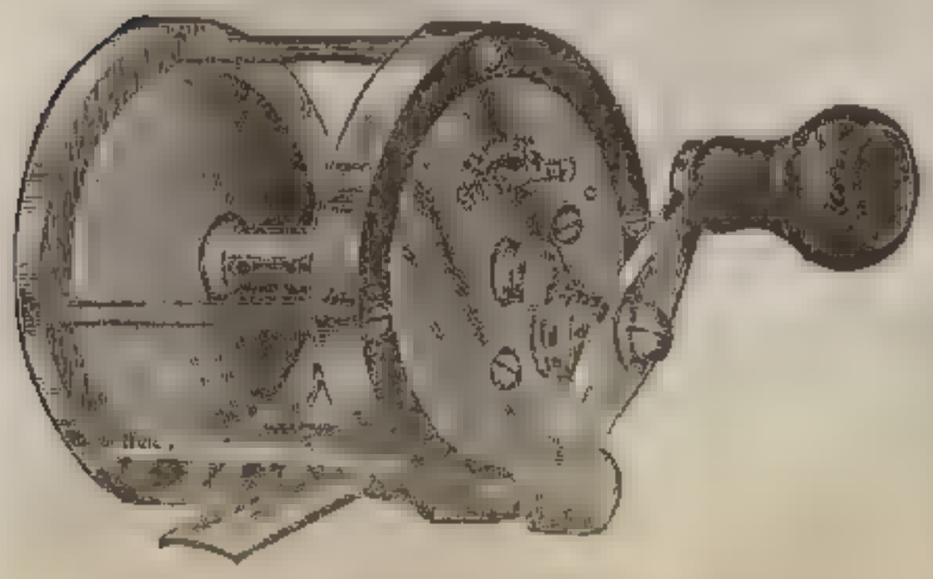
German Silver, Hard Rubber Side Plates; Metal Bound; Steel Pivots; Adjustable Steel Click, Black Rubber Thumb Piece; All Parts Carefully Milled and Highly Polished.

Per Dozen

No. 9007—Capacity, 200 yards. **$102 00**

Twelfth Dozen in a Box

"ATLANTIC SURF CASTING"



Double Multiplying, Hard Rubber Side Plates; Metal Bound, Thereby Giving Extra Strength; Adjustable Click; New Style Large Handle, Black Rubber Thumb Piece; All Milled and Highly Nickel Plated.

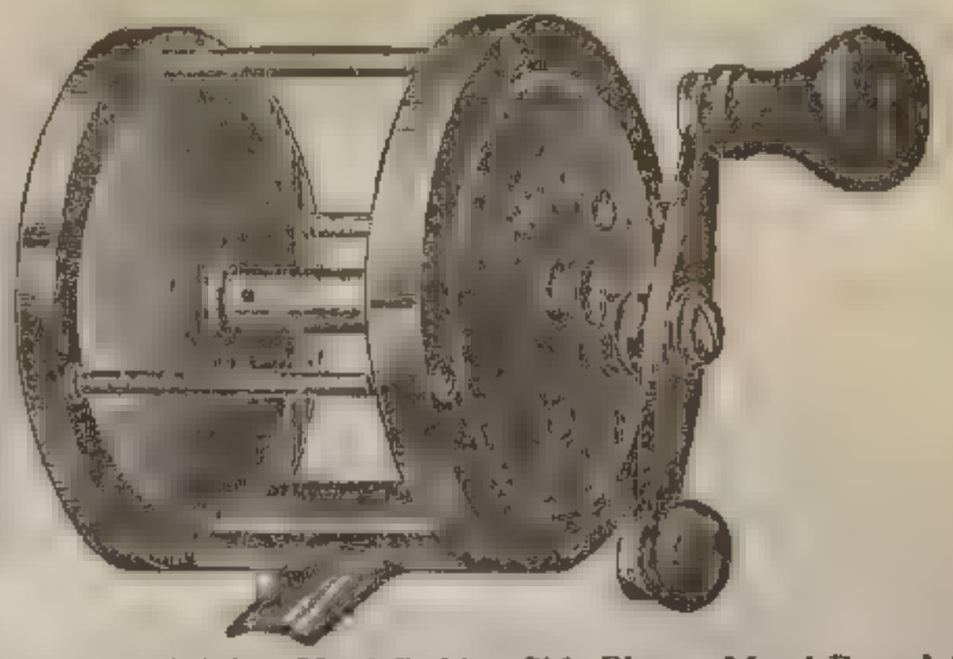
Per Dozen

No. 56—Capacity, 150 yards. **$132.00**

Twelfth Dozen in a Box

SALT WATER FISHING REELS

"PACIFIC SURF CASTING"



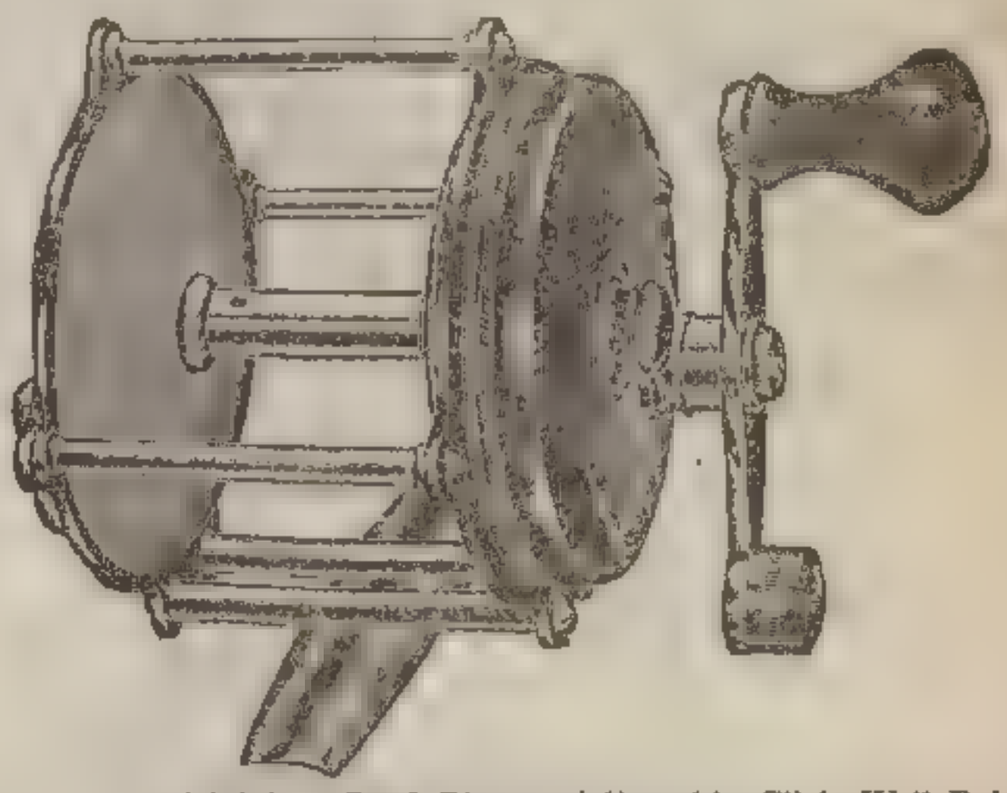
Double Multiplying, Hard Rubber Side Plates; Metal Bound, Thereby Giving Extra Strength; Steel Pivot Bearings; All Parts Carefully Milled and Highly Nickel Plated; Large New Style Handle with Black Rubber Thumb Piece; Adjustable Steel Click.

Per Dozen

No. 7008—Capacity, 250 yards. **$162.00**

Twelfth Dozen in a Box

"YANKEE"



Double Multiplying, Steel Pivots; Adjustable Click; Well Balanced Handle with Black Rubber Thumb Piece; All Parts Nickel Plated; Built Exceptionally Strong.

Per Dozen

No. 1207—Capacity, 200 yards. **$96.00**

Twelfth Dozen in a Box

FISHING REEL CASES

★DIAMOND BRAND

TRADE MARK REGISTERED ◆ IN THE U S PAT OFFICE

Per Dozen

No. RC4—Finest Quality Russet Sole Leather, Smooth Surface; Chamois-lined; Linen Stitched; ⅝ inch Leather Strap to Buckle; Leather Covered Buckle and Leather Loop Size, 2½x3x3¾ inch; Weight per Dozen, 2¼ lbs. **$33.00**

No. RC5—Good Grade Russet Leather, Smooth Surface; Unlined; Linen Stitched; ⅝ inch Leather Strap to Buckle; Nickel Plated Buckle; Size, 2½x3x3¾ inches; Weight per Dozen, 2¼ lbs. **24.00**

Loose

TRADE MARK REGISTERED IN THE U. S PAT OFFICE

FISHING LINES

*DIAMOND BRAND

TRADE MARK REGISTERED IN THE U. S PAT OFFICE.

TRADE MARK REGISTERED IN THE U. S. PATENT OFFICE

EXTREME PERFECTION IN BRAIDED SILK LINES

Hard Braided Silk

ONLY THE MOST CAREFULLY SELECTED SILK IS USED

Cut Shows 25 yard Spools

Cut Shows Air-tight, Screw Top Aluminum Box in Which All Ultra Lines are Put Up.

UC 15

UC 25

UC 75

ULTRA CASTING

Cut Shows 50 yard Spools

Three Strands Pure Twisted Silk Center, the Center Alone Possessing Strength Sufficient to Withstand Any Ordinary Strain in Fishing. **Absolutely Will Not Waterlog** on Account of the **New Style Hard Braid,** Thereby Outlasting Any Other Line. Perfectly Round and Free Running.

The Ultra Casting Lines are Put up on **Fancy Silver Gilt Spools,** Wrapped in Paraffin-coated Paper in Sealed **Air-tight Aluminum Screw Top Boxes.** The Superiority of These Lines, Together With the Aluminum Boxes, are Features Which Will be Readily Recognized by All Fishermen, as the Line is the Acme of Perfection and the Box May be Used for Many Purposes, Such as a Drinking Cup, Bait Box, Etc

Solid Colors: Pure White, Drab, Black, Light Pea Green, Pearl.

Mixed Colors: Black and White, Green and White, Dark Mixed, Light Mixed

	Per 1000 Yards
No. UC15—Light—Test, About 18 lbs.; for Bass Fishing and Tournament Casting; **25 yard Spools**	**$85 00**
No. UC25—Medium Test, About 30 lbs., for Bass Fishing and Tournament Casting **25 yard Spools**	**90 00**
No. UC50—Medium Test, About 30 lbs., for Bass Fishing and Tournament Casting, **50 yard Spools**	**90 00**
No. UC75—Heavy—Test, About 40 lbs.; for Muscallonge and All Heavy Fishing; **50 yard Spools**	**100.00**

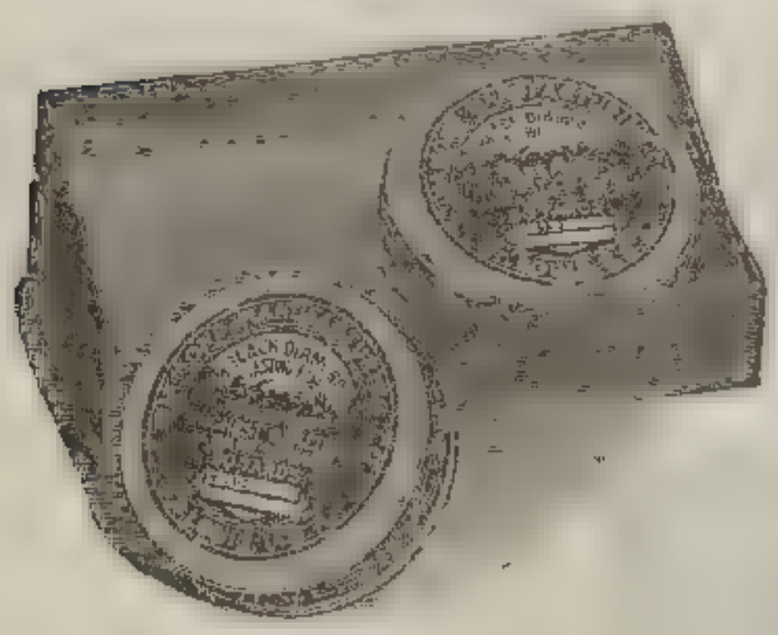
Nos. UC15 and UC25, 25 yards on a Spool, Four Connected; 100 Yards in an Aluminum Box
Nos. UC50 and UC75, 50 yards on a Spool, Two Connected; 100 yards in an Aluminum Box
1000 yards in a Cardboard Box; Weight per 1000 yards, 3 lbs.

*BLACK DIAMOND

Waterproof

Hard Braided Silk

Made from Highest Quality **Japanese Silk**



This is An Excellent Line for Heavy Casting and Will Give Excellent Service; It is Extremely Pliable and is Braided Extra Hard; Water Proof Treated with Two Processes to Give an Elastic Waterproof Core and a Hard Finished Waterproof Cover. Put Up on White Enameled Wood Spools. **Color,** Solid Black.

Nos.	**BD3**	**BD4**	**BD5**	**BD6**
Tests, lbs.	32	25	19	14
Per 1000 yards.	**$73 00**	**60 00**	55 00	**50 00**

50 yards on a Spool Two Connected 100 yards in a Box
Weight per 1000 yards, 2½ lbs.

*MINNEPIP CASTING

MCG

MCF

MCE

MM

Long Strand Pure Japanese Silk; Braided with Three Strands of Pure Silk in Center; Flexible and Strong.

Solid Colors: Pure White, Drab, Black

Mixed Colors: Black and White, Green and White

	Per 1000 Yards
No. MCG—Test, 14 lbs.	**$45 00**
No. MCF—Test, 18 lbs.	**50 00**
No. MCE—Test, 25 lbs.	**60 00**

25 yards on a Spool, Four Connected, 100 yards in a Box
Weight per 1000 yards, 4½ lbs.

Shapleigh National Series No. 1057. Above plate used in our National Advertising Campaign.

"DIAMOND EDGE"
TOOL CABINETS
THE WONDER OF ALL NATIONS
Equipped with the highest grade Tools.
Suitable for the skilled mechanic, for the home, or for the boy learning the use of Tools
A variety of sets to meet all demands.
For over 50 years DIAMOND EDGE has stood for quality-this with the improvements and new ideas originated by us have made DIAMOND EDGE Tools the standard of America.
SEND US A SAMPLE ORDER
SHAPLEIGH HARDWARE CO.
INTERNATIONAL DISTRIBUTORS
ESTABLISHED 1843
ST. LOUIS, U. S. A
"DIAMOND EDGE IS A QUALITY PLEDGE"

Shapleigh National Series No. 1078. Above plate used in our National Advertising Campaign.

ENAMELED WARE

Strictly High Quality

MADE IN THE UNITED STATES

SAGE WARE

EXCELLENT GRAY WARE AT A MODERATE PRICE.

JERSEY LILY WARE

WHITE INSIDE AND OUT WITH BLUE BEAD AND TRIMMINGS; HEAVY STEEL BASE. HIGHEST PERFECTION IN SHAPE AND QUALITY.

JERSEY ROASTER

ENAMELED INSIDE AND OUTSIDE WITH TWO COATS DARK BLUE ENAMEL, SPRAYED WITH WHITE.

SNOW BALL WARE

PURE WHITE INSIDE AND OUTSIDE; BLUE BEAD AND TRIMMING

BLUEBELLE WARE

WHITE INSIDE AND MOTTLED BLUE OUTSIDE. HEAVY STEEL BASE

Send Us A Sample Order—No Risk

SHAPLEIGH HARDWARE CO.

INTERNATIONAL DISTRIBUTORS

ESTABLISHED 1843

ST. LOUIS, U. S. A.

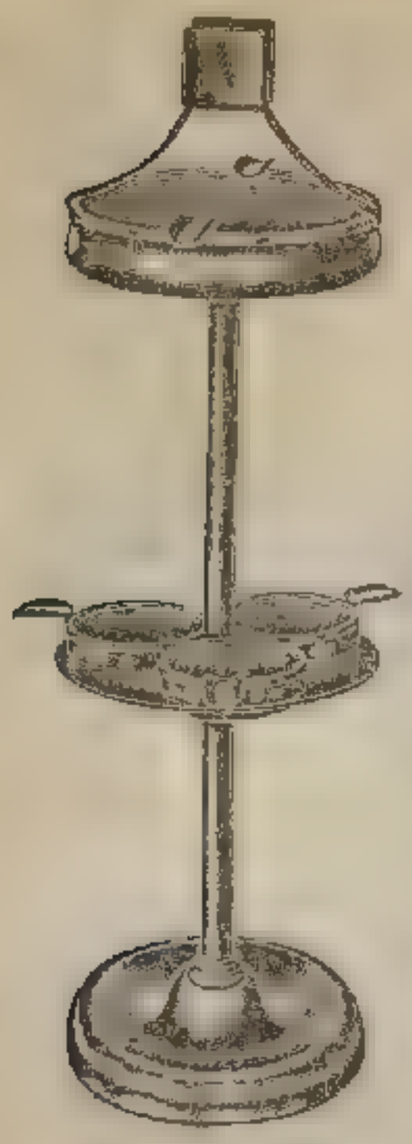
TRADE MARK REGISTERED IN THE U. S. PATENT OFFICE

TRADE MARK REGISTERED IN THE U. S. PATENT OFFICE

"Diamond Edge is a Quality Pledge"

Shapleigh National Series No. 1056. Above plate used in our National Advertising Campaign.

SMOKING STANDS



FLOOR

Metal Smokers' Stand; Circular Metal Ash Tray Mounted with Two Cigar Rests and Matchbox Holder; Glass Inlay; Enameled Effect in Assorted Colors; Set on Stand with Solid Circular Metal Base; Metal Disc on Center of Post Fitted with Three Ash Trays, Each Mounted with Cigar Rest; Glass Inlay; Enameled Effect in Assorted Colors; Bronze Finish with Polished Brass Trimming and Well Lacquered. Packed Knocked Down in Strong Box; Can Easily be Assembled.

Each

No. 875—Height, 30 inches; Base, 6 inches Diameter; Weight Each, 7¼ lbs . . . **$19 00**

One in a Box

FLOOR

Entire Stand Made of Solid Brass; Heavily Nickel Plated; Very Highly Polished; Base of Stand Weighted to Prevent Tipping.

Top Plate Nickel Plated; Individual Pieces; Colored Glass Insets with High Grade Baked on Enamel, Can be Had in **Yellow, Blue, Red** and **Green.**

Stand Complete with Cigar Holder, Cigarette Holder and **One** Individual Ash Tray.

Each

No. 33FS—Height, 32 inches; Diameter of Top Plate, 8 inches; Weight Complete, 6 lbs. **$15.00**

One in a Box

FLOOR

Entire Stand Made of Solid Brass; Heavily Nickel Plated, Highly Polished; Base of Stand Weighted.

Glass Inset in Top of Stand Enameled and Baked on; Will Not Chip.

Stationery Match Holder on Top of Stand; Furnished in Assorted Colors, **Red, Blue, Green** and **Yellow.**

Each

No. 32FS—Height, 32 inches; Diameter of Top, 6½ inches; Weight Each, 8 lbs. **$11.00**

One in a Box

SMOKING STANDS

FLOOR

Consisting of Circular Ash Tray, 6 inches in Diameter; Glass Inset, Two Cigar Rests and Match Box Holder. Can Be Extended to 34 inches Simply by Raising the Ash Tray Which Works on a Coil Spring Imbedded in the Tube; Height Closed, 22 inches; Width at Base, 8 inches; Verde Antique Finish.

Each

No. 100—Weight Each, 4 lbs. **$8 50**

One in a Box

FLOOR

Brush Brass Finish

Removable Glass Ash Receiver; Match Box Holder; Two Cigar Rests; Height 33 inches; Diameter at Top, 7 inches; Diameter at Base, 7½ inches.

Each

No. 107B—Weight Each, 5 lbs. **$8 50**

One in a Box

FLOOR

Grecian Gold Finish Base and Bowl; Polished Brass Stem; Consists of One 6 inch Glass Inset Ash Tray and Two Cigar Rests; Height, 35 inches; Width at Base, 7½ inches.

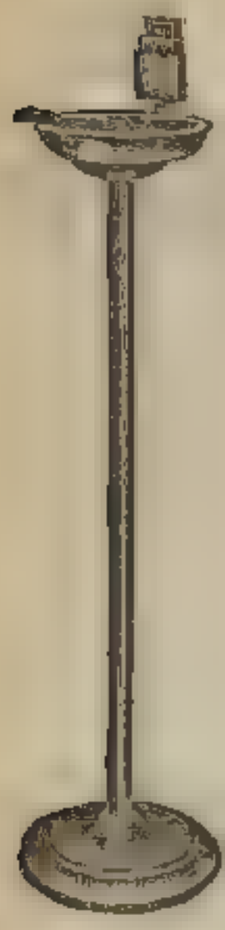
Each

No. 62—Weight Each, 4 lbs. **$6.70**

One in a Box

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE

SMOKING STANDS



FLOOR

Entire Stand Made of Solid Brass; Heavily Nickel Plated; Highly Polished; Base of Stand Weighted to Prevent Tipping.

Match Holder and two Cigar Rests on Top. Assorted Color Inserts, **Red, Blue, Green** and **Yellow.**

Each

No. 39FS—Height, 32 inches, Diameter at Top, 6 inches; Weight Each, 6 lbs..... **$7.20**

One in a Box

FLOOR

Brushed Brass Finish Ash Receiver, Match Box Holder and Two Cigar Rests; Height 33 inches; Diameter at Top, 7 inches; Diameter at Base, 7 inches.

Each

No. 26T—Weight Each, 4 lbs..... **$5.00**

One in a Box

SMOKING SETS

Set Made of Solid Brass, Heavily Nickel Plated; Highly Polished; Furnished in Assorted Colors, **Green, Blue, Red** and **Yellow.**

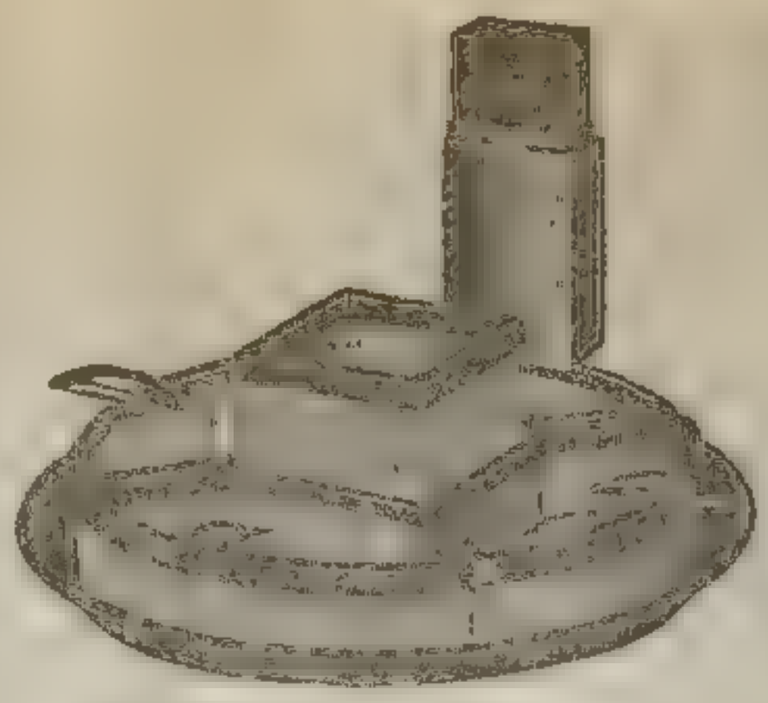
Set Complete with Tray, Cigar Holder, Cigarette Holder and Combination Match Holder and Ash Tray.

Each

No. 27SS—Diameter of Tray, 9½ inches; Height Over All, 7 inches; Weight Each, 8 lbs.. .....**$18.00**

One in a Box

SMOKING SETS

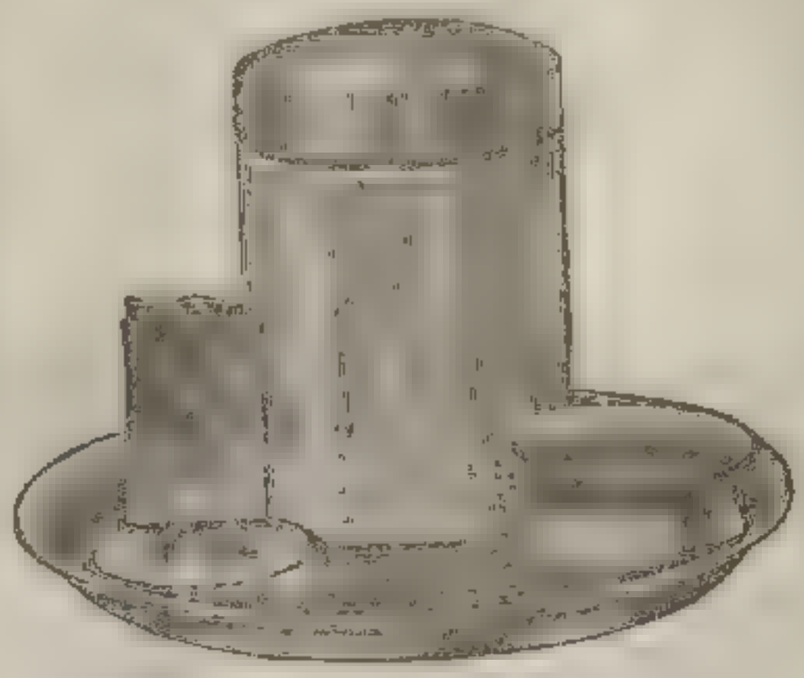


Consisting of Four Separate Cobalt Blue Glass Ash Receivers; Cigar Holder; Mounted with Neat Metal Rims; One with Match Holder and the Other Three with Cigar Rests; Set in Circular Metal Tray with Corrugated Bottom; Match Holders, 4½x2⅛x3⅞ inches High; Ash Receivers, 2⅛x4½x1⅛ inches High; Cigar Holder 2⅛x2⅛x2½ inches High; Tray, 7½ inches in Diameter; Metal Parts Heavily Nickel Plated and Highly Polished.

Per Set

No. 655—Weight per Set, 2½ lbs **$13.20**

One Set in a Box

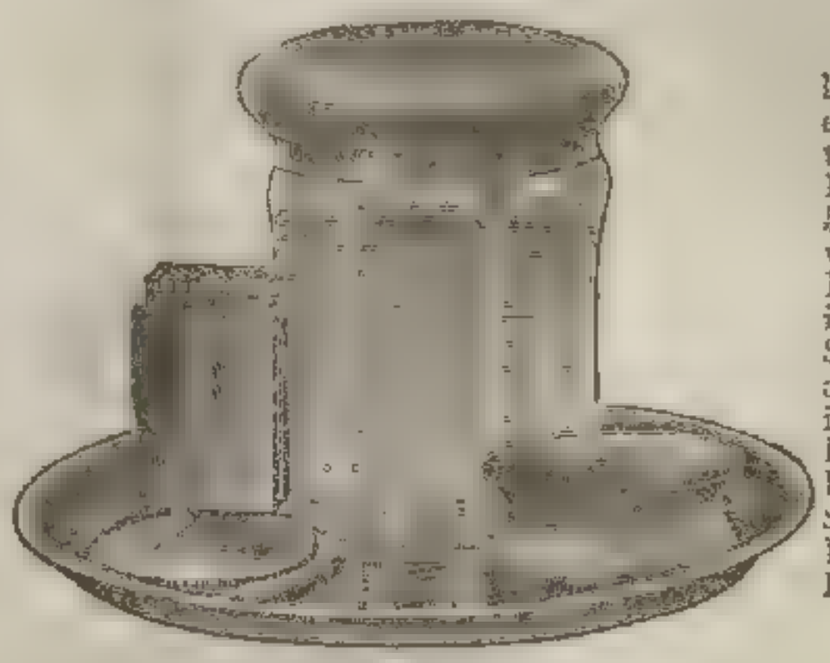


Consisting of Circular Metal Tray 9 inches in Diameter; Crystal Glass, Cut Glass Effect Jar, 4x5¾ inches, Mounted with Metal Cover, Clamp in Cover to Hold Sponge; Circular Metal Ash Cup 2⅞x1⅛ inches High; Match Holder 2⅞x3 inches High, Will Hold Any Style Match. Gun Metal Finish Decorated with Artistic Green Border, with Dainty Four Leaf Clover in Gold; Well Lacquered.

Per Set

No. 498—Weight per Set 2¾ lbs **$10.00**

One Set in a Box

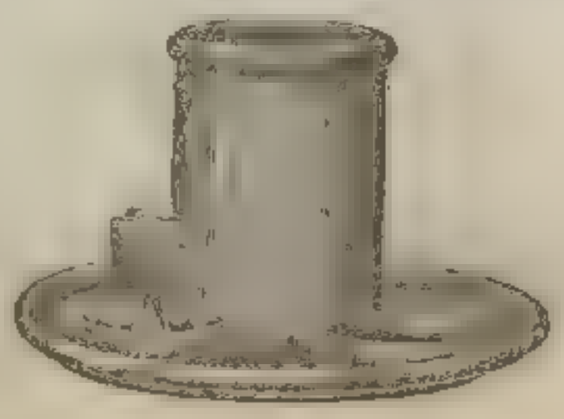


Consisting of Circular Metal Tray 9 inches in Diameter; Crystal Glass, Cut Glass Effect Cigar Jar, 4x5¾ inches, Mounted with Severely Plain Metal Cover, Clamp in Cover to Hold Sponge; Circular Metal Ash Cup 2⅞x1⅜ inches High; Match Holder 2⅞x3 inches High, Will Hold Any Style Match. Heavily Nickel Plated and Highly Polished.

Per Set

No. 991—Weight per Set, 3 lbs..... **$9.00**

One Set in a Box



Set Contains One Glass Tobacco Jar with Bronze Cover, Height 6 inches; Diameter 4½ inches; Match Box Holder, Ash Receiver and Circular Tray 9¾ inches in Diameter.

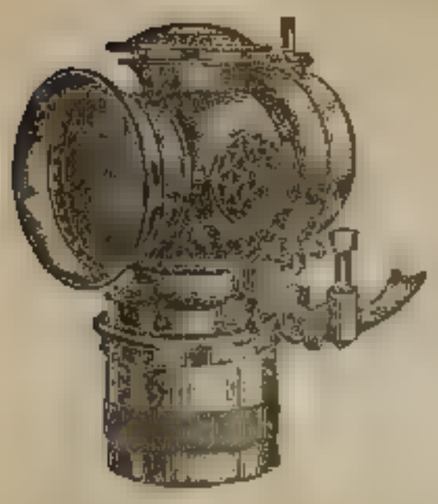
Per Set

No. 30B—Weight per Set, 3½ lbs..... **$8.00**

One Set in a Box

BICYCLE GAS LAMPS

SOLAR MODELS



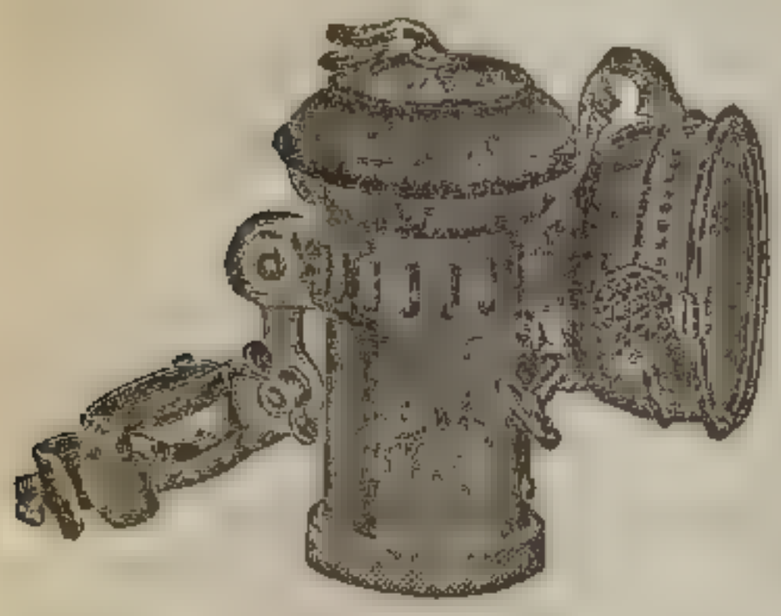
Shipp Bracket

Handsome in Design and Finish; Mechanically Perfect and Thoroughly Well Made from Heavy Gauge Sheet Brass, Nickel Plated and Polished; Height, 7 inches; Double Convex, 2¾ inch Lens; 1½ inch Red and Green Jewel Side Lights; Carbide Pot with Capacity of 3 ounces of Carbide and ¼ pint of Water; Sufficient to Burn 6 Hours.

Each

No. 10SG—With Shipp Bracket; Weight Each, 2½ lbs..... **$6.50**
One in a Box

AUTOMATIC

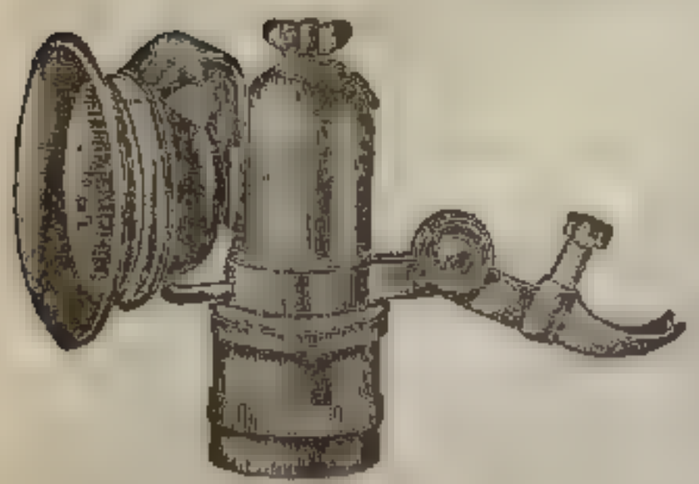


Nickel Plated Over Brass; Powerful Double Convex Lens, Improved Fish Tail Type; Removable Burner; Gas Valve for Regulating Flame or Turning Out Entirely; Patent Water Distributor Allows Carbide Charge to be Used Repeatedly Until Exhausted, Self-Cleaning Water Valve, Parabolic Reflector; Combination and Head Bracket.

Each

No. 30CG—With Bracket; Height Over All, 6½ inches; Diameter of Face, 3¾ inches; 2½ inch Lens; Weight Each, 2 lbs..... **$5 80**
One in a Box

LIBERTY



Nickel Plated Brass; Heavy Convex Lens; Powerful Reflector, and Projects a Very Bright Light; Brass Needle Valve for Regulating Water Flow; has Standard Bayonet Lock Carbide Pot Retaining Device

Each

No. 20L—With Shipp Bracket; Height Over All, 6 inches; Weight Each, 2¼ lbs..... **$4.60**
One in a Box

BICYCLE OIL LAMPS

Light Weight

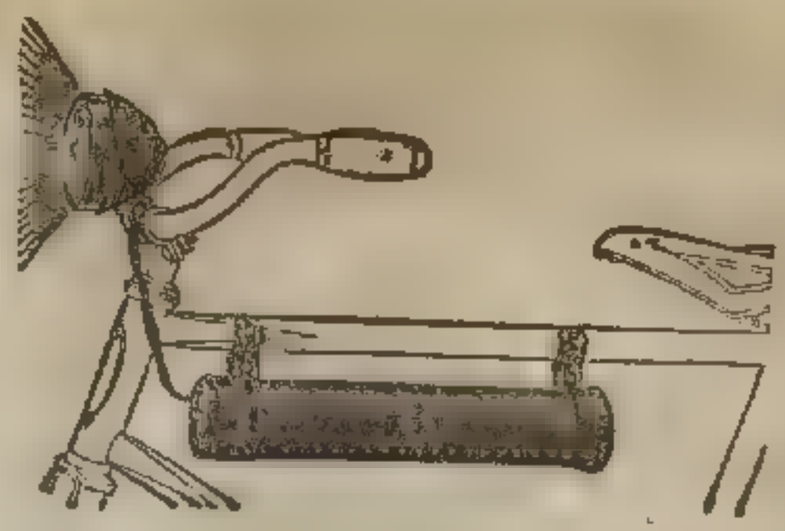
Light Weight Lamps Are Made of Sheet Steel; Heavily Nickeled and Polished; Height 5½ inches; 2½ inch Convex Lens; Red and Green Side Jewels; Burns About 10 Hours.

Each

No. 50LO—Weight Each, ⅜ lb. **$2.50**
One in a Carton

BICYCLE LIGHTING OUTFITS

DELTA



TWO-CELL

This Light is of a Graceful Size and Shape; Contains a Special Polished Reflector, Designed to Throw a Powerful Searchlight.

Contains a Special Delta Bulb Carefully Tested Before Being Shipped.

Has a Special Headlight Clamp Designed to Hold the Light Steady.

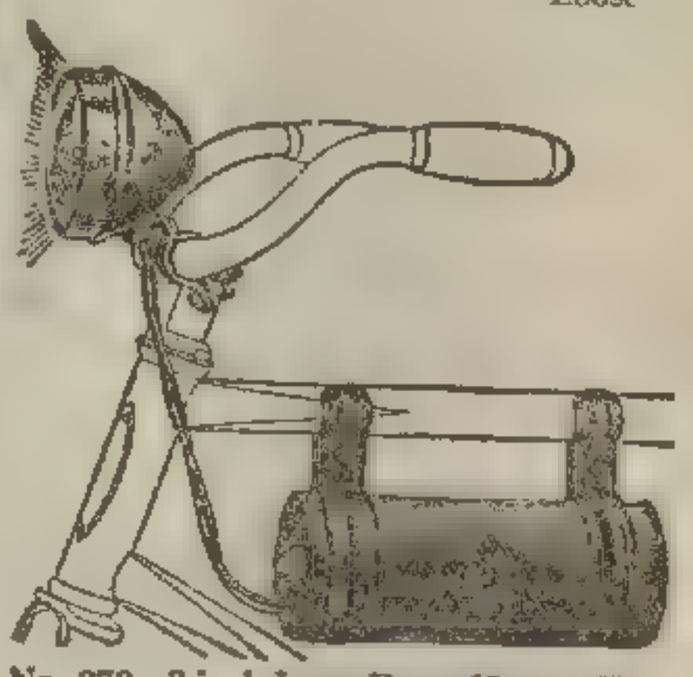
An Ordinary Wire Connection Eliminating the Troublesome Edi-swan Screw Connection; Special Switch has Been Placed on Battery Case to Eliminate All Mechanism on the Lamp Proper; Case Holds Two Batteries.

Per Dozen

No. 280—Lens About 3 inches in Diameter; Extra Heavy; Weight per Dozen, 21 lbs..... **$54 00**
One in a Carton

Each

No. 280B—Extra Bulbs for Bicycle Lamp, No. 280..... **$0.30**
Loose



ONE CELL

Same as No. 280 Except Has a One Cell Battery Case.

Per Dozen

No. 270—3 inch Lens, Extra Heavy; Weight per Dozen, 21 lbs.... **$48.00**
One in a Carton

Each

No. 270B—Extra Bulbs for Bicycle Lamp, No. 270..... **$0.30**
Loose

REAR REFLECTOR

A Bull's Eye of Diamond-Cut Ruby Glass; Reflects the Light of Any Overtaking Vehicle; as Powerful as Any Ordinary Electric Tail Lamp.

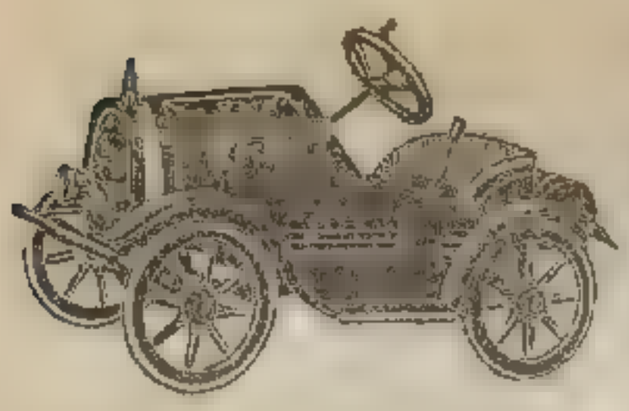
Per Dozen

No. 24—Weight per Dozen, 1½ lbs..... **$6 00**
One Dozen in a Box

KEEP YOUR STOCK COMPLETE BY ORDERING BY MAIL. THE SHAPLEIGH MAIL ORDER DEPARTMENT IS AS PERFECT IN ITS WORKING AS ANY EVER DEVISED. BUY OFTEN, TO THE END THAT YOUR INVESTMENT MAY COVER THE WIDEST POSSIBLE RANGE OF LINES. THE MOST EFFICIENT AND ECONOMICAL WAY TO DO THIS IS TO ORDER FREQUENTLY FROM THIS BOOK BY MAIL.

JUVENILE AUTOMOBILES

Prices Do Not Include Lamps, Except Where So Stated



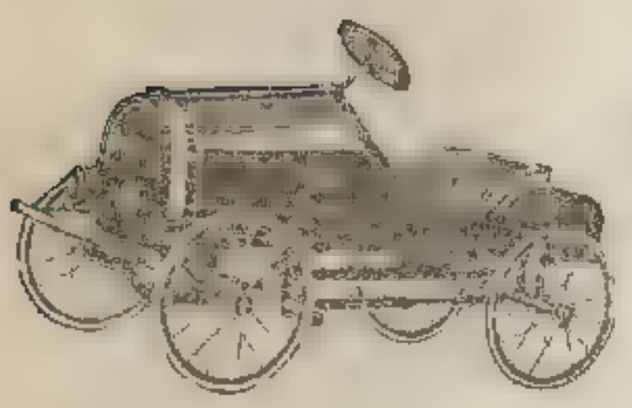
MOGUL

Body—13x39 inches; Finished in Red Enamel, with Black Panel on Hood.

Wheels—12x5/8 inch Rubber Tired, Roller Bearing, Wood Wheels, Red Enameled with Yellow Striping.

Fenders—Crown, Black Enameled with Golden Stripes

No. 538—Complete with Lamps; Weight, 75 lbs.....**$29 70**
One in a Crate



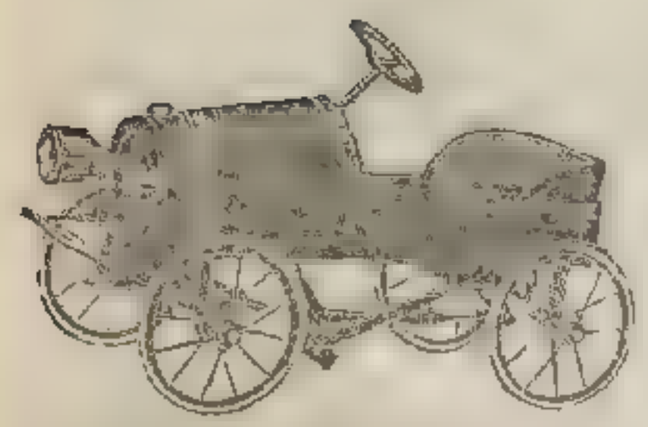
HORNET

Body—13x30½ inches; Finished in Red with Wide Yellow Panels, Striped in Yellow.

Wheels—12x1½ inches, Rubber Tired Wheels, Red Enameled.

Gear—Knuckle Joint; Gas and Spark Control.

No. 524—Complete with Lamps; Weight, 50 lbs.....**$18.10**
One in a Crate



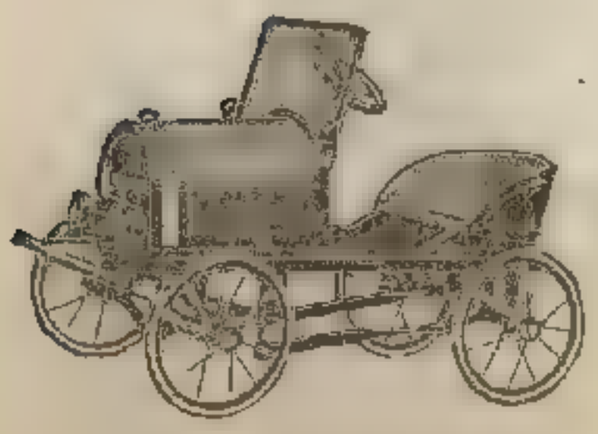
NATIONAL

Body—13x41 inches; Finished in Yellow with Red Striping.

Wheels—12x1½ inches, Rubber Tired, Red Enameled.

Gear—Knuckle Joint; Gas and Spark Control

No. 523—Complete with Lamps; Weight, 70 lbs.....**$22.00**
One in a Crate



COURIER

Body—12x30 inches; Light Blue with Orange Striping.

Windshield—Nickel Plated, Form Fitting.

Bumper.

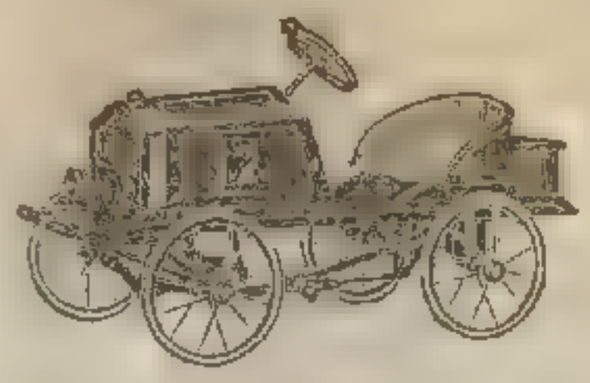
Gear—Knuckle Joint; Spark and Gas Control

Wheels—10x3½ inch, Rubber Tired, Red Enameled, Nickel Plated Hub Caps.

Each
No. 32—Without Lamps or Horn; Weight, 38 lbs.....**$16.50**
One in a Crate

JUVENILE AUTOMOBILES

Prices Do Not Include Lamps



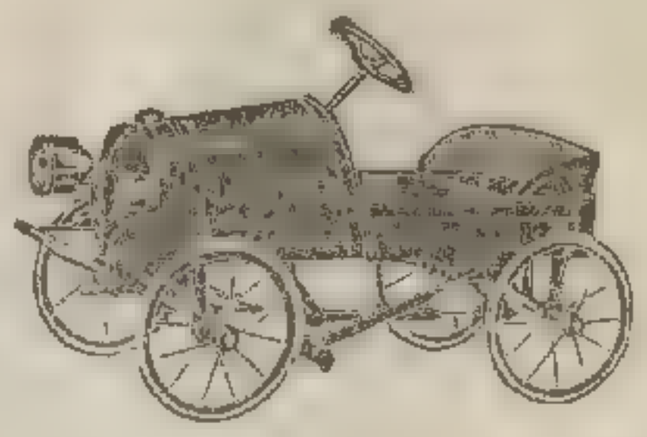
RELIANCE

Body—12x36 inches; Finished in Rich Orange with Green Striping.

Wheels—10x3/8 inch Rubber Tired, Red Enameled.

Gear—Knuckle Joint.

Each
No. 28—Without Lamps, Weight, 39 lbs.....**$14 50**
One in a Crate



STUTZ

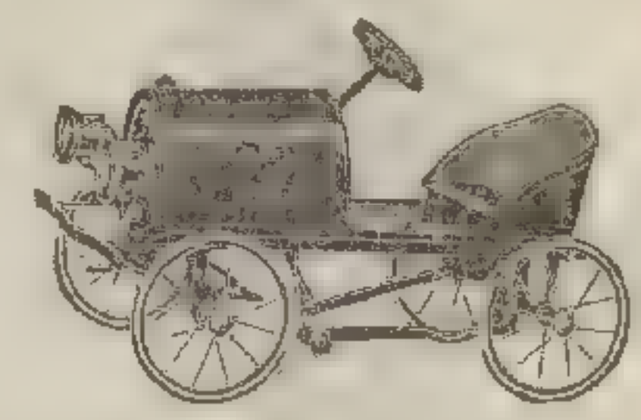
Body—12x30 inches; Beautiful Green with Yellow Striping; Radiator Front Yellow.

Bumper.

Gear—Knuckle Joint; Gas and Spark Control.

Wheels—10x3/8 inches; Rubber Tired; Red Enameled; Nickel Plated Hub Caps.

Each
No. 20—Without Lamps or Horn; Weight, 35 lbs.....**$12.00**
One in a Crate



ACE

Body—12x30 inches; Bright Red Striped with Yellow.

Gear—Knuckle Joint; Gas and Spark Control.

Wheels—10x3/8 inch Rubber Tired; Red Enameled; Nickel Plated Hub Caps; Steering Wheel, Black Enameled.

Each
No. 25—Without Lamps or Horn; Weight, 30 lbs.....**$11.50**
One in a Crate

JUVENILE AUTOMOBILE HORNS

HAND ACTUATED

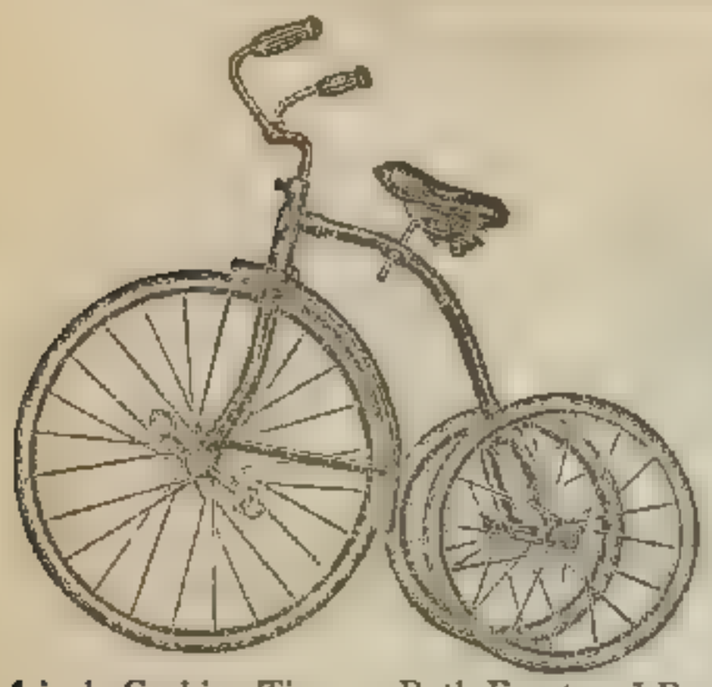
A Miniature Automobile Horn of Latest Design; Every Part Interchangeable; Emits a Loud Sound at the Slightest Touch of the Plunger.

Each
No. B—Size 3x3 inches; Finish All Black Enamel; Weight, 1 lb ...**$1 80**
One in a Box

Bell 2½ inches in Diameter; Nickel Plated, Over Spun Brass; Metal Reed; Length Over All, 7¾ inches; Diameter of Bulb 1⅜ inches.

Each
No. 3BH—Weight Each, 5 ozs.....**$1.10**
Twelve in a Box

VELOCIPEDES



★RUGBY

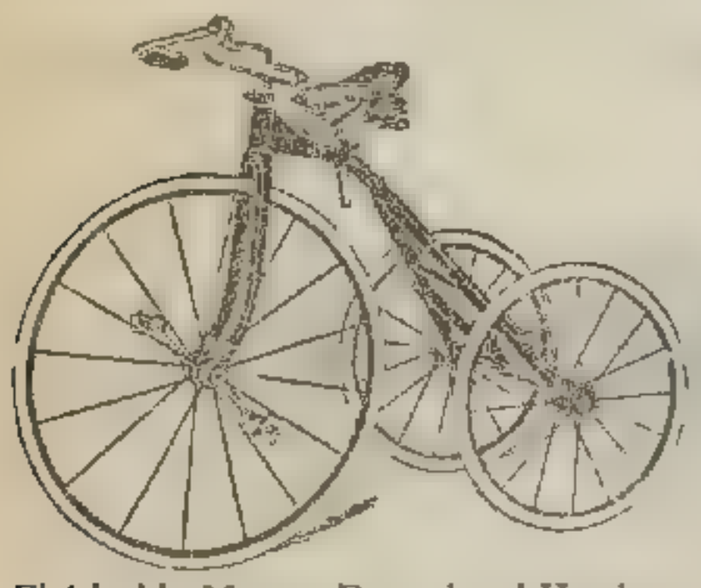
TRADE MARK REGISTERED — IN THE U. S. PAT OFFICE

Tubular Frame

All Joints Hand-Braced; Arched Fork Crown; Ball Bearing Wheels, with Bicycle Spokes and Nipples, Pedals are of Rat Trap Type, Ball Bearing, Nickel Plated; Padded Bicycle Saddle; Double Coil, Nickel Plated Springs, Handle Bar with Forward Extension; Adjustable, Full Nickel Plated, with Rubber Motor Bike Grips; Cranks Nickel Plated, Drop Forged; 1 inch Cushion Tires on Both Front and Rear Wheels. Frame, Fork and Rims are Finished in a Royal Blue with Gold Striping.

(COMPLETE WITH FRONT MUD GUARD)

	Each
No. 71—16 inch Front Wheel, 10 inch Rear Wheels, Weight Each, Crated, 25 lbs.	**$21 60**
No. 72—20 inch Front Wheel; 14 inch Rear Wheels; Weight Each, Crated, 30 lbs.	**27 00**
No. 73—24 inch Front Wheel; 16 inch Rear Wheels; Weight Each, Crated, 35 lbs.	**32 00**
If Wanted with Coaster Brake, Add	**6 60**



★NORLEIGH DIAMOND

TRADE MARK — IN THE U. S. PAT OFFICE

Ball Bearing

This Velocipede is Made Up in Bicycle Style; Full Ball Bearing Bicycle Crank; Rat Trap Pedals; Brown Pattern Bicycle Saddle; Detachable Adjustable Nickel Plated Handle Bar; Wheels Maroon Enameled; Large Nickel Plated Hub Caps, Fitted with ¾ inch Front and ¾ inch Rear Rubber Tires.

Finished in Maroon Enamel and Handsomely Gold Striped.

	Each
No. 20—14 inch Front Wheel, 10 inch Rear Wheels; Weight Each, Crated, 23 lbs.	**$16 40**
No. 21—16 inch Front Wheel; 12 inch Rear Wheels, Weight Each, Crated, 25 lbs.	**17 00**
No. 22—20 inch Front Wheel, 14 inch Rear Wheels; Weight Each, Crated, 30 lbs.	**18.50**
No. 23—24 inch Front Wheel; 16 inch Rear Wheels; Weight Each, Crated, 34 lbs.	**20 50**

Two in a Crate

★DIAMOND SPECIAL

This Velocipede is High Class in Every Respect; Made Throughout of the Best Materials; Has Large New Idea Barrel Hubs; Rear Wheels Fitted with Brass Plated Hub Caps; Velocipede Rat Trap Pedals; Bicycle Saddle and Detachable Adjustable Nickel Plated Handle Bar; Wheels Baked Enamel to Match Frame.

Fitted with ⅝ inch Front and ⅝ inch Rear Rubber Tires.

Finished in Green Enamel and Handsomely Gold Striped.

	Each
No. 111—16 inch Front Wheel; 12 inch Rear Wheels; Weight Each, Crated, 33 lbs.	**$11 70**
No. 112—20 inch Front Wheel; 14 inch Rear Wheels; Weight Each, Crated, 38 lbs.	**13 10**
No. 113—24 inch Front Wheel; 16 inch Rear Wheels, Weight Each, Crated, 40 lbs.	**14.50**

Three in a Crate

VELOCIPEDES

★DIAMOND

Full Leather Seat, Well Shaped and Adjustable; Reinforced One Piece Front Fork with Patent Ring Fasteners; Rigid Steel Frame; Black Enameled; Extra Heavy Baked Enameled Wheels, with Extra Large Outer Bearing Steel Hub; Stationary Handle Bar; Spring Seat.

With Rubber Tires

No.	400½
Wheels, inches	12 and 8
Size of Tire, inches	⅛–⅜
Leg Measure, inches	11
Weight Each, lbs.	14
Weight Crated, lbs.	40
Each	**$4.80**

Three in a Crate

★MOUND CITY

TRADE MARK

Rigid Steel Frame, Black Enameled; Wheels are Heavily Enameled, With Steel Tires; Stationary Handle Bars

With Steel Tires

Nos.	4190	4200	4210
Wheels, inches	14 and 9	16 and 12	20 and 14
Leg Measure, inches	19	20	22
Weight Each, lbs.	17	18	22
Weight Crated, lbs.	50	55	65
Each	**$4.20**	**4.50**	**5.40**

Three in a Crate

With Rubber Tires

Nos.	4190½	4200½	4210½
Wheels, in.	14 and 9	16 and 12	20 and 14
Size of Tire, in.	½–⅜	½–⅜	½–⅜
Leg Measure, in.	19	20	22
Weight Each, lbs.	17	18	22
Weight Crate, lbs.	50	55	65
Each	**$5.40**	**5.80**	**6.50**

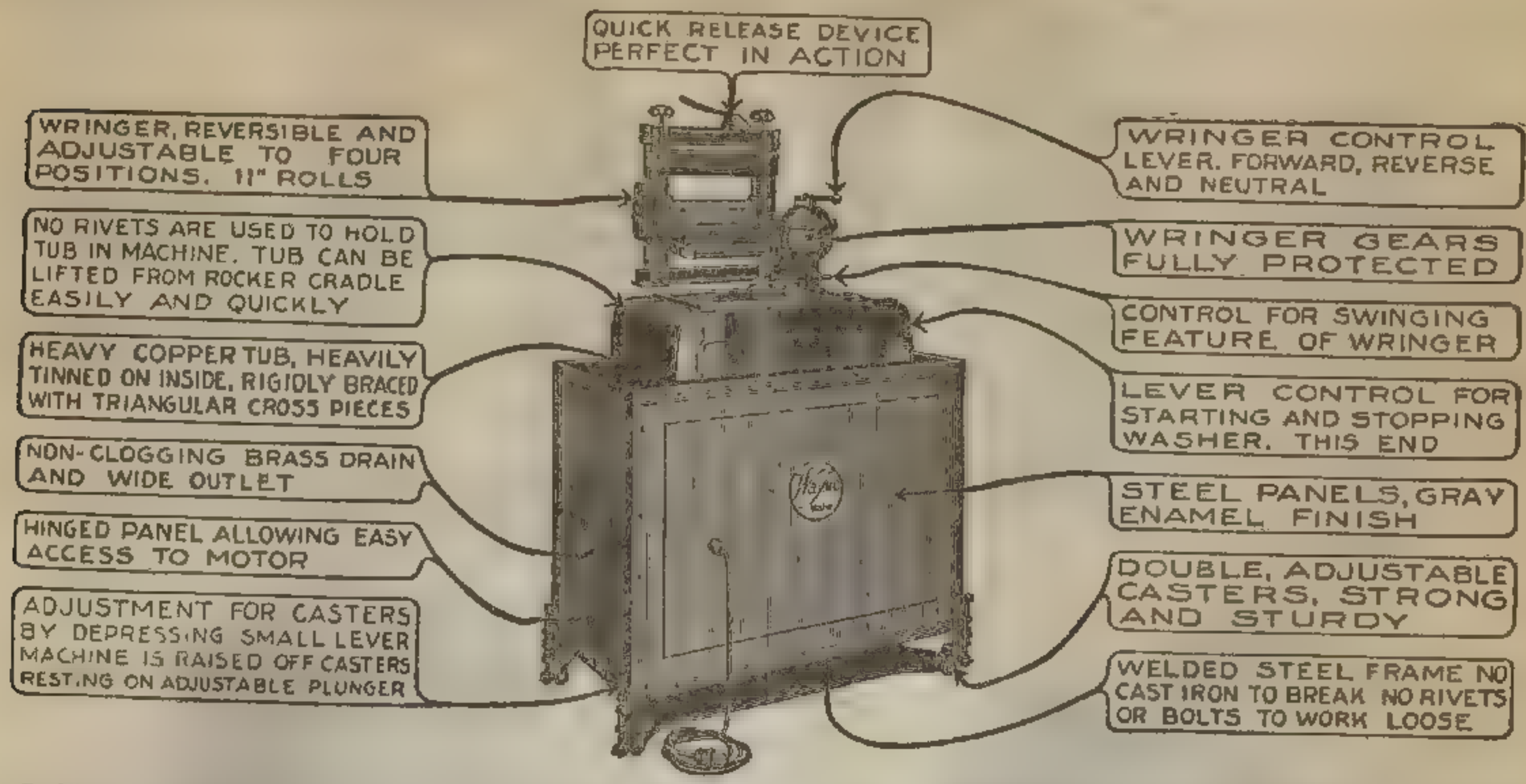
Three in a Crate

ELECTRIC WASHING MACHINES

WAYNE

ELECTRIC

The Principal of the Wayne is the Same as the Time Honored Method of Washing Delicate Fabrics in a Mason Jar; Just Tossing the Most Delicate Lingerie, the Most Commonplace Household Linens or the Rag Rug Gently Back and Forth. The Rocking Motion is Obtained by Means of Curved Steel Rockers on Which the Removable Copper Tub Rests.


QUICK RELEASE DEVICE PERFECT IN ACTION
WRINGER, REVERSIBLE AND ADJUSTABLE TO FOUR POSITIONS. 11" ROLLS
WRINGER CONTROL LEVER. FORWARD, REVERSE AND NEUTRAL
NO RIVETS ARE USED TO HOLD TUB IN MACHINE. TUB CAN BE LIFTED FROM ROCKER CRADLE EASILY AND QUICKLY
WRINGER GEARS FULLY PROTECTED
CONTROL FOR SWINGING FEATURE OF WRINGER
HEAVY COPPER TUB, HEAVILY TINNED ON INSIDE, RIGIDLY BRACED WITH TRIANGULAR CROSS PIECES
LEVER CONTROL FOR STARTING AND STOPPING WASHER. THIS END
NON-CLOGGING BRASS DRAIN AND WIDE OUTLET
STEEL PANELS, GRAY ENAMEL FINISH
HINGED PANEL ALLOWING EASY ACCESS TO MOTOR
DOUBLE, ADJUSTABLE CASTERS, STRONG AND STURDY
ADJUSTMENT FOR CASTERS BY DEPRESSING SMALL LEVER MACHINE IS RAISED OFF CASTERS RESTING ON ADJUSTABLE PLUNGER
WELDED STEEL FRAME NO CAST IRON TO BREAK NO RIVETS OR BOLTS TO WORK LOOSE

By Virtue of the Removable Tub the Wayne is Rendered Absolutely Sanitary and can be Kept Sweet and Clean at all Times. This Tub can, Without the Slightest Trouble, be Lifted from its Cradle, Thus Making it Possible to Keep the Inside of the Machine Free From Dirt and Filth. This also Gives Access to all Mechanical Parts of the Machine, thus Enabling Any Slight Adjustment Which Might be Necessary to be Made. The Tub is Constructed from Selected Copper, Tinned on the Inside and is Absolutely Free from Bolts or Rivets.

The Frame is Welded at Every Joint, thus Making One Solid Piece of Steel Free from Bolts and Rivets, and Impervious to Rust or Wear. The Rocker Cradle is Built the Same Way. The Side Panels are of Steel, Lacquered with Several Coats of Baked On Enamel and Securely Bolted to the Frame thus Enclosing all Moving Parts, Including the Motor.

All Double-Type Castors are Used and Foot Levers are Conveniently Located at Each Corner. When These are Depressed Plungers are Forced Down Lifting the Wayne Just High Enough to Swing the Castors Free from the Floor, Thus Making the Machine Absolutely Stationary.

The Wringer is Absolutely Up-to-Date in Every Respect. It is Reversible, has the Most Modern Quick Release Device, and is Adjustable to Three Positions; Therefore, it can be Used for Wringing Out One Batch of Cloths While the Other is Being Washed. It is Controlled by a Small Hand Lever and can be Operated Simultaneously with the Machine or Separately.

The Wayne is Equipped Throughout with Oilless Bearings, with the Exception of the Motor. This Overcomes the Great Difficulty of Making Women Understand the Necessity of Constant Lubrication, and also Eliminates any Possible Chance of Getting Oil on the Clothes.

The Motor is a One-Quarter Horsepower, and is of the Best Make Obtainable. Though Slightly Larger than Necessary, the Surplus Power Takes Care of Any Possible Chance of Overloads.

An Auxiliary Steel Drain Board Hooks to the Ridge of the Wringer Support on Either Side of the Wood Uprights of the Wringer, Completely Overcoming the Difficulty of Obtaining Perfect Drainage from the Wringer to the Tub.

A Large and Readily Accessable Drain Cock of Solid Brass and Noncloggable, Carries the Water to a Large Pan. This in Turn Drains Through a Wide Spout which is Sufficiently High to Clear a Three Gallon Bucket. Should the Operator so Desire, a Hose can be Led Through the Drain Spout and Attached to the Drain Cock. By this Arrangement the Tub can be Emptied into Any Near-by Drain.

All Casting are Made from Highest Quality Grey Iron.

The Delicate Color Scheme Worked Out in Baked On Grey Enamel, Instinctively Carries the Suggestion of Refinement, Cleanliness and Durability. The Shining Copper Tub, Visible Above the Graceful Outlines of Frame Work Suggest Maximum Efficiency in a Minimum of Space, and the Concealment of all Working Parts Emphasizes Extreme Simplicity.

SPECIFICATIONS

Dimensions of Frame, 36x18x25¾ inches, Over All Dimensions, 38½x24½x56 inches, From Floor to Top of Frame, 30 inches; From Floor to Bottom of Frame, 4¼ inches.

Dimensions of Top, 26x14½x14½ inches; Opening in Tub, 17 inches Long, 11¾ inches Wide, Capacity of Tub, 6 Full Sized Sheets or 12 Shirts; Size of Wringer Rolls, 1¾x11 inches.

Machine is Furnished with 110 A. C., 60 Cycle, Motor on 110 and 32 Volt Direct Current Motor. You Must Specify the Kind or Voltage of Motor Wanted; Odd Cycle Motors and Higher Voltage can be Furnished on Special Quotation.

	Each
No. WE—Weight, Crated, 341 lbs. One in a Crate	**$144.00**

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE

WASHING MACHINES

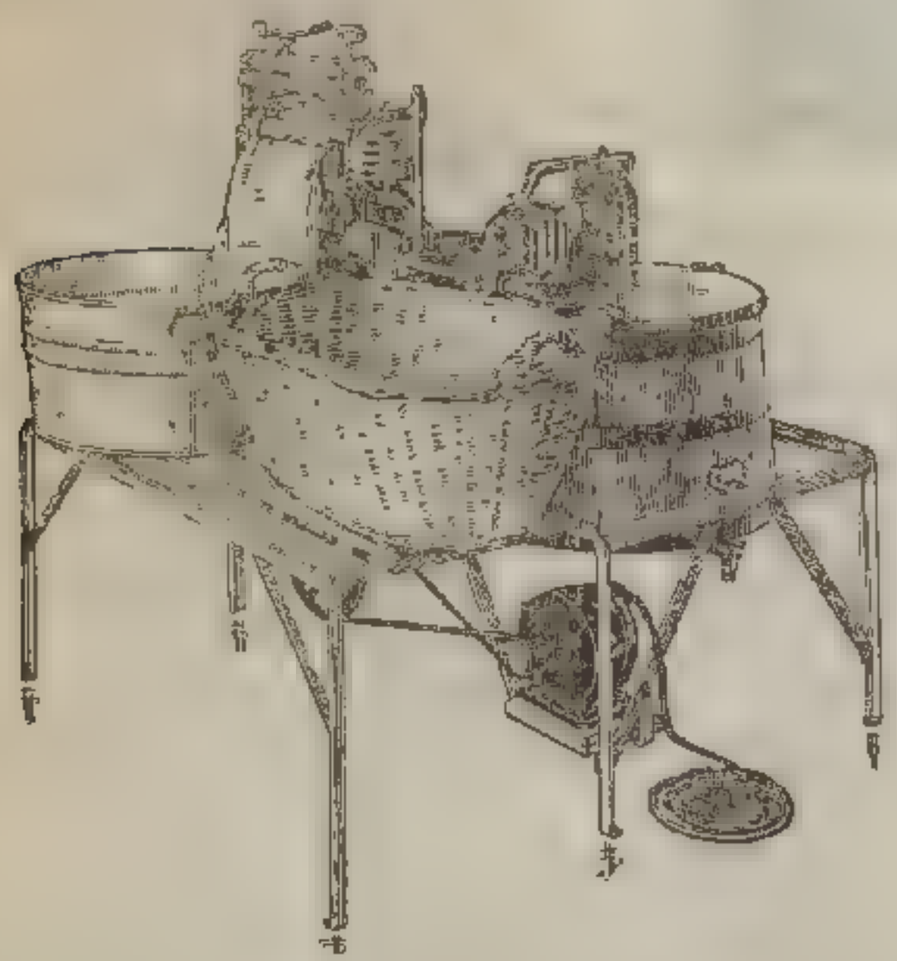
WAYNE VACUUM

ELECTRIC

Constructed on the Vacuum Principle, Having a Vacuum Agitator with an Up and Down Movement which Positively will not Tear or Injure the Finest Fabrics. It will Thoroughly Cleanse in Less Time then the Old Method. Agitator Heavily Galvanized Metal and Indestructible—Easy Running, Fast Washing and is a Complete Power Laundry on a Small Scale.

Platform and Frame—Angle Iron, Strongly Supported; the Left or Supplementary Half Being Removable for Space Saving Between Wash Days. Hardwood Platform Strips Bolted to Frame. Platform Arranged to Support Wash Basket and Two Wash Tubs. Platform and All Metal Parts Green Enameled

Washing Tub—Solidly Mounted on End of Main Platform. Select Southern Louisiana Red Cypress; Double Reinforced Corrugated Lid and Corrugated Sides and Bottom; Bound with Three Flat, Iron Hoops; Inside Dimensions—12½ inches Deep; 21 inches in Diameter at Top; 23 inches in Diameter at Bottom.



Motor—¼ Horsepower, 110 Volt, 60 Cycle, Single-Phase Alternating Current or 110 Volt Direct Current. Complete with 10 feet Brewery Cord with Switch Connection, Tub and Plug Connection for Incandescent Lamp Socket. When Ordering, State Whether for Direct or Alternating Current.

	Each
No. OJE—Weight, Crated, 260 lbs. One in a Crate	$158 00

WASHING MACHINES

WAYNE VACUUM

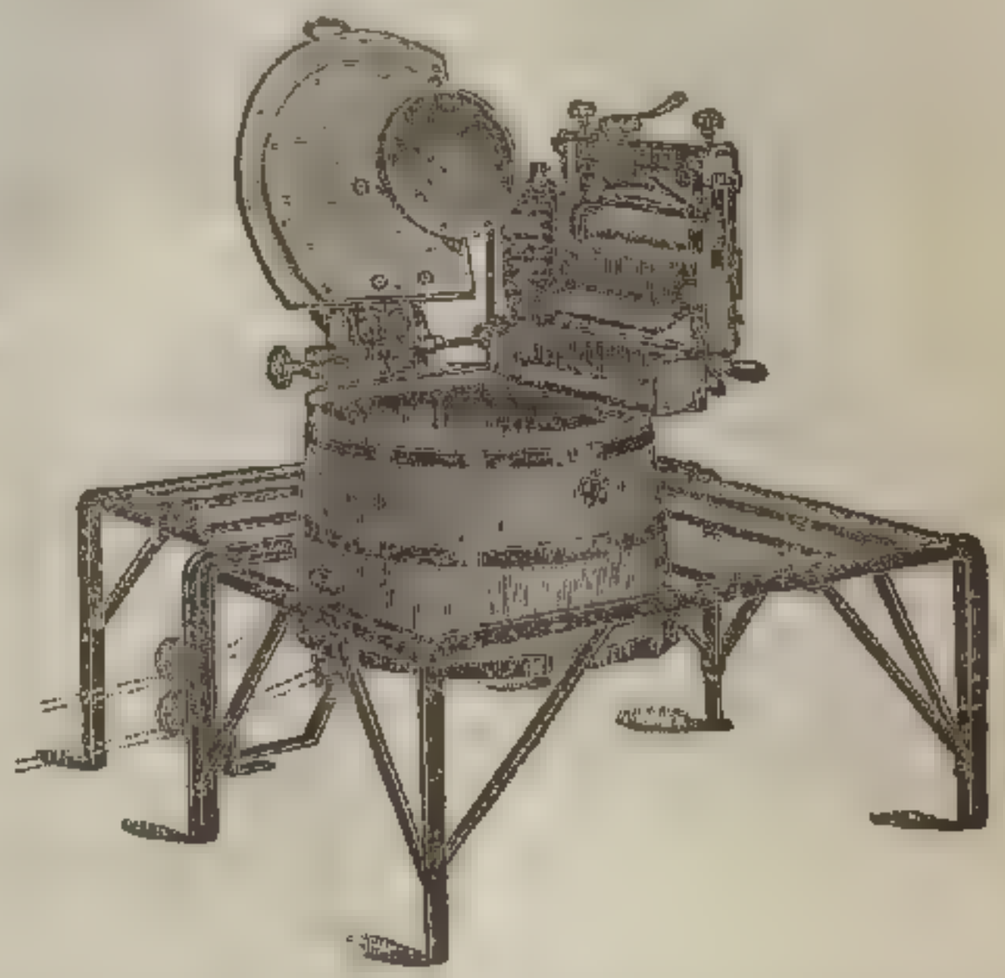
BELT POWER—GASOLINE

Capacity—From Eight to Ten Shirts or the Equivalent of from Three to Four Full Size Sheets

Wringer—Power Driven; Reversible at Will and can be Swung and Locked in any Desired Position; Rollers Made of Guaranteed High Grade Rubber; 11x1¾ inches; Enclosed Gears; Quick Lever Release Affording Instant Releases Should Anything be Caught or Clogged Between them.

Dimensions—Entire Machine Set Up in Working Order, Length Over All 47 inches; Width 47 inches; Height of Frame 21½ inches. With Supplementary Platform Removed, 47x28 inches.

Finish—The Entire Machine, Platform, and Castings are Painted Gray; the Hoops are Striped with Gold Bronze.



Note—When Ordering, State the Speed of Engine or Shaft and Give Size of Driver Pulley so we Can Equip Washer with Proper Size Pulley to Give it the Correct Speed of 120 R. P. M.

Complete with All Necessary Pulleys, etc., but Belt is Not Included.

	Each
No. OJB—Weight, Crated, 240 lbs. One in a Crate	$106.00

MAIL US YOUR ORDERS OFTEN. WE BELIEVE THAT OUR PRICES WILL AVERAGE AS LOW OR LOWER THAN YOU CAN PROCURE THE GOODS FOR FROM OTHER SOURCES. WE TAKE SCRUPULOUS CARE TO HAVE THE DESCRIPTIONS IN OUR CATALOG ACCURATE IN EVERY RESPECT.

; Syrup Pepsin has been advertised in
ur list.

ıcrease and the past year showed the
·usiness.

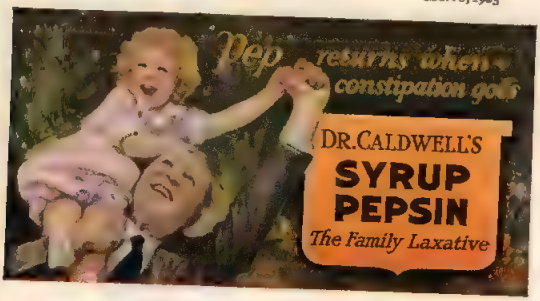
p" and not only create new users but
ttle out of the medicine chest.

ADVERTISING CO.

Western Office
Monadnock Bldg., San Francisco

. Y.

CUTS BY NEW CENTURY ... PLATE CO., N. ...

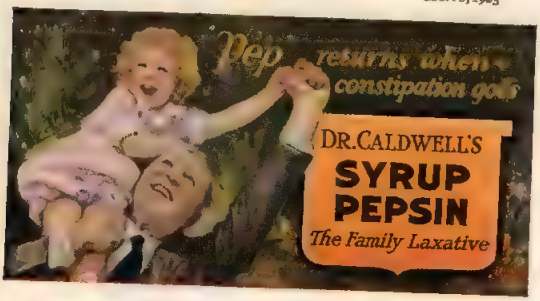


THIS is the third year Dr. Caldwell'
the Street Cars of every State on
The sales of the product continue to i
greatest volume in the history of the
Their car cards radiate health and "pe
act as *a daily reminder to bring the b*

STREET RAILWAYS

Central Office
Borland Bldg., Chicago

Home Office
Candler Bldg.,



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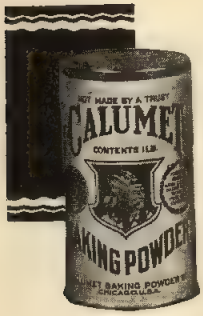
Cashing in . . .



Calumet's 1922 advertising campaign included space in all six Chicago newspapers.

Chicago Herald

NEW YORK: 1819 Broadway
SAN FRANCISCO: Monadnock Bldg.

. . for Calumet

¶ 103,218 lines were placed. The Herald & Examiner carried 33,314 lines . . . . . 9,887 lines *more* than its morning contemporary . . . . . and 4,048 lines in excess of the *combined* lineage of Chicago's two leading evening papers.

and Examiner

CHICAGO'S **BEST** NEWSPAPER

Logical!

definition—Logic—(loj-ik) N. the science of correct reasoning; the power to think correctly

Consider Northern Ohio

with a population of over 3,200,000, which is divided into 688,566 families, residing in 13 cities of over 25,000 population, 111 towns of over 1,000 population, 1,559 hamlets and hundreds of farms, the valuation of which approximates $563,000,000. Northern Ohio has 19 jobbing centers and 11 distinct Merchandising zones. An indication of the tremendous Buying Power of this market lies in the fact that there is an automobile for every 2½ families. Transportation facilities are of the best—10 of the country's most important railroad systems, and five interurban lines, together with 58 bus lines traverse this rich, progressive market!

If you haven't already received a copy of The Plain Dealer's Book for 1923, "Cleveland's Three-Million Market," write for one. Address MERCHANDISING DEPARTMENT.

J. B. WOODWARD
Times Bldg., New York
WOODWARD & KELLY
Security Bldg., Chicago
Fine Arts Bldg., Detroit

The Plai

Cleveland's Greatest Salesma

remember—

Cleveland—the gateway to this great area—is the second city of the United States in diversified industries, with only three newspapers which could have any influence whatsoever in Northern Ohio. But there is only ONE which actually covers it—

The Plain Dealer

—for it has 10,000 MORE Daily circulation, and 40,000 MORE Sunday circulation than any other Cleveland newspaper.

isn't that logical?

Proof!

In 1922 The Plain Dealer achieved an overwhelming leadership in National advertising among Cleveland newspapers. 50.3% of the total lineage appeared in The Plain Dealer alone—a greater volume than all other Cleveland newspapers combined!

Northern Ohio Is YOUR Market—

The Plain Dealer Is YOUR Medium

n Dealer
n of ANY-priced Merchandise

R. J. BIDWELL CO.
Times Building,
Los Angeles, Cal.
742 Market Street,
San Francisco, Cal.

In the spring

more people ride in buses

IN THE SPRING while some still wear their overcoats and others leave them off — more people hail the buses on the street corners and along the interurban routes.

More riders mean more buses—new buses to meet a type of traffic that is increasing yearly; new buses to replace those worn out last year.

The peak loads of last year are the normal loads this year. Purchases of equipment for new peaks are being made now.

Bus line operators are studying *Bus Transportation* to learn of better operating methods and to see what economies manufacturers have to offer through the equipment they advertise.

Successful agents and dealers are weighing their own lines of buses and equipment against those of other makes.

Bus manufacturers and body builders are getting ready for the expanding market for new buses and specialized bodies.

Service station operators are already placing orders to meet the increasing demand for bus servicing and supplies.

These men read and use *Bus Transportation*, because it is devoted exclusively to transportation and maintenance engineering.

BUS TRANSPORTATION

A McGraw-Hill Publication — — Tenth Ave. at 36th. St. New York

Purchases of new bus equipment for this year's service are being made now.

MOTOR BUSES average from 30,000 to 40,000 miles per year. Pleasure cars average less than 6500 miles.

The bus uses from two to three complete sets of pneumatic tires each year.

In interurban service, brakes have to be relined every 10,000 miles. In the city, single-deck buses require new brake linings every 3000 miles and double-deckers, every 1500 miles.

The high ratio of the requirements of buses compared with the needs of pleasure cars holds true also for lubricants, parts and supplies.

The bus transportation industry is a real market!

the only publication devoted exclusively to this enthusiastic industry

JUST as surely as a good housewife is judged by her back yard, so a newspaper is judged by its local advertising and circulation. Well informed buyers of space know that THE CLEVELAND PRESS leads in almost every important local advertising classification in the daily field—total local advertising and total advertising. THE PRESS also leads the only other evening newspaper in Greater Cleveland circulation by over 36,000.

In Men's Furnishings, for instance, THE PRESS publishes about twice as much advertising as its only evening contemporary. Here are the daily figures for 1922:

THE PRESS .	**356,164 Lines**
Plain Dealer .	**316,300 "**
The News . .	**180,131 "**

Here is impressive evidence of THE PRESS local rating as the dominant business producing newspaper of Cleveland.

ALLIED NEWSPAPERS, INC.

Publishers' Direct Representatives

New York Chicago St. Louis Cincinnati Atlanta Cleveland San Francisco

Member Audit Bureau of Circulations

The Scripps-Howard Newspapers
Including the Scripps-McRae League

The CLEVELAND PRESS

DOMINATES GREATER CLEVELAND

"OVER A

...and how

THERE is no mystery attached to the CHICAGO HERALD & EXAMINER'S sensational circulation drive .... a tremendous campaign which made the Sunday circulation grow steadily from approximately 650,000 to over 1,000,000 .... *and leadership!*

We merely practiced what we preach .... we *advertised.* And our advertising story was concentrated chiefly in newspapers. In an ably directed campaign of five months' duration we spent over

$300,000.00

advertising what we know is the BEST newspaper in Chicago. And this intelligent, carefully planned advertising campaign shattered all circulation records in the Central West. Today .... over a million

Chicago Herald

Sunday circulation .... OVER A MILLION
lowest milline rate of any newspaper
west of New York .... daily or Sunday

MILLION"

we got it!

prefer the CHICAGO SUNDAY HERALD & EXAMINER at 10 cents a copy .... a 50% higher price than that of its morning contemporary.

Proving .... that if you have a *real* product to sell you can sell it .... with *good* newspaper advertising.

Proving .... that if you have a *superior* product to sell you can dominate your market (irrespective of selling price) with *good* newspaper advertising.

And we have the SUPERIOR product!

The result? Just this ....

Over 1,000,000 people pay over one hundred thousand dollars every week for the Sunday Chicago Herald & Examiner .... a yearly total of over $5,000,000.00

and Examiner

Chicago's BEST Newspaper

NEW YORK: 1819 Broadway
SAN FRANCISCO: Monadnock Building

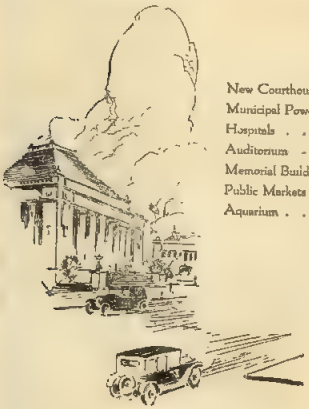
Three model houses, one of brick, one of stucco and one of wood, are being built in a group by The Minneapolis Journal to demonstrate design, construction and materials. The plans have been drawn by the American Institute of Architects. This educational program is of direct service to all building material advertisers.

THE MINNEAPOLIS JOURNAL

Represented in New York, Chicago, and San Francisco by O'Mara & Ormsbee, Inc.

St. Louis
the City with
$87,000,000
to spend on
Municipal
Improvements

$22,150,000



New Courthouse	$4,000,000
Municipal Power Plant	1,000,000
Hospitals	4,500,000
Auditorium	5,000,000
Memorial Building and Plaza	6,000,000
Public Markets	1,250,000
Aquarium	400,000

Globe-
St. Louis'

E. St. J. Richards, - - - New York
Guy S. Osborn, - - - - Chicago
J. R. Scolaro, - - - - Detroit

for Public Buildings

HERE is a little more than twenty-five per cent of St. Louis' new bonded improvement plan.

Think what it means in terms of brick, stone, cement, structural steel, hardware, roofing, paint, glass, metal, plumbing fixtures.

Think of the employment these projects will afford during the next ten years.

Watch St. Louis' population double . . . Watch St. Louisans spend two dollars for every one of the eighty-seven million dollars spent on civic improvements.

Manufacturers of everything can reach St. Louis planners and St. Louis buyers through the only morning paper in this growing city.

Our Service and Promotion Department can tell you how.

Democrat

Largest Daily

We could not be satisfied unless we gave St. Louis her BEST Newspaper.

C. Geo. Krogness, - - - San Francisco
Dorland Agency, Ltd., - - - - London
Asso. American Newspapers, - - Paris

Brick, Stucco, Wood—

demonstration of these materials in home building is the purpose of the three model houses now in course of construction in Minneapolis by The Journal. This educational program is of direct value to all building material advertisers and splendidly illustrates Journal co-operation.

THE MINNEAPOLIS JOURNAL

Represented in New York, Chicago, and San Francisco by O'Mara & Ormsbee, Inc.

THE SUN
Just a
good
Newspaper

MAKE a newspaper good enough and increased circulation and advertising will follow naturally.

The early recognition of this fact is the reason for the remarkable growth of Baltimore's big paper.

The Baltimore Sun has always been first of all "just a good newspaper" and it will continue to grow because it will always be a good newspaper —as good as it is possible to make it. Circulation now **234,173** daily, **165,029** Sunday.

GAINS

Feb. 1923 over Feb. 1922

Circulation-- { **DAILY 8025** / **SUNDAY 8861**

Advertising--300,000 lines

Everything in Baltimore Revolves Around

THE SUN

MORNING EVENING SUNDAY

JOHN B. WOODWARD
Times Bldg., New York

GUY S. OSBURN
Tribune Bldg., Chicago

Leads Entire Country in Automotive Advertising

On Sunday, February 4th, The Minneapolis Journal published 104,055 lines of Automotive Advertising.

From such records as have been published this is the largest volume of Automotive Advertising published in any one edition of any newspaper in America this year.

The Auto Show Number of The Sunday Journal was also the largest edition ever published by this newspaper, comprising 168 pages.

Moreover, this edition had the largest circulation in The Journal's history—148,000.

THE MINNEAPOLIS JOURNAL

Represented in New York, Chicago, and San Francisco by O'Mara & Ormsbee, Inc.

Turks and
Turkish
Towels

WITH due respects to the Editorial Department, Mrs. Jones doesn't always turn hurriedly to the big news story about what the Turks are doing, when she picks up the daily paper.

More likely than not she hurries to the page ad that tells the bargain price on Turkish Towels. Which only shows that not all the news is in the news columns. And if you have a real story to tell in your advertising, you can depend upon the Mrs. Joneses and Mr. Smiths of Baltimore to read it.

Advertising is news—and the Sunpapers carry most of it.

Everything in Baltimore Revolves Around

THE SUN

MORNING EVENING SUNDAY

JOHN B. WOODWARD
Times Bldg., New York

GUY S. OSBORN
Tribune Bldg., Chicago

1922

—and it Was a record

The States was the only New Orleans newspaper to gain advertising lineage in 1922. Both the Item and Times-Picayune lost.

The reasons? Intensive circulation in New Orleans and the immediate trading area served by the New Orleans stores. Maximum productiveness per dollar invested. Circulation, daily and Sunday, constantly increasing and as constantly adding to the value of the space cost.

The record of the New Orleans States in gaining over a million lines in 1921 is probably unequalled in the South. It could not have happened had not the States unquestionably proved its power, its value, and its title to the *Confidence and Contract* of everyone wishing to sell New Orleans and vicinity.

NEW ORLEA

Established 1879 *Every Afternoon and Sunday Morning*

ROBERT EWING, Publisher, New Orleans States, Shreveport Times

Record

of the

New Orleans States Shows

A Gain of 1,095,852 Lines of Advertising over 1921

Official figures compiled by Secretary, New Orleans Publishers Association

	Local	Foreign	Classified	Total
1922	6,316,869	803,045	1,088,034	8,207,948
1921	5,774,965	648,663	688,468	7,112,096
Gain	541,904	154,382	399,566	1,095,852

NS STATES

National Representatives: S. C. Beckwith, Special Agency, New York
John M. Branham Company, Chicago

The Skilled Mechanic
No. 9 of a Series

Skilled Mechanics Buy the Best

You don't find cheap tools in a skilled mechanic's kit. He buys only the best.

And with an income of $2,500 or more the American mechanic can buy the best for his family, his home. He has learned in his daily work the value of quality.

There are over 36,000 of these highly trained mechanics in Popular Science Monthly's 250,000 A. B. C. Guaranteed Circulation.

Popular Science
MONTHLY

Advertise to Men *through* Men's Magazines

Solving the "St. Louis Problem" for Eastern Advertisers

His sound knowledge of advertising practice, and his study of the St. Louis market combine to make the counsel of

Mr. F. St. J. Richards

particularly valuable to those contemplating sales campaigns in this wealthy district.

Mr. Richards represents us in our Eastern Office, 410 Tribune Building, New York.

Enlist his aid.

Globe-Democrat

St. Louis' Largest Daily

The Net Paid Sund

CHICAGO HERAL

Over a

THIS is the culmination of a record of growth unprecedented in the history of newspaperdom. In five months the Sunday Herald and Examiner has gained more than 350,000 new subscribers.

This remarkable achievement was solely the result of a spontaneous response of the public to our effort to give it the best newspaper in America.

Only one other newspaper, the New York American, has ever attained the million circulation mark.

HERALD

PRICE 10 CENTS
EVERYWHERE

CHICAGO'S

Lowest Milline Advertising Rate

Circulation of the AND EXAMINER NOW Million

Here Is the Unique Record of the Herald and Examiner's Remarkable Growth Since the First Sunday in September.

1922	Net Paid Circulation
Sept. 3	643,853
Sept. 10	715,050
Sept. 17	728,161
Sept. 24	729,247
Oct. 1	724,804
Oct. 8	731,724
Oct. 15	725,919
Oct. 22	727,353
Oct. 29	733,138
Nov. 5	795,726
Nov. 12	801,891
Nov. 19	802,317
Nov. 26	806,065
Dec. 3	853,050
Dec. 10	846,365
Dec. 17	846,343
Dec. 24 (Christmas)	829,801
Dec. 31 (New Year's)	838,499
1923	
Jan. 7	878,041
Jan. 14	877,275
Jan. 21	894,583
Jan. 28	929,410

February 4, 1923—Over a Million

EXAMINER

NEWSPAPER

CIRCULATION OVER A MILLION

United States West of New York

For an entire line

Applying Modern Methods to Selling Several Products

Not only a single product but an entire line can be sold in greater volume by better display.

The Package Confectionery Company of Boston is using Brooks Display Containers (Patented) for several of its distinctive products. Each container has individuality, but each harmonizes with the others.

Goodwill and much business spring from this group of silent salesmen.

Send us a sample of your product, and let us know the number of units to be packed in a container. Please specify any preference of design and colors, and state quantity of containers desired. We shall submit an attractive proposition.

BROOKS BANK NOTE CO.
Springfield, Mass.
New York Philadelphia Boston

BROOKS DISPLAY CONTAINER

Lithographed Folding Boxes—Labels—Window Display Advertising

"I want a kitchen cabinet and I do not know which kind is best for me to buy, there are so many to select from. I have read about the Priscilla Proving Plant and wondered if you could help me."

From a letter on file in the office of the Modern Priscilla

Over 600,000 women who not only "want to buy" but do buy thousands of dollars' worth of articles for home and family use every year—this is the market you reach through the advertising pages of

MODERN PRISCILLA

The Trade Paper of the Home

New York *BOSTON* *Chicago*

Hearst's International is not like any magazine with which you are familiar. It is the one magazine that every month turns some big subject inside out, giving facts, which no well educated American can afford to miss. It takes you into the thousand fields where vast transformations are taking place. At the same time it gives a

Hearst's In

Norman Hapgood
Editor

A LIBERAL

variety of fiction at its very best. A magazine which leads in the world of ideas should create for itself beautiful forms in which those ideas have their ideal life. And so this magazine has been given a richness of form and color that puts its aesthetic leadership beyond question.

ternational

EDUCATION

Richard H. Waldo
Publisher

ERWIN, WASEY & COMPANY

Advertising

CHICAGO

NEW YORK PARIS LONDON

Because each of our men realizes that upon his work rests some part of the reputation of this whole organization, our every plan, decision and action is attended with unusual care

We have complete advertising organizations in both London and Paris, for the service of clients doing business in the United Kingdom or on the Continent

Open Letters to Advertising Agents

THE NATION'S BUSINESS

Published by
The Chamber of Commerce of
the United States of America

Washington

March Twenty-seventh.

Dear Mr. Newell:

A few years ago agents and advertisers tried to avoid duplication in building a list.

Now they insist on the right kind of duplication.

The reason is obvious:

When an agent today thinks of a mass audience he sees immediately an audience of two million people and in that group he frequently has in mind one particular market on which he must get duplication if possible.

If business men are the men he wants most to influence he welcomes a publication like The NATION'S BUSINESS that will duplicate on business men exclusively and reach again the best customers for his client, - because that means strong additional pressure exactly where he wants it.

The price of this direct pressure may be a factor, yet it can hardly weigh against such important additional selling, particularly when in its strongest terms - twelve powerful double pages a year - it only totals $14,400.

And the bull's-eye on which you get this repetition is 100,000 leading business executives.

I know you had such considerations in mind in planning the Western Electric Company's campaign, and placing a strong schedule in The NATION'S BUSINESS.

With heartiest good wishes.

Victor Whitlock

Mr. C. B. Newell, Pres.,
Newell-Emmett Company,
New York City.

Victor Whitlock
Director of Advertising.

FROM THE NATION'S BUSINESS

SELL It to

Sweeney Wants Everything!

"THERE is no use," says many a business man, "in advertising to that class of people—they can't afford it!"

But bootleggers sell eighteen dollar hootch a long way from Wall Street. Office boys play pool at a dollar an hour. An impoverished family in a factory town will spend a thousand dollars for a funeral. There are fifteen-thousand-dollar-a-year bachelors in New York City who can't afford to marry, and five-dollar-a-day laborers who can. A hostler sports a diamond horseshoe pin, but can't afford an overcoat. A working girl will pass up lunch, but must have a fur coat.

What is the answer? The bootlegger gets the money because somebody *wants* the hootch. The office boy prefers the click of ivory on the green table to the clink of coin in the tin bank. The poor family *wants* the funeral. The laborer *wants* the girl. The distinction of diamonds is worth more to the hostler than warmth in winter weather. Hudson seal means more to the working girl than ham sandwiches or hot soup. A human being is a customer for anything that he or she wants badly

Sweeney!

enough. High desire discounts the cost and discovers some way to overcome it. Somebody wants something all the time.

Isn't the first job of your advertising to sell your product to people who want it? Then, why not advertise to the Sweeneys—the average man, the average woman, the average family—the mass market in New York? The Sweeneys want everything! Their wants are limited only by what they do *not* know! . And the Sweeneys buy things that, by incomes and statistics, seem out of their reach. But when they want them *enough*, they buy.

Sell it to Sweeney—the mass market of New York—in The News. A market that is first in the world in point of concentrated population, high per capita income and earning power; a market that affords cheaper, more efficient, more rapid distribution; quicker turnover, and a larger potential volume of business than any other market in the world. And a medium that covers a third of New York City in the morning field, that has higher attention value, reader interest and responsiveness, and because of its tabloid page makes advertising space and advertising dollars more effective. Get the facts!

THE Sweeney series has been reproduced in individual folders. Write for the full set.

THE NEWS

New York's Picture Newspaper

25 PARK PLACE, NEW YORK

TRIBUNE BLDG CHICAGO

These Quick-Change Screens Last Long

These Quick-Change Screens will keep your dealer windows always new and active—it is so easy to slip display sheets in and out of their beautifully enameled all-steel frames that dealers are more than glad to use them.

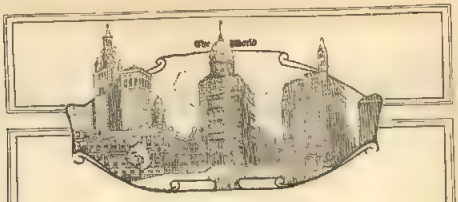
Light weight—easy to handle—ship by Parcel Post or express—easy to set up—easy to change displays.

Multiplex Screens are designed along pleasing lines, are light, compact and can be easily handled and set up. Light, inexpensive lithographed or printed sheets carry the display—no expensive, heavy cut-outs required.

Write for FREE Illustrated Booklet

MULTIPLEX DISPLAY FIXTURE CO.
922 N. Tenth Street, St. Louis, Mo.
New York, Chicago, Philadelphia, Cleveland, Minneapolis, San Francisco, Los Angeles

Multiplex
ALL-STEEL WINDOW SCREENS



FIRST!

IN FEBRUARY, THE WORLD gained 675 columns of advertising, or 287 columns in excess of the increase of its nearest competitor. It thus enters 1923 far in the lead of its entire field in the matter of gains.

First Two Months of Year, Morning Papers

	COLUMNS			
	JANUARY		FEBRUARY	
	GAIN	LOSS	GAIN	LOSS
THE WORLD . .	732	—	675	—
The Times	214	—	93	—
The American . .	207	—	—	42
The Herald	—	156	23	—
The Tribune . . .	—	178	129	—
The News	228	—	388	—

February constitutes the tenth consecutive month that THE WORLD stood first among New York newspapers in the size of its advertising gains. For the first two months of the new year it shows an advantage of nearly 800 columns in gain over the advertising increase of its nearest competitor.

The World

MALLERS BUILDING CHICAGO · PULITZER BUILDING NEW YORK · FORD BUILDING DETROIT

Preferred...by

The Sunday Chicago Herald & Examiner's net paid circulation for February averaged *over*

1,000,000

Chicago Herald

NEW YORK: 1819 Broadway
SAN FRANCISCO: Monadnock Bldg.

over a million

In no other American newspaper can an advertiser reach such a mighty audience....at such an exceptionally low milline rate.

and Examiner

CHICAGO'S BEST NEWSPAPER

Which Shall Be Yours?

Much mailed advertising traverses an uninterrupted way from the mailing to the waste basket, where it lies unhonored and unsung, and what is more to the point—unread! Other such matter stops at the recipient's desk and delivers its message —perhaps it is preserved.

The difference between the two is evident—attractiveness and the lack of it.

We have built a million dollar plant in twelve years on the attractiveness of our product—fine illustrated magazines and the larger editions of advertising matter.

An inquiry from you entails no obligation

NATIONAL CAPITAL PRESS
1210-1212 D Street N.W., Washington, D. C.

Sole rights to the reproduction in the Twin Cities of the official Tut-ankh-Amen pictures made under the authority of the Earl of Carnarvon are owned by The Minneapolis Journal. These pictures are an index of the quality of the rotogravure section of The Sunday Journal—circulation now 145,000.

THE MINNEAPOLIS JOURNAL

Represented in New York, Chicago, and San Francisco by O'Mara & Ormsbee, Inc.

FIRST FIRST FIRST FIRST FIRST FIRST FIRST FIRST

The Baltimore Sun's

February Net Paid Average Circulation

Daily (Morning & Evening)

234,173

SUNDAY

165,029

A Gain Over February, 1922, of---

Daily, 8,025

Sunday, 8,861

THE MORNING EVENING SUN SUNDAY

GUY S OSBORN Tribune Bldg Chicago

JOHN B WOODWARD Times Bldg New York

Everything in Baltimore revolves around The Sun

Who does
your printing?

Charles Francis Press

Printing Crafts Building • *Telephone Longacre 2320*

461 Eighth Avenue, New York City

Detroit News Is Also the Grocer's Medium

The two largest grocery firms in Detroit use The News exclusively.

THE DETROIT NEWS leads in practically every selling classification of advertising because it not only has the greatest week-day and Sunday circulation, but also because that circulation is largely home circulation.

The News goes into the home and stays, becoming the buyer's guide. Naturally such a paper will be the best medium for the grocers—a fact well substantiated by the following figures. In 1922 The News published 866,824 agate lines of grocer and food products advertising, while the next paper published only 449,918 lines, a little more than half; and the third 266,840 lines; less than a third. To sell food products in Detroit, consider these facts.

The Detroit News

Greatest Circulation Daily and Sunday in Michigan

"Always in the Lead"

The Plain Dealer's Book for 1923, "Cleveland's Three Million Market," is now ready. You'll want a copy for your desk. Address

MERCHANDISING DEP'T.

J. B. WOODWARD
Times Bldg., New York
WOODWARD & KELLY
Security Bldg., Chicago
Fine Arts Bldg., Detroit

The Pla

Cleveland's Greatest Sales

The National Advertisers and Advertising Agencies of the United States bought $200,000,000.00 of newspaper space during 1922.

The territorial alignment of this great expenditure represents the highest type of scientific space-buying known to American advertising. Every market, every newspaper and every dollar is impartially appraised and apportioned by men whose sole business is to get the utmost from advertising. Only certainties survive such a gruelling test.

During 1922 these scientific space-buyers concentrated their Cleveland advertising in The Plain Dealer as never before. Hundreds of them used The Plain Dealer exclusively. Together they bought more space in The Plain Dealer than in all other Cleveland newspapers combined.

During 1922 the National Advertisers used 7,124,614 lines of space in Cleveland newspapers—50.34 per cent. of which appeared in THE PLAIN DEALER alone.

	Lines
THE PLAIN DEALER	3,586,646
The Press	1,559,628
The News and Sunday News-Leader	1,978,340
PLAIN DEALER'S excess over all	48,678

East, West, North, South, sped the same message in 1922:

"The Plain Dealer ALONE Will Sell It!"

n Dealer

of ANY-Priced Merchandise

R. J. BIDWELL CO
Times Building,
Los Angeles, Cal.
742 Market Street,
San Francisco, Cal.

Yes Sir—

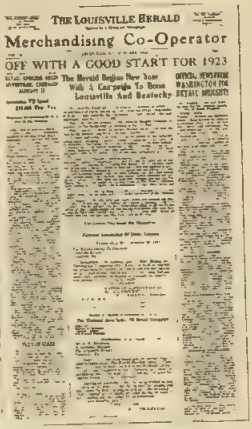
You Can Sell Your Products and "Move-More-Merchandise"

in Louisville, Kentucky, and Southern Indiana at a most economic cost through the growing and concentrated circulation of

The Louisville Herald

The only newspaper in Kentucky issuing a Merchandising Magazine, backed by a Merchandising and Co-operative Advertising department that provides helpful service to advertisers.

Glad to mail you copy and tell you more about the 96% Herald circulation that dominates trade in this territory.


THE LOUISVILLE HERALD

Merchandising Co-Operator

OFF WITH A GOOD START FOR 1923

The Herald Begins New Year With 4 Campaigns To Boost Louisville And Kentucky

OFFICIAL NEWSPAPER WASHINGTON BICENTENNIAL BOOKLETS

THE LOUISVILLE HERALD

Kentucky's Greatest Newspaper

The Shaffer Group

CHICAGO EVENING POST
INDIANAPOLIS STAR
LOUISVILLE HERALD
ROCKY MOUNTAIN NEWS
DENVER TIMES
MUNCIE STAR
TERRE HAUTE STAR

QUALITY PUBLICATIONS

Foreign Representatives
KELLY-SMITH CO.
Murbridge Building, New York
Lytton Building, Chicago

GEO. M. KOHN
Walton Building, Atlanta

R. J. BIDWELL CO.
Market Street, San Francisco
Times Building, Los Angeles

When Wedding Bells chime in

Philadelphia

will Spring brides treasure your goods?

Closing of the Lenten season will be the signal for a host of Spring weddings—and for the buying of extensive trousseaux and the purchase of innumerable gifts of every kind.

If you manufacture clothing, shoes, hosiery or other articles of women's Spring apparel, or turn out products suited for wedding gifts, you can convince the prospective brides, members of their families and friends that your goods should play a big part in the coming weddings, through advertising in the favorite newspaper of Philadelphia women—The Evening Bulletin.

The Bulletin every day goes into nearly every home, office and workshop in Philadelphia, Camden and their suburbs.

Dominate Philadelphia

Create maximum impression at one cost by concentrating in the newspaper "nearly everybody" reads—

Philadelphia's Newspaper—

The Evening Bulletin

"In Philadelphia nearly everybody reads The Bulletin"

The circulation of The Philadelphia Bulletin is larger than that of any other daily or Sunday newspaper published in Pennsylvania and is one of the largest in America.

1922 net paid average circulation: 493,240 copies a day.

New York—Dan A. Carroll, 150 Nassau St.
Chicago—Verree & Conklin, Inc., 28 East Jackson Blvd.
Detroit—C. L. Weaver, Verree & Conklin, Inc., 117 Lafayette Blvd
San Francisco—Allen Hofmann, Verree & Conklin, Inc., 681 Market St.
London—M. Bryans, 125 Pall Mall, S. W. 1
Paris—Ray A. Washburn, 5 rue Lamartine (9)

(Copyright 1923—Bulletin Company)

Oklahoma's All- that is run

Poultry raising pays farm women one-seventh the value of cotton

POULTRY money, in large measure, provides the hundred and one home conveniences, the "pin money" and the clothing purchased by Oklahoma farm women.

Poultry raising is generally left to the women on the farm, but on that account it is none the less important. Frequently the receipts from the sale of poultry and eggs marks the difference between "breaking even" and making a good profit on the year's crop.

The year 1919 furnishes a fair picture of the poultry industry. The value of poultry and eggs produced that year amounted to more than $24,800,000—more than one-seventh of the total value of the cotton crop for that year, and a bumper year, too.

And each year has seen a constant increase in the number of fowls and number of eggs produced.

If any doubt exists as to the future of the poultry industry on Oklahoma farms, the sales of incubators, brooders, baby chicks, setting eggs, and breeding

Selling the Investor, too

LEADING financial and investment houses in the United States now realize that to maintain the market for investment securities and provide for the success of future issues, it is essential to promote the absorption of securities by "ultimate consumers"—individual investors.

This is most efficiently and economically done by advertising in those mediums that most influentially reach the greatest consumer markets. In Chicago the medium is The Daily News,* which by reason of its large home circulation and influence in the "family councils" of financially competent Chicagoans most completely and effectively reaches the great outstanding consumer market in its territory.

Realizing this, the following representative financial houses have each placed in The Chicago Daily News, since January 1, 1923, more than 1,000 lines of financial display advertising.

Investment Bankers, Bond Houses and Brokers

A. C. Allyn & Co.
American Bond & Mortgage Co.
Ames, Emerich & Co.
A. G. Becker & Co.
Blair & Co.
Blythe, Witter & Co.
Bonbright & Co.
John Burnham & Co.
George H. Burr & Co.
H. M. Byllesby & Co.
Cochran & McCluer Co.
Federal Securities Corp.
Guaranty Co. of New York
Greenebaum Sons Investment Co.
Halsey, Stuart & Co.
Hayden, Stone & Co.
Jones & Baker
Jacob Kulp & Co.
Lee, Higginson & Co.
J. P. Morgan & Co.
National City Co.
S. W. Straus & Co.
The Straus Bros. Co.
R. E. Wilsey & Co.
Utility Securities Co.

Banks and Trust Companies

Central Trust Co. of Illinois
Chicago Title & Trust Co.
Continental & Commercial National Bank
Corn Exchange National Bank
First National Bank of Chicago
First Trust & Savings Bank
Foreman Bros. Banking Co.
Harris Trust & Savings Bank
Illinois Trust & Savings Bank
Merchants Loan & Trust Co.
Northern Trust Co.
Peoples Trust & Savings Bank
Union Trust Co.

To reach most effectively the greatest market of primary and ultimate consumers of legitimate securities in Chicago, and provide for the steady absorption of future issues, place your advertising in

THE CHICAGO DAILY NEWS

First in Chicago

*The FINAL EDITION of The Chicago Daily News gives its readers the COMPLETE story of the financial day TWELVE HOURS EARLIER than the same reports are supplied by any morning newspaper.

Profit Industry by women

stock during the past year point the way to a bigger, healthier, more profitable source of revenue.

Each year the poultry industry grows. Each year the profits are larger. And the farm woman spends her money little differently from her city sister.

The Oklahoma Farmer-Stockman for years has stressed the economic soundness of raising poultry on every farm. Column after column has been devoted to this important phase of farm life. Today there is a flock of poultry on 92% of the farms in Oklahoma—visible evidence of reader confidence.

This is another example of the practicable editorial policy of the Oklahoma Farmer-Stockman and how this policy is surely improving the economic condition of its 140,000 readers.

The OKLAHOMA FARMER-STOCKMAN

CARL WILLIAMS
Editor

Edgar T. Bell, Adv. Mgr. Oklahoma City, Okla.

THE OKLAHOMA PUBLISHING CO.
THE OKLAHOMAN & TIMES—RETAIL SELLING

E. KATZ SPECIAL ADVERTISING AGENCY
New York Chicago Kansas City Atlanta San Francisco

Lineage—Lowest Rate

Outdoor Advertising

NATION-WIDE

110,000,000 Circulation

In the cities where Golden Key Milk is advertised out-of-doors, its sales lead all competitors.

Leadership was secured in St. Louis in less than two years through Outdoor Advertising.

Thos. Cusack Co.

CHICAGO
Harrison Loomis & Congress Sts.

Branches in 46 Cities Operating in or Representing 8,500 Cities and Towns

NEW YORK
Broadway Fifth Ave. at 25th Street

Your copy in The Chicago Tribune during the Chicago Show

—will reach manufacturers of automobiles, parts, and accessories;

—and dealers—thousands of the biggest from a score of states;

—and owners and prospects—hundreds of thousands of them—distributed over such a vast, rich section that your newspaper copy becomes the very best of national advertising.

DURING show week all major factors in the automobile industry are concentrated in Chicago and read The Chicago Tribune every day.

Furthermore, news of the show and automobile advertising, appearing in great volume in The Tribune, generate the highest degree of interest on the part of the public. The Chicago Show is not a mere exhibit. It is the world's greatest automobile market yielding a tremendous volume of immediate sales.

That The Chicago Tribune is the one dominant medium to use on this critical occasion is manifested by the fact that the automobile industry spends more money for advertising in The Tribune than in the five other Chicago papers combined.

Hit hard in The Chicago Tribune during the Chicago Automobile Show and you will bowl over at one blow the manufacturer, the distributor, the dealer and the user.

The Chicago Tribune

THE WORLD'S GREATEST NEWSPAPER

512 Fifth Avenue, New York — Tribune Building, Chicago — Haas Building, Los Angeles

Resort Advertising Inspires Vacationists

BALTIMOREANS are fond of diversion. Vacations and pleasure trips are to a considerable extent as popular with them in winter as in summer.

It is not surprising, then, that when the NEWS and AMERICAN published their special Resort and Travel numbers in the early summer and at the beginning of the winter season in 1922, Baltimoreans found in them the inspiration and assistance they needed in formulating their pleasure-seeking plans.

And right there the Resort Bureau of the NEWS and AMERICAN took up the idea. These Resort sections were published in booklet form, and through promotional advertising that started even before the special sections appeared, the Resort Bureau was kept busy answering inquiries and requests for literature as well as giving information concerning vacation centers.

Thus, in rendering this twofold service, the NEWS and AMERICAN have demonstrated again their buying power and their selling power in the Baltimore territory—carrying a volume of 143,917 lines of Resort, Hotel and Travel advertising in 1922 against 128,324 lines in 1921. This increasing lineage reflects steadily more satisfactory experience with elements of high buying power—another index of NEWS and AMERICAN value to the general national advertiser

THE BALTIMORE NEWS
Evening, Daily And Sunday.

The Baltimore American
Morning, Daily And Sunday.

DAN A. CARROLL
Eastern Representative
150 Nassau Street
New York

Frank A. Webb
Advertising Manager

J. E. LUTZ
Western Representative
Tower Bldg.
Chicago

Here is an issue for every progressive among us whether in politics or not.
(*from an editorial*)

YOUR CHILD is being cheated unless he gets the kind of education that will give him a fair chance when he begins active life. "A School Where They Hate to Quit," is the first of a series about pioneer schools with something better than the old system. Your child has a right to *better* education, not merely more of it.

In more than a million homes every week Collier's is read by intelligent men and women who want to know how they may help make their country a better place to live in. These millions of Collier's thoughtful readers are a powerful force in America's daily life, as an increasing number of important advertisers are learning each week.

Collier's
THE NATIONAL WEEKLY
in more than a million homes

The Crowell Publishing Company
381 Fourth Avenue,
New York, N. Y.

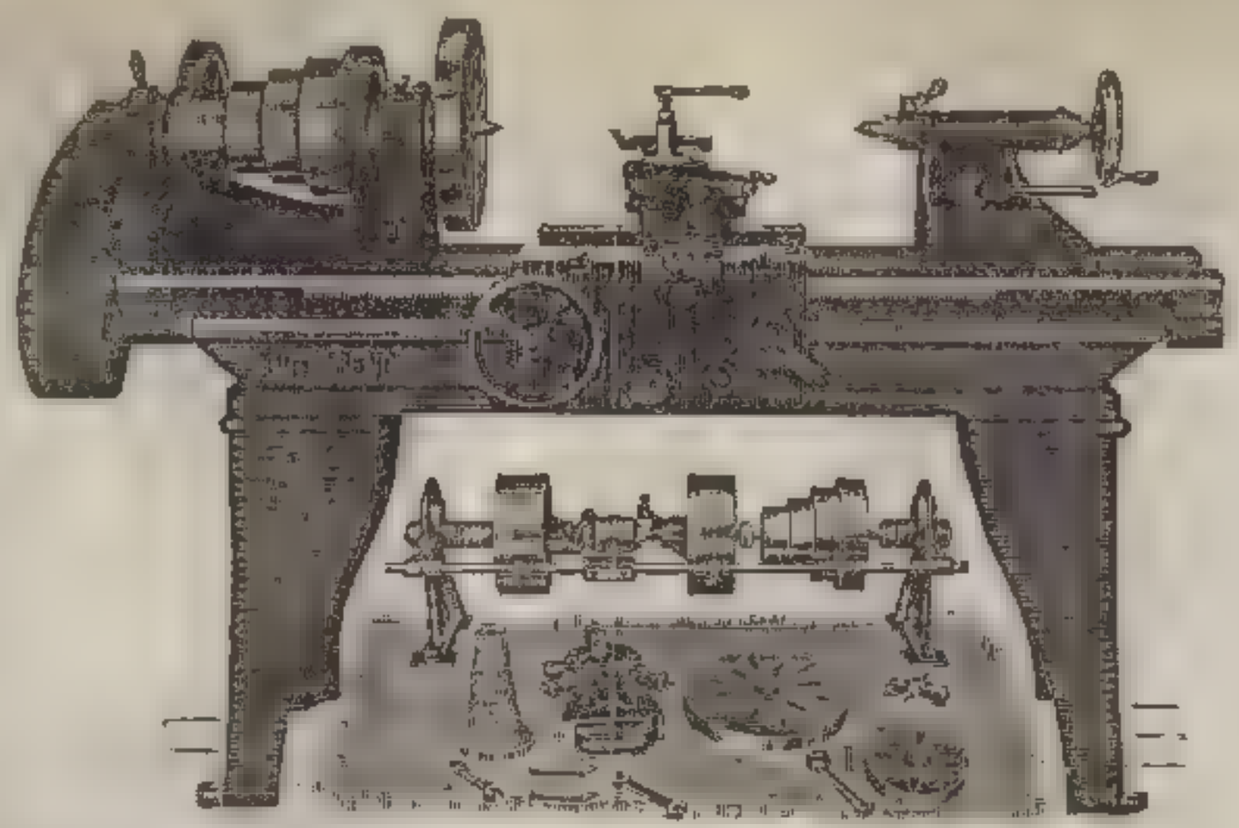
LATHES

SOUTH BEND

FOR GARAGES, MACHINE SHOPS AND GENERAL ALL AROUND WORK

Graduation. Compound Rest **Graduated in Degrees.** Cross Feed Screw has Micrometer Graduated Collar Reading in **One-thousandths** of an inch.

Equipment as Shown in Cut is Included in the Price and Consists of Large and Small Face Plates Compound Rest, Two Steel Centers, Center Rest, follower Rest, Change Gears, Adjustable Stop for Screw Cutting, a Set of Feed Gears, Gear Guards, Necessary Wrenches and Double Friction Countershaft.



Bed is Rigid, Cross Ribbed by Heavy Box Braces Cast in at Short Intervals its Entire Length; has Three V's and One Flat Way for Front Beraing of Head Stock; Tail Stock and Carriage. The Rack Attached is of Steel Cut From the Solid Bar.

Head Stock is Equipped with **Improved Reverse.** Spindle Cone has Four Steps. Spindle is of Carbon Steel Accurately Ground, Centers are No. 3 Morse Taper. Bearings are the Best Phosphor Bronze with Ample Oiling Facilities, and are Adjustable for Wear.

Carriage is Strong, with Wide Deep Bridge; has T Slots for Clamping work for Milling and **Boring.** Both Automatic Cross Feed and Automatic Longitudinal Feed are Operated from the Front of Apron and but One Feed at a Time can be Engaged. Both Feeds are Driven by a Splined Screw and Worm so that the Thread of the lead Screw is **used for Screw Cutting Only.**

Tail Stock is Off-set to Allow Compound Rest to Swivel Parallel to Bed and is Provided with Set-over for Turning Taper. Tail Stock Center Self-ejecting.

Thread Cutting. Lathe is Indexed to cut Standard Threads From 4 to 40, Right or Left, Including 11½ Pipe Thread, and by Compounding the Gears Furnished Many Other Threads Can be cut.

Fitted with Automatic Longitudinal Feed, Automatic Cross Feed and Compound Rest

13-INCH SCREW CUTTING

Spindle Cone Belt	1½ Inches
Swing Over Bed	13¼ Inches
Swing Over Carriage	9 Inches
Hole through Spindle	¾ Inch
Diameter of Spindle Nose	1¾ Inches
Opening Tool Post	½x1⅛ Inches
Countershaft Speed	275 R.P.M

Nos.	†34C	†34D	†34E
Length of Bed, feet	6	7	8
Distance between Centers, inches	44	56	68
Weight Each, lbs.	1050	1100	1150
Each	**$538.00**	**558.00**	**586 00**

15-INCH SCREW CUTTING

Spindle Cone Belt	1¾ Inches
Swing Over Bed	15¼ Inches
Swing Over Carriage	10⅝ Inches
Hole through Spindle	1⅞ Inches
Diameter of Spindle Nose	2¼ Inches
Opening Tool Post	5/16x1¼ Inches
Countershaft Speed	250 R P.M

Nos.	†37C	†37D	†37E	†37G
Length of Bed, feet	6	7	8	10
Distance Between Centers, inches	40	52	64	88
Weight Each, lbs.	1425	1500	1650	1900
Each	**$640.00**	**668.00**	**694.00**	**756.00**

16-INCH SCREW CUTTING

Spindle Cone Belt	2 Inches
Swing Over Bed	16¼ Inches
Swing Over Carriage	11⅛ Inches
Hole Through Spindle	1⅝ Inches
Diameter of Spindle Nose	2⅜ Inches
Opening Tool Post	⅝x1⅜ Inches
Countershaft Speed	225 R.P.M.

Nos.	†40C	†40D	†40E	†40G	†40H
Length of Bed, ft.	6	7	8	10	12
Distance Between Centers, inches	36	48	60	84	108
Weight Each, lbs.	1700	1750	1825	2025	2250
Each	**$714.00**	**742 00**	**770 00**	**824.00**	**906.00**

18-INCH SCREW CUTTING

Spindle Cone Belt	2½ Inches
Swing Over Bed	18¼ Inches
Swing Over Carriage	13⅛ Inches
Hole Through Spindle	1⅜ Inches
Diameter of Spindle Nose	2⅜ Inches
Opening Tool Post	⅝x1⅜ Inches
Countershaft Speed	200 R.P.M

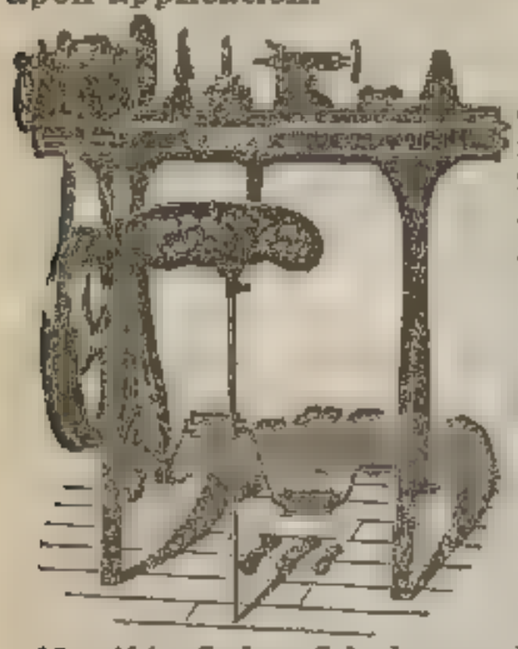
Nos.	†45C	†45D	†45E	†45G	†45H
Length, Bed, ft.	6	7	8	10	12
Distance between Centers, inches	31	43	55	79	103
Weight Each, lbs.	2250	2325	2450	2550	2750
Each	**$988 00**	**1024.00**	**1060.00**	**1182.00**	**1290 00**

Items Marked † Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory, South Bend, Ind.

SCREW CUTTING LATHES

BARNES

NOTE—Chucks are not included in prices as given on Screw Cutting Lathes. When Chucks are wanted always specify make and size wanted. An Extra Charge is made for fitting Chucks, which varies according to make and size. Prices for fitting given upon application.



FOOT POWER

Painted Black, Cast Iron Frame, Seat, Gear and Pulley Wheels; Gearing Cut from Solid Steel; Steel Shafts; Back Geared, Screw Cutting; Feeds Right or Left without Change of Gearing; Carriage is Adjustable for Taper Boring or Ball Turning; Carriage Gibbed to Take up Wear; The Tail Stock has Side Movement to Adjust Centers for Turning Tapers; the Head Stock has Hollow Spindle for Passing Rods through.

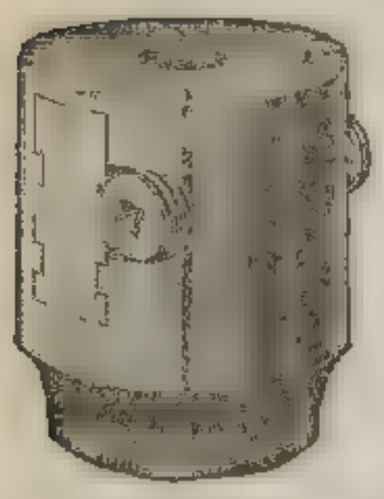
The Small Pulley on Cone is 2½ inches in Diameter; the Large Pulley 4½ inches; has Three Speeds, and is Suitably Arranged for Heavy or Light Work in Turning or Polishing.

Each

†No. 4½—Swings 9 inches on the Face Plate, 4¾ inches Over the Tool Carriage; the Head Stock Takes ⅝ inch Rod; Indexed for Threads 5 to 40; Each Height Over All 46 inches; Floor Space Required 24x42 inches; Distance Between Centers 25 inches; Weight Net 270 lbs.; Boxed for Shipment 340 lbs..... **$297 00**

One in a Box

DRILL CHUCKS



SKINNER

STANDARD IMPROVED PATTERN

Body is Made of a Special Grade of Steel and will not Break in Service. Face Plate adds to the Strength of the Body and Also Prevents Larger work than the Chuck is Designed for Being Used.

Jaws are of Tool Steel, Accurately Machined, Carefully Tempered, and Fitted to work Smoothly in the Body of the Chuck and on the Screws. Observe that the Jaws do not project through the Face Plate.

The Operating Screw—the Vital part—is Larger than that of Any Other Chuck of Like Capacity of this type, and is Made of a Special Analysis Tool Steel of Great Tensile and Torsional Strength. Hole in the Back of the Chuck is Tapered to Receive the Arbor.

All Parts are Interchangeable.

Nos.	43	45
Capacity, Inch	0 to ½	0 to 1
Diameter, Inches	2⅝	3⅞
Length, Inches	2 1⅜	4¼
Weight, Lbs.	2½	5
Each	**$23.00**	**32.50**

Loose

PRATT

WITH ARBOR

All Working Parts are Made from Tool Steel, Carefully Tempered to Prevent Wear; A Substantial Chuck for Blacksmith's Drill Presses. Arbors are Made with Shank ½ inch; 41/64 inch in Diameter 2¼ inches Long.

Nos.	13	14
Capacity, Inch	0 to ⅜	0 to ⅝
Diameter, Inches	2¼	3
Length, Inches	2⅞	2¾
Weight, Lbs.	[illegible]	5
Each	$16.50	17.60

Loose

PISTON CHUCKS

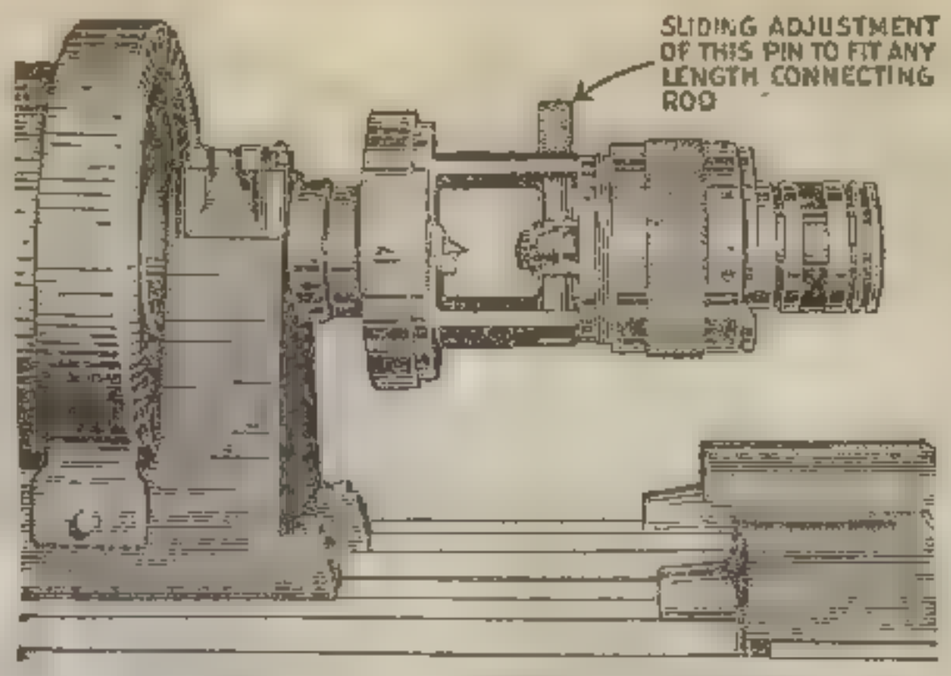


Illustration Shows Chuck Attached to Lathe When in Use.

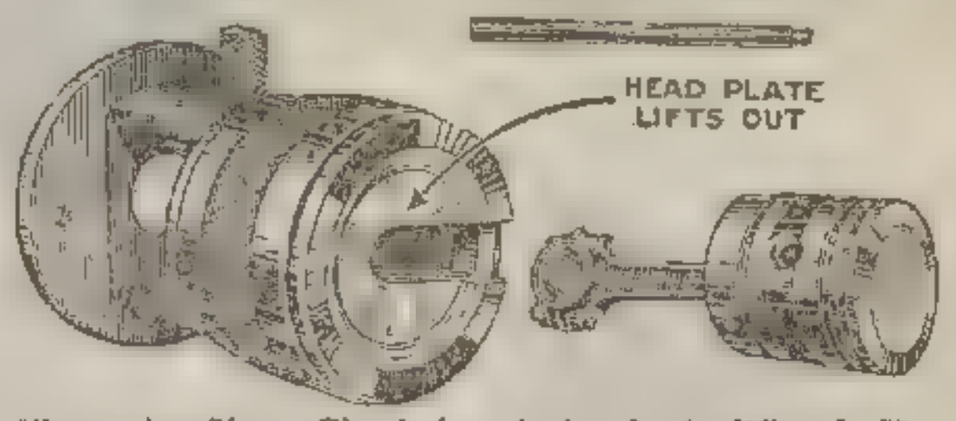


Illustration Shows Chuck Attached to Lathe When in Use.

For Truing Up Groves on Automobile Engine Pistons So that New Piston Rings Can be Replaced and Work Satisfactorily.

Eliminates the Expensive and Time Wasting Process of Removing Connecting Rod from Piston and Truing Each Piston Separately.

Will Hold Any Size Piston and Connecting Rod and in Addition is So Constructed that Rough Cast Pistons Can be Turned on it; Clamps on Face Plate, will Run Dead True; Made of High Grade Cast Iron.

Each

No. PC—Diameter Over all 7½ inches Length Over all 10 inches; Weight, Each 25 lbs..... **$50 00**

COUNTERSHAFTS

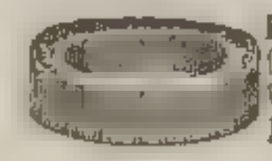
Nos.	†0	†1
Drive Pulley, Inches	10x5	12x4
Tight and Loose Pulleys, in.	8x5	6x4
Size of Shaft, Inches	1 7/16x27	1 3/16x22
Drop of Hanger, Inches	9	6
Weight, Each lbs.	100	60
Each	**$42.30**	**24 70**

One in a Case

Nos.	†1½	†2
Drive Pulley, Inches	11x3	9x2½
Tight and Loose Puleys, in.	5x3	4x2
Size of Shaft, inches	1x16	⅞x12
Drop of Hanger, in.	6	5
Weight, Each lbs.	45	30
Each	**$19.30**	**16.00**

One in a Case

GAUGE GLASS WASHERS



No. GGS—SQUARE

Diameter Inside, In.	½	⅝	¾
Diameter Outside, In.	⅞	⅞	1⅛
Wt. per Gross, ozs.	9	16	18
Per Gross	**$1.60**	**1.70**	**2.00**

Loose

No. GGR—ROUND

Diameter Inside, In.	½	⅝	¾
Diameter Outside, In.	11/16	¾	1⅛
Wt. per Gross, ozs.	10	14	16
Per Gross	**$1.20**	**1.20**	**1.20**

Loose

Items Marked † Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory

THE "Book" Paper OF BOSTON

Some Figures to Prove It

News Space

8 or more book pages each Saturday

2 or more book pages each Wednesday

1 or more columns of "Bookstall Gossip" each Monday and Thursday

Which is

3 or more times the amount of book news space in any other Boston paper

Advertising Space

2 times more book advertising in 1922 than any other Boston paper

3 times more retail store book advertising in 1922 than any other Boston paper

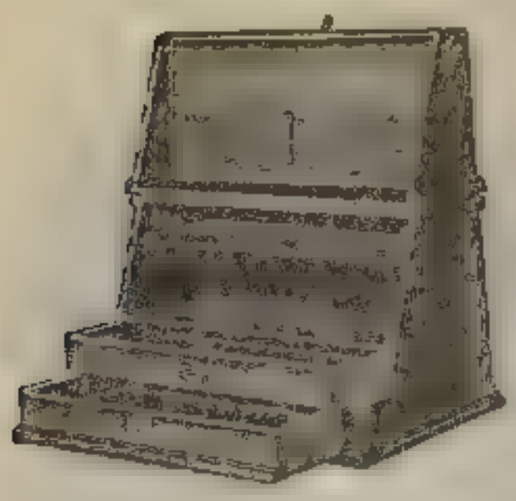
Boston Evening Transcript

National Advertising Representative

CHARLES H. EDDY COMPANY

NEW YORK CHICAGO BOSTON

TOOL CHESTS



Chest Open

Chest Closed

Selected Ash, Weathered Oak Finish Outside, Plain Smooth Finish Inside; Top, Bottom, Sides and Ends ⅞ inch thick; Drawers with ⅛ inch Front, ⅜ inch Sides and Bottom; Trays ⅜ inch Thick Strongly Made with Lock Joints; Top and Bottom Edges Protected and Decorated with Heavy Moulding, Reinforced with Metal Strip and Corner Plates; Heavy Iron Lifting Handles; Brass Drawer Pulls and Hinges; Brass Lock.

A Hinged Receptacle in the Cover is Arranged for Placing Tools on Inner Side and Saws on Outside; Behind this the Inner Side of Lid is Arranged for Holding Chisels, etc.

MACHINISTS

Reinforced with Brass Side Strips and Corner Plates, with Three Drawers and One Shelf.

Each

†No. 9—24 inches Long; 12 inches Wide; 12 inches Deep. Weight Crated 56 lbs. $36 50

One in a Crate

CARPENTERS

With Tray

Selected and Thoroughly Seasoned Ash, **Weathered Oak Finish;** Strongly Built, with Blind Dovetail or Lock Joint Corners; Nicely Trimmed with Mitered Mouldings on Cover and Base.

Heavy Malleable Iron; Japanned Lifting Handles; Brass Hinges and Key Plate.

Made of ⅞-Inch Lumber

Nos.	48	49	†50
Length, inches	20	24	31
Width, inches	9	12	16
Depth, inches	8½	10	9½
Weight Crated, lbs.	30	40	50
Each	$16 00	20.00	23.00

One in a Crate

Selected Basswood Chest; Stained Black and Varnished; Complete with Leather Handle, Brass Clasps, Brass Lock and Key, Brass Corners, Saw Rack, Hooks for Brace and Coping Saw, and Wooden Button for Try Square.

Each

No. 1004½—Inside Dimensions—Length 33 inches; Height 15¾ inches; Width 5 inches. Will take 28-inch Rip Saw, and a Square with 12 inch Tongue. Weight 10 lbs. $25 50

Loose

Items Marked † Not Carried in Stock; Can Only be Furnished by Shipping Direct From Factory.

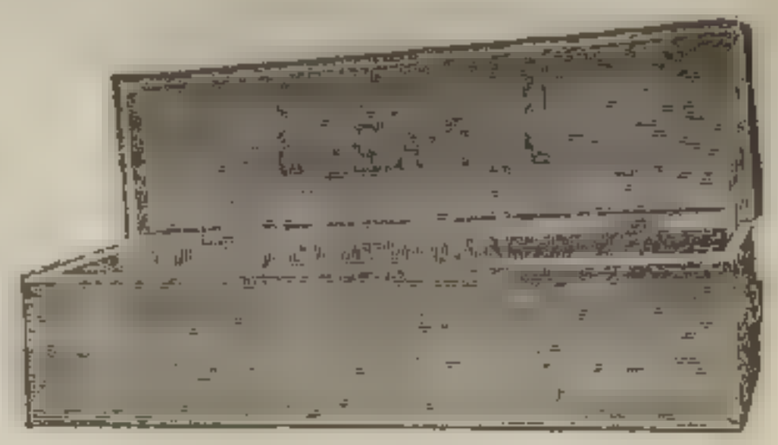
TOOL CHESTS

Varnished, Selected Chestnut Chest. Trimmed with Metal Corners; Upper Corners Solid Brass; Lower Corners Brass Plated; Brass Plated End Handles. Leather Handle on Top for Hand Carrying Brass Plated Suit Case Clasp and Strap Hinges Provided with Lock and Key; Will Accommodate Saws up to 28 inches

Each

No. 25—Inside Dimensions: Length 33 inches; Height 8 inches; Width 8 inches; Weight 12 lbs. $20.00

Loose



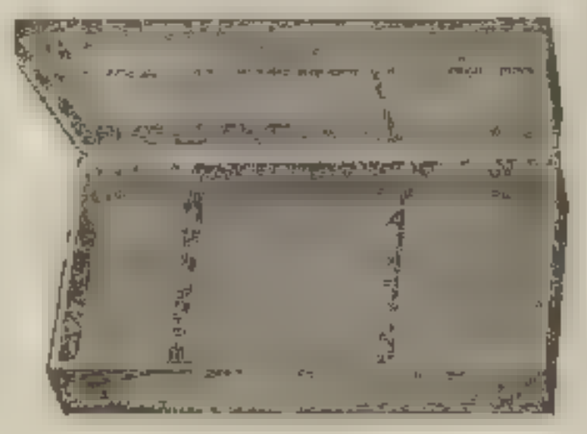
Varnished, Selected Chestnut Chest; Dovetailed Corners; Completewith Black Enameled Side Handles; Brass Hinges; Lock and Key; Rack for Holding Saw, up to 28 inches.

Each

No. 20—Inside Dimensions; Length 33 inches Height 8 inches; Width 8 inches; Weight 11 lbs. $17.00

Loose

BRACE AND BIT BOXES



Selected and Thoroughly Seasoned Ash; Weathered Oak Finish Outside; Plain Smooth Finish Inside; Brass Hinges and Hook and Eye; Holds Brace and from 8 to 12 Assorted Auger Bits

Box Only, without Tools

Each

No. BB—Length 10½ inches, Width 7½ inches, Depth 3 inches, Inside Measurements; Weight per Dozen 33 lbs. $1.30

Loose

MASONS TOOL BAGS

18 oz. Duck; Lock Stitched; 12 Gauge Steel Frame; Genuine Russet Leather Handle, Buckle Pieces and Billets; Fitted with Lock and Key; Bottom Lined with Waterproof Binders Board.

Sewed to Frame with 52 Stitches per inch; Large Inside Pocket for Small Tools; Cannot Rip.

Per Dozen

No. 25—18 inches Long, 4½ inches Wide, 15 inches High; Weight per Dozen 35 lbs. $66 50

No. 26—20 inches Long 4½ inches Wide, 17 inches High; Weight per Dozen 43 lbs. 73 00

No. 27—22 inches Long, 6½ inches Wide, 17 inches High; Weight per Dozen 50 lbs. 79.70

One Dozen in a Burlap Bundle

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE.

AUTOMOBILE TOOL KITS

★DIAMOND EDGE

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE

Each

No. DE65—Contains 31 Highest Grade Tools, with Other Neesessary Articles as Listed Below; In 16x45 inch Canvas Roll; Weight 18 lbs.....**$31.00**

Contents of Roll

DIAMOND EDGE Tools

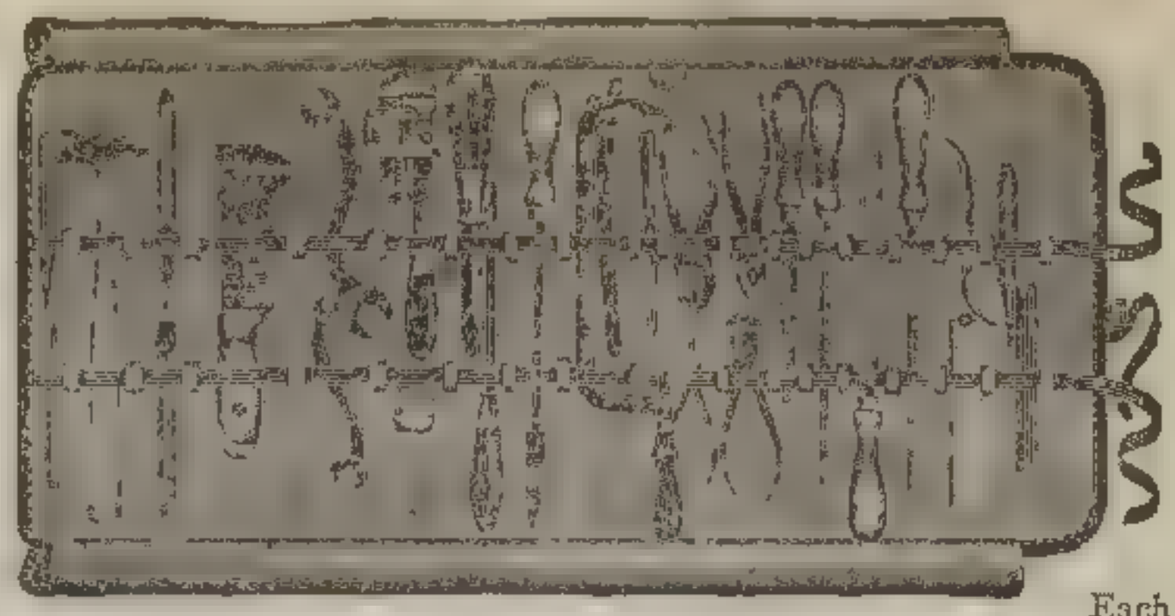
1 Ball Pein Hammer No. DB2/0.
1 Awl and Tools No. DE50
1 Side Cutting Pliers, No. DE35, 7 inch.
1 Flat Nose Pliers, No. DE10, 5 inch.
1 Hack Saw No. DE65
1 Hack Saw Blade No. DER, 10 inch.
1 Screw Driver No. DEM4½.
1 Screw Driver No. DER6.
1 Machine Wrench No. 675B.
1 Machine Wrench No. 677B.
1 Flat Bastard File, No. DE, 8 inch, with Handle.
1 Half-round Bastard File, No. DE, 8 inch, with Handle.
1 Square Bastard File, No. DE, 8 inch, with Handle.
1 Round Bastard File, No. DE, 8 inch, with Handle.
1 Warding File No. DE, 5 inch, with Handle.
1 Cold Chisel No. DEX½.
1 Cold Chisel No. DEX¾.
1 Machine Punch No. DE1.
1 Machine Punch No. DE3.
1 Machine Punch No. DE5
1 Knife Handle Wrench No. DEK10, 10 inch.
1 Polished Center Punch No. DEC
2 Sheets *DIAMOND EDGE* Emery Paper No. DE½
2 Sheets *DIAMOND EDGE* Sand Paper No DE1.
1 Stillson Pipe Wrench, 10 inch, No. DEX10.
1 Boxwood Rule No. 781.
2 Sticks Solder.
1 ¼ pound Spool Copper Wire No. 18.
1 Soldering Copper, 1 pound, Handled.
1 Cotter Pin Extractor No. 237.
1 Cotter Pin Extractor No. 236.
1 Set (3) Journal Scrapers No. 77.
1 Box (100) Assorted Spring Cotters.
1 Cape Chisel ¼ inch.

OUR MAIL ORDER DEPARTMENT WILL SUPPLY YOUR IMMEDIATE WANTS PERFECTLY AND VERY SPEEDILY.

AUTOMOBILE TOOL KITS

★BRIDGE

Bridge TRADE MARK



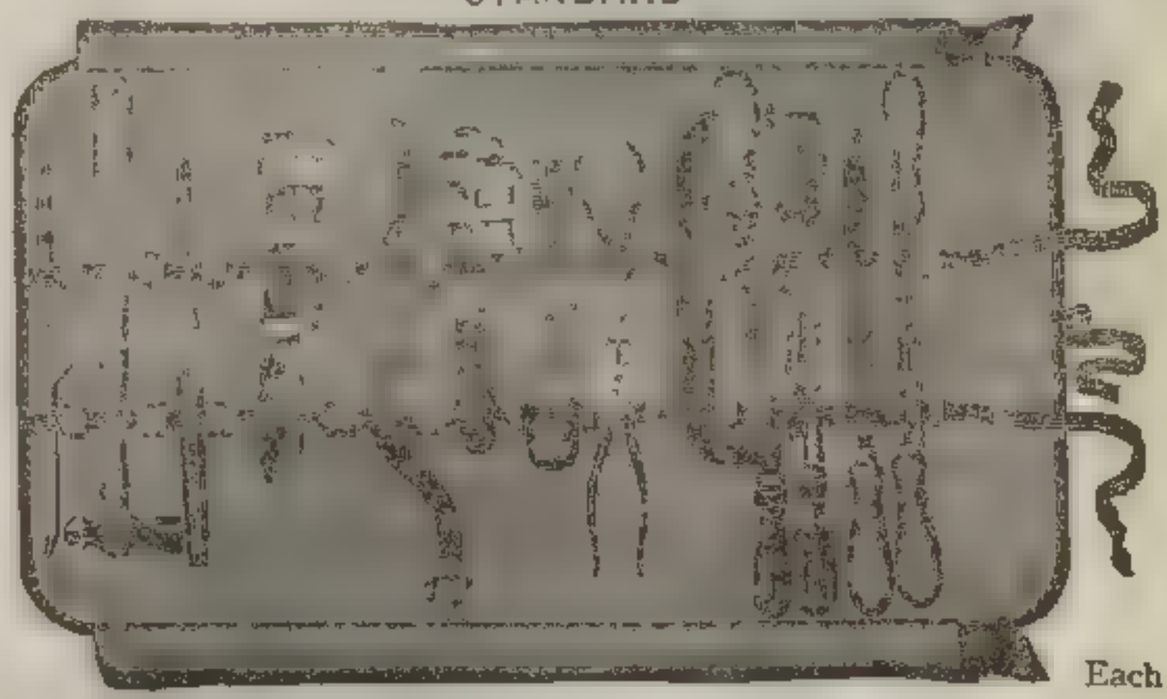
Each

No. B95—Contains 27 High Grade Tools, with Other Necessary Articles as Listed Below; In 16x36 inch Canvas Roll; Weight 15 lbs.....**$22.00**

Contents of Roll

1 Bridge Machinists' Ball Pein Hammer No. BB2/0.
1 Bridge Side Cutting Plier No. B35, 7 inch.
1 Flat Nose Plier No. B10, 5 inch
1 Combination Plier No. BN6.
1 Bridge Hack Saw Frame No. B10
1 End Cutting Nippers No. DE20, 6 inch.
1 Bridge Screw Driver No. BR6
1 Bridge Flat Bastard File, 8 inch, with Handle.
1 Square Bastard File, 8 in., with Handle.
1 Round Bastard File, 8 inch, with Handle
1 Warding File, 5 in., with Handle
1 Cold Chisel No. B, ⅝ inch.
1 Bridge Drive Punch No. B1.
1 Bridge Drive Punch No. B3.
1 Bridge Center Punch No. BC.
1 Bridge Wrench, No. BA10 10in.
1 *DIAMOND EDGE* Screw Driver No. DEM4½
2 Sheets Emery Paper No. ½
2 Sheets Sand Paper No 1.
2 Hack Saw Blades No. BR, 8 in
1 Stillson Pipe Wrench, No. DEX10 10 inch.
1 Wrench, No. X675B.
1 Wrench, No. X679B.
1 Boxwood Rule No. 651B.
1 Cotter Pin Extractor No. 237.
1 Cape Chisel, ¼ inch.
1 Journal Scraper, No. 77.
1 Soldering Copper, 1 pound, with Handle.
2 Sticks Solder
1 Spool ¼ lb. Copper Wire No. 18
1 Box (100) Assorted Spring Cotters

STANDARD



Each

No. 85—Contains 22 High Grade Tools, with Other Necessary Articles, in 17x37 inch Canvas Roll; Weight 12 lbs.....**$17.50**

Contents of Roll

1 Bridge Screw Driver No. BR6.
1 *DIAMOND EDGE* Screw Driver No. DEM4½.
1 Wrench No. X675B.
1 Wrench No. X679B.
1 Bridge Wrench, No. BA10, 10 in.
1 Stillson Pipe Wrench, 10 inch
1 Mill Bastard File, 8 inch, with Handle.
1 Square Bastard File, 8 inch, with Handle.
1 Bridge Cold Chisel No. B, ¾ inch.
1 Bridge Center Punch No. BC.
2 Sheets Emery Paper No. ½.
2 Sheets Sand Paper No. 1.
1 Round File, 8 inch, with Handle
1 Bridge Warding File, 5 inch, with Handle.
1 Bridge Machinists' Ball Pein Hammer No. BB2/0.
1 Cold Chisel No. B, ½ inch.
1 Boxwood Rule No. 651B.
1 Spool ¼ lb. Copper Wire No. 18,
1 No. B8 Bridge Hack Saw Frame.
1 Bridge Hack Saw Blade BR. 8 in.
1 Cotter Pin Extractor No. 237.
1 Bridge Flat Nose Pliers, 5 inch. No. BX10.
1 Bridge Side-cutting Pliers No. B35, 5 inch
1 Bridge Drive Punch No. B1.
1 Bridge Drive Punch No. B3.

CALENDARS

Each year we send out the Charles Francis Press calendar, and the distribution for 1923 has now been completed.

We find that a few hundred calendars are left over, and these will be sent to responsible business houses on written request.

Charles Francis Press

Printing Crafts Building *Telephone Longacre 2320*

461 Eighth Avenue, New York City

They Use The News Exclusively in Detroit

164 Prominent National Advertisers Profit by the example of many local merchants and use The News, alone, in Detroit.

(Partial List, Lack of Space Prohibits Publication of Entire List)

Auto Strop Razors
Air-Way Electric Cleaners
Allen-A Hosiery
Anona Cheese
Ansco Films
Burton Mattresses
Crystal White Soap
California Fruit Growers' Association.
Clicquot Club Ginger Ale
Coty (Perfumer)
Danish Pride Milk
Encyclopaedia Brittanica
Eastman Kodak Co.
Everwear Hosiery
Fuller Brushes
Foulds' Macaroni
Gargoyle Mobiloil
G. Washington Coffee
Glastonbury Underwear
Hotpoint Electrical Goods
H-O
Holland Furnace
Huyler's Candies
Houbigant Perfumes
I-H Flour
Java Face Powder
James S. Kirk & Co.
Kuppenheimer Clothing
Kyanize
Lipton's Tea
Luden's Cough Drops
Minute Coffee
Moxley Margarine
Mallory Hats
None Such Mince Meat
Noiseless Typewriter
Oh Henry
Pillsbury's Flour
Pompeian Olive Oil
Paris Garters
Palm Beach Suits
F. A. Patrick Woolen Mills
Ralston Purina
Redipoint Pencils
Rem
Rit
Shinola
Simmons Beds
Spanish Green Olives
Stanley Vacuum Bottles
Sanitol
Two-in-One Polish
Vanity Fair Underwear
Wenatchee Apples
Dr. West's Tooth Brush

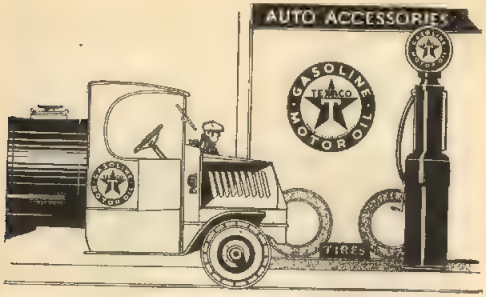
—and 109 Others

In 1922 The News carried more than 25,000,000 lines of paid advertising, which was 8.3% in excess of any other Detroit paper and third largest volume of all American newspapers. The News could have carried a much greater advertising lineage but for restrictions made necessary to enlarge the volume of news matter published. The News is now carrying over 50 columns of news matter per day as against a 60-column minimum in 1920 when this paper was the largest carrier of advertising in the country.

The Detroit News

Greatest Circulation Daily and Sunday in Michigan

"Always in the Lead"



This "Good-Ad" Sign is not only used on dealers' windows, but also on the pumps, trucks and tanks of the Texas Co.

"Good-Ad" Signs
of
DECALCOMANIE
that *"Goes on Forever"*

—because of its strength and excellent texture, serves many manufacturers for various distinct purposes.

There is a triple use for the *"Good-Ad" Sign* that emphasizes the economy of its use. The same sign may be used on—

1. *The Dealers' windows.*
2. *Sides of trucks and wagons.*
3. *Outdoor display boards or display racks inside the store.*

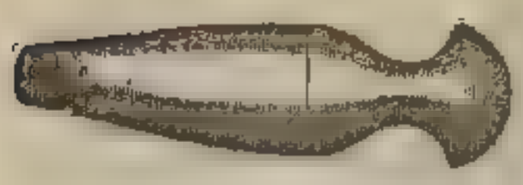
One appropriation thus serves several purposes, resulting in further economy of time and money—making more significant the long proven superiority of DECALCOMANIE TRANSFERS.

Send for actual Decalcomanie samples to try—also, for illustrated literature and details of non-obligating, free sketch offer.

We have some particularly interesting information for advertising agents

PALM, FECHTELER & CO.
Decalcomanie Pioneers
67 Fifth Avenue, New York
Representatives in all principal cities

AWL HANDLES OR HAFTS



STANDARD
For Sewing Awls

The Awl is Held or Released by Screwing the Steel Cap on or off the Chuck; the Wrench is Used to Tighten or Start the Cap.

Per Dozen

No. 6½—Patent; Applewood; Steel Chuck and Nut; Length 4⅛ inches; with Wrench; Weight per Dozen 1¼ lbs..... **$3.00**
Half Dozen in a Box

STANDARD
For Peg Awls

The Awl is Held or Released by Screwing the Steel Cap on or off the Chuck; the Wrench is Used to Tighten or Start the Cap.

Per Dozen

No. 6—Patent; Hickory; Leather Head; Steel Chuck and Nut; Length 3¾ inches; with Wrench; Weight per Dozen 2 lbs..... **$2.00**
One Dozen in a Box

HANDLED SCRATCH AWLS

★ DIAMOND EDGE

Highly Polished Steel Blade; Black Rubberoid Finished Hardwood Handle; Wrought Steel Ferrule.

Per Dozen

No. DE4—4¼x⅛-inch Blade; Length Over All 8 inches; Weight per Dozen, 1⅓ lbs..... **$3.25**
One Dozen in a Box

★BRIDGE

Per Dozen

No. B10—Assorted 4¾ to 5 inch Blades; ⅛ inch Polished Hardened Steel Wire Blade; Polished Brass Ferrule; Varnished Hardwood Handle; 3 inches Long; Weight per Dozen, 1¼ lbs..... **$2.00**
One Dozen in a Box

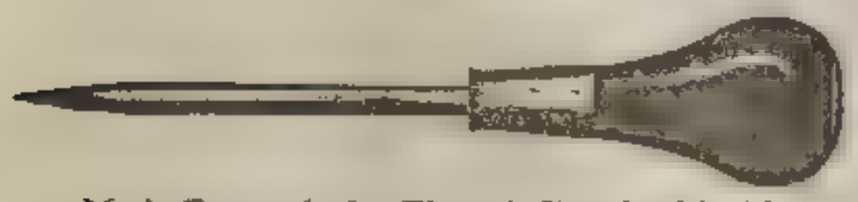
Steel Socket

Extra Strong

Per Dozen

No. 1—5¾ inch Blade; Length Over All 7 inches; Polished Cast Steel Blade and Socket; Hardwood Varnished Handle; Weight per Dozen 2 lbs..... **$6.70**

TINNERS AWLS



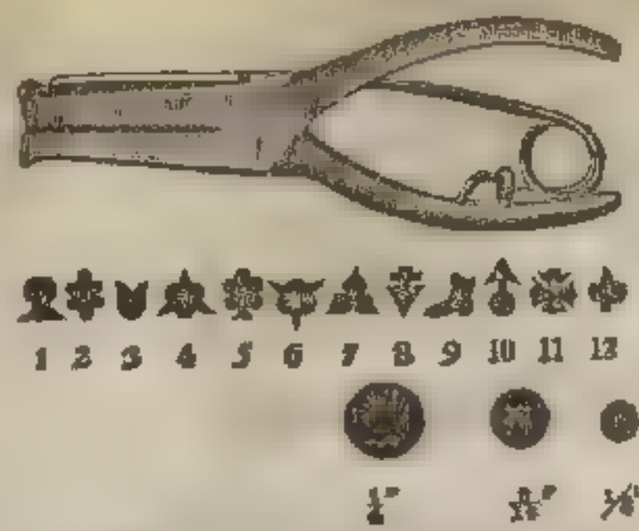
STANDARD
Extra Heavy

Made Expressly for Tinner's Use, for Marking and Punching Holes in Heavy Sheet Steel and Tin; the Tang Extends Through the Handle and Has a Round Countersunk Head, which Protects the Handle from the Blow of the Mallet; Guaranteed not to Break nor Turn on Shank; Impossible to Split Handle by Hammering on Head.

Per Dozen

No. T18—Blade 3¾x5-16 inch; Length Over All 7½ inches; Highly Polished, Cast Steel Hardened Blade; Heavy Polished Steel Ferrule; Black Rubberoid Finished Hardwood Handle; Weight per Dozen, 3½ lbs..... **$5.50**
Half Dozen in a Box

TICKET PUNCHES

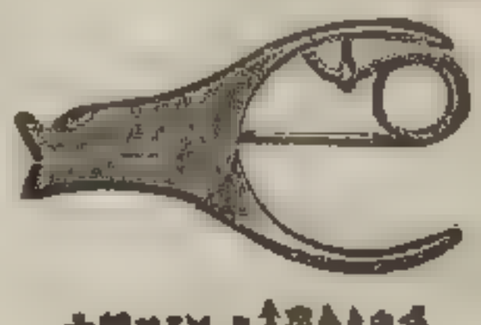


KRAEUTER

Especially Adapted for Punching Bonds, Etc. Highest Grade Steel Dies, Both Hardened and Tempered. Punch is Extra Wide at the Bottom of the Slot, so that in Cutting Many Thickness of Paper The Punch is not Sprung. Full Nickel Plated and Highly Polished, Coiled Tempered Steel Wire Spring.

Per Doezn

No. 2570—2 inch Slot; Length Over All 6 inches, Weight per Dozen, 7 lbs..... **$33 40**
Half Dozen in a Box



Open Sight; Especially Adapted for Conductors' Use; Highest Grade Tool Steel Punches and Dies, Hardened and Tempered; Full Nickel Plated and Highly Polished; Coiled Tempered Steel Wire Spring.

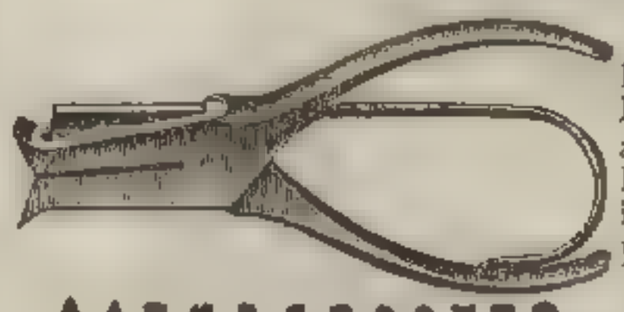
Per Dozen

No. 2591—1 inch Slot; Length Over All 5 inches; Dies Assorted Fancy Designs; Nickel Plated; Weight per Dozen, 3¼ lbs... **$21.40**
Half Dozen in a Box

Especially Adapted for use in Restaurants, At Card Parties Etc; Highest Grade Tool Steel Punches and Dies, Hardened and Tempered; Full Nickel Plated and Highly Polished

Per Dozen

No. 2500—1 inch Slot; Length over all 5 inches Flat Steel Bowed Spring; Tempered Flat Steel Ticket Remover; Weight per Dozen, 3½ lbs..... **$10.20**
Half Dozen in a Box



Especially Adapted for use in Restaurants, Card Parties, Etc. Highest Grade Tool Steel Punches and Dies, Hardened and Tempered; Full Nickel Plated and Highly Polished

Per Dozen

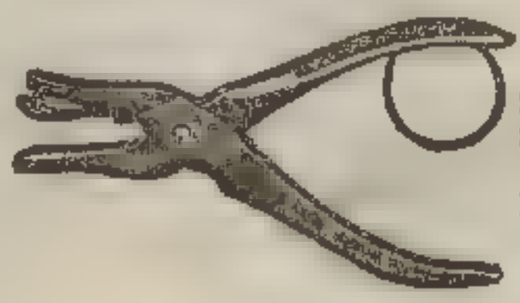
No. 2200—¾ inch Slot; Length over all 4½ inches; Nickel Plated Brass, Round Steel Bowed Spring; Weight per Dozen 2⅞ lbs..... **$16.70**
Half Dozen in a Box

RESERVOIR

Nickel Plated and Polished Stamped Steel Frame; Knurled Handles; Tempered Steel Plunger; Wire Spring and Ticket Remover.

Per Dozen

No. 260—With Resevoir; 1 inch Slot, Length Over All 5 inches; the Reservoir Retains the Clippings, Preventing their Scattering Over the Floor; Reservoir is Held Closed by a Spring, Weight per Dozen 3½ lbs..... **$7.20**
Half Dozen in a Box



PARAGON

Nickel Plated and Polished Stamped Steel Frame; Knurled Handles; Tempered Steel Plunger; Wire Spring and Ticket Remover. Per Dozen

No. 250—1 inch Slot; Length Over All 5 inches; Assorted Fancy Dies Tempered Flat Steel Ticket Remover; Weight per Dozen 2 lbs. **$6.00**
Half Dozen in a Box

TORO

Bright Stamped Steel Frame; Plain Smooth Handles; Tempered Steel Plunger and Wire Spring.

Per Dozen

No. 150—1 inch Slot; Length Over All 5 inches; ⅛ Round Dies Weight per Dozen 2 lbs ... **$3 50**
Half Dozen in a Box

1,836,568

LONDON
Daily Mail
NET SALES

London, England.
20th January, 1923.

We certify that the average *net daily sale* of "The Daily Mail" after deducting all unsold or free copies whatsoever for the periods set out below was as follows:—

For the month ended

31st January,	1922	1,532,709
28th February,	"	1,620,277
31st March,	"	1,669,414
30th April,	"	1,702,694
31st May,	"	1,755,498
30th June,	"	1,817,947
31st July,	"	1,867,797
31st August,	"	1,910,117
30th September,	"	1,907,335
31st October,	"	1,907,955
30th November,	"	1,869,250
31st December,	"	1,836,568

LEVER, HONEYMAN & CO.,
Chartered Accountants
E. LAYTON BENNETT, SONS & CO.,
Chartered Accountants.

A Pleasant Duty

TO make the ultimate consumer realize that advertised goods are products used by so many that the cost is reduced to all—

TO emphasize always that advertised goods are superior products that have borne the test of pitiless publicity—

THIS is a social economic duty which it is our pleasure to perform well.

A "Radio Message for 1923" will be mailed to any interested advertiser. It also tells our views on Radio as an advertising medium

WM. H.
RANKIN
COMPANY *Advertising*

NEW YORK · CHICAGO · SAN FRANCISCO
AKRON, O. WASHINGTON, D. C. TORONTO, CANADA

ASSOCIATED WITH CHAS. F. HIGHAM, LTD., LONDON, ENGLAND

The Most Complete New England Coverage Ever Offered to Advertisers

Over 500,000 Net Paid Every Sunday

February Average

507,610

(Net Paid)

BOSTON SUNDAY ADVERTISER

If you have New England distribution or if you want New England distribution backed by the largest possible circulation, you can get maximum coverage with the Boston Sunday Advertiser's Half-Million circulation every Sunday.

Booklet showing complete distribution by population centres forwarded on request.

Address Kendall B. Cressey, General Manager, Boston Advertiser, Boston, Mass.

This Is Motor-Boat-Show Week

THE Annual Motor Boat Show is running this week at the Grand Central Palace. If you haven't been there yet don't neglect to run up and look it over before it closes Saturday night

You'll enjoy the fine boats and engines exhibited. You'll be impressed by the size and activity of this industry. Perhaps you'll get an idea of a big market you've overlooked.

The popularity of boating is growing tremendously. Its importance as a national recreation and as an industry may be judged from the success of the magazines devoted to the subject.

For example, the February issue of MoToR BoatinG contains 220 pages, with over 172 pages of advertising. The March issue has 106 pages of advertising. During 1922 MoToR BoatinG averaged over 82 pages of advertising per issue, against 75 pages per issue for 1921. Other magazines in this field average 50 to 60 pages of advertising per issue.

Boating is growing and MoToR BoatinG is growing. Its circulation is the largest—nearly double that of other boating magazines. As the foremost magazine in the marine field MoToR BoatinG offers you the opportunity to cover a rich and growing market with peculiar effectiveness.

May we tell you about this market?

MOTOR BOATING

119 West 40th Street, New York

Complete Advertising Service—

How Prosperous Is Milwaukee-Wisconsin?

These facts for 1922 concerning Milwaukee-Wisconsin are given by the Babson Statistical organization in a recent supplement—and offer proof of this great market's prosperity—

Number of Wage Earners
263,949

Number of Manufacturing Establishments
10,393

Annual Payroll
$290,440,561

Value of Products—1922
$1,846,984,307

Value Added by Manufacturer
$719,709,346

The number of industrial workers in Milwaukee at present is 32% greater than a year ago.

Wisconsin farmers got $269,264,000.00 for their 1922 crop—an increase of 20% or almost $54,000,000.00 over the previous year.

Milwaukee-Wisconsin is a territory of unusual financial resources and stabilized buying power. It has always maintained its steady, normal prosperity even when waves of business depression affected other parts of the national market.

Milwaukee-Wisconsin is most economical for advertising effort. With the Journal alone, you can reach 4 out of every 5 English-reading families in Milwaukee—and at the same time relay your advertising message to the buyers in Wisconsin's most important sales centers—a half million daily readers.

The Milwaukee JOURNAL
***FIRST*- by Merit**

Rotogravure—Color—Black and White

SIOUX CITY

IS

First in Iowa

AS A

LIVESTOCK CENTER

Over $86,000,000 were paid during 1922 on the Sioux City market to Farmers for livestock.

Cultivate the BEST market in the BEST state.

Be sure to use the Tribune. Most advertisers use it exclusively. All evening city carrier and larger country circulation.

The Sioux City Tribune

"More than a Newspaper"

WILLIAMS, LAWRENCE & CRESMER COMPANY
Representatives
NEW YORK CHICAGO SAN FRANCISCO LOS ANGELES

In Sioux City it's the Territory

RECORDS BROKEN
PRECEDENTS PASSED!

The American Weekly

Has Passed the

4,000,000

Mark in

Circulation

That's food for thought and action—on your part.

Every week more than four million people buy it, and more than sixteen million read it and buy *from* it.

Its rates are lowest, its reach unlimited and its results unbeaten.

Send your message to the multitude, via this medium of magnitude.

RATES ON REQUEST

AMERICAN WEEKLY, Inc.
A. J. Kobler, Mgr.
1834 Broadway, New York

If you want to see the color of their money, use COLOR—A.J.K.

Over $2,000,000,000 *More*

Cotton and Cotton Seed represent 30.6% of the two billion dollars *increase* in value of the nation's main crops in 1922 over 1921. A greater increase than any other crop—corn, or wheat and oats combined.

Product	1921 Value	1922 Value		Increase over 1921
Cotton & Seed	**$ 746,862,000**	**$ 1,368,517,000**	**or**	**$ 621,655,000 More**
Corn	1,297,213,000	1,900,287,000	or	603,074,000 More
Wheat & Oats	1,080,788,000	1,342,867,000	or	261,899,000 More
Other Grains	166,938,000	244,853,000	or	77,915,000 More
Hay & Clover Seed	1,116,047,000	1,350,584,000	or	234,537,000 More
Tobacco	212,728,000	306,162,000	or	93,434,000 More
All Fruits	286,525,000	358,899,000	or	72,374,000 More
Sorghums & Maple Syrups	50,780,000	86,750,000	or	35,970,000 More
Beans	24,390,000	44,429,000	or	20,039,000 More
Broom Corn	2,758,000	7,614,000	or	4,856,000 More
Totals	$4,985,047,000	$7,010,791,000	or	$2,025,744,000 More

Figures from U. S. Govt. Reports.

SOUTHERN RURALIST has 23% more circulation in the Cotton States than any other farm paper in the world.

SOUTHERN RURALIST

SUPREME IN THE SOUTH

ATLANTA, GA.

Rate $2.00 per line *Circulation over 425,000 Paid*

Baltimore Women Favor Independent Political Thought

EVER since Lady Baltimore cast her first ballot in 1920 and began to make her power felt in civic affairs, her leaning toward independence in political opinion has well-nigh upset the shrewdest calculations of party "bosses" on both sides.

In keeping in touch with the great, live issues of the day, in forming her political decisions, she has learned to rely upon the newspapers that she knows to be independent in political thought and fearless in political action — the papers that are committed to no interests except the best good of Baltimore and her people — the NEWS and AMERICAN.

It is these papers, going into the worth while homes of Baltimore — and reaching practically all of them every day — that are read through and through by the women in these homes.

Yes, Baltimore women read a whole lot more in the NEWS and AMERICAN in addition to the columns of political news and comment. They follow closely the pages that are devoted solely to their interests, as the BUYERS in their homes they are particularly attracted to the advertising columns of their favorite papers. It is the close reader contact that the national advertiser finds so valuable in his NEWS and AMERICAN campaigns.

THE BALTIMORE NEWS
Evening, Daily And Sunday.

The Baltimore American
Morning, Daily And Sunday.

DAN A. CARROLL
Eastern Representative
150 Nassau Street
New York

Frank A. Webb
Advertising Manager

J. E. LUTZ
Western Representative
Tower Bldg.
Chicago

17 *Features in this Week's Issue*

Blood of the Conquerors — *By William Allen White*

What Do These Senators Want? — *By George Creel*
An interview with the spokesman of the farm bloc

Who Wants to be a Rich Man's Son? — *By William Hard*
An interview with A. D. Lasker

Where Daredevils Play it Safe — *By Steve Hannagan*
An object lesson for heedless motorists

The Little Man of Paradise — *A story by Frederick R. Bechdoldt*

The Dull Gold Circlet — *A story by Gertrude Pahlow*

The Swamp Angel — *A serial story by Richard Connell*

You and Your Town — *By Frederick F. Van de Water*

More Platform Letters
Some of the hundreds of letters from Collier's readers on a Platform for Industrial Peace

Chicago Never Hurt Me — *By David William Moore*

Cutting the Red Tape of the Law — *By Phyllis Perlman*

When Riley Discovered Tarkington — *By Fred C. Kelly*

Uncle Henry *on* The Outskirts of History

The Horizon Page — The Live Letter Office

Collier's Editorials — Cartoon by J. N. Darling

Collier's
THE NATIONAL WEEKLY

in more than a million homes

The Crowell Publishing Company
381 Fourth Avenue,
New York, N. Y.

Co-operation in Educational Advertising

SCHOOLS, colleges and many other educational institutions throughout the eastern section of the United States have found valuable assistance in the NEWS and AMERICAN way of handling Educational advertising.

To reach practically all of the worth while homes in Baltimore and vicinity through the special Educational Numbers, which were published at the beginning of the fall and winter semesters, was mighty productive in itself.

But the Educational Bureau of the NEWS and AMERICAN went farther than that. Reducing the special section, with its many interesting articles on educational subjects to booklet form, they invited inquiries concerning schools and colleges from prospective students, through intensive promotional advertising in their own columns (note typical copy above) mailed out the booklet upon request, classified the thousands of inquiries received and turned them over to the institutions that had advertised with them.

Co-operation? Yes, and the schools recognize the value of it, having used 51,522 lines of advertising in 1922 against 46,253 lines in 1921.

Wouldn't it be a wise business investment to let the NEWS and AMERICAN tell of your product in these thousands of buying homes that they reach in and near Baltimore?

THE BALTIMORE NEWS
Evening. Daily And Sunday.

The Baltimore American
Morning. Daily And Sunday.

DAN A. CARROLL
Eastern Representative
150 Nassau Street
New York

Howard A. Webb
Advertising Manager

J. E. LUTZ
Western Representative
Tower Bldg.
Chicago

In this article you will find the thing Collier's has called "the raw material for thought and action." It is typical of Collier's method which is to go there, get the facts, write them clearly and hit hard—and always on the side of sincere and sane progress.

In more than a million homes every week men and women read Collier's with a warm, personal interest because it tells people not what to think, but what to think about; because it seeks not to make up people's minds but to shake up people's minds.

These millions of Collier's thoughtful readers are a powerful force in American life, as an increasing number of important advertisers are learning each week.

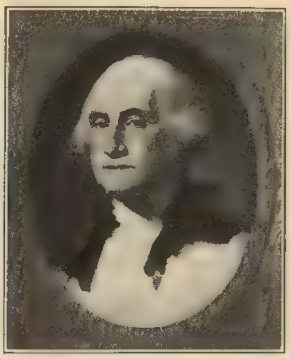
Collier's

THE NATIONAL WEEKLY

in more than a million homes

The Crowell Publishing Company

381 Fourth Avenue,
New York, N. Y.



Are You Like Washington?

IN 1773, when George Washington wanted to sell his twenty thousand acres of land in the region of the Ohio, he proclaimed the fact by an eight-inch single column advertisement in the first issue of the Maryland Journal and Advertiser, the immediate predecessor of the BALTIMORE AMERICAN.

To back up his sales argument, he opined that "it may not be amiss further to observe that if the scheme for establishing a new government on the Ohio in the manner talked of should ever be effected, these must be among the most valuable lands in it."

In those days, Baltimore was a "mere village." Now it is the great eastern port and center of distribution for those cities teeming with mighty industries that have risen in the vast area that Washington once owned, and its surrounding territory in the Middle West—cities and industries that radiate their products into all parts of the world.

Are you like Washington—have you something "out West" to sell? The successor of his advertising medium, the AMERICAN, with its afternoon associate, the NEWS, can put the story of your product into practically every worth while home in and near Baltimore—and at a combination rate for 1,000 lines or more, of 30 cents daily, Sunday, 35 cents; Sunday American rotogravure 35 cents per line flat.

THE BALTIMORE NEWS
Evening. Daily And Sunday.

The Baltimore American
Morning. Daily And Sunday.

DAN A. CARROLL
Eastern Representative
150 Nassau Street
New York

Howard A. Wood
Advertising Manager

J. E. LUTZ
Western Representative
Tower Bldg.
Chicago

HUNDREDS of letters from Collier's readers have gone into the making of William G. Shepherd's article on inheritance. You can see in those he quotes the kind of private thinking that multiplies itself into the greatest power in the world—public opinion.

EVEN SPORTS can be humdrum to the humdrum player. For the others, Walter Camp says that Coué's famous formula has its application to games. He tells some amazing things that happened when famous athletes used their imaginations.

In more than a million homes every week men and women who lead interesting and *interested* lives welcome Collier's because it helps them to a fresh perspective on the great affairs and events about them. The minds of these millions are alert and open to receive your message through Collier's advertising pages.

Collier's

THE NATIONAL WEEKLY

in more than a million homes

The Crowell Publishing Company

381 Fourth Avenue,
New York, N. Y.

Baltimore Churches Believe in Advertising

BALTIMORE is a city of churches that believe in advertising. They find that it pays.

Baltimore churchgoers have learned to depend on the NEWS and AMERICAN each week for the advertising news of their churches. For the NEWS was one of the very first papers in the United States to develop religious advertising on a big scale, putting Baltimore a step or so ahead of other cities in the reader interest that has been created in this important field.

During 1922, the NEWS and AMERICAN published 172,559 lines of religious advertising a gain of 15,170 lines over the year 1921—a showing that classes these papers among the first in the country for volume of religious advertising.

The papers that have trained their readers to depend on their religious advertising have taught them to depend on them for all other advertising, too. And readers know that the advertising accepted and published by these papers can be relied upon.

It is that sort of reader faith in the NEWS and AMERICAN that makes their columns such a profitable investment for the national advertisers.

THE BALTIMORE NEWS
Evening. Daily And Sunday.

The Baltimore American
Morning. Daily And Sunday.

DAN A. CARROLL
Eastern Representative
150 Nassau Street
New York

Frank A. Webb
Advertising Manager

J. E. LUTZ
Western Representative
Tower Bldg.
Chicago

In Baltimore the Sunpapers Carried Over Six Million Lines of Classified in 1922 - - - - (A Gain Over 1921 of 328,491.)

The papers that people run to with the news of the birth of a potential President—or the sad news of the loss of a loved one; the papers that had to devote over six million lines to Baltimore's "classified" story—there's a lesson in that for "display advertisers."

Everything in Baltimore Revolves Around

THE SUN

MORNING EVENING SUNDAY

JOHN B. WOODWARD
Times Bldg., New York

GUY S. OSBORN
Tribune Bldg., Chicago

preferable, in advertising Timken Roller Bearings, to such trite headlines as "Are You Expert at Driving Your Car?" or "Do You Steer Professionally?" There is such a difference in the way thoughts are worded!

It has been said that headlines can be created, so strong in their imaginative qualities, that art work is unnecessary. They are pictures in themselves.

Very often a catch-phrase is responsible for the success of an advertising campaign, representing, in itself, as has been suggested, a selling argument as potent as pages of descriptive copy.

Perfection Motor car heaters, for making automobiles comfortable in winter, employ a phrase which possesses the peculiar quality of instantly impressing the reader. This combination of words is: "The Heat Is There—Why Not Use It?" These eight words represent a quiet, well-mannered reproach. An attachment makes it possible for you to save lost heat actually generated by your own motor. Why not be comfortable? Why not be comfortable at zero, if you can be, so easily?

Building headlines or catch phrases represents one of the most important phases of advertising. Words and ideas should be weighed carefully, and the most gotten out of them.

A. H. Oman Returns to S. C. Beckwith

A. H. Oman, formerly with the Philadelphia *Inquirer* and the S. C. Beckwith Special Agency, newspaper advertising, has returned to the Beckwith organization.

William M. Baldwin Joins Chicago Agency

William M Baldwin, recently with the advertising department of the Pierce-Arrow Motor Car Company, Buffalo, has joined Henri, Hurst & McDonald, Chicago advertising agency.

Boston Globe First

During 1922 **the total number of Real Estate advertisements** printed in Boston papers having Daily and Sunday editions was

GLOBE 92,009
Second paper . 20,934

Write to Advertising Manager, Boston Globe, for information about the Boston territory.

The Globe Should Be First on Your Boston List

inspiring a pictorial theme which formed an important tie-up unit.

This phrase, to be used throughout the year, is, "Shake Hands with Health Every Day." The same idea could have been expressed as follows:

"Prunes Eaten Every Day Improve Health."

"A Daily Diet of Prunes Is Healthful."

"Eat Prunes Daily and Be Healthy."

But when a headline suggests that you can "shake hands" with Health, the conventional message is delivered in a far more modern and sprightly manner.

When Fab, with an illustration of many little children, in neat woolen garments, playing under big trees, employs the caption: "Babes in the Wools," the public senses at once an ingenious paraphrasing of a popular and well-known nursery story title.

The United States Cartridge Company believes that the very life of firearms depends to a great extent upon the ammunition used, and the basic thought to get across, therefore, was the connecting link between good ammunition and the vigor of the rifle or shotgun. Sportsmen would be inclined to display more interest in this blend of ideas than in a mere praise of the ammunition alone.

How would you express this thought? Are these suggestions powerful enough:

"The Right Ammunition Protects the Rifle."

"Firearms Given Longer Life Through Use of Quality Ammunition."

"Guns Kept in Good Condition by Best Cartridges."

Such headlines or catch-phrases would certainly tell the story and have nothing against them, but do they represent the most original and striking interpretation of the thought, for a wide-awake audience? This advertiser went a step further, and finally selected the far more spirited wording: "They Keep Your Rifle Young!"

"Are You a 'Nice-Steerer'" is

ATTENTION
SALES & ADV.
EXECUTIVES!

READY FOR
DISTRIBUTION—
—CATALOG OF

450
SALES
CARTOONS

A BOOK FULL OF SALES ACTION INSPIRATION — 450 CARTOON PICTURE TALKS—SOLD IN ELECTRO FORM FOR SALES LITERATURE USE —A MOST COMPLETE SALES CARTOON SERVICE

PRICE $1.00
TO BE CREDITED ON FIRST ORDER

FRANK W. HOPKINS, INC.
670 RUSH STREET, CHICAGO

At your Service

Moving Pictures

That Reach the Masses

BOSWORTH, DE FRENES & FELTON
PRODUCERS AND DISTRIBUTORS
WILKES-BARRE, PA.

—and in 1922

The Second Peak

During 1921 The Boston Herald carried more national advertising in its daily editions than any other American newspaper. During 1922 it has not only continued that leadership, but has, we believe, also carried more national advertising in its daily and Sunday editions than any other seven-day American newspaper.

Its unquestioned twofold leadership among Boston newspapers is demonstrated by the following report of lineage, from figures furnished by the Boston Newspapers' Statistical Bureau:

First in National Advertising
Daily Newspapers

Herald	3,200,680 lines
Post	2,796,963 lines
Transcript	2,188,092 lines
Globe	1,729,754 lines
American	1,420,795 lines

First in National Advertising
Daily and Sunday Newspapers

Herald	4,114,174 lines
Post	4,064,214 lines
Globe	2,340,476 lines
Advertiser	1,414,840 lines

The Boston Herald

Now First in National Advertising

Both Daily and Daily and Sunday

The Herald Is First or Second in Practically Every Classification of Display Advertising

We operate America's most versatile and effective sales service department. If you have merchandising problems in Boston, probably we can help you.

Boston!

"Boston? We recently increased our sales 550% there and in the entire New England territory, by a short selling campaign of three weeks. And I'd suggest that any sales manager who has his doubts about that part of the country get on the ground and find out the facts, like I did. Don't judge Boston by hearsay, or by prejudice."

This observation on the part of Mr. Sydney S. Goldberg, sales manager of Scotts Preparations, New York City, is one that applies to Boston precisely.

(Reprinted from "Sales Management," January, 1923)

This selling campaign was backed by intelligent advertising which ran exclusively in the Boston Herald and Traveler. Have you a Boston sales problem we can help you solve?

BOSTON HERALD-TRAVELER

1922

A YEAR OF ACHIEVEMENT FOR THE BUFFALO TIMES

FIRST IN
TOTAL PAID DISPLAY
Exclusive of Classified

	LINES
TIMES	**9,355,514**
NEWS	9,249,758
COURIER	5,873,028
EXPRESS	4,743,116
ENQUIRER	1,821,498
COMMERCIAL	1,502,424

FIRST IN
DEPARTMENT STORE ADVERTISING

	LINES
TIMES	**2,596,622**
NEWS	2,168,684
COURIER	887,530
EXPRESS	612,038
COMMERCIAL	59,598
ENQUIRER	4,298

FIRST IN
AUTO ADVERTISING

	LINES
TIMES	**610,778**
EXPRESS	527,184
COURIER	394,212
NEWS	303,212
COMMERCIAL	102,494
ENQUIRER	49,980

FIRST IN
ROTO ADVERTISING

	LINES
TIMES	**104,440**
COURIER	100,268
EXPRESS	90,048
NEWS, ENQUIRER, COMMERCIAL	No Roto Sections

Times, Courier & Express, seven issues a week. News, Enquirer & Commercial, six.

The BUFFALO TIMES, Inc.

NORMAN E. MACK, PRESIDENT, EDITOR AND PUBLISHER

NEW YORK CHICAGO — VERREE & CONKLIN, Inc. National Representative — DETROIT SAN FRANCISCO

"BUFFALO IS A TWO-PAPER CITY"

The Squirrels Are Looking For Him!

Any newspaper man who claims that Buffalo can be covered by one newspaper needs protection not only from these little animals but from his own fevered imagination.

Here Are The Facts:

The American Association of Advertising Agencies gives 4.1 persons to a family. The 1920 census gave Buffalo 568,000, about 124,000 families. Conservative estimates and building reports show an increase of from 10,000 to 15,000 families since 1920, which are verified by the official Housing and Population Figures for Buffalo as furnished by the Department of Health

Number of homes in Buffalo, 100,000.
Single houses about 70,000, No. of families 70,000
Double houses about 28,000, No. of families 56,000
Apartment and tenement houses about 2,000
Number of families, estimated..... 12,000

Total number of families in Buffalo.....138,000

Official Washington U. S. Census reports show less than 4,000 families in Buffalo in which English is not habitually used for reading and writing 4,000

English reading families in Buffalo.....134,000

The Buffalo Evening Times is now selling over 60,000 papers daily in the City of Buffalo alone. Take the A. B. C circulation of any other Buffalo newspaper and figure for yourself how any newspaper can cover even 50% of Buffalo alone.

Boy! Page the Keeper from the Booby Hatch and prepare the padded room for the Buffalo one-paper man.

The BUFFALO TIMES Inc.

NORMAN E. MACK, President and Editor

National Representative

VERREE & CONKLIN

New York Chicago Detroit San Francisco

Circulation Facts

There is ONLY ONE Chicago afternoon newspaper that has a circulation of more than 400,000—

The Chicago Evening American.

And there's nothing "approximate" about it.

Its A. B. C. circulation.

Your selling effort is concentrated principally on people under forty and those who THINK under forty.

The Chicago Evening American is made to order for them.

CHICAGO EVENING AMERICAN

A *Good* Newspaper

Merchandising Service in Chicago

The logical place to go for effective merchandising service is to the newspaper whose advertising leadership in its community gives it greatest influence with dealers. In Chicago that newspaper is The Daily News.

Cooperation of the dealer is easily secured by The Chicago Daily News because it means to him a repetition of merchandising success that has so consistently increased his profits.

It is the routine of good business with him. He knows The Chicago Daily News is as distinctly a part of his business as his own show window—that his customers habitually shop through it.

The day after day, year after year, advertising leadership of The Daily News in Chicago has established it in the minds of Chicago people as the great shopping medium—the market directory of Chicago, through which they buy and upon which they depend to keep up-to-date regarding desirable merchandise.

Accordingly, the first step in merchandising in Chicago is use of The Daily News' advertising columns.

The second is use of The Daily News' merchandising service.

THE CHICAGO DAILY NEWS

***First* in Chicago**

CHICAGO DAILY JOURNAL

FOUNDED 1844

Oldest Daily Newspaper in the Middlewest

announce the appointment of

C. D. BERTOLET

as

FOREIGN ADVERTISING REPRESENTATIVE

Effective March 1st, 1923

C. D. BERTOLET
Chicago
30 No. Dearborn St

OSCAR DAVIES
Kansas City, Mo.
Victor Bldg

HAMMOND & WOLCOTT
New York
366 Fifth Avenue

A. J. NORRIS HILL
San Francisco
Hearst Bldg

FIRST ROCHESTER SUNDAY AMERICAN

Swings into the lead in eight short months. Now increasing that lead a thousand a week.

OVER
65,000
NET PAID
OR
45%
Larger than when rate was made.

Circles show exact relative sizes of circulation Sunday.

G. LOGAN PAYNE, Western Rep., Tower Bldg., Chicago; Kresge Bldg., Detroit; Carleton Bldg., St. Louis; Security Bldg., Los Angeles.

PAYNE, BURNS & SMITH, Eastern Rep., Fifth Avenue Bldg., N. Y., and 100 Boylston Street, Boston.

Building Bigger Business in Chicago

is a "business" with The Chicago Daily News. Its success in this direction is amply attested by the growth in Chicago of those business enterprises that place the preponderance of their advertising in The Daily News.

The indubitable testimony of authoritative figures establishes The Chicago Daily News not only as the most **efficient** but, in many instances, the **sufficient** medium for covering Chicago and its suburbs and "building bigger business" therein.

The following statistics, issued by the Advertising Record Co., an independent audit bureau maintained by all the Chicago newspapers, show the distribution of display advertising among Chicago daily newspapers from January 1 to December 31, 1922:

	LINES	COMPARISON LINES
The Chicago Daily News	**13,779,569**	**13,779,569**
The Daily Tribune	**10,525,259**	**10,525,259**
The American	**8,064,865**	
The Daily Herald-Examiner	**4,232,869**	
The Post	**4,446,923**	
The Journal	**4,270,771**	
The Daily News' excess over the next highest score, that of The Daily Tribune	***3,254,310***	

Those who purpose to *"build bigger business in Chicago"* may well follow the lead of experienced and successful advertisers and advertise first of all in

The Chicago Daily News

FIRST in Chicago

cost of production farm incomes

debt, except for productive purposes, is another. Co-operative marketing of major crops where feasible is a third.

Each of these three objectives is essential to the stabilization of farm incomes from year-to-year. And stable incomes will eliminate the ups-and-downs of the farm market for manufactured goods of every kind.

Compare such a workable "grass-roots" editorial program with a "sow-in-the-spring, harvest-in-the-fall" farm paper editorial policy. Is it any wonder that readers of The Oklahoma Farmer-Stockman cling to the farm paper that constantly demonstrates its adaptability to their problems and its ability to help increase their profits?

Isn't this a vital point for Oklahoma farm paper advertisers to consider?

The OKLAHOMA FARMER-STOCKMAN

CARL WILLIAMS
Editor

Edgar T. Bell, Adv. Mgr. Oklahoma City, Okla.

THE OKLAHOMA PUBLISHING CO.
THE OKLAHOMAN & TIMES—RETAIL SELLING

E. KATZ SPECIAL ADVERTISING AGENCY
New York Chicago Kansas City Atlanta San Francisco

Lineage—Lowest Rate

One of the "400"

There are only three afternoon newspapers in America with circulations in excess of 400,000—one in New York, one in Philadelphia—and

The Chicago Evening American.

Average daily net - paid circulation for February 426,324.

Speaking of coverage!

CHICAGO EVENING AMERICAN

A *Good* Newspaper

Another Smashing Gain

Lineage figures covering total display advertising in Chicago newspapers during February tell another interesting story for national advertisers.

The Chicago Evening American's lineage gain for February, 1923, as against February, 1922, was 30.2%. The other leading afternoon newspaper gained 14.4%.

Which shows the way the advertising wind is blowing in Chicago.

CHICAGO EVENING AMERICAN

A *Good* Newspaper

The Largest Farm Paper

Breeders of Pure-Bred Cattle Read The Farm Journal

Frank K Nelson.

Breeder of Red Polls; Director of the Red Poll Cattle Club of America; Director, Secretary and Treasurer of the Ohio Red Poll Breeders Association; Secretary and Treasurer Ohio Good Roads Federation; Associate Editor Red Poll Journal; Member Farm Bureau, Grange, National Geographic Society, Luther Burbank Society and American Institute of Agriculture. His real sideline, however, is organizing Farm Bureaus. Just now he is "doing it" in Virginia.

It Pays and Proves It Pays

Miss Mary Bayne

(and 76,000 of her sisters)

They do say the Evening American is favored by the young woman who works.

Not surprising. Its youth, vigor and flashing spirit appeal strongly to their independence.

They like its dash, its aggressiveness, its "punch."

There are in the Loop alone 76,000 of Miss Bayne and her sisters. They earn $100,000,000 a year, and spend $30,000,000 of it on wearing apparel.

CHICAGO EVENING AMERICAN

A *Good* Newspaper

Youth Will Be Served!

(Even In Washing Machines)

The Chicago manager of a well known washing machine company has averaged the estimated age of his customers over a period of six months.

He finds that the average age of purchasers of washing machines is 33 years.

Something to think about for the manufacturer who has merchandise to sell to up-and-coming families, and not to those who have about finished the race.

The Chicago Evening American is the favorite newspaper of Chicagoans under forty—the aggressive and not-to-be-denied youth of the second greatest market in the United States.

CHICAGO EVENING AMERICAN

Youth Still Calls

Manufacturers who sell chiefly to people under forty (and most of them do), should remember that in Chicago, The Chicago Evening American is the favorite newspaper of this group.

It is made for them

Its "dress," its treatment of news and features—from cover to cover it expresses the spirit and ideas of vigorous, fearless youth.

CHICAGO EVENING AMERICAN

A GOOD NEWSPAPER

Is The Chicago Evening Post *On Your Schedule?*

It Should Be

If you are advertising an article that appeals to the higher intelligence or the more capable pocketbook.

This is demonstrated by the fact that it has for a number of years carried more business from several lines of high grade advertising than any other Chicago evening paper, such as passenger automobiles, electric automobiles, motor trucks, financial, railroads, music and musicians, insurance, etc.

Why not imagine that you are sending a personal representative to interview the prospective customers for your article? The *success* of your selling campaign would depend on the amount of sales as compared with the cost of calls, and it costs no more to call on a prospect financially able to become a customer than it does to call on one who has neither the money nor the ability to appreciate articles of merit. Would you send your salesmen to everyone listed in the Blue Book or would you attempt to cover the names in the City Directory? This is a fair comparison of THE CHICAGO EVENING POST, the class paper of Chicago, with the mass circulation papers.

The Shaffer Group

CHICAGO EVENING POST
INDIANAPOLIS STAR
LOUISVILLE HERALD
ROCKY MOUNTAIN NEWS
DENVER TIMES
MUNCIE STAR
TERRE HAUTE STAR

QUALITY PUBLICATIONS

The Chicago Evening Post

"Chicago's Best and Cleanest Paper"

THE FARM JOURNAL—1,150,000

A Self Starter of Maryland

Down in Wicomico County, Maryland, most farming improvements start with W. F. Allen, and what he starts he puts across. He first grew cantaloupes commercially—now they're all doing it, shipping 25 to 30 cars a day. The soil needed nitrogen, so Allen grew soy beans; now he's promoting a soy bean mill so all farmers can grow them profitably. Also he's testing varieties and methods.

A cotton seed mill was needed to make cotton profitable—Allen got one built. (He's agricultural director of the Salisbury Chamber of Commerce and makes it mean something.) Most of the time a dozen demonstrations are being carried on around Allen's farm—spraying, dusting, fertilizing, pruning, selection of seed, and other tests desired by the farm bureau.

Whatever he learns, he willingly passes on—and his neighbors believe him when he says it pays, for Allen has won a huge success in farming. He borrowed $15 to buy his first strawberry plants when a boy on his father's farm, 41 years ago. Six years later he started for himself on 50 acres, heavily mortgaged. Now he has 1,000 acres in orchards, crops and strawberry nurseries, conservatively valued at $100,000.

He believes that farming education pays. All his sons are college graduates and the three at home are better farmers for having the education.

Mr. Allen has been a reader of The Farm Journal for almost 40 years and says that he would give up a good deal before he'd let it go.

The Farm Journal

NEW YORK PHILADELPHIA CHICAGO

BELIEVED IN FOR 46 YEARS

Lincoln was Right

TAKE ADVERTISING VALUES for example. A newspaper might make a big showing in the circulation columns of the directories without indicating how the circulation was secured, or where it is, or what buying power it represents. Another might have voluminous Sunday editions, and practically no home circulation during the six business days of the week. Skillful presentation of the figures in both cases could make them more impressive than their true significance would justify. But

"You Can't Fool all the People all the Time"

The CINCINNATI TIMES-STAR daily, without Sunday editions, for fifteen consecutive years has gone into four of every five of the 141,000 homes in the city (40,000 of them owned by the families that occupy them) with an average of 6,273,153 lines of display advertising per year, being an excess of 1,362,626 lines per year over the second paper.

IN 1922 THE TIMES-STAR PUBLISHED

10,459,407

LINES OF DISPLAY ADVERTISING

Almost two million lines more than the second paper.

The TIMES-STAR not only dominates in high-class local advertising, but also in national advertising. It is the exclusive medium for one hundred and fifty national advertisers.

CINCINNATI TIMES-STAR

CHARLES P. TAFT, *Publisher* C. H. REMBOLD, *Manager*

Member of Audit Bureau of Circulations

150 National advertisers use it exclusively!

THE mere fact that advertisers use a newspaper means it is a good publication. But when they use it *exclusively*, it is proof that the paper is dominant and adequate in its field.

One hundred and fifty national advertisers use the CINCINNATI TIMES-STAR *exclusively* to reach the Cincinnati market. They have learned from experience that this means the most satisfactory results; for the TIMES-STAR delivers the full purchasing power of this market.

This exclusive preference of national advertisers is confirmed by all of the large local advertisers, who, though, of course, using all of the papers, accord the great bulk of their display advertising similarly to the TIMES-STAR!

Cover Cincinnati with *one cost* — in the TIMES-STAR!

CINCINNATI TIMES-STAR

CHARLES P. TAFT, *Publisher* C. H. REMBOLD, *Manager*

Member of Audit Bureau of Circulations

FIFTEEN YEARS
of
DOMINANT SUPREMACY

The uninterrupted, proven preference of advertisers, both local and national for the CINCINNATI TIMES-STAR was evidenced again in the year 1922 by

10,459,407 LINES OF DISPLAY ADVERTISING.

This is 1,921,031 lines more than the lineage published by the second paper, including both daily and Sunday editions—or six days against seven.

1921 was the banner year in the history of the TIMES-STAR, with 182,497 lines more than 1922. Yet this amount, by which the year just closed falls short of its 1921 record, is less than one-tenth of the amount by which it still leads its nearest competitor

The display advertising published by the TIMES-STAR in 1922 is

1,880,823 lines more than the largest amount ever published by any other paper in the city

8,578,584 lines having been published by the second paper in 1920.

That the dominant leadership of the TIMES-STAR is not temporary, accidental or fluctuating, but that it is continuous, progressive and permanent is proved by the display advertising space records for the past 15 years:

	TIMES-STAR Total Display Lines	EXCESS OVER Second Paper Lines	EXCESS OVER Third Paper Lines
Year 1922	10,459,407	1,921,031	3,949,463
Average 10 years	7,439,714	1,734,459	2,425,881
Average 15 years	6,273,153	1,362,626	1,941,186

CINCINNATI TIMES-STAR

CHARLES P. TAFT, *Publisher* C. H. REMBOLD, *Manager*

MEMBER AUDIT BUREAU OF CIRCULATIONS

During 1922

The Plain

FIRST

TOTAL Paid Advertising

During 1922 Cleveland newspapers published 42,258,846 lines of paid advertising—40.66 per cent of which appeared in THE PLAIN DEALER.

	Lines
THE PLAIN DEALER	17,182,578
The Press	12,785,808
The News and Sunday News-Leader	12,290,460

FIRST

WANT Advertising

During 1922 Cleveland's Want Advertising used 8,995,490 lines of space in Cleveland's newspapers—54.40 per cent of which appeared in THE PLAIN DEALER alone.

	Lines
THE PLAIN DEALER	4,893,910
The Press	2,623,096
The News and Sunday News-Leader	1,478,484
PLAIN DEALER'S excess over all, 1922	792,330
PLAIN DEALER'S excess over all, 1921	106,582
YEAR'S INCREASE in THE PLAIN DEALER'S excess over all	685,748

JOHN B. WOODWARD
810 Times Bldg.,
New York

The Plai

Cleveland's Greatest Salesm

Dealer was

FIRST

NATIONAL Advertising

During 1922 the National Advertisers used 7,124,614 lines of space in Cleveland newspapers—50.34 per cent of which appeared in THE PLAIN DEALER alone.

	Lines
THE PLAIN DEALER	3,586,646
The Press	1,559,628
The News and Sunday News-Leader	1,978,340
PLAIN DEALER'S excess over all	48,678

FIRST

CIRCULATION

DAILY 193,141
SUNDAY 222,217

The Plain Dealer's circulation represents the largest body of progressive, responsive readers ever assembled by a Cleveland newspaper. The unequaled buying power of this DOMINATING CIRCULATION makes

n Dealer

of ANY-priced Merchandise

WOODWARD & KELLY
811 Security Bldg., Chicago
Fine Arts Bldg., Detroit

A Rendezvous!

THE Classified Advertising pages of THE WORLD form a common meeting place for the man who has a post he wants filled and his neighbor who can fill it—the rendezvous of commerce.

THE WORLD printed 73,100 Help Wanted advertisements in November. The initiative in this instance coming from Capital, as representing the Employer, it is therefore assumed that Capital reads THE WORLD quite as closely as Labor, as representing the Employee.

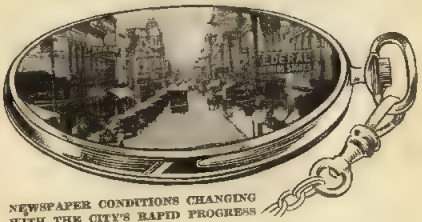
The four other morning and Sunday newspapers *combined* printed only 23,166 Help Wanted advertisements; THE WORLD'S lead over its nearest competitor was 61,739 advertisements.

Three-fourths of the task of filling the needs of New York's industries for adequate labor is performed single handed by

The World

MALLERS BUILDING CHICAGO | PULITZER BUILDING NEW YORK | FORD BUILDING DETROIT

Watch Charleston, S. C.



NEWSPAPER CONDITIONS CHANGING WITH THE CITY'S RAPID PROGRESS

The Charleston American

is now a PERRY-LLOYD JONES NEWSPAPER

With new features, better news service and a greater improved newspaper—the very best Charleston ever had—THE AMERICAN is today leading its morning rival by a conspicuous total, and the increase continues.

This preference was shown the last six months of 1922, when THE AMERICAN led the other morning paper by 239,344 lines local advertising and 15,344 lines of classified.

Total Lines of Local Display for 1922

Charleston American...	2,497,180
News & Courier.....	2,150,218
EXCESS—Charleston American...	346,962

Total Lines of Classified

Charleston American...	404,530
News & Courier.....	393,680
EXCESS—Charleston American...	10,850

The appeal behind THE CHARLESTON AMERICAN today is all that the most exacting critic could ask. Up-to-date, better every way, it is as good as any big daily anywhere.

The wise man reads the paper that leads.

Local advertising is an infallible guide to the purchasing power of a newspaper.

THE CHARLESTON AMERICAN

THE S. C. BECKWITH SPECIAL AGENCY
National Representatives

PERRY-LLOYD JONES NEWSPAPERS

Minneapolis, Minn., Daily News
Tulsa, Okla., Tribune
Jacksonville, Fla., Journal
Reading, Pa., News-Times
Pensacola, Fla., Journal
Charleston, S. C., American

THE CLEVELAND PRESS not only publishes more local business than any other Cleveland daily Newspaper but leads in every important local advertising classification.

In 1922 THE PRESS published more Hardware, Furnace and Stove advertising than The News and Daily Plain Dealer combined. Incidentally, this includes both foreign and local.

The figures for the entire year of 1922 are as follows:

THE PRESS .	**115,077 Lines**
Plain Dealer .	**61,488 "**
The News . .	**45,826 "**

Local merchants prefer THE PRESS because it thoroughly blankets and dominates the greater Cleveland market.

ALLIED NEWSPAPERS, INC.
Publishers' Direct Representatives
New York Chicago St. Louis Cincinnati Atlanta Cleveland San Francisco
Member Audit Bureau of Circulations

The Scripps-Howard Newspapers
Including the Scripps-McRae League

The CLEVELAND PRESS

DOMINATES GREATER CLEVELAND

THE PRESS regularly publishes more Men's Clothing advertising than either The News or daily Plain Dealer.

The figures for the entire year of 1922 are as follows:

THE PRESS	. .	**795,473 Lines**
Plain Dealer	. .	**652,259** "
The News	. .	**533,716** "

Not only is THE PRESS first in local advertising—the local merchant's first choice—but in total paid advertising as well. Here is conclusive, definite and authoritative proof of the complete local supremacy of THE PRESS.

79 Per Cent of THE PRESS total circulation of 182,548 is distributed in Greater Cleveland. It is significant that THE PRESS stands fourth in the entire country in the highly important factor of intensive coverage.

ALLIED NEWSPAPERS, INC.
Publishers Direct Representatives

New York Chicago St. Louis Atlanta Cincinnati Cleveland San Francisco

Member Audit Bureau of Circulations

The Scripps-Howard Newspapers
Including the Scripps-McRae League

The CLEVELAND PRESS

DOMINATES GREATER CLEVELAND

The Best Advertising Buy
In Cleveland Today—

The CLEVELAND PRESS

(1) With a local Net Paid Greater Cleveland circulation of 143,041, 36,440 more than The News and 30,904 more than the Daily Plain Dealer.

(2) Regularly publishes more local advertising than either The News or Daily Plain Dealer.

(3) Last year THE PRESS carried a larger volume of advertising, including all classifications, than either The News or Daily Plain Dealer.

Local merchants prefer THE PRESS, because it thoroughly blankets and dominates the Greater Cleveland market.

Year in and year out, advertisers indicate their abiding faith in THE PRESS by using more space in this great selling medium than in any other Cleveland daily newspaper—conclusive proof of the responsiveness of THE PRESS' circulation.

ALLIED NEWSPAPERS, INC.
Publishers Direct Representatives
New York Chicago Cincinnati San Francisco
St. Louis Atlanta Cleveland
Member Audit Bureau of Circulations

The Scripps-Howard Newspapers
Including the Scripps-McRae League
The CLEVELAND PRESS
DOMINATES GREATER CLEVELAND

AUGUSTUS THOMAS

WHEN Bronson Howard's "Saratoga" was produced in 1869, there was not a single American writer working exclusively for the theatre. Today, Augustus Thomas, with sixty plays to his credit, heads the list of native dramatists who have built an American drama and made our stage independent of European playwrights.

The story of these writers—Augustin Daly, Clyde Fitch, J. L. Williams, Charles Klein, Moody, Booth Tarkington, Eugene O'Neill, Rachel Crothers and others—is told by Brander Matthews and Clayton Hamilton in the March Mentor.

The Best Advertising Buy
In Cleveland Today—

The CLEVELAND PRESS

(1) With a local Net Paid Greater Cleveland circulation of 143,041, 36,440 more than The News and 30,904 more than the Daily Plain Dealer.

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The story of these writers—Augustin Daly, Clyde Fitch, J. L. Williams, Charles Klein, Moody, Booth Tarkington, Eugene O'Neill, Rachel Crothers and others—is told by Brander Matthews and Clayton Hamilton in the March Mentor.

THE CLEVELAND PRESS regularly publishes more piano and musical instrument advertising than any other Cleveland daily newspaper. The following figures show to just what extent THE PRESS exceeds in this quality class of advertising.

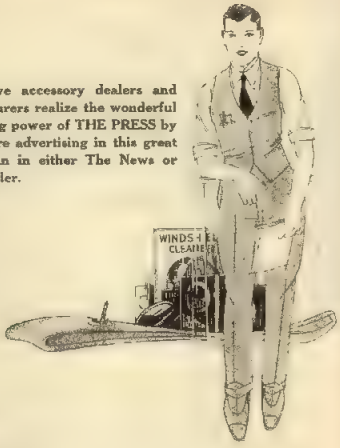
THE PRESS .	**421,060 Lines**
The News . .	**295,908 "**
Plain Dealer.	**216,465 "**

THE PRESS stands fourth of all daily newspapers in the point of concentrated circulation.

In fact, 79 per cent of THE PRESS total circulation of 182,548 is distributed in Greater Cleveland enabling discriminating advertisers everywhere to blanket this rich market with one newspaper.

ALLIED NEWSPAPERS, INC.
Publishers' Direct Representatives
New York Chicago St. Louis Atlanta Cincinnati Cleveland San Francisco
Member Audit Bureau of Circulations

The Scripps-Howard Newspapers
Including the Scripps-McRae League
The **CLEVELAND PRESS**
DOMINATES GREATER CLEVELAND



Automotive accessory dealers and manufacturers realize the wonderful purchasing power of THE PRESS by using more advertising in this great paper than in either The News or Plain Dealer.

The following daily figures for the entire year of 1922 indicate the advertisers preference in lines:

THE PRESS	98,012	Lines
Plain Dealer	69,215	"
The News	30,066	"

Moreover, THE PRESS carries more automobile tire advertising than The News or Daily Plain Dealer. This is conclusive proof and evidence of the advertisers' faith in THE PRESS as Cleveland's greatest daily newspaper.

ALLIED NEWSPAPERS, INC.

Publishers Direct Representatives

New York Chicago Cincinnati San Francisco
St. Louis Atlanta Cleveland

Member Audit Bureau of Circulations

The Scripps-Howard Newspapers
Including the Scripps-McRae League

THE CLEVELAND PRESS

DOMINATES GREATER CLEVELAND

Vital Advertising Lesson Taught by Wireless ~

The great broadcasting stations send out their messages to half the world, but these messages are RECEIVED only by the instruments tuned to the proper wave length.

In a spectacular way, this demonstrates perfectly the important business paper principle of *selective* circulation. The good business paper automatically selects and sifts out of the mass all the men or concerns interested in the same materials or processes. It segregates them in one group just as certainly as though gathered in one room.

Moreover, the business paper reader must *voluntarily* tune in. He voluntarily indicates his desire to receive the messages, and pays money for the privilege.

THE ASSOCIATED BUSINESS PAPERS, INC.
100% A. B. C. Audited — Reaching 54

AND in Amusements such as Theatrical and Moving Picture THE PRESS publishes far more advertising than either The News or Daily Plain Dealer. Just a leader in one more important classification that shows which way the wind blows in an advertising way in Cleveland.

Here are the figures for the entire year of 1922:

THE PRESS .	442,026 Lines
Plain Dealer .	375,009 "
The News . .	430,809 "

Year in and year out local merchants indicate their faith in THE PRESS by using more space in this great selling medium than in any other Cleveland daily newspaper—conclusive proof of the responsiveness of PRESS circulation.

ALLIED NEWSPAPERS, INC.
Publishers' Direct Representatives
New York Chicago Cincinnati San Francisco
St. Louis Atlanta Cleveland
Member Audit Bureau of Circulations

The Scripps-Howard Newspapers
Including the Scripps-McRae League

The CLEVELAND PRESS

DOMINATES GREATER CLEVELAND

Daily Capital Circulation

Over 64,000

January, 1921 - - 51,148
August, 1921 - - 55,670
January, 1922 - - 59,533
August, 1922 - - 61,203
January, 1923 OVER 64,000

The past few months have brought The Capital the most satisfactory normal circulation growth in the history of the paper. Of the present total circulation, more than 30,000 of these subscribers are in the city of Des Moines. This is the largest circulation of any Iowa evening newspaper.

The **DAILY CAPITAL**

O'Mara & Ormsbee, National Representatives
New York, Chicago, San Francisco
Lafayette Young, Publisher, Des Moines, Iowa

How Campbell Soup Reduced Its Selling Expense

WHEN the Campbell Soup Company first started to make soup it was also making 200 other products. The first year's output on soup was 500,000 cans. Today the company has discarded the 200 products, and its output of soup has run as high as 18,000,000 cans a week.

When it started the soup business the expense for salesmen was 7½ per cent of costs and for advertising 14 per cent—a total of 21½ per cent for sales and advertising. Today expense for salesmen is 2 per cent of costs and for advertising less than 3 per cent—a total of less than 5 per cent.

The company is giving consumers soup at twelve cents a can that could not be made by the individual for several times that. And the cost of advertising in a single can of soup is *seventeen one hundredths of one cent.*

Before the company started to advertise the farmers near its factory were dependent on a fluctuating demand for their produce. Today advertising has made demand so staple that farming has almost ceased to be a speculation. In addition advertising has made it possible for the company to maintain agricultural experimental laboratories wherein the farmer's problems are worked out to his great benefit.

Dr. J. T. Dorrance, President of the Campbell Soup Co., in the March issue of PRINTERS' INK MONTHLY

"In 1800 The Center of Population was 18 miles west of Baltimore. By 1850 it had reached the Alleghanies. Then the Moving Finger passed the crest, and in 1870 was near Cincinnati. For a half century it has pointed its way westward, across Ohio and Indiana. Today it marks a spot only a short distance east of St. Louis; and in a few more years it will reach 'The City Surrounded by the United States.' It is moving more slowly now, and scientists tell us that it will never go farther than fifty miles to the west of St. Louis; because it is a *Center*—not a *rim*—and the two oceans, the gulf, the desert, and the cold north set their own limitations."

Paul V. Bunn, General Secretary, St. Louis Chamber of Commerce in *Greater St. Louis:* Dec., 1922.

—And the map below shows how one newspaper covers the St. Louis trade area (radius 150 miles). No other St. Louis newspaper even claims such coverage.

Globe-Democrat

Largest Daily of St. Louis

The Largest City Nearest the Population Center

"Git Thar Fustest with the Mostest"

IN those words General Nat Forrest, the Confederate cavalry genius of the American Civil War, is said by military authorities to have stated the whole science of war.

The same words forcibly cover the science of newspaper making. The newspaper that succeeds—wins the reader's interest and confidence—is that which "Gits thar fustest with the mostest" news.

For a specific instance consider the market and financial pages of The Chicago Daily News.

The Daily News has taken advantage of its opportunity to give its readers the COMPLETE story of the Financial Day, in its "Final Edition," TWELVE HOURS EARLIER than this same news is supplied by any morning newspaper.

Inevitably readers know and appreciate this service and inevitably they prefer to read the news while it is new—as well as complete and reliable.

An increasing army of readers is making The Daily News financial and market section its directory and guide in matters of investment.

Your advertisement in this section will reach the potential investor when his investment interest is at its peak.

You will "git thar fustest with the mostest."

THE DAILY NEWS

First **in Chicago**

The population of Des Moines, Federal census of 1920, was 126,468.

Here is the present circulation of the Daily Capital:

City	**Over 30,000**
Country	**Over 34,000**
Total	**Over 64,000**

The Des Moines Capital is in a position to serve any national advertiser exclusively in Des Moines with a complete coverage of the city and tributary territory. The Capital is the best newspaper it has ever been from the standpoint of quality, and the circulation, city and country, is the biggest in the history of the paper. One can readily see from the population of Des Moines, as given above, that nearly every one in Des Moines sees the Capital every night.

We will be much pleased if advertisers interested in the Des Moines newspaper situation would make inquiry for further information, and particularly ask to see sample copies of the Capital.

The Des Moines Capital

LAFAYETTE YOUNG, *Publisher*

Over 64,000 Daily

Breaking The Barriers That Bar The Buying

CREDITING Coué with discovery of a sixth sense is incredible! Advertising Men, and Typographers *who prove it with proofs*, have for these many, many moons signalled that self-same sense—the seat of all senses: Evoking the eye by invoking beauty of line, grace of design, dignity and balance, light faces for right places, and dark faces in stark places, the mind is made into a receptive mood—then the message, of truth tersely told, repeated "day by day," *forces* that impulse of the sixth sense to Break the Barriers that Bar the Buying.

PHILLIPS & WIENES
INCORPORATED
Typographers Who Prove It With Proofs
314 East Twenty-third Street
New York

Motorized Iowa -goes ahead

Over Half a MILLION Automobiles and Trucks registered in Iowa in 1922

An average of one automobile to every 5 persons in Iowa. A net increase of 40,080 cars and trucks in Iowa in 1922.

An advertising campaign in The Des Moines Register and Tribune reaches practically every home in Des Moines and every fourth family in the state.

Write for "The Shortest Route to Iowa's Pocketbook," showing circulation in over 1,000 Iowa cities, towns and villages.

AUTOMOBILE ADVERTISING

The Register and Tribune carried 66% of all automobile, truck, tire and accessory advertising published by Des Moines newspapers in 1922.

Des Moines Automobile Show
February 26-March 3
This is Iowa's leading show and is visited by dealers from all parts of the state.

DES MOINES REGISTER AND TRIBUNE

A Penny Sown Is a Dollar Grown in Iowa

Iowa, That's Where the Tall Corn Grows

"Gold Grows in Iowa"—that's literally true.

Iowa's corn crop is invariably the largest produced by any state. In 1922 Iowa grew 455,355,000 bushels of corn. Iowa also ranks first in production of oats, hogs, eggs and poultry.

Iowa's per capita wealth is the greatest in America. And Iowa leads every other state in literacy.

Iowa is an intelligent state, a newspaper reading state. If it wasn't, The Register and Tribune couldn't have the largest circulation of any newspaper in the world published in a city the size of Des Moines.

Include Des Moines and Iowa in your next advertising campaign. The pennies you invest in newspaper advertising in Iowa will grow into dollars.

The Des Moines Register and Tribune is the backbone of practically every successful advertising campaign in Iowa. It is read by over 125,000 Iowa families.

The Des Moines Register and Tribune

Daily 135,788—127,922 Sunday

February Net Paid Average

Des Moines is an important Distributing center

The Vacuum Oil Company recognizes that the trade of Iowa centers in Des Moines.

The Goodyear Tire & Rubber Company has recently made Des Moines zone headquarters for Iowa, southern Minnesota and a part of Illinois.

The Chevrolet Motor Company has opened a zone office in Des Moines with supervision of Chevrolet sales in Iowa, eastern South Dakota and eastern Nebraska.

A network of highways and railroads makes Des Moines and all Iowa one big market. Not a farm home in Iowa is more than twenty minutes by automobile from a railroad station.

The most direct route to the Des Moines and Iowa market is via The Des Moines Register and Tribune. It blankets Des Moines and reaches one thousand Iowa cities, towns and villages.

Net Paid Circulation Exceeds

130,000 Daily—125,000 Sunday

98% Concentrated Within the State of Iowa

Des Moines Register and Tribune

"The Newspaper Iowa Depends Upon"

1922 Iowa Crops

are worth $174,000,000 more than in 1921

—and The Des Moines Register and Tribune are read by one out of every four families in Iowa—naturally the most prosperous families, too, because The Register and Tribune are the highest priced papers in Iowa.

Iowa's 1922 Crops	$480,142,000
Iowa's 1921 Crops	305,459,429
Increase	$174,682,571 or 57%
Iowa's 1922 Corn Crop	$245,989,000

Final joint estimate Iowa Weather and Crop Service and U. S. Bureau of Agricultural Economics.

The Des Moines Register *and* Tribune

Over 130,000 Daily—Over 125,000 Sunday

J. A. Klein
50 E. 42nd St.
New York

Guy S. Osborn
1302 Tribune Bldg.
Chicago

Jos. R. Scolaro
701 Ford Bldg.
Detroit

C. A. Coar
401 Globe Democrat Bldg.
St. Louis

R. J. Bidwell Co.
San Francisco
Los Angeles

Remarkable Automotive Advertising Leadership

Smashing all previous records of leadership in automotive advertising carried in Show Numbers, The Sunday Detroit Free Press of January 21, outmatched, outclassed and outdistanced its competitors by the largest lineage leadership it has ever been privileged to carry. Here are the figures:

SUNDAY FREE PRESS...85,512 lines
Sunday Detroit News.....63,882 lines
Sunday Times.....27,510 lines

A LEAD OVER THE SUNDAY NEWS
OF 21,630 LINES OR 33.8%

A LEAD OVER THE SUNDAY TIMES
OF 58,002 LINES OR 210%

This amazing record of preferred patronage again clearly demonstrates the clean-cut superiority of The Detroit Free Press as an advertising medium of unquestioned, unsurpassed worthiness.

The Detroit Free Press

"Advertised by its Achievements"

VERREE & CONKLIN, Inc.
Foreign Representatives
New York Chicago Detroit San Francisco

238,139

In 11 Weeks Sunday Free Press Circulation Has Increased 59,953

SUNDAY FREE PRESS circulation is smashing its way forward to greater gains than were ever before made by any newspaper in Michigan.

And the most remarkable part about it all is the fact that these gains are being made continuously—there has been no let-up in circulation growth since January 1st.

SUNDAY MARCH 18th THE CIRCULATION OF THE SUNDAY FREE PRESS REACHED A HIGH WATER MARK—238,139—A GAIN OF 11,592 OVER THE PREVIOUS WEEK.

These remarkable increases define and explain the unusual results now being obtained by Sunday Free Press advertisers.

The Detroit Free Press

"Advertised by its Achievements"

VERREE & CONKLIN, INC.
Foreign Representatives
New York Chicago Detroit San Francisco

Read—Not Merely Circulated

THE Detroit Free Press is read at the breakfast table—not tossed away on the streets.

It hits thousands of the very best Detroit homes each morning—85% of its great home-delivered circulation remains in the home all day. It is a newspaper that commands the attention of the actual buying power of Detroit.

Yet the appeal of The Detroit Free Press is universal. It caters to no sect, class or creed. Its readers are bankers, merchants, manufacturers, professional men and women clerks, mechanics, stenographers, laborers.

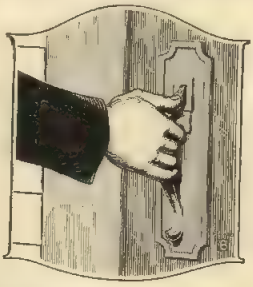
No campaign in Detroit can be successful, complete or efficient if it omits the use of this newspaper that reaches a majority of the worth-while homes in America's Fourth City.

The Detroit Free Press is *read*, not merely circulated.

The Detroit Free Press

"Advertised By Its Achievements"

VERREE & CONKLIN, INC.
Foreign Representatives
New York Chicago Detroit San Francisco



"Lift Up the Latch and Walk In"

ANY advertisement failing to reach good homes attracts about as much attention "as a dirty fingernail in the third grade."

How can you be sure your advertising message will "lift up the latch and walk in" to good homes, in Detroit? How can you be sure that the circulation you buy is out of the "street corner, headline reading" class—that your investment in white space gets inside the front door of a home worth while?

You are not sure *unless you use a morning newspaper*, and there's only ONE in Detroit—The Free Press. Use it and you're assured of attention unflagged, interest unchecked, desire-to-buy unrestricted.

The Detroit Free Press

"Advertised By Its Achievements"

VERREE & CONKLIN, INC.

Foreign Representatives

New York Chicago Detroit San Francisco

ontrol the sale of
utomotive Merchandise

THE production of two and one third million automobiles last year and a correspondingly colossal output of trucks, tractors, parts, accessories and shop equipment—is a tribute to American manufacturing methods—but no less a tribute to American salesmanship.

For each car and each truck and each of all the other products had to be sold twice and in many cases sold three times before it reached the ultimate consumer.

No automotive product can be distributed without trade assistance and the co-operation of these three men—the Jobber or Distributor, the Dealer dispensing merchandise and the Dealer selling service, is as greatly needed by the Automotive manufacturer as are the machines that build his product or the workmen that uphold its quality.

This year there will be an even greater production of things automotive than last year — and competition will be more keen.

The tradesman must adopt better merchandising methods to hold and build his trade and the manufacturer must stir himself no less to hold the tradesman.

The need of better selling, by the trade, will be met by Motor Age and Motor World in two big Special Issues devoted to merchandising.

These two selling issues coming two weeks apart and at the very start of the selling season will bring to the trade merchandising information and selling ideas which will be of practical every day value throughout the year.

And these two issues devoted to selling may well be the means of disseminating your own selling message. If you are out to build trade patronage for 1923 here are two numbers that should certainly carry your advertising.

THE CLASS JOURNAL COMPANY

New York, U. P. C. Bldg.; *Chicago*, Mallers Bldg.; *Boston*, 185 Devonshire St.; *Philadelphia*, Widener Bldg.; *Cleveland*, Guardian Bldg.; *Detroit*, 117 Fort St. West; *Indianapolis*, 1213 Merchants' Bank Bldg.

Publishers of AUTOMOTIVE INDUSTRIES MOTOR WORLD MOTOR AGE, MOTOR TRANSPORT EL AUTOMOVIL AMERICANO, MOTOR BOAT, DISTRIBUTION & WAREHOUSING THE TIRE RATE BOOK THE AUTOMOBILE TRADE DIRECTORY

How a National Advertiser Found a Bargain in Detroit

ONE of the biggest successes in The Detroit News now is a product that had never been there before.

When the advertising manager of The News recently met the sales manager for this product he bluntly asked him why he had picked Detroit as one of the first cities for his campaign.

His answer was simple:

"After all, what we are buying is population. We haven't the money to go everywhere at one time—and so, when we read in Printers' Ink that Detroit was unique, in that a consolidation of newspapers made it possible to practically blanket the entire city with one paper—it didn't take us a minute to decide on Detroit."

The Detroit News

Greatest Circulation Daily and Sunday In Michigan

"Always in the Lead"

Most Consistent Record Of Advertising Lead

Is Held by Detroit, Where The News Has Been at or Close to the Top for Eight Years.

THE DETROIT NEWS has the unique distinction of being either first, second or third in advertising in America for eight consecutive years. The News has been FIRST three times, SECOND four times and THIRD once.

This notable achievement is due to two factors largely—the singular prosperity of Detroit and the remarkably thorough coverage of The News.

In 1922, The News increased the amount of space devoted to news matter, curtailing many columns of space, otherwise The News would have again occupied first or second position.

The value of The News to advertisers wishing to cover the whole Detroit field with one paper can easily be ascertained from this record of eight years of leadership—an achievement unrivaled by any other paper in this country.

The Detroit News

Greatest Circulation Weekday and Sunday in Michigan

"Always in the Lead"

Rotogravure Opens Way

Selling Without Advertising | Armed With Roto Contract

ROTOGRAVURE appeals not only to the buying public; it sells the merchant, too. The Sales Manager of a nationally known cosmetic and toilet goods manufacturer discovered this when he sold all the department and big down town stores in three days, due to the fact that Detroit merchants realize the magnificent sales appeal of a Detroit News Rotogravure campaign. Armed with a News Rotogravure contract your dealers are half sold before the salesman even discusses the product. The Detroit Sunday News now has more than 270,000 circulation and reaches practically every home in Detroit and vicinity. The Rotogravure is largely responsible for this circulation.

The Detroit News

Greatest Weekday and Sunday Circulation in Michigan.

"Always in the Lead"

The Largest Farm Paper

Directors of Agriculture Read The Farm Journal

L. J. Taber

Before Mr. Taber became the Director of Agriculture of Ohio, he occupied such positions of influence as Lecturer Ohio State Grange, Master Ohio State Grange, Executive Committeeman Ohio Farm Bureau Federation, Director on Cooperative Association Board, Executive Committeeman Ohio Dairymen's Association, President Ohio Home Protective League. He is a Director of the Farm Loan Bank.

It Pays and Proves It Pays

MAKE YOUR DETROIT SCHEDULE MORE FLEXIBLE

A Choice of Days Will Give Your Advertising Position Advantages.

DETROIT is experiencing a prosperity today that rivals the peak period of 1920. Already many automobile manufacturers are finding it difficult to keep production in pace with demand. There will be a shortage this spring both of cars and skilled workers.

Advertisers, realizing Detroit's unusual prosperity, are endeavoring to capture the Detroit market through The Detroit News, Detroit's greatest circulating newspaper. As a result, The Detroit News finds itself in a tight place on many days for space. This is a condition which could largely be obviated if more advertisers were to follow the practice of many prominent advertisers and allow The Detroit News some choice of publication days. Such advertisers find that The News is enabled to place their advertising most advantageously.

Twice a week advertisers would also find it advantageous to order one insertion in The Sunday News, which now has more than 270,000 circulation. The week day and Sunday combination is the ideal in Detroit where the population is composed of such variegated elements that it is advisable to reach them both through the Sunday and week day medium. The Sunday News makes one appeal and the week day News another. Some elements prefer certain sections of the paper Sundays which they do not read week days and vice versa. Cover all Detroit by using both issues of The Detroit News at pro rata cost.

The Detroit News

Greatest Circulation, Week Day and Sunday, in Michigan

"Always in the Lead"

These three men

TWO big Special Merchandising Issues coming at a time when the need for better selling is vital.

Synchronize your own selling effort with our selling effort.

Your advertising message belongs in these issues.

MOTOR AGE

Summer Service Issue
April 5
forms close April 2

MOTOR WORLD
DEALERS, JOBBERS AND GARAGEMEN

Summer Merchandising Issue April 18
forms close April 16

Detroit and The News

1923 Year Book of Detroit News Now Available

DO you know that Detroit produces 75 per cent of all the automobiles in America? Do you know that America's fourth city is first in the manufacture of pharmaceutical supplies, and that this great city has a variety of industries, ranging from the manufacture of car wheels to corsets? Do you know also that no metropolitan city in America has one newspaper that covers the field as thoroughly as The Detroit News? These and a thousand other interesting facts about Detroit and The News are available to space buyers and advertisers in the new year book, "Detroit and The News," just off the press.

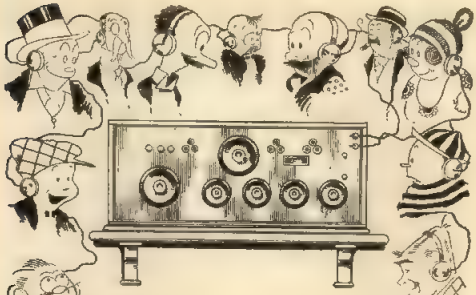
If You Do Not Receive This Book By Mail Send For It On Your Office Stationery.

The Detroit News

Greatest Circulation Daily and Sunday in Michigan

"Always in the Lead"

over
200,000
circulation
and only
7 months old
Detroit
Sunday
Times



Hook yourself up to new customers

Tune them in

through

The Evening Bulletin

Philadelphia's Newspaper

The Bulletin's daily circulation of half a million copies is larger than that of any other daily or Sunday newspaper published in Pennsylvania, and is one of the largest in the United States.

Sell Spring Fashions to the 685,000 women of

Philadelphia

Chestnut, Walnut, Broad and other women's shopping streets in Philadelphia are lined with establishments which prosper because by advertising in The Bulletin they tell nearly every feminine shopper of their offerings of correct and fashionable attire.

Nearly every woman and girl in Philadelphia and vicinity will spend at least $10 on her Spring wardrobe.

Dresses, gowns, hats, hosiery, shoes and other things for women's wear will entice the dollars from their hand-bags.

If you manufacture goods which appeal to girls and women, you can reach the 685,000 feminine buyers in the third largest market in the United States through their favorite newspaper—The Bulletin.

Dominate Philadelphia

Create maximum impression at one cost by concentrating in the newspaper "nearly everybody" reads—

Philadelphia's Newspaper—

The Evening Bulletin

"In Philadelphia nearly everybody reads The Bulletin"

The circulation of The Philadelphia Bulletin is larger than that of any other daily or Sunday newspaper published in Pennsylvania and is one of the largest in America.

1922 net paid average circulation—493,240 copies a day.

New York—Dan A. Carroll, 150 Nassau St.
Chicago—Verree & Conklin, Inc., 28 East Jackson Blvd.
Detroit—C. L. Weaver, Verree & Conklin, Inc., 117 Lafayette Blvd.
San Francisco—Allen Hofmann, Verree & Conklin, Inc., 681 Market St.
London—M. Bryans, 125 Pall Mall, S. W. 1
Paris—Ray A. Washburn, 5 rue Lamartine (9)

(Copyright 1922—Bulletin Company)

Like a forest against the skyline, radio masts tower over

Philadelphia

Glance in any direction in Philadelphia from the elevated railroads, or from the taller buildings—you gain an idea of the great market for radio goods in the third largest city in America.

At the receiving end of each of these radio outfits are enthusiasts watching every new development—and buying equipment to perfect their sets.

If you make radio equipment, you can persuade this great army of fans to insist upon getting your goods.

Retailers of radio goods select The Bulletin to carry their selling talks to the buying public—because in The Bulletin they can reach most fans and radio prospects in and around Philadelphia.

Dominate Philadelphia

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London—M. Bryans, 125 Pall Mall, S. W. 1
Paris—Ray A. Washburn, 5 rue Lamartine (9)

(Copyright 1923—Bulletin Company)

Selling sporting goods and outing garments in

Philadelphia—

leading sports centre in America

"Philadelphia leads all other American cities in the number of individuals who take part in outdoor and indoor sports."—Dr. E. J. Cattell, former City Statistician.

There is plenty of playing room in Philadelphia.

From one to five or even more teams represent most of Philadelphia's 16,000 industrial plants in various forms of athletics.

Thousands of mercantile and business establishments, clubs, associations, public and private schools, colleges and other educational institutions; public playgrounds, Sunday Schools, etc., are represented in sporting events of all kinds throughout the year.

You can teach this great army of sports enthusiasts to ask for your goods by name or trade-mark through The Bulletin—the recognized sporting authority and the favorite newspaper of Philadelphians.

Dominate Philadelphia

Create maximum impression at one cost by concentrating in the newspaper "nearly everybody" reads—

The Evening Bulletin

Philadelphia's Newspaper

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Paris—Ray A. Washburn, 5 rue Lamartine (9)

(Copyright 1923—Bulletin Company)

Largest in the World

EVENING HERALD

Made the Largest Advertising Gain in the World 1922 over 1921

3,493,854 Lines

All Other Los Angeles Evening Papers Lost

Greatest Daily Circulation in the West

Covers Los Angeles Completely

155 out of every 200 homes in Los Angeles get The Evening Herald. The highest point of saturation reached by any daily newspaper in Western America.

Representatives:

M. W. MOLONEY, 604 Times Bldg., New York, N. Y.

E. LOGAN PAYNE CO., 401 Tower Bldg., 6 N. Michigan Ave., Chicago, Ill.

A. J. NORRIS HILL, 710 Hearst Bldg., San Francisco, Calif.

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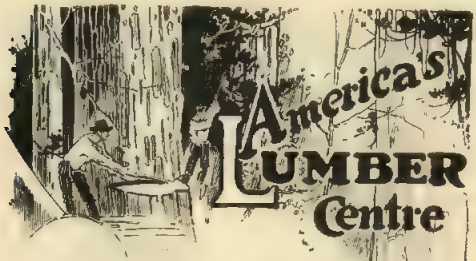

THE timber wealth of the Pacific Northwest is so vast as to be almost beyond human conception.

The stand of marketable timber in Oregon and Washington is more than 825 BILLION BOARD FEET.

Of this, more than 400 billions is in Oregon alone.

It has a potential worth of $6,750,000,000, and brings to Oregon an annual income of approximately $100,000,000.

The lumber industry of Oregon employs 15,000 people, with a payroll of $70,000,000.

YOU can share in the great wealth created by this tremendous lumber industry. The Oregon Journal will put you in touch with YOUR market in the Pacific Northwest.

Write Today for Data

THE
Oregon Journal

PORTLAND, OREGON.

Eastern and Coast Representatives:

Benjamin & Kentnor
Mallers Bldg., Chicago
225 Fifth Ave., New York

M. C. Mogensen & Co.
Examiner Bldg., San Francisco
Title Insurance Bldg., Los Angeles
Securities Bldg., Seattle

Largest Afternoon Newspaper In the Northwest

Los Angeles Advertising for Year 1922

Percentage of total advertising, local and national, as carried by each of the 5 Los Angeles newspapers.

Display Advertising	Times	Examiner	Express	Herald	Record
Agricultural	**59.26**	8.12	6.78	21.82	4.02
Autos and Accessories	**32.26**	26.60	18.63	18.36	4.15
Amusements	20.72	25.55	17.83	17.63	18.27
Banks and Financials	**41.48**	22.69	20.39	12.36	3.08
Books and Publishers	**51.62**	29.10	2.42	10.09	6 77
Cafes	19.92	25.45	15.34	26.36	12.93
Churches	**37.17**	20.68	30.84	7.77	3.54
Cloaks and Suits	19.36	22.66	15.24	34.92	7.82
Dentists	25.87	33.57	10.61	20.39	9.56
Department Stores	26.30	4.30	31.96	20.00	17.44
Druggists	17.98	21.11	16.82	30.98	13.11
Foodstuffs	21.29	22.49	16.92	25.68	13.62
Furniture and House Furn.	27.70	19.14	19.21	28.14	5.81
Hardware and Electric	**33.77**	27.07	11.45	21.00	6.71
Hotels and Resorts	**45.64**	25.76	10.43	11.84	6.33
Jewelers and Opticians	**30.85**	18.86	22.74	23.66	3.89
Medical	**39.78**	18.25	6.80	24.70	10.47
Men's Clothing	21.32	23,25	19.11	23.34	12.98
Miscellaneous	**31.32**	17.42	18.12	16.72	16.42
Musical Instruments	27.66	29.96	21.41	16.96	4.01
Office Equipment	**51.31**	25.79	5.56	12.63	4.71
Proprietary Articles	26.12	35.05	9.36	22.27	7.20
Real Estate	**30.55**	27.80	13.23	21.39	7.03
Schools, Etc.	**33.17**	22.05	19.77	12.28	12.73
Shoes	25.19	14.84	23.27	25 99	10.71
Sporting Goods	35.21	5.93	14.85	40.84	3.17
Tobacco	23.47	32.73	6.12	25.62	12.06
Transportation	**32.79**	27.45	16.39	15.33	8.04
Annual (Edition)	...	...	100.00	...	...
Foreign Readers	**55.51**	18.09	12.06	4.16	10.18
Classified Advertising	**39.64**	30.44	9.69	17.72	2.51
Total Advertising	31.23	22.70	17.26	20.37	8.39

THE TIMES leads in 16 classifications

Herald leads in 8 classifications
Examiner leads in 5 classifications
Express leads in 1 classification

Los Angeles Times

Eastern Representatives: Williams, Lawrence & Cresmer Co., Harris Trust Building, Chicago—225 Fifth Avenue, New York.

The Story Advertising Tells

Not only does The Washington Star day after day print more advertising than all the other local papers combined; but year after year the total of its lineage places it among the first in all the larger cities of the country.

SIXTH IN THE UNITED STATES

Figures showing the total advertising in fifteen Daily and Sunday newspapers in fifteen of the principal cities of the United States for the year 1922.

Taken from statistics compiled by the New York Evening Post

Los Angeles Times	26,795,244
Chicago Tribune	26,212,563
Detroit News	25,701,844
New York Times	24,142,222
Baltimore Sun	22,985,326
WASHINGTON STAR	**21,659,650**
St. Louis Post-Dispatch	19,881,120
Philadelphia Inquirer	18,211,200
Cleveland Plain Dealer	17,194,125
Milwaukee Journal	16,266,970
San Francisco Examiner	15,596,504
New Orleans Times-Picayune	15,454,103
Minneapolis Tribune	14,278,579
Boston Globe	12,633,476
Cincinnati Times-Star	12,000,300

Total volume of advertising in six of the greatest dailies having no Sunday issue:

Chicago Daily News	18,224,817
Philadelphia Bulletin	17,379,380
Indianapolis News	16,499,178
Los Angeles Express	14,788,718
Cleveland Press	12,898,625
Buffalo News	12,586,723

Pittsburgh and Newark papers do not report their figures.

The Evening Star.

WITH SUNDAY MORNING EDITION

WASHINGTON, D. C.

Write us direct or through our

New York Office	Paris Office	Chicago Office
Dan A. Carroll	5 Rue Lamartine	J. E. Lutz
150 Nassau Street		Tower Building

Post Graduate

SUPPOSE you could induce all the technical schools and colleges to teach the advantages of your machinery or materials to the budding engineers of the country? Surely you'd believe in its value —yet such schooling would stop with graduation.

For years after graduation (an average of 40 years statisticians say) these men must continue their studies to keep up with the rapid march of science, discovery and experimental development. And most of them do it through the pub-

THE ASSOCIATED BUSINESS PAPERS, INC.
With 125 member papers reaching

The 345 Churches in Washington Tell of Its Steadying Influences

Sectarian and non-sectarian—with substantial edifices in which their memberships worship.

One of the keys to the character of a community is the number and influence of its churches—and Washington supports hers loyally.

To interest Washington in your product let The Star take your message directly into the homes.

The Evening Star.

WITH SUNDAY MORNING EDITION

WASHINGTON, D. C.

Write us direct or through our

New York Office
Dan A. Carroll
150 Nassau Street

Paris Office
5 rue Lamartine

Chicago Office
J. E. Lutz
Tower Building

The 345 Churches in Washington Tell of Its Steadying Influences

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The Evening Star.

WITH SUNDAY MORNING EDITION

WASHINGTON, D. C.

Write us direct or through our

New York Office
Dan A. Carroll
150 Nassau Street

Paris Office
5 rue Lamartine

Chicago Office
J. E. Lutz
Tower Building

Through The Star's Rotogravure Section

you can "picture" your product effectively to the people of Washington, D. C.

With The Star, you know, you cover The "National Capital" completely. Washington is one city where ONE newspaper is ALL sufficient.

The Evening Star.

WITH SUNDAY MORNING EDITION

WASHINGTON, D. C.

Write us direct or through our

New York Office	Paris Office	Chicago Office
Dan A. Carroll	5 Rue Lamartine	J. E. Lutz
150 Nassau Street		Tower Building

To Reach The Consumer Is The Ultimate Object of Advertising

"National Advertising," in its January issue, shows Washington (D.C.), with 14,997,312 lines, ranks SECOND in the United States for local display advertising in Daily and Sunday editions.

This indicates conclusively what a fertile field the National Capital is for advertised goods—and also the importance with which the local merchants regard THE STAR as an advertising medium.

It reaches the consuming public here—thoroughly and influentially.

We shall be pleased to furnish any desired data concerning this market.

The Evening Star.

WITH SUNDAY MORNING EDITION

WASHINGTON, D. C.

Write us direct or through our

New York Office
Dan A. Carroll
150 Nassau Street

Paris Office
5 rue Lamartine

Chicago Office
J. E. Lutz
Tower Building

Let The Star Carry News of Your Product to Washingtonians

Then you will not only be *thoroughly* introduced—but *properly* introduced, in the National Capital.

You are overlooking a great opportunity if you are not represented in the Washington market—and The Star is the only paper you need to cover the field.

Our Statistical Department will be glad to confer with you upon local conditions

The Evening Star.

WITH SUNDAY MORNING EDITION

WASHINGTON, D. C.

Write us direct or through our

New York Office
Dan A. Carroll
150 Nassau Street

Paris Office
5 Rue Lamartine

Chicago Office
J. E. Lutz
Tower Building

MATZENE PHOTO

Advice on Markets and Media

Advertisers in the Chicago district find specific and comprehensive information at 1302 Tribune Building.

Guy S. Osborn

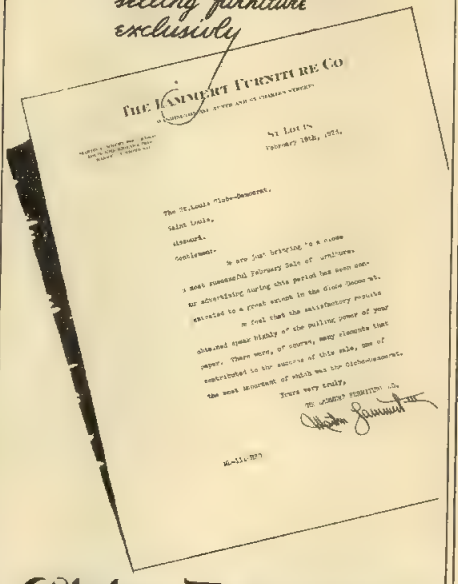
knows markets. His organization offers indispensable service in showing when and where to plan sales campaigns.

He can give you facts on the situation in St. Louis, as well as in a list of other strategic points.

Globe-Democrat

St. Louis' Largest Daily

"This from the largest firm in the country selling furniture exclusively"


THE KAMMERT FURNITURE CO

St. Louis
February 28th, 1923.

The St.Louis Globe-Democrat,
Saint Louis,
Missouri.
Gentlemen:

We are just bringing to a close our most successful February Sale of furniture. The advertising during this period has been unusually attractive to a great extent in the Globe because we feel that the satisfactory results obtained appear highly of the pulling power of your paper. There were, of course, many elements that contributed to the success of this sale, one of the most important of which was the Globe-Democrat.

Yours very truly,
THE KAMMERT FURNITURE CO.

M-LLC-BD

Globe-Democrat

St. Louis' Largest Daily

F. St. J. Richards, - - - New York
Geo. S. Osborn, - - - - Chicago
J. R. Scolaro, - - - - - Detroit
C. Geo. Krogness, - - San Francisco
Dorland Agency, Ltd., - - London
Assoc. American Newspapers, - Paris

COLUMBIA MO.

Home of Missouri State University

The 49th State

—Add this new commonwealth to your map. It's a circle—radius 150 miles.

Call it "Globe-Democrat Influence." The capital is St. Louis.

The population exceeds 4½ millions. The wealth is based on a wider variety of natural resources and industry than any other state can show.

The Globe-Democrat serves the entire 49th state. No other single newspaper even claims such coverage.

St. Louis the City with $85,000,000 to spend on Municipal Improvements

—Here is a remarkable test-town for merchandise. Besides her stable, highly cultured residents, Columbia has students from all over the state and nation. The student bodies of the University and two Women's Colleges bring the population up to about 13,000.

Columbia is well-to-do, with bank deposits aggregating $4,494,125. In addition to her educational and manufacturing pursuits Columbia is active in a mercantile way.

40 Grocery Stores (Retail) 11 Drug Stores
3 Groceries (Wholesale) 4 Hardware Stores
19 Auto Dealers and Garages 6 Shoe Stores
6 Building Material Dealers 5 Jewelers
8 Dry Goods Stores 2 Furniture Stores
5 Men's Furnishing Stores 4 Stationers
7 Confectioneries

Columbians and Columbia students represent really a cosmopolitan buying group. They live well. They buy well. They buy in Columbia and in St. Louis.

. . And the Globe-Democrat has twice as much circulation in Columbia as any other out-of town newspaper. . . Think of this influence.

Globe-Democrat

St. Louis' Largest Daily

F. St. J. Richards, ... New York
Guy S. Osborn, ... Chicago
J. R. Scolaro, ... Detroit
C. Geo. Krogness, ... San Francisco
Dorland Agency, Ltd., ... London
Asso. American Newspapers, . . . Paris

MARION'S 9582

The 49th State

—Add this new commonwealth to your map. It's a circle—radius 150 miles.

Call it "Globe-Democrat Influence." The capital is St. Louis.

The population exceeds 4½ millions. The wealth is based on a wider variety of natural resources and industry than any other state can show.

The Globe-Democrat serves the entire 49th state. No other single newspaper even claims such coverage.

St. Louis the City with $87,000,000 to spend on Municipal Improvements

Down in the southeastern portion of The Globe-Democrat's charmed circle is Marion, Ill.

. . . A mining and manufacturing city in "Egypt," one of the richest sections in the U. S.

. . . A center for coal and for creosoting and powder manufacture.

Annual business volume, $8,000,000

Bank resources, $5,500,000

65 Grocery Stores — 6 Drug Stores
17 Auto Dealers and Garages
4 Hardware Stores — 3 Jewelers
7 Building Material Dealers
9 Shoe Stores — 15 Dry Goods Stores
7 Men's Furnishing Goods Stores — 1 Stationer
3 Furniture Stores — 15 Confectioners

There are 9,582 people in Marion. The representative people read the St. Louis Globe-Democrat.

Do you see how easily you can reach retailers and consumers through the newspaper of this entire district?

Globe-Democrat

St. Louis' Largest Daily

E. St. J. Richards, ... New York
Guy S. Osborn, ... Chicago
J. R. Scolaro, ... Detroit
C. Geo. Krogness, ... San Francisco
Dorland Agency, Ltd., ... London
Assc. American Newspapers, . . . Paris

This is Bill Herschell, of The News staff, poet of highways and by-ways; poet of the city streets, master of song. Bill has been writing features and poems regularly for The News for more than twenty years. Incidentally, his "Long Boy," the doughboys' marching song of those stirring days of '17 and '18, made him nationally known.

IN Indianapolis, people turn *first* to read Bill Herschell, because in his twenty years on The News he has endeared himself to all as the Hoosier poet and philosopher. One feature does not make a newspaper, but one pre-eminent feature like Bill Herschell helps mightily. The long-maintained editorial ideals of The News have made it first in reader interest, first in reader loyalty, first in the hearts and homes of Indiana people.

The Indianapolis News

FRANK T. CARROLL, *Advertising Manager*

New York Office
DAN A. CARROLL
150 Nassau Street

Chicago Office
J. E. LUTZ
The Tower Building

Write for your copy of The 1923 Indianapolis Radius Book

Schnull & Company, large and progressive Indianapolis wholesalers, know the value of space in The Indianapolis News. They use it themselves.

Has the Wholesaler Enough Items Already?

Talk to the average wholesaler in any city and see if he hasn't a fixed conviction that his market will absorb a certain volume and no more. In nine cases out of ten, the wholesaler will tell you that the introduction of new brands merely means a further division of the volume. Volume for a product must come from two places: (*1*) from the business of other brands; (*2*) from increased consumption. The language that a wholesaler understands is adequate advertising, scheduled on a non-cancellable basis in a dominant newspaper such as The Indianapolis News. He knows it will create a demand which he must meet or else the retailer will have his order filled by some other wholesaler.

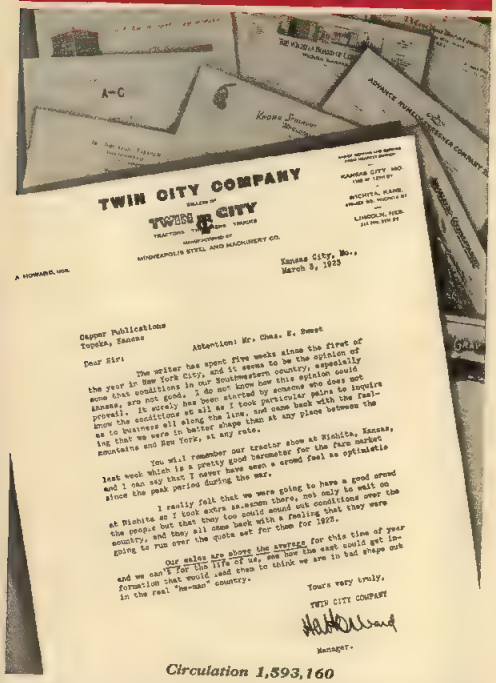
The Indianapolis News

FRANK T. CARROLL, *Advertising Manager*

New York Office
DAN A. CARROLL, 150 Nassau St.

Chicago Office
J. E. LUTZ, The Tower Bldg.

Business is GOOD


TWIN CITY COMPANY
TWIN CITY
MANUFACTURED BY
MINNEAPOLIS STEEL AND MACHINERY CO.
KANSAS CITY AND
WICHITA, KANS.
LINCOLN, NEB.
A HOWARD, MGR.
Kansas City, Mo.,
March 8, 1923
Capper Publications
Topeka, Kansas
Attention: Mr. Chas. E. Sweet
Dear Sir:
The writer has spent five weeks since the first of the year in New York City, and it seems to be the opinion of some that conditions in our Southwestern country, especially Kansas, are not good. I do not know how this opinion could prevail. It surely has been started by someone who does not know the conditions at all as I took particular pains to inquire as to business all along the line, and came back with the feeling that we were in better shape than at any place between the Mountains and New York, at any rate.
You will remember our tractor show at Pichita, Kansas, last week which is a pretty good barometer for the farm market and I can say that I never have seen a crowd feel as optimistic since the peak period during the war.
I really felt that we were going to have a good crowd at Pichita as I took extra assistance there, not only to wait on the people but that they too could sound out conditions over the country, and they all came back with a feeling that they were going to run over the quota set for them for 1923.
Our sales are above the average for this time of year and we can't for the life of us, see how the east could get information that would lead them to think we are in bad shape out in the real "he-man" country.
Yours very truly,
TWIN CITY COMPANY
Manager.

Circulation 1,893,160

Arthur Capper
PUBLISHER

TOPEKA, KANSAS

THE CAPPER

Sections—Capper's Farmer—Oklahoma Farmer
Kansas Farmer and Mail and Breeze

CHARACTER

The advertising department of The Indianapolis News is proud to acknowledge that the paper is, very frankly, conducted from "upstairs." The editorial department and the business office work in perfect harmony, but from the days of John H. Holliday, in 1869, it has been recognized that The News is first a *newspaper*, second, an advertising medium.

With such a heritage it has been easy to establish and maintain the editorial and business policies which react to the benefit of *all* readers and *all* advertisers. Legitimate advertising, the commercial news of the day, has a place in a newspaper. Business is honorable. Advertising, its voice, needs no apology. Advertising in The News is never camouflaged to simulate news or editorial matter. There is no room for the speculator, the fake, the questionable or suspected advertiser. Rigid scrutiny protects the integrity of the advertising columns, as well as the editorial matter.

The advertising department makes no boast that these standards are part of the daily routine of the paper. An advertising department would not be conducted otherwise—on The News.

The Indianapolis News

FRANK T. CARROLL, *Advertising Manager*

New York Office
DAN A. CARROLL
150 Nassau St.

Chicago Office
J. E. LUTZ
The Tower Bldg.

Do You Cooperate

Tom Witten, exponent of the famous Trenton (Missouri) Community Idea, in speaking to hardware and implement dealers, says:

"Put the stuff on your counter and in your display windows that your farmer-customers are reading about in their farm papers. Then if you have only one or two salesmen working for you in your store, you will have an additional thousand or two working regularly for you right out on the farms. They'll help you do your canvassing, break the ice and wear out more cash registers.

"Not a week passes by but that I receive benefits from Capper Farm Press Advertising. The lines that attain the steadiest year-round sales are the advertised lines. When my farmer-customers get the impulse to buy from farm papers, I tell them where to buy it in my local newspaper advertisements, in my display windows, and on my counters.

"I have always felt an added degree of confidence in those products whose manufacturers believed in advertising because their own good

Circulation 1,593,160

Arthur Capper
PUBLISHER
TOPEKA, KANSAS

THE CAPPER
Sections—Capper's Farmer—Oklahoma Farmer
Kansas Farmer and Mail and Breeze

One of the 1600

Sixteen hundred newsboys, each in business for himself, deliver The News daily into 65,000 Indianapolis *homes*. More than 95% of The News city circulation is delivered at home—its proportionate street sale is probably less than that of any other metropolitan newspaper.

It is in the home that sales are made. It is into the home, into the heart of the family circle, that The News carries its selling messages. It is circulation that counts.

The Indianapolis News

FRANK T. CARROLL, *Advertising Manager*

New York Office
DAN A. CARROLL
150 Nassau St.

Chicago Office
J. E. LUTZ
The Tower Bldg.

Two Hundred Fifty-Six

Farm crops and livestock increased $1,729,543,000 in value in the 18 Capper Farm Press States between the dates December 1, 1921, and December 1, 1922.*

This remarkable increase made by these 18 states is 256.7% greater than the total increase made by all the other 30 states combined.

In other words, 72% of the entire United States' startling gain in agricultural prosperity in the last year was made by these 18 Capper Farm Press States.

From a volume standpoint these 18 states also made outstandingly greater gains in crop and livestock

Circulation 1,593,160

Arthur Capper
PUBLISHER
TOPEKA, KANSAS

THE CAPPER

Sections—Capper's Farmer - Oklahoma Farmer
Kansas Farmer and Mail and Breeze

THE News rate card carries every concession which even the most powerful advertiser can secure. Position is sold on a definite rate basis. The service of the merchandising department is available alike to all advertisers. There has never been a time in the history of The News when all local and national contracts could not be laid on the table before any interested person. Rigid censorship keeps the advertising columns clean, at a loss of hundreds of thousands of lines revenue annually, but insures the reputable advertiser of good company. At the same time the virile, independent policy of the editorial department, acknowledging no subservience to any class, creed or influence and fighting only for the welfare of the community, has built a reader loyalty, which while not expressed in the advertising rate, is amply reflected in the superior results accorded News advertisers.

The Indianapolis News

FRANK T. CARROLL, *Advertising Manager*

New York Office
DAN A. CARROLL
150 Nassau St

Chicago Office
J. E. LUTZ
The Tower Bldg.

One of the 63

Every evening 63 motor trucks speed out over the splendid concrete highways of central Indiana delivering the home edition of The Indianapolis News to farms and villages within a radius of thirty miles *at the same hour* the paper is delivered to city subscribers.

The influence of The News does not stop with its 75,000 circulation in Indianapolis and suburbs, it reaches out to include 45,000 subscribers in The Indianapolis Radius. The News reaches practically every worth-while family in Indianapolis, and these 45,000 more besides. The News is truly the key to a selling empire.

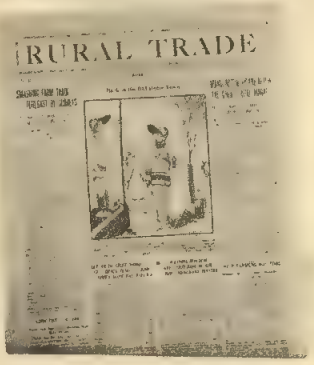
The Indianapolis News

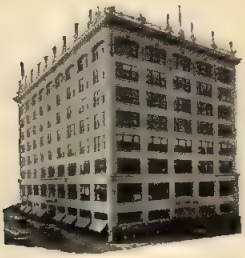
FRANK T. CARROLL, Advertising Manager

New York Office
DAN A. CARROLL
150 Nassau Street

Chicago Office
J. E. LUTZ
The Tower Building

Merchandising





The Wm. H. Block Company uses more space in The Indianapolis News than any other retail advertiser in any one newspaper in America.

What Influences the Dealer in Buying Your Merchandise?

The retailer is interested primarily in a *profitable volume.* He must meet the demands not only of varying seasons and styles, but for new brands which are constantly coming on the market. The Wm. H. Block Company does not stock a newspaper-advertised product just to be good fellows. Primarily they are interested neither in the success of a manufacturer nor a newspaper. But they will stock a new product or reorder an old one for which adequate advertising has been scheduled in The News on a non-cancellable basis, because they know that there will be a demand for it. They know that it would be bad business not to be able to meet that demand. No successful retail merchandiser, however, will carry the "gamble" on a new product. He will not stock it on a promise of advertising that is contingent upon a certain volume of goods being absorbed by the market. Newspaper advertising has a valuable dealer influence, but the indefinite promise of space should not be expected to get more than an indefinite promise of support from the retailer.

The Indianapolis News

FRANK T. CARROLL, *Advertising Manager*

New York Office
DAN A. CARROLL
150 Nassau Street

Chicago Office
J. E. LUTZ
The Tower Building

Your Banker will OK a Farm Paper Advertising Campaign today

Ask your banker about the farm market today.

Ask him if the agricultural situation has not improved to the point where an intensive sales and advertising drive would bring you highly profitable and much needed business.

Ask him if you can afford to remain out of the farm field.

We asked a group of the largest and most representative midwestern bankers regarding conditions. The telegraphic replies were optimistic, even enthusiastic. They told of increased marketings, higher prices, lowered interest rates, rapid liquidation of indebtedness (as much as 50% decrease reported in some sections), increasing deposits, and best of all, increased buying with certain prospects of further increases.

Farmers are buying heavily again, and buying will increase steadily throughout 1923.

Ask your banker about the most promising sales areas. Whether you should scatter your efforts and advertising thinly over the country as a whole, or rather, concentrate in one or more certain well-defined areas.

Ask him about the 18 Capper Farm Press States.

Circulation 1,593,160

Arthur Capper PUBLISHER
TOPEKA, KANSAS

THE CAPPER
Sections – Capper's Farmer – Oklahoma Farmer
Kansas Farmer and Mail and Breeze

Janesville's New Million Dollar High School

One of the paramount attractions for industry in a community is its educational advantage.

Janesville, Wisconsin, is growing. To take care of this growth the high school building, pictured above, was built and is now occupied.

This is but one indication of the wealth of this community—there are many others thoroughly covered in The Gazette's comprehensive survey of this rich market, ready for distribution soon. Send for your copy now. It will be forwarded when issued.

The Gazette absolutely dominates a 30-mile radius around Janesville, containing 122,000 prosperous people. No other medium or combination of mediums can be used to cover this market. The Gazette is the only available medium for developing increased sales volume.

THE JANESVILLE DAILY GAZETTE

H. H. BLISS, Publisher THOS. G. MURPHY, Adv. Mgr.

"An Unusual Newspaper"—Member of Wisconsin Daily League

M. C. WATSON, Eastern Rep., 286 Fifth Ave., New York City

THE ALLEN-KLAPP CO., Western Rep., 1836 Peoples Gas Bldg., Chicago

Stars that shine

If the 1,800,000 families in which McCall's Magazine is read all lived on a single street—a home every 25 feet—the houses would line both sides of a roadway from Boston to San Diego.

© 1922, The McCall Co.

April issue 1,800,000 copies

McCALL'S

Unlike Any Other Community

Joplin, Missouri

The Market 240,000

The main reason why Joplin should be included in most campaigns is because Joplin is the distributing center for a definite market of 240,000 people.

This is reflected by the fact that the Globe and News-Herald have over 30,000 paid circulation, although Joplin proper has only 30,000 population.

There are splendid and diverse wholesale concerns.

The distributing facilities are far and away above the average through 7 railroads, 2 electric lines and an abundance of exceptional roads.

Joplin is in the heart of the justly famous "Ozark Playgrounds," producing a tourist "crop" worth some 5 million dollars.

Fruit, grain and livestock, manufacturing, wholesaling, mining and "vacationing" combine to make a most exceptional market worthy of every advertiser's cultivation.

Unlike Any Other Newspapers

Joplin Globe & News-Herald

(A. B. C. Members)

Paid Circulation Over 30,000

Representatives

E. Katz Special Advertising Agency

New York Chicago Atlanta Kansas City San Francisco

NEW YORK STATE FARM PRODUCTS

There are nine co-operative marketing associations in New York State. One of these associations does a yearly business of more than $80,000,000.

Contributing greatly to the success of the co-operative marketing movement is the Dairymen's League News, the farmer-owned marketing paper.

The News each week carries several columns of editorial and news matter about co-operative marketing. It is regarded as the main champion of co-operative marketing in New York State.

For that reason it goes into the homes of more than 100,000 farm owners of the prosperous, progressive type who have the vision to get behind the co-operative movement.

The Dairymen's League News presents an exceptional advertising medium for the products farmers buy.

DAIRYMEN'S LEAGUE NEWS

"The Farmer-owned Marketing Paper"

UTICA, N.Y.

New York: 303 Fifth Avenue
Chicago: 608 Otis Building

Over 5,000 Increase In Circulation In One Year

THE Auditor's Report of the Audit Bureau of Circulations for the Period ending June 30, 1922, shows in the 2nd quarter of 1922 AN INCREASE IN THE JOURNAL-TRANSCRIPT DAILY CIRCULATION OF 5,103 Over One Year Previous (Net Paid).

The Publishers' Statement to the Audit Bureau of Circulations for period ending Sept. 30, 1922, shows AN ADDITIONAL INCREASE OF 870 Daily.

100% of the Home Delivered Circulation Is Paid Either in Advance or by the Week

(Independent Carrier System Used)

In Peoria
Buy VERIFIED Circulation
USE THE JOURNAL-TRANSCRIPT!

First in Dept. Store, Auto and Accessory, Food and Grocery, Local, National and Total Advertising for Past 6 Months

Write or wire for latest A. B. C. Report and Complete Facts on the Peoria Situation

National Representatives **Chas. H. Eddy Co.** NEW YORK CHICAGO BOSTON

In PEORIA Territory the JOURNAL-TRANSCRIPT Covers 32,180 of the total 37,500 Homes

Three Important Announcements

The Fifteenth Annual

Louisville Automotive Show

February 19th to 24th, inclusive

The Principal Automotive Exhibition South of the Ohio River

Sunday, February 18

The Courier-Journal

More than 60,000 Daily—More than 70,000 Sunday

Will Issue Its Fifteenth Annual

AUTOMOTIVE NUMBER

Wednesday Afternoon, February 21

The Louisville Times

More than 59,000 Every Issue

Will Issue Its Annual

MIDWEEK SHOW NUMBER

Space Reservations Should Not Be Delayed

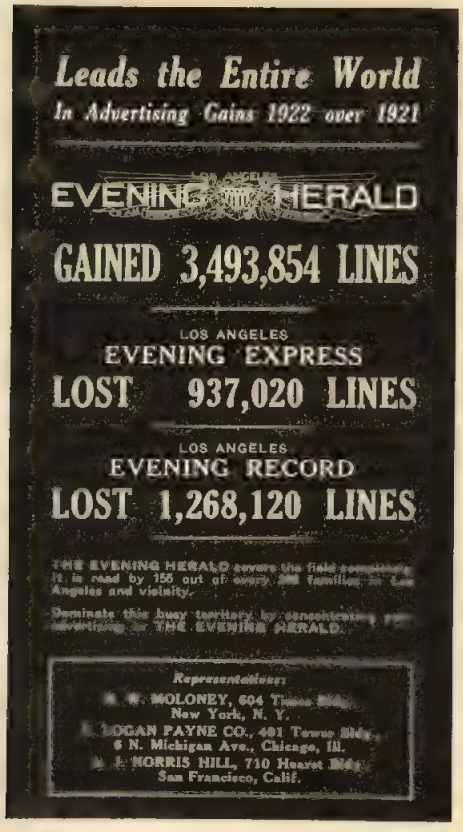
The Courier-Journal

—AND—

THE LOUISVILLE TIMES

THE S. C. BECKWITH SPECIAL AGENCY

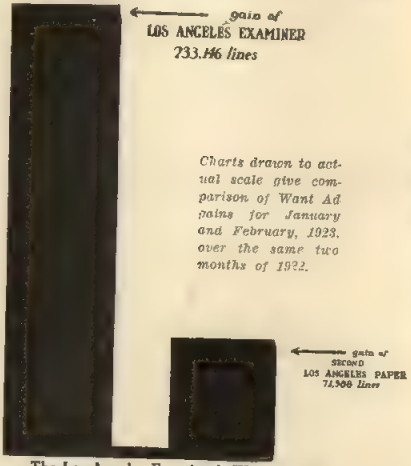
New York Chicago Detroit St. Louis Kansas City Atlanta


Leads the Entire World
In Advertising Gains 1922 over 1921
EVENING HERALD
GAINED 3,493,854 LINES
LOS ANGELES
EVENING EXPRESS
LOST 937,020 LINES
LOS ANGELES
EVENING RECORD
LOST 1,268,120 LINES
THE EVENING HERALD covers the field completely. It is read by 155 out of every 200 families in Los Angeles and vicinity.
Dominate this busy territory by concentrating your advertising in THE EVENING HERALD.
Representatives:
M. W. MOLONEY, 504 Times Bldg., New York, N. Y.
LOGAN PAYNE CO., 401 Tower Bldg., 6 N. Michigan Ave., Chicago, Ill.
M. J. MORRIS HILL, 710 Hearst Bldg., San Francisco, Calif.

Wonder Want Ad Record of the Age

Although The Los Angeles Examiner for the past three years gained a greater volume of Want Ads than any newspaper ever gained in a similar period and—*although The Examiner's gain in Want Ads for the year 1922 was almost one million lines . . .*

. . . the gain for January and February of this year alone is close to *a quarter million lines.*



Charts drawn to actual scale give comparison of Want Ad gains for January and February, 1923, over the same two months of 1922.

The Los Angeles Examiner's Want Ad gain for January and February was greater than the total gain of all other Los Angeles papers combined.

Los Angeles Examiner

For three years—greatest Want Ad gains in America

Is there a print shop in your office?

OR have you one elsewhere upon which you can rely as confidently as though it were actually a *part* of *your organization*—a printer who puts *himself* into your work as ardently as you would yourself if you were producing it?

Our customers have that kind of a printer.

THE WOODROW PRESS, INC.
351 WEST 52ND STREET NEW YORK

"Send it to Woodrow"

Are you on the Dead-Head List?

Even if you are receiving (gratis) 147 magazines you can't wade through all of them. We have performed that service for you and in Lefax Magazine present the essential information you would like to get out of the other 147. Lefax is a 96-page monthly pocket size. It is arranged so that articles of value may be kept permanently. At $3.00 you are getting the essence of 147 magazines each month. The articles are clipped, digested, systematized, reprinted and furnished to you in a pocket-size magazine.

You need not send us any money to get acquainted with the Lefax Magazine. We will enter your subscription and bill you with the understanding that if the first copy does not come up to your expectations you can cancel the subscription and owe us nothing. Why not try it? You can't lose.

LEFAX, Incorporated
141 So. Ninth St. Philadelphia, Pa.

Leadership

of

THE LOUISVILLE HERALD

Was again proven by its volume of Automobile advertising over all papers in Louisville, carried during the Automobile Show week of February 18th to 24th, inclusive.

The Herald's Lead in the Morning Field Was 3,329 Lines

Perhaps we are doing you a greater service than you imagine when we urge you to use the columns of The Herald to sell anything successfully from high class automobiles to the smallest of necessities at the minimum cost of circulation.

For more than fifty years The Herald has stood supreme as Kentucky's Greatest Newspaper—most profitable to advertisers requiring a concentrated circulation that counts for quality and quantity, and in a fruitful field that covers Louisville, Kentucky, and Southern Indiana.

The Shaffer Group

Chicago Evening Post
Indianapolis Star
Louisville Herald
Rocky Mountain News
Denver Times
Muncie Star
Terre Haute Star

Quality Publications

THE LOUISVILLE HERALD

Kentucky's Greatest Newspaper

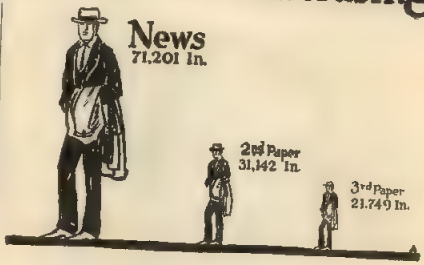
Foreign Representatives

KELLY SMITH Co
Marbridge Building . New York
Lytton Building . . Chicago

GEO. M. KOHN
Walton Building . . Atlanta

R. J. BIDWELL
Market St. . . . San Francisco
Times Bldg . . Los Angeles

Detroit News Also Leads In Men's Wear Advertising



THE leading department stores, boot and shoe houses, furniture dealers, jewelry merchants, women's wear stores and grocers prefer The Detroit News and spend from 60 to 80 per cent of their advertising appropriations in its columns.

The men's clothiers also find that the home paper—the paper that goes into the home and stays there—brings the best results.

During 1922 the 16 leading men's merchants used 71,201 inches of Detroit News space, while the second paper carried 31,142 inches, less than half, and the third paper but 21,749, less than a third. To sell the men of Detroit use The News, which reaches practically every home.

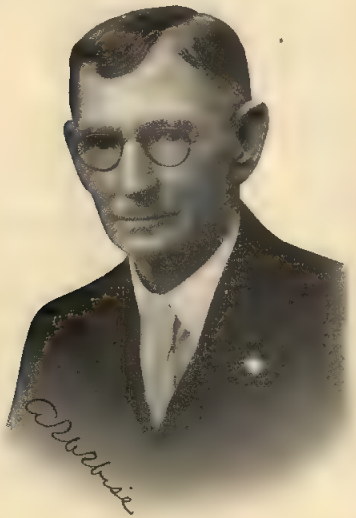
The Detroit News

Greatest Circulation Daily and Sunday in Michigan

"Always in the Lead"

LARGEST FARM PAPER—1,150,000

Kanred Wheat Growers
Readers of The Farm Journal



He gives to his public responsibilities the same close attention and determination to succeed which brought him success in farming.

THE FARM JOURNAL—1,150,000

Do You Seek to Reach People With Incomes of $5,000 a Year or Over?

ACCORDING to an analysis of the Federal Income Tax Reports for the year 1920, 628,000 persons acknowledged net incomes in excess of $5,000 a year.

According to New York State Income Tax Reports for the same period, there were 112,127 people in the State who acknowledged incomes of $5,000 or over.

A study of these returns shows that 78,902 reside in New York City and immediate New York State suburbs as follows:

	Number of Returns Over $5,000	Taxable Income Represented
New York City.....	74,154	$1,178,915,000
Mt. Vernon.....	1,145	13,666,900
New Rochelle.....	1,358	17,843,800
Ossining	98	1,564,700
Peekskill	109	1,122,600
Port Chester.....	171	2,532,000
White Plains.....	633	8,504,700
Yonkers	1,234	15,474,100
	78,902	$1,239,623,800

These figures would seem to indicate that these 78,902 people have 21 per cent. of the taxable wealth of the country.

Obviously, if you have an article you want to sell to people of this class, here is the largest group of them on earth, every member of which can be easily reached through the daily newspapers.

THE NEW YORK GLOBE

Member A.B.C. JASON ROGERS, *Publisher* *Member A.B.C.*

LORENZEN & THOMPSON, INC., Special Representatives

Chicago New York St. Louis Detroit San Francisco Los Angeles

Again First in Ohio

19,582,553 lines of Paid Advertising in 1922 ~~~~~
a GAIN of 1,724,243 lines over 1921~~~~~

Columbus

OHIO'S GREATEST

O'MARA & ORMSBEE—REPRESENTATIVES

The Dispatch leads in Ohio by over *2 Million* lines

First in 1921! Again first in 1922! The Columbus Dispatch has not only maintained its leadership but has increased it to the wide margin of 2,400,047 lines over any other newspaper in the entire state of Ohio.

Advertisers both local and national have found from a decade of experience that the Dispatch is the one big medium of Central Ohio in which to concentrate their appropriations.

During the past year, 266 yearly local display and nearly 500 national advertisers used no other Columbus evening newspaper. The Dispatch printed 2,804,731 lines more paid advertising than all other Columbus papers combined.

The Dispatch prints more than double the advertising and double the news of any other Columbus evening newspaper.

Dispatch

HOME DAILY!

NEW YORK - CHICAGO - SAN FRANSISCO

Revolutionizing the Newspaper Field.

Upsetting the Records of All Omaha Papers of All Times

THE OMAHA BEE

For the year 1922

Net Daily Gain, 14,153

Daily Average Circulation, 71,878

Net Sunday Gain, 18,932

Sunday Average Circulation, 77,521

Exceeding the gains (eleven months' figures) of the second paper by 6,927 copies Daily, and 7,190 Sunday; exceeding the gains (eleven months' figures) of the third paper by 6,117 copies Daily, and 9,734 Sunday.

By these unprecedented gains, based *on the superior merit* of The Omaha Bee as a newspaper and not on any freak of feature or trick of fortune

The Omaha Bee Cuts in Half

the former claimed lead of other papers, and proves how rapidly a *real newspaper* can acquire quantity and quality of circulation at the same time.

Hear Ye! Hear Ye!
All Advertisers!!

There is a *real buy* today in the Omaha field! 71,878 Daily and 77,521 Sunday circulation with PLUS BUYING POWER *and*—an advertising rate per 1,000 readers that is less (buying power considered) than that of any other paper.

Advertisers! It's 1923— Let's Go!

PUBLISHER'S REPRESENTATIVES:

PRUDDEN, KING & PRUDDEN
286 Fifth Avenue..... New York City
Steger Building..... Chicago, Illinois

FRED L. HALL
404 Shuren Building 55 New Montgomery Street
San Francisco, California

The Omaha Bee

THE BEE PUBLISHING COMPANY, Inc.
N. B. Updike, Publisher B. Brewer, General Manager

A YEAR OF ACHIEVEMENT

THE LINCOLN STAR

Breaks All Past Records in its Advertising Lead for 1922

The Year's Record Shows:

	THE STAR	Other Paper
Local Advertising . . .	4,583,670 lines	3,783,654 lines
National " . . .	1,306,928 "	963,676 "
Classified " . . .	1,085,980 "	895,230 "
Total	6,976,578 "	5,642,560 "

The Star's excess over the other paper was 1,334,018 lines, or 95,287 column inches.

The Greatest Advertising Lead in the History of the Paper

A new home for The Star—three times as large as the present quarters is now under construction.

A new Hoe Superspeed Octuple Press has been ordered to take care of the growing circulation and advertising volume.

Net Paid Daily Circulation Now Over 39,000

The largest circulation in the history of the paper.

THE LINCOLN STAR

Nebraska's Best Newspaper

Eastern Representatives
BENJAMIN & KENTNOR CO.
225 Fifth Avenue
New York, N. Y.

Western Representatives
THE FORD-PARSONS CO.
930 Marquette Building
Chicago

The Brandeis Store of Omaha, one of the largest mercantile establishments in the Middle West.

Geo. Brandeis says:

"Horace Greeley's advice, 'Go West, Young Man,' still holds good, for the West, being the center of 'hogs and hominy,' feeds the world. This explains the splendid and ever-improving business conditions in this section."

The Brandeis Store placed

41%

of their 1922 lineage in the World-Herald

44%

of the total department store lineage in the three Omaha papers appeared in the World-Herald

A CITY of 200,000 and trading territory (40 miles) of 220,000 ambitious, aspiring people with money to spend offers the National Manufacturer a wonderful field for the further distribution and sale of his product.

Omaha World-Herald

National Representatives O'Mara & Ormsbee, Inc.
New York Chicago San Francisco

Over a Million Lines Gained!

In 1922 the World-Herald published 1,102,241 lines of paid advertising MORE than it did in 1921. This increase was over five times the increase made by the next Omaha paper. The third paper lost.

The World-Herald published 49.4% (or almost half) of the clean paid advertising in the three Omaha papers in 1921-22.

The figures below represent the agate lines of clean paid advertising in the three Omaha papers in 1921-22, medical ads being deducted from the other papers' totals, as the World-Herald refuses them all:

	World-Herald	Next Paper	Third Paper
1922	11,261,264	6,154,778	5,371,604
1921	10,159,023	5,944,120	5,842,592
Gained	1,102,241	210,658	
Lost			471,988

The following figures show the percentages of the total clean advertising in the three Omaha papers, published individually by each newspaper in the years shown. For example, the World-Herald published 43.66% of the total clean advertising in all the papers in 1920, 46.29% in 1921 and 49.42%, or almost half, in 1922.

	World-Herald	Next Paper	Third Paper
1922	49.42%	27.01%	23.57%
1921	46.29%	27.07%	26.64%
1920	43.66%	27.32%	29.02%

The World-Herald's city circulation is 40 per cent greater than that of either of the other Omaha newspapers. It is for this reason that the advertiser is able to concentrate his efforts in the World-Herald and to be certain of far greater returns than he can secure elsewhere.

Omaha World-Herald

National Representatives:
O'MARA & ORMSBEE, INC.
New York Chicago San Francisco

Back General Publicity with *Mail Advertising*

If you are doing magazine advertising—back that publicity with *direct mail* support. In that way you increase the effectiveness of your general advertising, extend its influence, and make it more productive. For instance:

—give every inquiry a prompt and effective follow-up.

—reach dealers, special lists, etc., with letters and proofs of current advertising.

—tie up to dealers with full information as to current publicity, suggestions for taking advantages of periodical advertising, ideas for display, trims, etc.

—let jobbers and their salesmen know what you are doing to create further demand. Furnish helpful information to dealers. Adopt mail methods for inducing dealers to push your line and sell more efficiently.

—issue a house magazine for automatically keeping before the field, to build good-will, help the sales force, etc.

—work out merchandising plans so that all your advertising is harmonized—insuring maximum results.

Let us help you!

Buckley, Dement & Co.

First in Direct Advertising

1316 JACKSON BLVD. CHICAGO

THE ADVERTISERS
A. B. C.

AN Outline of Advertising in a handy booklet that fits the pocket.

States in a clear, concise way the basic angles from which all advertising problems must be considered.

Invaluable to every advertising and business man who wishes to plan or check up an advertising campaign. Sent free upon request.

What well-known business men say:

"Every business man interested in advertising should read this little book."—Mortimer D. Bryant, Bryant, Griffith & Brunson, Inc.

"A brief of advertising fundamentals comprehensively set forth."—Edward J. Noble, President, Mint Products Company, Inc.

"A complete exposition of the fundamentals of advertising procedure."—Philip F. Cohan, President, United Happiness Candy Stores.

STANLEY E. GUNNISON, INC.
ADVERTISING MERCHANDISING
30 Church Street, New York
Telephone 5191 Cortlandt

Greatness Through Simplicity

While many American newspapers make frantic efforts to win public approval through development of the sensational, the freakish and the bizarre, The Portland Oregonian continues a constant embodiment of newspaper greatness which has been achieved largely through simplicity.

It speaks in clear, concise English; its make-up is orderly and plain; it is clean—these are simple virtues, but, coupled with them is a scope of news service seldom equaled and a record of 75 years of sound editorial policy.

There is no other paper like The Oregonian in all the west—few like it in all the world. The folks who read it have little taste for newspapers of poorer quality—they are satisfied with nothing less than The Oregonian's standards of excellence.

This is why no other newspaper in the Pacific northwest approaches The Oregonian in influence or prestige—why it leads all others in circulation and advertising volume.

Average paid circulation February, 1923:

Daily 85,633
Sunday 123,814

The Oregonian

The Great Newspaper of the Pacific Northwest.

Represented by

Verree & Conklin, Inc., 500 Madison Ave., New York.
Verree & Conklin, Inc., 28 E. Jackson Blvd., Chicago.
Verree & Conklin, Inc., 117 Lafayette Blvd., Detroit.
Verree & Conklin, Inc. Monadnock Bldg., San Francisco.

In 1922 Portland was first among Pacific Coast ports and sixth among all the ports of the United States in volume of exports to foreign countries.

More than forty steamship lines, reaching practically every important port of the world, now give regular service to the Port of Portland.

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STANLEY E. GUNNISON, INC.
ADVERTISING MERCHANDISING
30 Church Street, New York
Telephone 5191 Cortlandt

"FIRST BY MERIT"
— in Service to Readers
— in Results to Advertisers

During the Year of 1922

THE PEORIA JOURNAL
and
The Peoria Transcript

made the greatest strides in their History — — —

18 3/4% Gain in Circulation!
—Verified by Audit Bureau of Circulations

For Complete Data on the Peoria Market Call or Write
Advertising Manager, Peoria Journal-Transcript, Peoria, Illinois

CHAS. H. EDDY CO. – CHICAGO – NEW YORK – BOSTON

"The First Paper in
PEORIA
The Second City in Illinois"

Leader in Rotogravure Advertising

In 1922 The New York Times published 852,148 agate lines of rotogravure advertising, 147,607 lines more than in 1921 and an excess over the next New York newspaper of 299,782 lines. The gain of The Times was nearly 42 per cent. of the gain of all the graphic sections.

	1922 AGATE LINES	1921 AGATE LINES	GAIN AGATE LINES
THE NEW YORK TIMES	852,148	704,542	147,606
Second newspaper . .	552,366	497,052	55,314
Third Newspaper . . .	321,198	255,578	65,620
Fourth newspaper . .	318,544	233,014	85,530

The New York Times is read in 8,000 cities, towns and villages of the United States by the largest group of intelligent, discriminating and responsive persons ever assembled by a newspaper. Its weekday circulation is 350,000 copies and on Sunday the sales greatly exceed 550,000.

PEORIA'S LARGEST DEPARTMENT STORE

15 Local Groceries, 11 Automobile Agencies, and Scores of Other Local and National Advertisers

USE THE JOURNAL-TRANSCRIPT *EXCLUSIVELY—*

Feeling that the Morning Transcript and the Evening Journal combination covered the buying power of the Peoria market, the **Block & Kuhl Company, Peoria's largest department store** used these papers exclusively from February 1st, 1922, to September 1st, 1922. At the beginning of the second year this concern contracted for **1½ million lines** to be used in the Journal-Transcript for this year.

THE REASON One or the other of these papers goes into 9 out of 10 homes in Peoria territory where a daily paper is taken

THE PEORIA JOURNAL-TRANSCRIPT
PEORIA, ILLINOIS

CHAS. H. EDDY CO.,
Representatives
CHICAGO NEW YORK
BOSTON

Philadelphia

Third Largest City in America, is Breaking Building Records

22,588 building operations with a total cost of $114,881,040 were begun during 1922 in Philadelphia, according to the annual report of the Bureau of Building Inspection.

Of this big sum, $49,273,320 was for 9,651 dwellings, and $5,000,000 for apartments—almost fifty per cent of the total spent for real family homes in "the city of homes."

In addition, the city of Philadelphia is spending millions of dollars for sewer construction, highway betterments, subway and elevated transit and other improvements.

With this great addition to its buildings, and with every indication pointing to continuation of the construction programme, Philadelphia offers greater opportunities than ever before to manufacturers of all kinds of goods.

Dominate Philadelphia

Create maximum impression at one cost by concentrating in the newspaper "nearly everybody" reads—

The Bulletin

"In Philadelphia nearly everybody reads The Bulletin"

The circulation of The Philadelphia Bulletin is larger than that of any other daily or Sunday newspaper published in Pennsylvania and is one of the largest in America.

Net paid daily average circulation for 1922 —493,240 copies a day.

New York—Dan A. Carroll, 150 Nassau St.
Chicago—Verree & Conklin, Inc., 23 East Jackson Blvd.
Detroit—C. L. Weaver, Verree & Conklin, Inc., 117 Lafayette Blvd.
San Francisco—Allen Hofmann, Verree & Conklin, Inc., 681 Market St
London—M Bryans, 125 Pall Mall, S. W. 1
Paris—Ray A. Washburn, 5 rue Lamartine (9)

(Copyrighted 1923 Bulletin Company)

29,427

29,427 was the average net paid circulation of the Portland Press Herald for February, 1923.

This is a gain of 57% over February, 1922 and a gain of 24% over the average for the three summer months of 1922.

PRESS HERALD
PORTLAND, MAINE

Special Representatives
POWERS & STONE, INC.
New York Boston Chicago

Rand McNally Map Systems

give quick and accurate sales information

GUESSWORK and half-knowledge have no place in the decisions of a sales manager. *Your* information must be complete and accurate. And it must be right at hand—lest opportunity slip away while facts are hunted and figures checked!

A RAND MCNALLY Map System serves you in just these ways! It presents in graphic, quickly readable form, just the information you need! On it you can lay out sales campaigns and tally their progress, checking from day to day the calls of salesmen and the results at-

A Special Combination Rate

for space in The Providence Journal and The Evening Bulletin is now offered to national advertisers who desire to cover Rhode Island at the least possible cost. Space may be bought separately in each paper, but there is a decided saving offered in the combination. (The Sunday Journal is not sold in combination.)

The Providence Journal

(Morning and Sunday)

and

The Evening Bulletin

Rhode Island's Great and Influential Newspapers

cover the State thoroughly. There are few worthwhile homes in which one or the other is not read. They are home newspapers, independent politically, and do not cater to any class or sect. The news columns are clean and free from sensationalism. The circulation is largely home delivered—the most effective kind for advertisers.

Duplication

is the title of a booklet recently published which shows the small amount of duplication (less than 7%) between the two papers. A copy will be mailed to any advertiser, together with rates and complete information regarding this productive territory, upon request.

Providence Journal Co.
Providence, R. I.

Representatives

CHAS. H. EDDY CO.
Boston New York Chicago

R. J. BIDWELL CO.
San Francisco Los Angeles

Announcing New Ownership

Statement of the Retiring Publisher

With the April issue, the HARDWARE DEALERS' MAGAZINE has been purchased by the publishers of the "American Exporter," to whom I have sold this business.

The new owners are the publishers of one of the oldest, largest and most progressive business papers, and the dominant one in the export field.

In parting with my publication and in retiring from active business after 29 years of publishing the HARDWARE DEALERS' MAGAZINE, I am gratified that my paper passes into the hands of a publishing institution of high ideals, and that it will assuredly enter an era of increased activity and greater service to its industry.

The record of the present management of the "American Exporter," representing a family of pioneer publishers of business papers, in developing the "American Exporter" from a comparatively small publication 18 years ago to become one of the outstanding trade journals of the country, is an assurance of their qualification to direct the HARDWARE DEALERS' MAGAZINE.

The affiliation of the two publications will add strength to each and will give hardware manufacturers a service of world-wide scope.

It is particularly promising that the new publishers of the HARDWARE DEALERS' MAGAZINE have associated with them as Vice-President and Editor, Mr. Roy F. Soule, who is so well known to the hardware field that he needs no introduction. In giving his entire energy, enthusiasm and personality to the HARDWARE DEALERS' MAGAZINE, there is no doubt of the leadership this publication will exert in its field.

In bidding farewell to the hardware trade, I wish to express my deep sense of appreciation for the years of loyal friendship and bespeak for the new organization the hearty support of the friends of the HARDWARE DEALERS' MAGAZINE. I give my assurance that the magazine will abundantly reward them for their support.

Very truly yours,

Daniel T. Mallett

PUBLIC LEDGER

"The Best All Around Newspaper in America"

Syracuse University
Syracuse, N. Y.

THE PUBLIC LEDGER is *first* and *always* a NEWSpaper, pre-eminent in the volume and scope of its World News, remarkable for its Business News and famed for its editorial comments on subjects of the day.

THE PUBLIC LEDGER is a superior newspaper with a superior kind of circulation, which has increased in nine years from 45,000 to more than 260,000 for its daily editions, and more than 220,000 on Sundays.

Boston Globe
Baltimore Sun
New York Times
Philadelphia Public Ledger
St. Louis Globe Democrat
San Francisco Bulletin
Minneapolis Tribune
Des Moines Register and Tribune

Guy S. Osborn

Incorporated

Tribune Building, Chicago

Detroit Office:
Ford Building

St. Louis Office:
Globe Democrat Building

Richmond (Va.) Leads!

In Department Store Gains

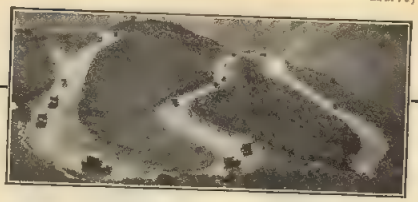
TWELVE per cent increase in business for the last five months of 1922, the largest in the Fifth Federal Reserve Bank District, according to the official government report. Compared with the one-half of 1% gain of Washington, and 7.9% gain of Baltimore, it is a conclusive proof of the growing importance of Richmond as a retail center.

THAT The Evening Dispatch is keeping pace with Richmond's development is indicated by its December, 1922, gain of 33% in advertising, as compared with December, 1921. The Evening Dispatch and Times-Dispatch can be bought in daily combination at 11c, which offers an excellent medium for thorough coverage of this fertile field. A Service Department is maintained, which will gladly co-operate with you in your sales efforts.

Richmond Times-Dispatch
MORNING AND SUNDAY

The Evening Dispatch

Story, Brooks & Finley, Special Representatives
New York, Philadelphia, Chicago



Obviously—100 responsible customers who are able to buy abundantly and pay their bills are worth more to any business than 500 who are able only to look in the window and wish. What is true of 100 is equally true of 1,000.

In Denver, *The Rocky Mountain News* (morning) and *The Denver Times* (evening), circulate almost entirely among the more substantial class—people who have money with which to buy. This explains why more automobiles and accessories are sold in Denver and the Rocky Mountain region, thru advertisements appearing in

THE ROCKY MOUNTAIN NEWS

and

THE DENVER TIMES

than any other medium in this section. The fact that these papers have for years carried the largest total lineage of local automobile advertising further demonstrates the truth of the above statement.

The Shaffer Group

Chicago Evening Post
Indianapolis Star
Louisville Herald
Rocky Mountain News
Denver Times
Muncie Star
Terre Haute Star

Quality Publications

Being on the field, local dealers and distributors understand conditions and know the results that have and are being produced thru News-Times advertising. Almost invariably they recommend these newspapers to their principals.

REPRESENTATIVES

VERREE & CONKLIN, INC.
300 Madison Avenue
New York City
Steger Building
Chicago, Ill.
Free Press Building
Detroit, Mich

R. J. BIDWELL CO.
742 Market Street
San Francisco, Cal.
Times Building
Los Angeles, Calif.

WANTED
Writer of PLAIN, HUMAN Advertising

—who would like to tackle and master the writing of advertising copy for a firm which mails nine million letters, booklets and folders per year to the business and professional men of America;

—who wishes to receive what he is worth, no matter what the figure may be;

—who would enjoy a happy business family to work in; and a city of small size to live in;

—who would like to be one of a young personnel with vision, progressive spirit and speed;

—who desires to make his last change and settle himself for life, in a sound, stable business already grown to large figures.

A man of the calibre we seek may hesitate to answer an advertisement. Don't have false pride. Big men and big business concerns are coming more and more to make each other's acquaintance through the medium of advertising.

We prefer a man under thirty-five—and a Gentile.

He need not have had previous experience as a mail-order executive, nor as an advertising man. **Perhaps he is now a newspaper reporter or an editor or a contributor to magazines or a writer of books.** Or perhaps he is right now producing direct-to-the-consumer mail-order advertising that is pulling exceptional results.

We want a man whose copy will be NATURAL, SINCERE and CONVINCING rather than clever; who can tell his readers plain truths in a homely but interest-gripping way; who can write the kind of copy that makes the reader feel an irresistible "urge" to buy and a complete confidence in the firm which is selling.

Write us about yourself. Give full particulars of your business history, your present salary, bonus, etc.

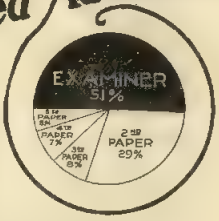
Be very sure to enclose samples of your work to show us that you can write forcefully.

The right man will receive an adequate salary to start; and if he makes good he can ultimately have an interest in the business.

Your communication will be held in strictest confidence.

"EXECUTIVE," Box 284, care of Printers' Ink.

The Examiner in San Francisco Overwhelmingly Leads in Classified Advertising



During 1922 the San Francisco Examiner carried 5,306,686 lines of Classified Advertising.

—Which was more than that carried by the Chronicle, Bulletin, Call-Post and News combined!

—2,322,152 lines more than was carried by its closest competitor.

—3,294,242 lines more than was printed by all evening newspapers combined.

Further evidence of the San Francisco Examiner's Want Ad supremacy is reflected in the remarkable gain of 377,874 lines of Classified Advertising during 1922 over 1921

—three times greater than the combined gains made by all other San Francisco newspapers

Here are the figures:	1922	1921	Gain
The Examiner	5,306,686	4,928,812	377,874
Second Paper	2,984,534	2,833,664	100,870
Third Paper	700,574	688,058	12,516
Fourth Paper	789,026	795,788	*6,762
Fifth Paper	522,844	513,352	9,492

*Indicates loss

To carry such a tremendous volume of Want Ads in excess of all other San Francisco newspapers shows conclusively that The Examiner successfully serves the wants and offers of the greatest number of people—

—again emphasizing that in San Francisco

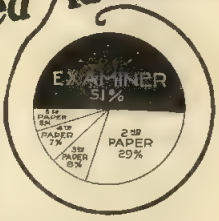
"There Is No Substitute for Circulation"

San Francisco Examiner
Monarch of the Dailies

W. W. CHEW
1819 Broadway, New York

W. H. WILSON
Hearst Bldg. Chicago

The Examiner in San Francisco Overwhelmingly Leads in Classified Advertising



During 1922 the San Francisco Examiner carried 5,306,686 lines of Classified Advertising.

—Which was more than that carried by the Chronicle, Bulletin, Call-Post and News combined!

—2,322,152 lines more than was carried by its closest competitor.

—3,294,242 lines more than was printed by all evening newspapers combined.

Further evidence of the San Francisco Examiner's Want Ad supremacy is reflected in the remarkable gain of 377,874 lines of Classified Advertising during 1922 over 1921

—three times greater than the combined gains made by all other San Francisco newspapers

Here are the figures:	1922	1921	Gain
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Monarch of the Dailies

W. W. CHEW
1819 Broadway, New York

W. H. WILSON
Hearst Bldg. Chicago

WANTED
Writer of PLAIN, HUMAN Advertising

—who would like to tackle and master the writing of advertising copy for a firm which mails nine million letters, booklets and folders per year to the business and professional men of America;

—who wishes to receive what he is worth, no matter what the figure may be;

—who would enjoy a happy business family to work in; and a city of small size to live in;

—who would like to be one of a young personnel with vision, progressive spirit and speed;

—who desires to make his last change and settle himself for life, in a sound, stable business already grown to large figures.

A man of the calibre we seek may hesitate to answer an advertisement. Don't have false pride. Big men and big business concerns are coming more and more to make each other's acquaintance through the medium of advertising.

We prefer a man under thirty-five—and a Gentile.

He need not have had previous experience as a mail-order executive, nor as an advertising man. **Perhaps he is now a newspaper reporter or an editor or a contributor to magazines or a writer of books.** Or perhaps he is right now producing direct-to-the-consumer mail-order advertising that is pulling exceptional results.

We want a man whose copy will be NATURAL, SINCERE and CONVINCING rather than clever; who can tell his readers plain truths in a homely but interest-gripping way; who can write the kind of copy that makes the reader feel an irresistible "urge" to buy and a complete confidence in the firm which is selling.

Write us about yourself. Give full particulars of your business history, your present salary, bonus, etc.

Be very sure to enclose samples of your work to show us that you can write forcefully.

The right man will receive an adequate salary to start; and if he makes good he can ultimately have an interest in the business.

Your communication will be held in strictest confidence.

"EXECUTIVE," Box 284, care of Printers' Ink.

true-talk

about SEATTLE and her newspapers

1 The Mansions on the Hills.

Like Ancient Rome, Seattle is founded on hills. These hills are the centers of distinct groups of population which, reaching out, have gradually merged into one.

Mansions of the wealthy top the hills; there is no single high-class residential section—nor any slums.

A unique situation indeed. Judge then how evenly the Star's city circulation covers the city when the figures show that no hill-section receives many more Stars than any other—it reaches mansions and masses alike.

GILMAN, NICOLL & RUTHMAN

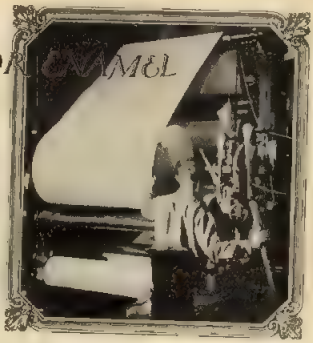
Representatives

Canadian Pacific Bldg., New York
Tribune Bldg., Chicago
Tremont Bldg., Boston
Monadnock Bldg., San Francisco

The Seattle Star

the Quality and Quantity Paper of Seattle!

SUPERIOR ENAMEL



CALENDERING MACHINE

Where gloss is put on Superior Enamel. Q After every precaution is taken with formula, material and equipment, vigilance is not suspended in the Allied Mills. For it is at this point that paper takes on or loses quality. The human element determines largely how good a sheet will be. With born paper makers at work in the Allied Mills—1500 of them—a high standard of quality is assured for all Allied Papers.

For Better Catalogs and Booklets

SUPERIOR Enamel offers you a well coated surface that takes beautiful impressions—that holds the fine tracery of delicate engravings—that brings out the *full* richness of colors from process plates.

With *Superior Enamel* you can retain much of the beauty that one naturally expects to sacrifice in a catalog or booklet printed on a coated paper that is not too expensive. For this is an *Allied* paper—which means that it is made from carefully selected raw material and is handled by men who *live* paper and *know* how to work exceptional quality into it.

* * * *

Superfine Enamel is an aristocrat of coated papers; *Superba* is another high grade enamel; while *Porcelain* admirably meets the need for a coated paper even lower priced than *Superior*. If you are after fine results and the *exact* stock for your *particular* needs, go over these Allied Papers with your printers. We will gladly send samples on request.

ALLIED PAPER MILLS, Kalamazoo, Michigan
In writing for samples please address Desk 3, Office 3
New York Warehouse: 471-473 Eleventh Avenue

ALLIED PAPERS

10 Paper Machines — BARDEEN DIVISION — KING DIVISION — 24 Coating Machines — MONARCH DIVISION

true-talk

about SEATTLE and her newspapers

2

The Slumless City

FEW TENEMENTS — no slums — no concentration of the poor—and therefore no single wealthy residential district.

How, you ask, does such a city "happen"?

Simply, first, because only one-sixth of Seattle's people are foreign. Second, because Seattle is a city on hills and the more wealthy citizens (seeking the heights) thus have their homes scattered the length and breadth of the city.

Add to your realization of this peculiar fact the fact that the Star's circulation is spread evenly over the various hill-sections and you can see why this paper today offers such thorough advertising VALUE.

GILMAN, NICOLL & RUTHMAN

Representatives

Canadian Pacific Bldg. New York
Tribune Bldg., Chicago
Tremont Bldg., Boston
Monadnock Bldg., San Francisco

The Seattle Star

The Quality and Quantity Paper of Seattle!

How the Illustrated Letter Is Being Used to Get Added Sales

Because of their economy, effectiveness and adaptability, four-page illustrated letters are being widely used by companies in many different lines. You can find them selling automobiles and files, clothing and plows, electric hoists and steam traps. Every company that is using them wisely is getting results in sales. What companies like Marmon, Blaw-Knox, Payette R. Plumb, Inc., and others are doing with illustrated letters is explained in an article by C. B. Larrabee, with several illustrations of actual letters in the April issue of PRINTERS' INK MONTHLY.

The Use of Automobiles in Small-Town Sales Work

What is the best type of automobile for salesmen? Where can salesmen use cars to best advantage? What is the ideal equipment for salesmen's cars? Why should salesmen's cars be insured? How can you dispose of old cars? These and many other questions are answered by J. J. Witherspoon, in an article in the April Monthly, which is based on the experiences of thirty of the biggest users of automobiles in the country.

Back to Fundamentals in Advertising to Foreign Markets

"A lot of Americans seems to think just because this is Paris everything must be up to 1923, or beyond," said an executive of the Paris Branch of the Burroughs Adding Machine Company. "In some things it is; but in others the country is still back in 1860. Our problem is to make our publicity cover both dates." J. R. Sprague, to whom he was speaking, is just finishing a six-months' investigation of business in Europe. What he has learned about advertising to foreign markets is told in an illuminating article in the April Monthly.

Also in the April issue of *Printers' Ink Monthly* are

WHAT TO DO BEFORE MAKING UP THE SALES QUOTA
"SOFT-BOILED SALESMANSHIP"
IS THE RECIPE BOOKLET GOOD ADVERTISING?
DISPLAY CONTAINERS THAT WILL INCREASE YOUR SALES
MAKING IT EASIER FOR SALESMEN TO MERCHANDISE ADVERTISING

and fifteen other significant, how-to, advertising and sales articles of vital interest to the executive.

PRINTERS' INK MONTHLY

25 cents a copy $2.00 a year

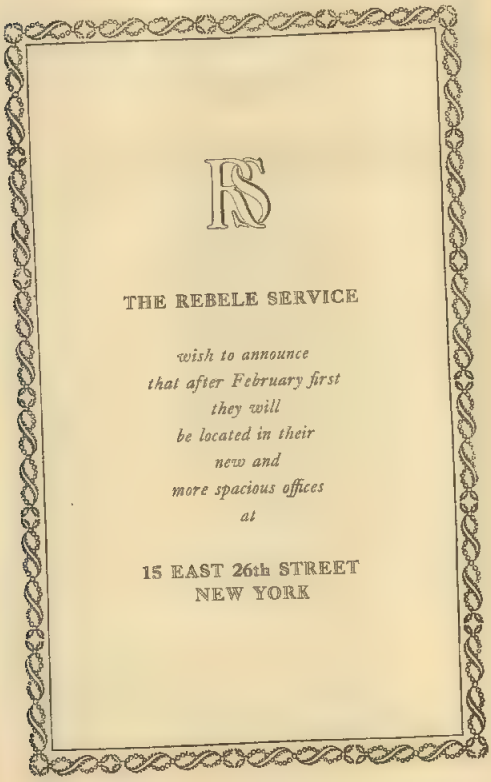
185 Madison Avenue New York

The Seattle Times

—Seattle's Only Seattle Newspaper

—Carried nearly as much advertising in the year 1922 as all of its competitors put together.

Ask Beckwith, World Building. He Knows!


RS
THE REBELE SERVICE
wish to announce
that after February first
they will
be located in their
new and
more spacious offices
at
15 EAST 26th STREET
NEW YORK

THE SEATTLE TIMES
DOMINATES FIELD

Western City Supports Her Only Home-Owned and Home-Operated Paper

TOTALS FOR THE YEAR 1922

	1921 Column Inches		1922 Column Inches	Gain Column Inches	Loss Column Inches
The Times . . .		855,963	892,052	36,089	. . . .
Morning Competitor Locally Handled Business	671,851		Morning Competitor Locally Handled Business 612,992		
Business in Hearst Weekly Supplement, circulated with morning paper . .	20,164	692,015	Business in Hearst Weekly Supplement, circulated with morning paper . . 41,912	654,904	 37,111
Evening Competitor		416,052	395,871	. . . .	20,181

Forty Million Dollars

On the Horizon for Shreveport Farmers

So much attention is paid to Shreveport as an oil and gas center, as a lumber region, and as a manufacturing zone, that its importance as an agricultural district is perhaps not fully realized.

By official estimate the value of the farm crops grown in 1921 in the Shreveport territory was $25,000,000.

In 1922 it is conservatively estimated that farmers in this territory will receive $40,000,000 for their crops, an increase over 1921 of $15,000,000.

Shreveport's permanent prosperity is built upon agriculture. Long before oil and gas were discovered, Shreveport was a wealthy and thriving city. Other resources have helped to expedite its progress, but its fundamental wealth and advancement rest soundly upon the successful crops grown in the fertile valley of which it is the trade and marketing center.

The Shreveport Times covers the farm lands and farm homes of this section as thoroughly as it reaches the city buyers. It is the direct and logical medium for selling all kinds of goods to the prosperous agricultural district around Shreveport. Large circulation and thorough distribution make it the only medium needed.

The Shreveport Times

Published Every Morning in the Year

ROBT. EWING, Publisher JOHN D. EWING, Asso. Publisher

S. C. BECKWITH SPECIAL AGENCY, *New York Representatives*

JOHN N. BRANHAM COMPANY, *Chicago Representatives*

SIOUX CITY

IS

First in Iowa

AS A

MANUFACTURING

AND

JOBBING CENTER

$289,583,000 worth of goods were manufactured and jobbed in Sioux City in 1922.

Cultivate the BEST market in the BEST State.

Of course you'll want to use the Tribune. Many advertisers use it exclusively. All evening city carrier and larger country circulation.

The Sioux City Tribune

"More than a Newspaper"

WILLIAMS, LAWRENCE & CRESMER COMPANY

Representatives

NEW YORK CHICAGO SAN FRANCISCO LOS ANGELES

In Sioux City it's the Territory

--how

Universal Mfg Co Building

ST. LOUIS
AUTO SHOW
Feb. 10-17 incl.

St. Louis Globe-

F. St. J. Richards
NEW YORK

Guy S. Osborn
CHICAGO

Dorland Agency, Ltd., LONDON

Christmas Faces
Ninth Group
32
33
34
Who will Win $1000.00 in Gold?
"Find the Christmas Face" Contest
Ask your Gillette Dealer for Gillette Price Book with Conditions of Contest
Christmas morning—
and each man on your Christmas list opens up your gift—
A New Improved Gillette
Those quick, glad smiles show how right you were.
A lifetime of service—and every day a grateful remembrance of you!
GILLETTE SAFETY RAZOR CO.
BOSTON, U. S. A.
The New Improved Gillette SAFETY RAZOR
The CHIPPENDALE

St. Louis is not "dominated" by any one newspaper

The Gillette Christmas Face Contest Announcements appeared in St. Louis exclusively in the two principal evening newspapers.

One of them, necessarily,

THE ST. LOUIS STAR

National Advertising Representatives

STORY, BROOKS & FINLEY

New York Chicago Philadelphia St. Louis
Los Angeles San Francisco

Syracuse Post-Standard Circulation

54,313

Leading Other Syracuse Daily Newspapers by Several Thousands

25% more than daily Herald
16% more than The Journal

The Post-Standard is the best buy for a national advertiser seeking largest circulation, concentrated home delivery and direct results

PAUL BLOCK, Inc., Representatives
New York Chicago Boston Detroit

28,226

28,226 is the Portland Press Herald's average net paid circulation for December, 1922.

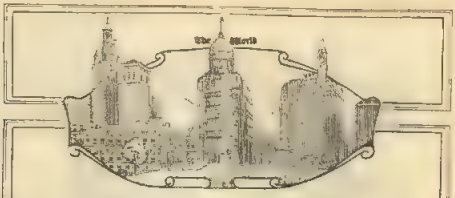
This paper gained 71% in circulation from Oct. 1, 1921 to the end of 1922.

It gained 16% through the last three months of 1922.

PRESS HERALD

Portland, Maine

"Maine is a Morning Paper State"



Volume!

DURING the year 1922, THE WORLD carried 17,244,090 lines of advertising. This volume was

21.5% of the total volume of the morning and Sunday field in New York, and

24.7% of the total volume of the weekday field alone.

The six morning and Sunday papers of the city combined showed a gain of 8% over the preceding year.

THE WORLD'S gain of 2,723,496 lines was nearly 19% over 1921, or more than double the ratio of increase of its field.

Advertisers who are guided by vision in the choice of their mediums are centering their efforts in

The World

MALLERS BUILDING CHICAGO | PULITZER BUILDING NEW YORK | FORD BUILDING DETROIT

The truck

David Beecroft, world-known Automotive Authority, has made an intensive study of the truck industry.

His findings and deductions will be of interest to truck builders and truck users as well as to all concerned with the advertising of trucks and truck equipment.

"What's Wrong with the Truck Industry?" by David Beecroft

Write for your copy.

MOTOR TRANSPORT, formerly the COMMERCIAL VEHICLE, is devoted to the development of the art and science of the transport of commodities by Motor truck, the transport of passengers by Motor bus and the transportation of both by gasoline railroad car.

Addressed to fleet owners and to those concerned with fleet operation—its mission is to analyze all problems which properly come within the scope—and to assist in the solution of those problems by means of editorial discussion

FIRST IN THE SOUTH'S FIRST CITY

IN NEW ORLEANS
The Times-Picayune
Printed

510,981
WANT ADVERTISEMENTS
IN 1922

A record that explains the complete dominance of The Times-Picayune in the New Orleans market. 510,981 business getters that sought the largest audience—261,943 more than carried by all other New Orleans newspapers combined.

GREATEST CIRCULATION in NEW ORLEANS

The Times-Picayune net paid average for the month of February was—

Sunday — 108,046
Daily — — 82,790

SELL NEW ORLEANS
THROUGH
The Times-Picayune
First for the South
TRUTH IN CIRCULATION

8 PAGE ROTOGRAVURE SECTION EVERY SUNDAY

A New Word in the Language

OUR client, the 1900 Washer Company, of Binghamton, New York, sought some word or phrase to denote the exclusive *double action* of the 1900 Cataract Electric Washer —some expression that could not be "borrowed" by competitors. So we coined the word "*cataraction*." "We believe that does it," said the client. Just an incident in the campaign, for creative thought is all in the day's work at this agency.

Write for these booklets:

"How to Judge an Advertising Agency"

"Points on Merchandising Advertised Products Through Department Stores"

"Merchandising Advertised Products Through Drug Stores"

J·H·CROSS CO.

General Advertising Agents

Cross Building, 15th and Locust Sts., Philadelphia

Members:
American Association of Advertising Agencies
Audit Bureau of Circulations
National Outdoor Advertising Bureau

FIRST IN AMERICA'S SECOND PORT

NEW ORLEANS

Increase in Advertising Rates

THE Times-Picayune, New Orleans' Largest Newspaper, announces an increase in its advertising rates, effective May 1, 1923, as follows:

GENERAL ADVERTISING
Morning, per line.....16c
Sunday, per line.....20c

AUTOMOBILE & ACCESSORIES
Morning, per line.....13c
Sunday, per line..... 16c

CLASSIFIED ADVERTISING
Morning, per line.....16c
Sunday, per line.....20c

The TIMES-PICAYUNE

IS THE DOMINANT NEWSPAPER IN THE NEW ORLEANS MARKET

It completely covers the field.
Its net paid average circulation for the month of FEBRUARY 1923 was ——

SUNDAY 108,046

DAILY 82,790

ADVERTISING LEADERSHIP

During 1922 The Times-Picayune maintained an enviable lead over all other New Orleans newspapers in *Display—Classified—National* and *Total Advertising Lineage.*

The Times-Picayune carried 2,054,932 lines of National Advertising during 1922, approximately 48½% of all national advertising printed by the three New Orleans newspapers (*exclusive of proprietary medicine advertising which The Times-Picayune subjects to strict censorship*).

The Times-Picayune carried 15,454,103 lines of advertising—45.9% of total carried by all three New Orleans newspapers.

The Times-Picayune

First for the South

TRUTH IN CIRCULATION

National Representatives

CONE, HUNTON & WOODMAN, New York; Detroit; St. Louis, Atlanta; Kansas City and Chicago.

J. R. BIDWELL COMPANY, *Western Representative*, San Francisco and Los Angeles.

Getting its Stride!

If the test of vitality in a newspaper is circulation growth, and newspapers of vitality are the most effective advertising mediums, these figures of the

Toronto Daily Star

are of interest and value:

	Daily Average
February, 1920	94,298
February, 1921	96,332
February, 1922	112,065
February, 1923	**130,826**

City 89,939 Suburbs 17,545 Country 23,342

Largest Daily Circulation in Ontario

The Toronto Star Weekly

(Sunday Edition)

Average for February **147,923** Largest Sunday in Canada

Members Audit Bureau of Circulations

U. S. REPRESENTATIVES: CHAS. H. EDDY COMPANY

New York, Fifth Avenue Building — Boston, Old South Building — Chicago, People's Gas Building

MONTREAL Representative—J. B. Rathbone, Transportation Building

¶ Those advertisers who look for something beyond "good copy" should be economically interested in the specific knowledge and experience of an advertising agency that enable it to invest its clients' appropriations on a merchandising basis.

¶ Our agency has been giving sound merchandising service and placing intelligent advertising copy for 32 years.

¶ Many of our national and local clients have endorsed the success of our service over a long period of years by continuously increasing appropriations.

A discussion of Cone Service involves no obligation.

Andrew Cone
General Advertising Agency

Established 1890

Member American Association of Advertising Agencies
Associated Advertising Clubs of the World
Audit Bureau of Circulations

Tribune Building, New York City

Telephone: Beekman 2791-2792-3235

First!
in Oklahoma—

The Tulsa World carried more advertising in 1922 than any other newspaper in the entire state.....

9,397,164 Lines

Oklahoma's Greatest Newspaper

TULSA DAILY WORLD

RELIABILITY — CHARACTER — ENTERPRISE

YOUNGSTOWN'S Annual Pay Roll is $100,000,000.

ARE you getting any share of this hundred million dollars? Its earners are good spenders. They form a ready market for any modern convenience or improvement for their personal comfort.

Wise merchandisers have made Youngstown a test city on national campaigns. They use the VINDICATOR —Daily and Sunday—because it puts their story in every worth-while home. The Sunday VINDICATOR is *the only Sunday newspaper in this entire territory.*

Cover YOUNGSTOWN with

The Vindicator

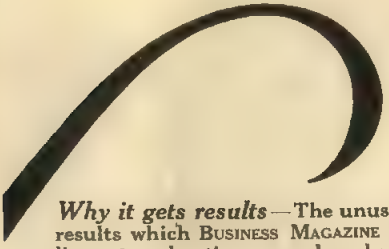
Daily and Sunday

YOUNGSTOWN, OHIO

LACOSTE & MAXWELL, Representatives

Monolith Building
New York City

Marquette Building
Chicago, Ill



Why it gets results—The unusual results which BUSINESS MAGAZINE delivers to advertisers are largely explained by the unique way in which its readers are obtained. Each name is personally picked by a Burroughs salesman right in the territory where it originates, and that salesman must pay the postage on every copy.

Naturally, by this method, waste is reduced to the vanishing point—every name represents real buying ability and buying authority or influence.

A recent actual survey of 50,000 of the 160,000 readers of BUSINESS MAGAZINE showed that its list was made up entirely of business executives, and that various lines of business were represented as follows: Manufacturing, 44%; Retailing, 28%; Wholesaling, 18%; Public Utilities, Insurance, Banking, Construction and others, 10%.

"BUSINESS" is producing greater traceable results per dollar spent than any other publication we use—R. N. Fellows, Advertising Manager, Addressograph Co., Chicago.

Write today for rate card and further information.

THE BURROUGHS PUBLICATIONS

Published by the Burroughs Adding Machine Company, Detroit, Mich.

WICHITA FALLS, TEXAS

A Record of the Newspapers

Paid Circulation January 5, 1923
Wichita Daily Times - 11,429

Send for circulation statement by counties and towns showing that the Times has the largest circulation in the Wichita Falls territory of any paper, including those of Dallas or Ft. Worth. It is impossible to cover the Wichita Falls market without the Wichita Daily Times. Pre-dated and forced circulation of the Ft. Worth and Dallas papers cannot affect the situation. Just a little study will prove that.

In Wichita Falls the comparative situation is:

PAID CIRCULATION

	Sept. 30, 1922 6 Months Average	Line Rate
Times	9,312 A. B. C.	5c flat
Record-News	7,361 Gov't.	4c minimum
	Jan. 5, 1923	
Times	11,429	5c flat

TOTAL ADVERTISING 1922

	Local	National
Times	326,413"	62,166"
Record-News	248,177"	19,972"
Times's Lead	31%	211%

Wichita Daily Times

A. B. C. Member — Evening and Sunday Morning

Wichita Falls, Texas

E. Katz Special Advertising Agency
New York Chicago Atlanta Kansas City San Francisco

Now Use

AVURE

Wisconsin Market

—both in publicity and direct returns! THE JOURNAL now offers you a complete advertising service—Black and White, daily and Sunday—One, two, three, or four colors in the illustrated Sunday Fiction Magazine—Rotogravure every Sunday. You can choose the best possible method of presenting your product—the one that answers your individual needs!

—You can cover the prosperous Milwaukee-Wisconsin market in Rotogravure.

The Milwaukee JOURNAL
FIRST – by Merit

Vision!

WRITING many years afterward of his impression of the first number of THE WORLD under Mr. Pulitzer's direction (May, 1883), Ryerson W. Jennings, one-time candidate for the Presidency of the United States, said:

> Crossing Chestnut Street Bridge, Philadelphia, many years ago, I bought from a bright-eyed newsboy the first number of the New York *World* under Joseph Pulitzer's management. I saw at a glance that the emancipation of the newspapers of this country had commenced, and the people were to get the news of the day in an uncolored form; that great wrongs were to be righted; that light was to be let in where darkness covered it; that crooked things were to be made straight.
>
> —*The Story of a Page*

Rather a large order for a new and struggling paper. Today's WORLD is the best indication as to how well it filled the bill.

The World

Mallers Building Chicago · Pulitzer Building New York · Ford Building Detroit

23,481,724

Lines Paid Advertising Carried by News League papers in 1922

Gain over 1921—1,531,292

National Lineage 3,240,546

Compared with Jan. 1, 1920, when present rates became effective, News League advertisers are now receiving from 15 to 20 per cent greater service in the dailies and from 25 to 45 per cent greater service in the big Sunday editions.

By The Dayton News
14,240,046
Gain over 1921—1,366,606
More than other evening paper, 61 per cent
More than other 7-day paper (morning), 80 per cent

National—1,852,900
Gain over 1921—220,478
More than other evening paper, 93 per cent
More than other 7-day paper (morning), 97 per cent

By The Springfield News
9,240,994
Gain over 1921—274,484
More than other 7-day paper (morning), 34 per cent

National—1,392,146
Gain over 1921—116,186
More than other 7-day paper (morning), 178 per cent

Gains shown above are to be compared with big losses and insignificant gains by other Dayton and Springfield papers. The Dayton News carried approximately as much space, both local and national, as all other Dayton papers combined.

National Representatives
I. A. KLEIN
New York—50 E. 42nd Street
Chicago—76 W. Monroe St.

PACIFIC COAST
A. J. NORRIS HILL CO.
Hearst Bldg., San Francisco

News League of Ohio
Members A. B. C.
DAYTON NEWS
SPRINGFIELD NEWS

This 1923 GARDEN ANNUAL issue will have the closest attention of the better type of New England farm families who prefer to buy from HOMESTEAD advertisers, because of their confidence in their favorite farm paper.

Your advertisement in the 1923 GARDEN ANNUAL may be used to bring you direct inquiries and orders, or to stimulate your dealers, and support your distribution. This March 3 issue will have an unusually long life, as our readers keep this feature number as a handy reference of "what to buy—and when to buy it."

The GARDEN ANNUAL has been paying advertisers for 18 years. The 19th will pay you.

No advance in rates—45 cents a line, $6.30 an inch, $315 a page, 66,000 net paid. Forms close in Springfield February 24. Reserve your space early for this Spring feature number which "opens up" the New England Spring season.

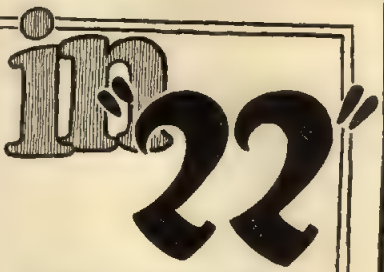
NEW ENGLAND HOMESTEAD

WARREN A. PRIEST, *Advertising Manager*
PHELPS PUBLISHING COMPANY, Publishers, Springfield, Mass.
WILLIAM A. WHITNEY, *Advertising Counsellor*

Member *Audit Bureau of Circulations*
Member *Agricultural Publishers Association*

NEW YORK: 456 Fourth Ave.
CHICAGO: 5 South Wabash Ave.

J. W. HASTIE, New York Manager
J. LEWIS DRAPER, Western Manager



The National advertisers and local merchants in both want ads and display advertising AGAIN demonstrated their newspaper preference in Omaha—and in 1922 this preference was shown in no uncertain terms, for of the 22,785,420 lines of clean advertising published by the three Omaha newspapers, the World-Herald alone carried 11,262,118 lines. Note the lineage table below:

All measurements in lines, by the Haynes Advertising Agency, an independent measuring service

	World-Herald	Next Paper	Third Paper
Total Display (less medical)	8,826,622	5,237,540	4,583,432
Want Ads....	2,435,496	914,186	788,144
Total clean, paid advertising....	11,262,118	6,151,726	5,371,576
Medical.....	None	315,364	536,578

Compared with 1921, The World-Herald gained over 1,100,000 lines, five times as much as the next paper; the third paper lost.

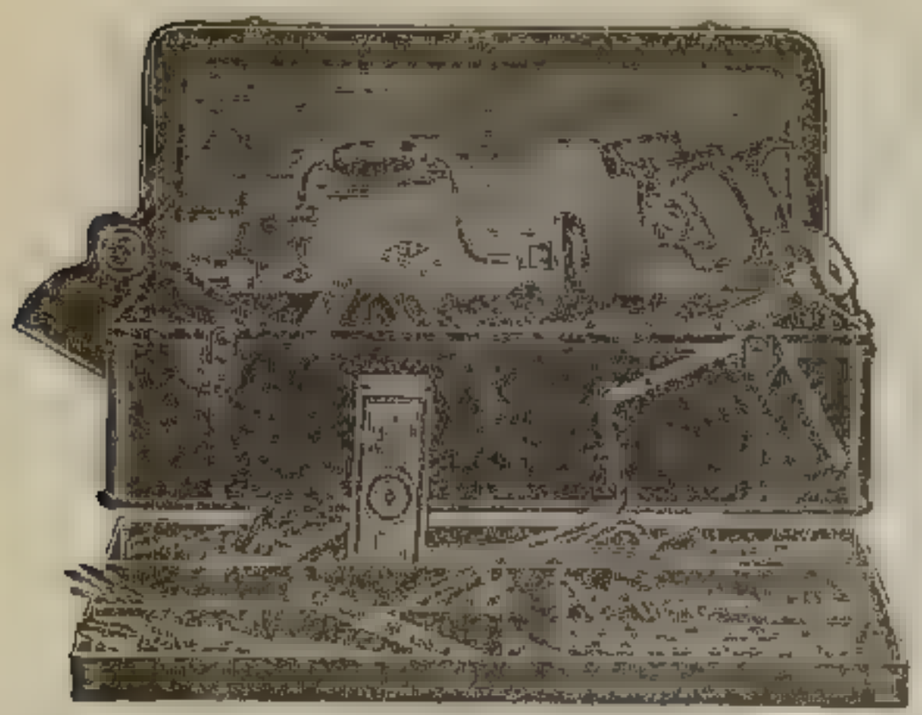
The Omaha
World-Herald

Most News—Most Ads—All Clean

TOOL KITS

* DIAMOND EDGE

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE



Pressed Sheet Steel Box; Black Enamel Finish Inside and Outside Equipped with Catches, Lock and Key; Partitioned Tray for Small Tools; Has Grip Handle on Top of Box Making it Easy to Carry

Dimensions of Box

Inside Dimensions of Box, 22 Inches Long, 9 Inches Wide 6¾ Inches Deep

Each

No. DE22—Complete with 22 Tools and Other Useful Items; Weight Complete with Tools 50 Lbs..... $31 50

Contents of Kit

1 No. DE150, 18 inch Panel Saw
1 No. DE12, Nail Hammer
1 No. DS1, Shingling Hatchet
1 No. DE100, 6/16 Inch Auger Bit
1 No. DE100, 8/16 inch Auger Bit
1 No. DE100, 9/16 inch Auger Bit
1 No. DE100, 16/16 inch Auger Bit
1 No. DG, 4/32 inch Gimlet Bit
1 No. DG, 8/32 inch Gimlet Bit
1 No. DE100, 12 inch Compass Saw
1 No. DE100, Coping Saw
1 No. DE188, Bit Brace
1 No. DEB½, Socket Firmer Chisel
1 No. DEB1, Socket Firmer Chisel
1 No. DE5½ inch Slim Taper File with Handle
1 No. DE8, Mill File
1 No. DER5, Screw Driver
1 No. DE6, Oil Stone
1 No. EE110, Block Plane
1 No. No. 20, 6 inch Try Square
1 No. 63, Folding Boxwood Rule
1 No. DE06, Plier
1 One Oz. Bottle LePage's Glue
1 Package ¾ inch Brads
1 Package 1 inch Brads
Three Sheets Sandpaper

* BRIDGE

Bridge TRADE MARK

Pressed Sheet Steel Box; Black Enamel Finish Inside and Outside; Equipped with Catches, Lock and Key; Partitioned Tray for Small Tools; Has Grip Handle on Top of Box, Making it Easy to Carry.

Dimensions of Box

Inside Dimensions 22 inches Long; 9 inches Wide; 6¾ inches Deep.

Each

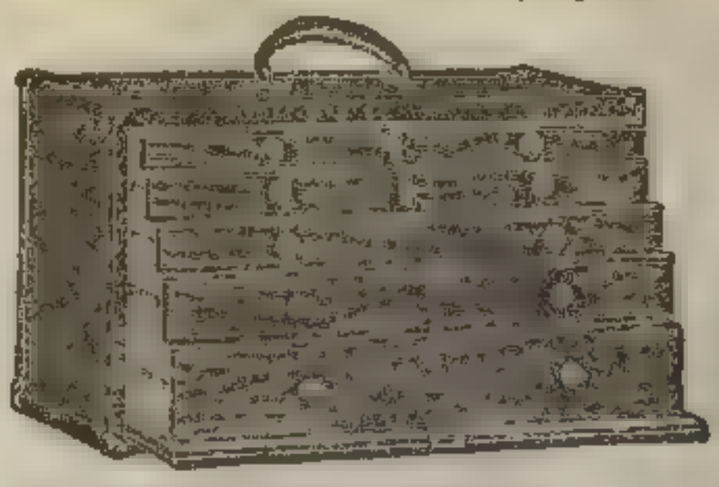
No. B22—Complete with 22 Tools and Other Useful Items; Weight Complete with Tools 50 Lbs.....$30 80

Contents of Kit

1 No. B22, 18 inch Panel Saw
1 No. B12, Nail Hammer
1 No. BS1 Shingling Hatchet
1 No. B100, 6/16 inch Auger Bit
1 No. B100, 8/16 inch Auger Bit
1 No. B100, 9/16 inch Auger Bit
1 No. B100, 16/16 inch Auger Bit
1 No. 22A, 4/32 inch Gimlet Bit
1 No. 22A, 8/32 inch Gimlet Bit
1 No. B110, 12 inch Compass Saw
1 No. B100, Coping Saw
1 No. B80, Bit Brace
1 No. BB½, Socket Firmer Chisel
1 No. BB1, Socket Firmer Chisel
1 No. B5½ inch Slim Taper File with Handle
1 No. B8 inch Mill File
1 No. BR5, Screw Driver
1 No. 6, Oil Stone
1 No. B110, Block Plane
1 No. 20, 6 inch Try Square
1 No. 63, Folding Boxwood Rule
1 No. BN6, Plier
1 One Oz. Bottle LePage's Glue
1 Package ¾ inch Wire Brads
1 Package 1 inch Wire Brads
Three Sheets Mazzoo Sandpaper

PORTABLE TOOL CHESTS

PAUWEN



Imitation Black Seal Grain Leather Covered with Drawer Fronts and Inside of Cover Finished in Beautiful Mahogany; Secure Lock; Heavy Nickeled Corners and Suit Case Handle; Brass Knob Pulls.

Outside Dimensions—Length 20 inches; Height 11¼ inches; Depth 8 inches.

Drawers Inside—Nos. 1, 2, 3 and 4, 8⅜x6⅛ inches; Nos. 5, 6 and 7, 18⅛x6⅛ inches.

Height of Drawers Inside—No. 1—¾ inch; No. 2—¾ inch; No. 3—1¼ inch; No. 4—1¼ inch; No. 5—1¼ inch; No. 6—1¾ inch; and No. 7—2¾ inches.

Each

No. 400—Weight Each, 13 lbs..... $22 50

One in a Box

Imitation Black Seal Grain Leather Covered with Drawer Fronts and Cover of Solid Quartered Oak, Mission Finish; Solid Brass Corners, Secure Lock; Heavy Leather Handle; Bottom of Drawers lined with Heavy Felt. Cover of Case Fits in Groves, and Slides under Bottom Drawer when Case is in Use.

DESIGNED FOR TOOLS UP TO 18 INCHES IN LENGTH

Outside Dimensions—Length 20 inches; Height 12¼ inches; Depth 9½ inches.

Drawers, Inside—Nos. 1, 2, 3, 4 and 5—8¾x7 inches; Nos. 6, 7 and 8—18⅛x7 inches.

Height of Drawers, Inside—No. 1—1½ inch; No. 2—2 inch; No. 3—7/8 inch; No. 4—7/8 inch; No. 5—1¼ inch; No. 6—1⅛ inch; No. 7—1¾ inch; No. 8—3 inch.

Each

No. 360—Weight Each, 23 lbs.....$28 50

No. 350—Quartered Oak Case, Uncovered, Otherwise Same as No. 360; Weight Each, 22 lbs..... 28.50

One in a Box

Imitation Black Seal Grain Leather Covered with Drawer Fronts and Cover of Solid Quartered Oak, Mission Finish; Solid Brass Corners, Secure Lock; Heavy Leather Handle; Bottom of Drawer Lined with Heavy Felt.

Outside Dimensions—Length 18 inches; Width 11 inches; Depth 8½ inches.

Drawers, Inside—Nos. 1, 2 and 3—7⅞x6⅛ inches; Nos. 4, 5 and 6—16⅛x6⅛ inches.

Height of Drawer, Inches—No. 1—2¼ inches; No. 2—1 inch; No. 3—1 inch; No. 4—1¼ inch; No. 5—2 inch; No. 6—3 inch.

Each

No. 260—Weight Each, 18 lbs.....$25.30

No. 250—Oak Case, Uncovered, Otherwise same as No. 260; Weight Each, 17 lbs..... 25 30

One in a Box

TOOL SETS

*MOUND CITY

MOUND CITY
TRADE MARK

Plain Finished Dovetailed Whitewood Case; Hinged Lid with Hook and Eye Fasteners.

Dimensions of Case

Outside—27 inches Long, 8¼ inches Wide, 4 inches Deep.

With 16 Serviceable Tools, Nails and Chalk — Per Set

No. MC50—Complete, with 16 Tools, Weight 15½ lbs. **$15 00**

Contents of Case

1 Mound City Shingling Hatchet, No. MCS1.
1 Mound City Screw Driver, No. MC, 4 inch.
1 Mound City Brace, No. MC8.
1 Wonder Panel Saw, No. 1902, 18 inch.
1 Bridge Handled Brad Awl, No. B40.
1 Standard Auger Bit, ¼ inch
1 Standard Auger Bit, ½ inch.
1 Standard Auger Bit, ⅝ inch.
1 Tack Claw, No. KB.
1 Tack Hammer, No. 260.
1 Nail Hammer, No. 85.
1 Bridge Block Plane, No. BX110.
1 Marking Gauge, No. 0.
1 Mallet, No. 42½.
1 Bridge Socket Firmer Chisel, No. BPX, 1 inch.
1 Piece Carpenters Chalk, No. BC.
1 Carpenters Lead Pencil, No. 57.
2 lbs. Assorted Nails.

Plain Finished, Dovetailed Whitewood Case; Hinged Lid with Hook and Eye Fasteners.

Dimensions of Case

Outside—27 inches Long, 8¼ inches, Wide, 4 inches Deep.

With 11 Serviceable Tools and Nails — Per Set

No. MC25—Complete with 11 Tools; Weight 13¼ lbs. **$9 90**

Contents of Case

1 Mound City Shingling Hatchet, No. MCS1.
1 Mound City Screw Driver, No. MC, 4 inch.
1 Mound City Brace, No. MC8.
1 Wonder Panel Saw, No. 1902, 18 inch.
1 Bridge Handled Brad Awl, No. B40.
1 Standard Auger Bit, ¼ inch.
1 Standard Auger Bit, ½ inch.
1 Standard Auger Bit, ⅝ inch.
1 Tack, Claw No. KB.
1 Tack Hammer, No. 260.
1 Nail Hammer, No. 85.
2 lbs. Assorted Nails.

TOOL SETS

*PERFECTION

Plain Finished. Dovetailed Whitewood Case; Hinged Lid with Hook and Eye Fas- teners.

Dimensions of Case

Outside — 27 inches Long, 8¼ inches Wide, 4 inches Deep.

With 12 Serviceable Tools — Per Set

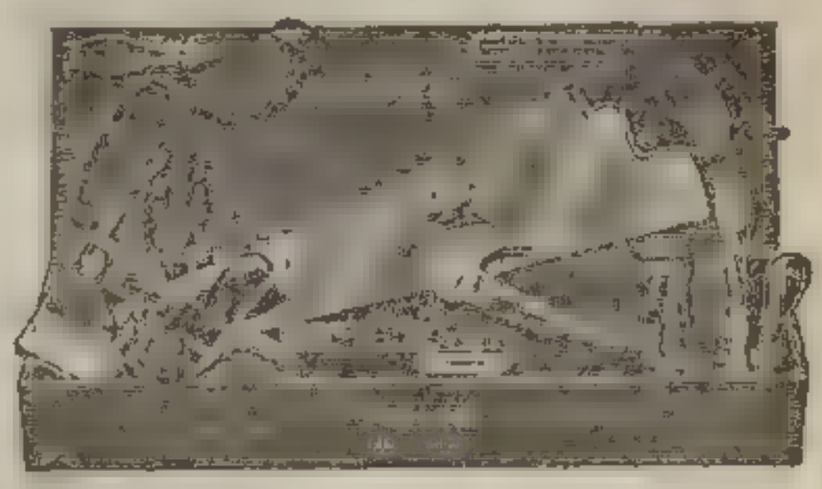
No. P10—Complete, with 12 Tools; Weight 14½ lbs. **$16.50**

Contents of Case

1 Bridge Brace, No. B08.
1 Tip Top Panel Saw, No. 210, 22 inch.
1 German Gimlet Bit, No. 22A, ⅛ inch.
1 Standard Auger Bit, ¼ inch.
1 Standard Auger Bit, ⅜ inch.
1 Standard Cast Steel Auger Bit, ½ inch.
1 Standard Cast Steel Auger Bit ⅝ inch.
1 Mound City Shingling Hatchet, No. MCS1.
1 Mound City Screw Driver, No. MC, 6 inch.
1 Agricultural Wrench, 8 inch.
1 Boxwood Rule, No. 61.
1 Smooth Plane, No. BJ.

*TIP TOP

Plain Finished, Dovetailed Whitewood Case; Stenciled Hinged Lid, Brass Plated Steel Hinges and Brass Hooks and Eyes.



Dimensions of Case

Outside—27inches Long, 8¼ inches Wide, 4 inches Deep.

With 17 High Grade Tools — Per Set

No. N15—Complete with 17 Tools; Weight of Case with Tools 15½ lbs. **$24.00**

Contents of Case

1 Bridge Half Hatchet, No. BH1.
1 Bridge Brace, No. B010.
1 Bridge Nail Hammer, No. B12
1 Bridge Plier, No. B6, 6 inch.
1 Panel Saw, No. 210, 23 inch.
1 Cast Steel Auger Bit, ¼ inch.
1 Cast Steel Auger Bit, ½ inch
1 Cast Steel Auger Bit, ¾ inch
1 Cast Steel Auger Bit 1 inch.
1 Awl and Tool Set, No. B35.
1 Block Plane, No. BX110
1 Agricultural Wrench, 8 inch
1 Gimlet Bit, No. 22A, ⅛ inch
1 Boxwood Rule, No. 61.
1 Level, No. 200
1 Shapleigh Special Oil Stone, No. 6
1 Mound City Screw Driver, No. MC, 5 inch.

AN APPRECIATION—

KLAU-VAN PIETERSOM-DUNLAP
INCORPORATED
Advertising Merchandising
MANHATTAN BLDG.
481 BROADWAY
MILWAUKEE

Janesville Gazette,
Janesville, Wisconsin.

February 7th,
1923

Gentlemen:

We would be callous indeed if we did not express to your good publication our appreciation of the cooperation we have received from you on the Johnston advertising. We wish there were more papers like the Janesville Gazette.

Very truly yours,

W. F. Dunlap

WF
GH

Klau-Van Pietersom-Dunlap, Inc.

The Gazette Dominates

THE Janesville market, a thirty-mile radius around Janesville, Wisconsin, is absolutely dominated by The Gazette—no other medium or combination of mediums can make any impression in this field which is so thoroughly covered by The Gazette.

The Gazette's complete survey of this desirable market will be ready for distribution soon. Send for your copy now. It is free.

Chevrolet Motor Company and Fisher Body Corporation plants, in production here soon, will cause an appreciable growth in the buying power of this market. Do you want your full share of this new business? Let us help you get it.

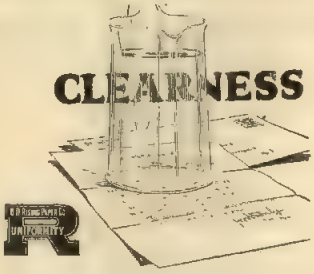
THE JANESVILLE DAILY GAZETTE

H. H. BLISS, Publisher THOS. G. MURPHY, Adv. Mgr.

"An Unusual Newspaper"—Member of Wisconsin Daily League

M. C. WATSON, Eastern Rep.,
286 Fifth Ave., New York City

THE ALLEN-KLAPP CO., Western Rep.,
1336 Peoples Gas Bldg., Chicago



LET there be no compromise in the whiteness of your business stationery: a dingy paper oft belies the message.

Choose Danish Bond. Its virgin whiteness begins many hundred feet underground in artesian water of crystal clearness. No need here for mud removers or compensating chemicals. Clean, new rags and pure water and years of knowing *how*—these basic elements make Danish Bond.

You will like its body, its snap and crackle, its toughness and durability. Made in white and ten distinctive colors. The price is not high, not low. Ask your printer for an estimate.

The quality is high
The price is reasonable

DANISH LINEN DANISH KASHMIR COVER
DANISH LEDGER DANISH INDEX BRISTOL
DANISH MANUSCRIPT COVER

DANISH BOND

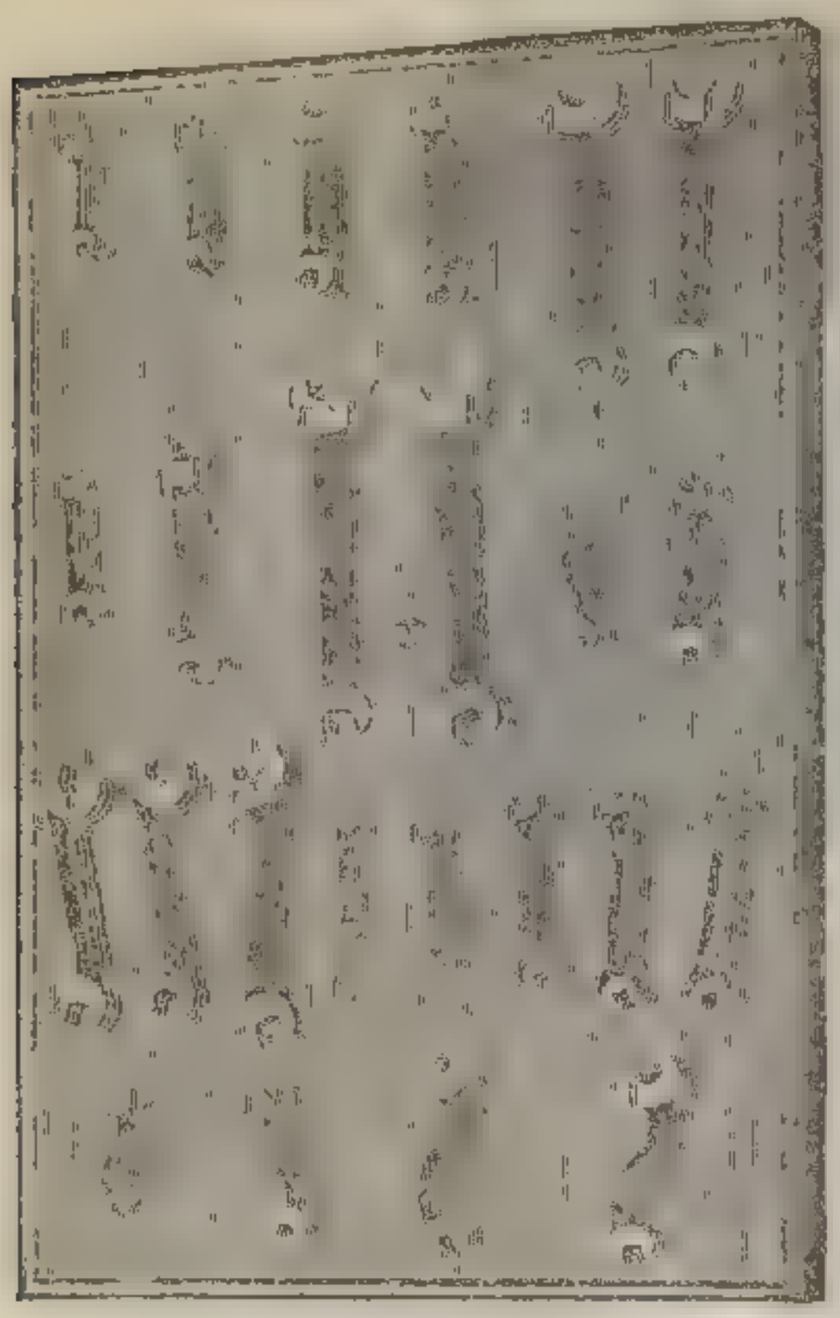
ONE OF THE LINE OF PAPERS WATER-MARKED DANISH

Made in the hills of Berkshire County by the

B. D. RISING PAPER CO.

Housatonic, Massachusetts

WRENCH ASSORTMENTS



Superior Drop Forged Engineers Double Head Wrenches; U. S. Standard Nut, Set and Cap Screw Sizes.

Forgings are Milled, Case Hardened (Black) all over, and have Heads Ground Bright.

Size of Board; Width 24 inches; Height 36 inches.

CLASSIFIED LIST OF ASSORTMENT

U. S. Standard Nut and Cap Screw Sizes, Engineers Wrenches

No.	Fits U. S. Standard Nuts, Bolt Size	Openings Milled	List Price 6 Each Semi-Fin.
23	3/16 and 1/4 inch	13/32 & 1/2	$1.20
25	1/4 and 5/16 inch	1/2 & 19/32	1.50
27C	3/8 inch	9/16 & 11/16	1.86
29	3/8 and 7/16 inch	11/16 & 29/32	2 22
34	1/2 and 5/8 inch	7/8 & 1-1/16	4.08
	For Hexagon Head Cap Screws		
725	1/4 and 5/16 inch	7/16 & 1/2	1.50
731A	1/2 and 5/8 inch	3/4 & 7/8	2.70
736	3/4 and 1 inch	1 & 1-1/4	5.76
	U. S. Standard Nut Sizes, "Textile Wrenches"		
760B	3/16 and 1/4 Nuts	13/32 & 1/2	$1.50
761C	5/16 and 3/8 Nuts	19/32 & 11/16	1.86
763A	7/16 and 1/2 Nuts	25/32 & 7/8	3.18
764B	9/16 and 5/8 Nuts	31/32 & 1-1/16	4.32

No.	Set Screw Wrenches	Openings Milled	List Price, 6 Each Semi-Fin.
525	1/4 and 5/16 Set Screws	1/4 & 5/16	$1.44
527	5/16 and 3/8 Set Screws	5/16 & 3/8	1 74
529	3/8 and 7/16 Set Screws	3/8 & 7/16	2.10
531	7/16 and 1/2 Set Screws	7/16 & 1/2	2.70
	Hexagon Head "S" Cap Screw Wrenches		
661F	1/8 and 3/16 Nuts	3/8 & 1/2	$1.32
662G	3/16 and 1/4 Nuts	1/2 & 5/8	1.74
663E	1/4 and 5/16 Nuts	9/16 & 3/4	2.34
664F	5/16 and 7/16 Nuts	13/16 & 7/8	3 18

Per Assortment

No. DE1—Semi-Finished—Contains Six Each of the Wrenches Numbered Above, comprising the most Prominent Nut and Cap Screw Sizes and also a Line of Set Screw Openings from ¼-to ½-inch, Inclusive. Weight per Assortment and Display Board Complete 70 lbs.....$57.80 48.30

WRENCH ASSORTMENTS

WILLIAMS SILENT SALESMAN

Superior Drop Forged Engineers Double Head Wrenches; U. S. Standard Nut, Set and Cap Screw Sizes.

Forgings are Milled Case Hardened (Black) all over, and have Heads Ground Bright.

CLASSIFIED LIST OF ASSORTMENT

U. S. Standard Nut and Cap Screw Sizes, Engineers Wrenches

No.	Milled for	Openings Sizes	List Price 6 Each Semi-Fin.
23	3/16 and 1/4 Nuts	13/32 & 1/2	$1.26
725	1/4 Nuts and 1/4 and 5/16 Cap Screws	7/16 & 1/2	1.50
25	5/16 Nuts or Cap Screws	1/2 & 19/32	1.50
27C	3/8 Nuts or Cap Screws	9/16 & 11/16	1.86
28S	7/16 Nuts or Cap Screws	5/8 & 28/32	2.22
731A	1/2 Nuts and 1/2 and 5/8 Cap Screws	3/4 & 7/8	2.70
34	5/8 Nuts or Cap Screws	7/8 & 1-1/16	4.08
736	3/4 Nuts and 3/4 and 1 Cap Screws	1 & 1-1/4	5.76
	U. S Standard Nut Sizes, "Textile Wrenches"		
760B	3/16 and 1/4 Nuts	13/32 & 1/2	$1.50
761C	5/16 and 3/8 Nuts	19/32 & 11/16	1.86
763A	7/16 and 1/2 Nuts	25/32 & 7/8	3.18
764B	9/16 and 5/8 Nuts	31/32 & 1-1/16	4 32

Standard Set Screw Sizes, Set Screw Wrenches

No.	Milled for	Openings Sizes	List Price, 6 Each Semi-Fin
525	1/4 and 5/16 Set Screws	1/4 & 5/16	$1.44
527	5/16 and 3/8 Set Screws	5/16 & 3/8	1.74
529	3/8 and 7/16 Set Screws	3/8 & 7/16	2.10
531	7/16 and 1/2 Set Screws	7/16 & 1/2	2.70
	U. S. Standard Nut Sizes, "S" Wrenches		
661A	1/8 and 3/16 Nuts	5/16 & 13/32	$1.32
662B	1/4 and 5/16 Nuts	1/2 & 19/32	1.74
663C	3/8 and 7/16 Nuts	11/16 & 25/32	2 34
664B	7/16 and 1/2 Nuts	25/32 & 7 8	3 18

Total..... $48.30

Per Assortment

+No. 2B Semi-Finished—Contains Six Each of the Wrenches Numbered Above, comprising the most Prominent Nut and Cap Screw Sizes and also a Line of Set Screw Openings from ¼-to ½-inch, Inclusive; Height of Stand over all 54½ inches; Extreme Width 15¾ inches; Weight per Assortment and Display Board Complete 70 lbs $66 00

Items Marked + not carried in Stock; can only be Furnished by Shipping Direct From Factory, F. O. B. Chicago, Ill., or Brooklyn, N Y.

WRENCH SETS

★DIAMOND EDGE

TRADE MARK REGISTERED ◆ IN THE U. S. PAT. OFFICE.

Made of the Highest Grade Dropped Forged Steel, Black Enameled with Highly Polished Head

A Combination of Service and General Convenience

These Sets are especially Created to meet the Demand for a Reliable Set of Wrenches for use in the Tool Equipment of Automobiles, Gas Engines, Motor Boats, Motorcycles and all Machines requiring a High Grade Wrench.

BIG SIX

For Severe Service about Automobiles, etc.

Set contains Six Wrenches; One Each Nos. 25, X27C, X28, 729, X34 and 736.

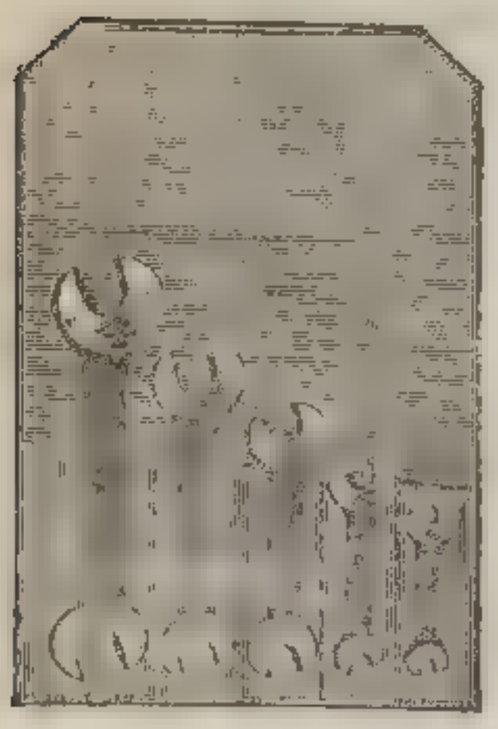
Openings Milled for 12 most popular U. S. Standard Nuts and Cap Screws.

Semi-Finished; Size Openings 7-16, ½, 9-16, 11-16, 19-32, 25-32, ⅝, ¾, ⅞, 15-16, 1 and 1¼ Inches. Weight per Set 3 lbs.

Per Set

No. DED10—One Set in a Box. **$3.80**

No. DEDR10—One Set in a Canvas Roll..... **5.00**



THIN FIVE

For Light Work Only

Set contains Five Wrenches; One Each Nos. 623E, 626X, 629E, 632X and 635G.

Openings Milled for A. L. A. M. Standard Nuts and Cap Screws.

Semi-Finished; Size Openings ⅜, ½, 9/32, 11/16, ¾, ⅞, 13/16, 1, 1⅛ and 1¼ inches. Weight per Set 2¾ lbs.

Per Set

No. DEX9—One Set in a Box.... **$3.00**

No. DEXR9—One Set in a Canvas Roll..... **4.30**

AUTOMOBILE SET, A. L. A. M.

For Severe Service about Automobiles, etc.

Set contains Five Wrenches; One Each Nos. 723A, X27C, 731A, X33C and 737.

Openings Milled for 10 most popular A.L.A M. Standard Nuts and Cap Screws.

Semi-Finished; Size Openings ⅜, ½, 9/16, 11/16, ¾, ⅞, 15/16, 1, 1⅛ and 1¼ inches. Weight per Set, 2¾ lbs.

Per Set

No. DEX12—One Set in a Box.... **$3 30**

No. DEXR12—One Set in a Canvas Roll..... **4.40**

WRENCH SETS

BONNEY

A Complete Drop Forged Set of Wrenches for Ford Cars.

Set Consists of Six Wrenches which Contain Openings Especially Milled to Fit Every Nut on a Ford Car. There are Fiv Straight-Bar, 15° Angle Wrenches; Also a thin Wrench, with Offset Bar, for the Reverse Gear and Brake Adjustments.

ALL WRENCHES SEMI-FINISHED

Per Set

No. FRGR—Contains Six Wrenches in a Canvas Roll; Weight per Set, 1½ lbs **$3 50**

No. FRG—Contains Six Wrenches in a Box; Weight per Set 1½ lbs. **$3.10**

One Set in a Box

RONSON

A Combination Consisting of Four Wrenches Fastened Together by a Square Shank Wing Nut, which Prevents Turning; Seven Wrench Openings, Alligator Wrench, Prestolight Key, Screw Driver and Cotter Pin Extractor all in One. Made of Wrought Steel Nickel Plated and Highly Polished.

Per Dozen Sets

No. R—Openings ¼, 5/16, ⅜, 7/16, ½, 11/32, 11/16 inch and Alligator; Length Over All 6 inches; Weight per Dozen, 7½ lbs.....**$17.00**

Twelfth Dozen Sets in a Box; One Dozen in a Carton

SEXTO

A Clever little Wrench Set, Composed of Six Very Thin Wrenches with an Opening at Each End, which are so Made that they will get into all Kinds of Corners and will Handle All Kinds of Jobs, such as Adjusting Magnetos, Engine Valves, etc. Just the Right Sizes Around an Automobile.

Will Handle the Following Size Nuts: 7/32 inch, ¼ inch, 9/32 inch, 5/16 inch, 11/32 inch, ⅜ inch, 18/32 inch, 7/16 inch, 15/32 inch, ½ inch, 17/32 inch and 9/16 inch. Fastened together by a Connecting Screw, making a Neat, Compact Set.

Per Dozen

No. SR—Fully Nickel Plated and Polished; Weight per Dozen, ¼ lb.....**$12.00**

Twelfth Dozen in a Box

A Handsome Display Stand Furnished with Every Order of 15 or More Sets.

The Bell System's transcontinental telephone line crossing Nevada

Highways of Speech

Necessity made the United States a nation of pioneers. Development came to us only by conquering the wilderness. For a hundred and fifty years we have been clearing farms and rearing communities where desolation was—bridging rivers and making roads, civilizing and populating step by step, three million square miles of country. One of the results has been the scattering of families in many places—the separation of parents and children, of brother and brother, by great distances.

To-day, millions of us live and make our success in places far from those where we were born, and even those of us who have remained in one place have relatives and friends who are scattered in other parts.

Again, business and industry have done what families have done—they have spread to many places and made connections in still other places.

Obviously, this has promoted a national community of every day interest which characterizes no other nation in the world. It has given the people of the whole country the same kind, if not the same degree, of interest in one another as the people of a single city have. It has made necessary facilities of national communication which keep us in touch with the whole country and not just our own part of it.

The only telephone service which can adequately serve the needs of the nation is one which brings all of the people within sound of one another's voices.

"BELL SYSTEM"
AMERICAN TELEPHONE AND TELEGRAPH COMPANY
AND ASSOCIATED COMPANIES

One Policy, One System, Universal Service, and all directed toward Better Service

The Bell System's transcontinental telephone line crossing Nevada

Highways of Speech

Necessity made the United States a nation of pioneers. Development came to us only by conquering the wilderness. For a hundred and fifty years we have been clearing farms and rearing communities where desolation was—bridging rivers and making roads, civilizing and populating step by step, three million square miles of country. One of the results has been the scattering of families in many places—the separation of parents and children, of brother and brother, by great distances.

To-day, millions of us live and make our success in places far from those where we were born, and even those of us who have remained in one place have relatives and friends who are scattered in other parts.

Again, business and industry have done what families have done—they have spread to many places and made connections in still other places.

Obviously, this has promoted a national community of every day interest which characterizes no other nation in the world. It has given the people of the whole country the same kind, if not the same degree, of interest in one another as the people of a single city have. It has made necessary facilities of national communication which keep us in touch with the whole country and not just our own part of it.

The only telephone service which can adequately serve the needs of the nation is one which brings all of the people within sound of one another's voices.

"BELL SYSTEM"
AMERICAN TELEPHONE AND TELEGRAPH COMPANY
AND ASSOCIATED COMPANIES

One Policy, One System, Universal Service, and all directed toward Better Service

Are You?

BUSINESS everywhere doesn't need more typewriters so much as it needs *a better typewriter.* One that can produce more and finer typing than was formerly possible; that offers more conveniences to the operator than typewriters used to offer; that requires less care and stands up longer under all kinds of usage.

The Royal has a way of living up to the claims that are made for it. Before you buy another typewriter let us "show you" how the Royal does finer typing and more of it, why it has longer life and is easier to operate. We believe you are open to conviction!

"Compare the Work"

ROYAL TYPEWRITER CO., INC.
Royal Typewriter Building
364-366 Broadway, New York
Branches and Agencies the World Over

REMINGTON ADVERTISING COMPANY

A General Advertising Agency

R. C. CAPLES - - - - PRESIDENT
J. V. GILMOUR - VICE-PRESIDENT
R. N. HARTSING - - SEC'Y-TREAS.

Service
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CONRAD PISTORIUS

New York Office
R. J. WEEKS
W. H. STROMEYER
F. L. BELT

CHICAGO
225 EAST ERIE STREET

NEW YORK
2403 GRAND CENTRAL TERMINAL

We can—
May we?

This company is naturally enthusiastic about its product and the results it is giving in offices where the dual demand for volume and finest quality of typing exists, with emphasis on the quality.

It is bad business to make claims for a product which can not be confirmed by practical every-day usage. Still, we say that the Royal is the soundest typewriter investment you can make. May we demonstrate at your convenience?

ROYAL TYPEWRITER CO., INC.
New York
Branches and Agencies the World Over

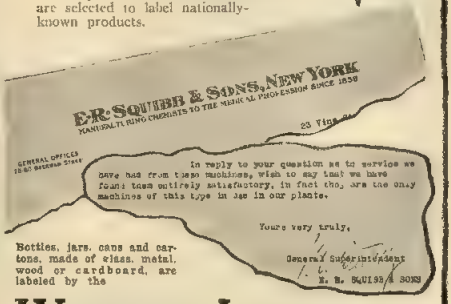
"Compare the Work"

ROYAL
Trade Mark
TYPEWRITERS

Better labeling *means* better advertising!

The outstanding feature by which the public recognizes an advertised product is the Label.

Accuracy, neatness and cleanliness, together with that essential speed of operation, are the reasons why WORLD LABELERS are selected to label nationally-known products.


E.R. SQUIBB & SONS, NEW YORK
MANUFACTURING CHEMISTS TO THE MEDICAL PROFESSION SINCE 1858
GENERAL OFFICES
In reply to your question as to service we have had from these machines, wish to say that we have found them entirely satisfactory, in fact they are the only machines of this type in use in our plants.
Yours very truly,
General Superintendent
E. R. SQUIBB & SONS

Bottles, jars, cans and cartons, made of glass, metal, wood or cardboard, are labeled by the

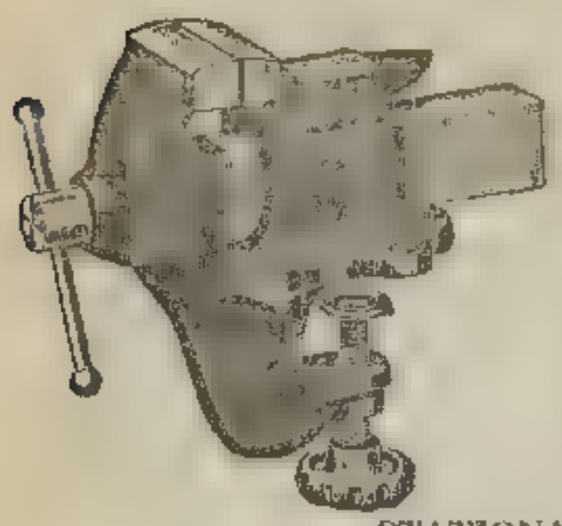
WORLD LABELER

ECONOMIC MACHINERY COMPANY
71 Union St., Worcester, Mass.

Bring your labeling problems to us.

BENCH VISES

MODERN



A Sturdy and Well Designed Vise. Wine Color Enamel, Extra Heavy, Cast Iron Body; Polished Jaws and Anvil; Slide, Screw End and Handle; Heavy Steel Wheel Grip Clamp Screw. On Nos. M744, M745 and M746 Body is Fitted with Screw or Bolt Holes, So Vise Can Be Fastened Down Permanently.

STATIONARY BOTTOM
To Clamp
Plain Iron Jaws

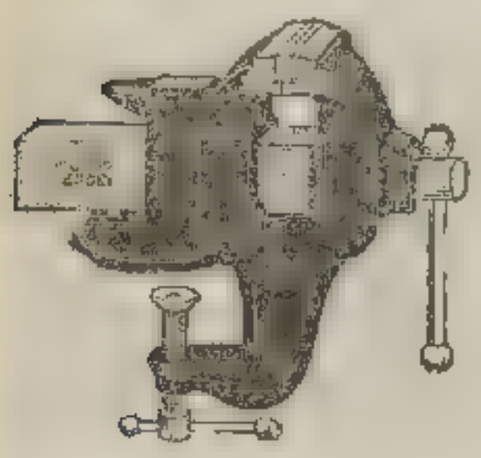
Nos.	M741	M742	M743
Width of Jaw, inches	1½	1¾	2
Spread of Jaws, inches	2⅛	2¼	2¼
Weight Each, lbs.	3¼	3¾	4
Each	$2 20	2 50	3.00
Nos.	**M744**	**M745**	**M746**
Width of Jaw, inches	2¼	2½	3
Spread of Jaw, inches	2¼	2½	3
Weight Each, lbs.	4	6	10
Each	$3 70	4.20	6 60

One in a Cardboard Box

VICTOR JERSEY

Fitted Just Like a Machinist's Vise, with Loose Malleable Iron Nut which Causes the Screw and Square Box Slide to Work Smooth and Easy; Jaws are Care- fully Ground and Come Square Together on the Face.

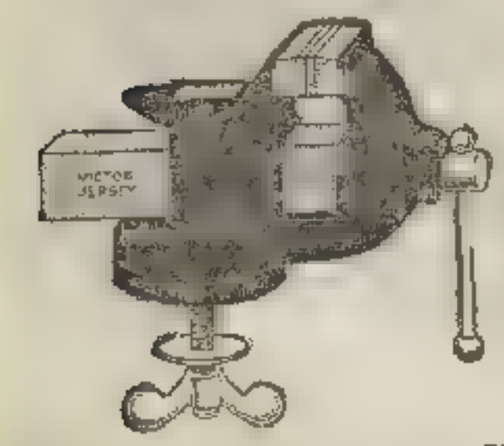
Brown Japanned Cast Iron Body, Polished Jaws; Slide and Screw End Steel Sliding Bar.



STATIONARY BASE
Steel Faced Jaws, Welded

Nos.	761	762	763
Width of Jaws, inches	1½	1¾	2
Length Closed, inches	5⅜	5¾	6
Weight Each, lbs.	3	3¼	3½
Each	$2.80	3.20	3.70
Nos.	**764**	**765**	**766**
Width of Jaws, inches	2¼	2½	3
Length Closed, inches	6¼	7	8¾
Weight Each, lbs.	4	5	8¾
Each	$4.30	5.20	7.50

Loose



SWIVEL BASE
Steel Faced Jaws

Nos.	772	773	774	775	776
Width of Jaws, inches	1¾	2	2¼	2½	3
Length Closed, inches	5¾	8¾	6¼	7	8¾
Weight Each, Lbs.	3	3½	4½	5½	9½
Each	$3.20	3.70	4.40	5.50	7.50

Loose

BENCH VISES

VICTOR JERSEY

ASSORTMENTS
With Display Stands

Cast Iron Standards, Black Painted with Silver Gray Lettering; Maple Ring and Base Board.

Dimensions:—Spread at Base 13x12½ inches; Height 31 inches closed.

Per Assortment

No. BX12 Twelve Vises and Stand, Weight 64 lbs..... $45.00

Nos.	741	742	743	744	745	746	761	763	772
Quantity	2	2	2	1	1	1	1	1	1

One Assortment Complete in a Case

EMPIRE

STATIONARY BASE

These Vises are made entirely of Steel and every Part Guaranteed against Breakage; Defective Parts Replaced Free of Charge.

Hardened and Polished Steel Jaw Faces; Japanned Steel Body; Polished Slide Bar and Screw Head; Polished Steel Sliding Handle Bar.

Nos.	E25	E30	E35	E40
Jaws, in.	2½	3	3⅜	4
Jaws Open, in.	3½	4	4½	5
Wt. each, lbs.	7	10	15	22
Each	$5.00	6.00	8.00	10.00
	7.60	9.20	12.20	15.20

LUTHER

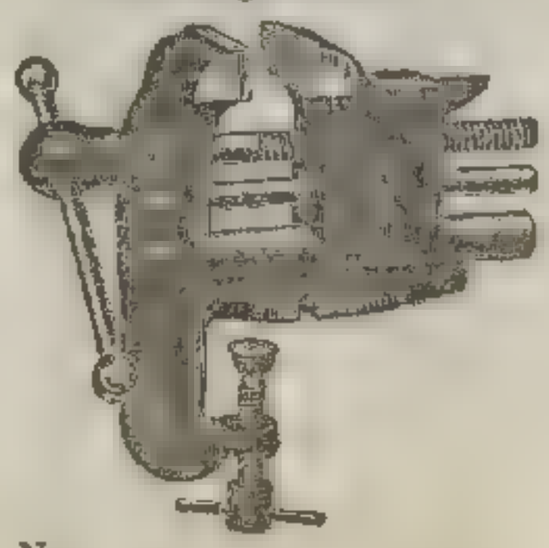
Made of Good Quality Material; all Heavy and Well Braced; Jaws are Made of Steel and Travel on Steel Guides; Impossible for Them to Become Sprung or Get Out of Alignment. The Feed is Arranged so that a Very Tight Grip can be Secured; Is Broad and Rigid; Can be Fastened to Block or Bench. Handle, Guides, Jaws and Screws are all of Steel, no Weak Places where these Vises can Wear Out.

Cast Steel with Steel Guides and 3 inch Steel Jaws, 5 inch Extension.

Each

No. V70—Weight 14 lbs..... $8.70

Loose



Cast Steel with Steel Guides

Nos.	V17	V20
Width of Jaws, inches	1¾	2
Extension of Jaws, inches	2¼	2½
Weight, lbs.	3½	5
Each	$2.60	3.60

Nos.	V22	V25	V30
Width of Jaws, inches	2¼	2½	3
Extension of Jaws, inches	2¾	3¼	4½
Weight, lbs.	7	9½	14½
Each	$4.60	6.30	8.70

Loose

BENCH VISES

ABERNATHY RAPID ACTION

Especially Suitable for Manual Training and Technical School Equipment.

ROLLER NUT SCREW STYLE

These Vises have but ONE part in addition to the elements of an old style, slow acting screw vise, and that is the "Roller," which is a large substantial casting, Practically impossible to put out of order even by abuse. They **have no springs whatever,** but depend upon the **weight of the "Rollers" for their action, and this is a Permanent factor.**

So constructed that it is absolutely impossible for the nut section to rise or the screw to spring out of engagement.

The "Roller" is a practically balanced cylinder containing a tapered dovetail mortise into which a nut section is removably fitted; the "Roller" simply hangs upon the screw, and due to its weight and the resulting frictional contact between these two parts the "Roller" rolls in whichever direction the screw is turned.

Made of the very best quality gray iron castings, well machined and nicely finished, with cold rolled steel slides; with an extra smooth and ccurately milled steel screw and with the highest grade of phosphor bronze hobbed nut, of more than usual length, which insures strength and long wear.

Standard Cabinet and Pattern Makers Roller Nut Screw Style

No. 80

Each

No. 80—Jaws 10 inches Long; 4 inches Deep; Opening 12 inches; Weight 35 lbs. **$19 00** 10 00

No. 80D—With Adjustable Dog, otherwise same as No 80.. **20 00** 10 50

One in a Box

For Manual Training School and Home Shop, Tail Vise Equipment Roller Nut Screw Style

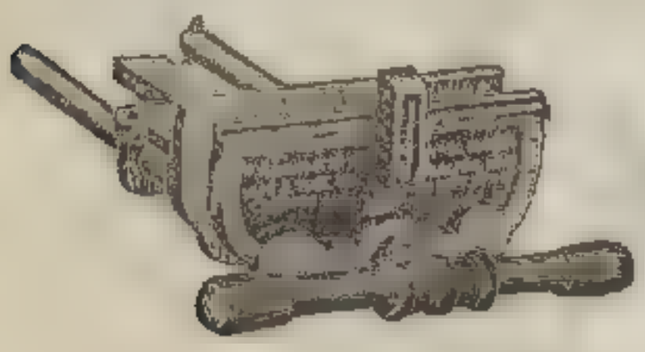
No. 70D

Each

No. 70—Jaws 7 inches Long; 4 inches Deep; Opening 9 inches; Weight 20 lbs. **$15 20** 8 00

No. 70D—With Adjustable Dog; otherwise same as No. 70.. **16 20** 8.50

One in a Box



CLUTCH STYLE
Manual Training School Special

Made of the very best quality of gray iron castings, well machined and nicely finished. with cold rolled steel sides.

Clutch No. 20

This Vise is instantaneous in adjustment; that is, the handle being in a vertical position, the front movable jaw may be drawn or pushed to any desired adjustment by a **single motion.**

The compression feed is three-fourths of an inch for each revolution of the handle, and if it is so desired the front jaw may be fed the whole length of its adjustment by a continuous turning of the handle, but approximately a **one-fourth** turn of the handle is all that is necessary to clamp an article for any ordinary purpose. The front jaw may also be pushed to an adjustment **regardless** of the position of the handle, which is often a convenience and a further saving of time.

The entire manipulation of this vise is accomplished by the handle alone, and all working parts are located under the bench, where they are protected from knocks and dirt.

Each

No. 20—Jaws 10 inches Wide; 3 inches Deep; Opening 9 inches; Weight 28 lbs. **$15.20** 8.00

No. 20D—With Adjustable Dog; otherwise same as No. 20.. **16.20** 8.50

One in a Box

Extras for Abernathy Bench Vises

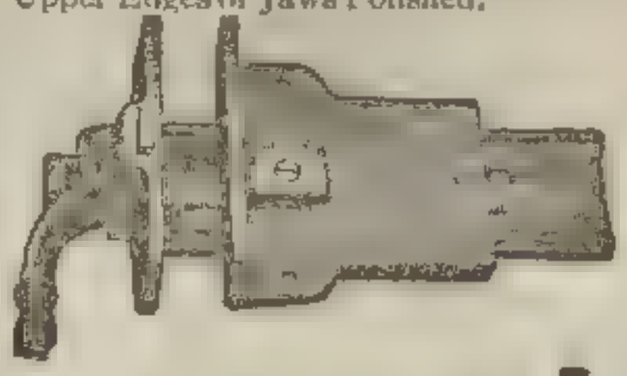
Maple Facings for any size, Extra	**$1.00**
Larger opening for any size, for each additional 3 inches.....	**1.00**

BENCH VISES

SHELDON
QUICK ACTING

Especially Suitable for Use in Manual Training Schools and where Subject to Heavy and Sudden Strains.

Heavy Gray Iron Frame and Jaws, Drop Forged Steel Rack with Carefully Milled Teeth; the Section of Upper Frame, which Engages Rack is Als Made of Drop Forged Steel with Milled Teeth; the Handle and Cam are Malleable Iron; Finished with Olive Green Paint, the Face and Upper Edges of Jaws Polished.

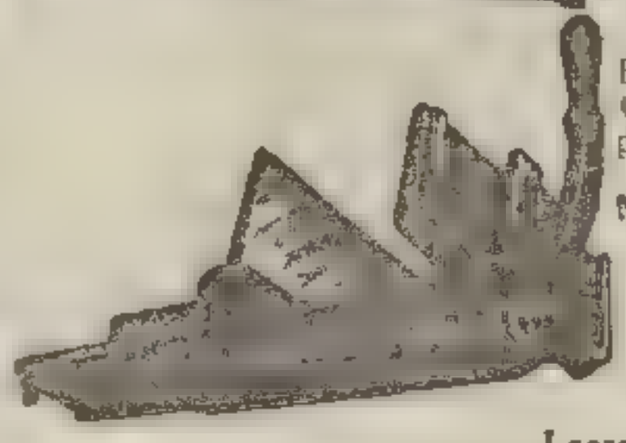


Each

No. 3—Jaws 7⅛x3 inches; Jaws Open 8¼ inches, Length Over All 16 inches; with Steel Dog in Outer Jaw, which, when Working in Connection with Bench Stop, Form a Clamp for Work on Top of Bench; Weight 23¼ lbs. . **$15.40** 7 00

Each

No. 4—Jaws 7¼x 2⅛ inches; Jaws Open 8⅛ inches; Length Over All 16 inches; Wt. 23 lbs. **$13.20** 6.00



Jaws of this Vise are Milled and Polished on Ends, Edges and Inner Grip, giving a very Attractive Appearance

Each

No. 6—Jaws 3½x8¾ in; Jaws open 11¼ in; Length over all 20½ in; Steel Dog in the Front Jaw gives Vise an exceptionally large Range of Gripping efficiency; Weight 32½ lbs. **$19 80** 9 00

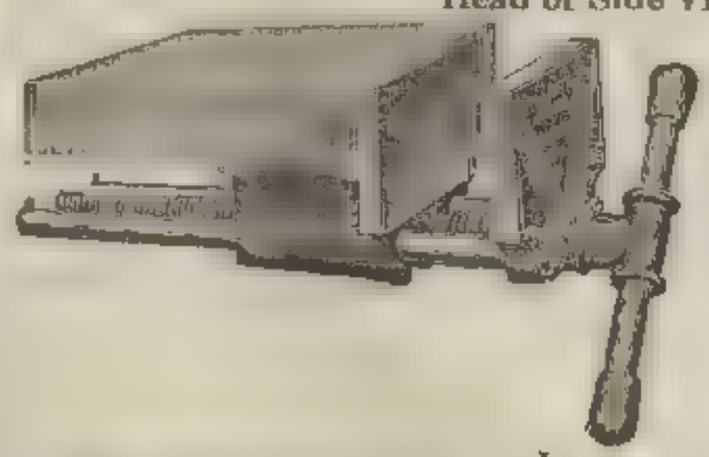
Loose

RICHARDS-WILCOX

Especially Suitable for Use in Manual Training Schools and Where Subject to Heavy and Sudden Strains.

Instantaneous Adjustment. Continuous in Action. Phosphor Bronze Nut Operates Entire Length of Screw. No Pawls, Racks or Triggers to Break or Wear. Nut is Released and Completely Disengaged When Pressure on Work is Removed by Slight Reverse Movement of Handle. When Pressure is Applied it Causes the Nut to Engage and Lock Screw Firmly. Screw is Cut with Single Thread Four to One Inch Hence has Double the Power or Pressure of Vises havig Screw Cut with Double Thread. Cold Rolled Steel Guides, Gray Iron Jaws with Working Surfaces Ground and Finished. Special Design of Ribs on Jaws Secures Minimum Deflection or Spring Under Pressure, as Well as Minimum Weight.

Head or Side Vise



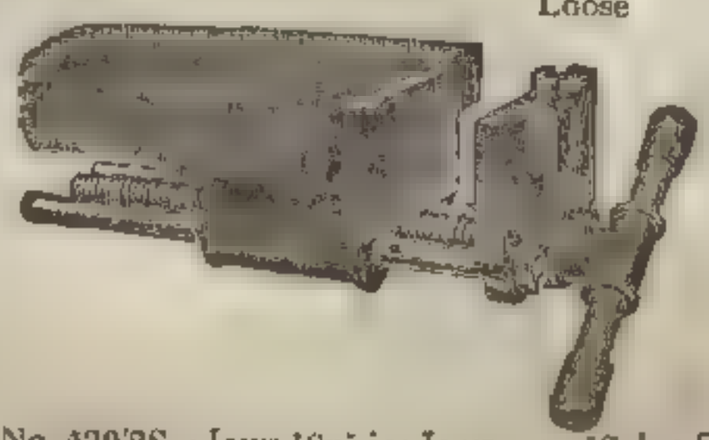
Each

No. 430/1—Jaws 7x4 in.; Jaws open 10 in.; Screw, 1 inch in Dia. 4 Threads to the inch; Length over all 17 in.; Wt. 29½ lbs. . **$13 20** 6.00

No. 430/2—Jaws 10x5 in; Jaws open 12 in; Screw 1 in. in Dia., 4 Threads to the in; Length over all 21 in; Weight 39½ lbs. **15.80** 7.20

Loose

Tail Vise With Brass Stop in Front Jaw Each



No. 430/1S—Jaws 7x4 in; Jaws open 10 in; Screw 1 in. in Dia., 4 Threads to the in; Length over all 17 in; With Brass Dog in Front Jaw; Wt. 30 lbs. **$14.60** 6.00

No. 430/2S—Jaws 10x5 in; Jaws open 12 in; Screw 1 in. in Dia., 4 Threads to the inch, Length over all 21 in; With Brass Dog in Front Jaw; Weight 40 lbs. **17.20** 7.80

Loose

MARCH, 192

LUCERNE

THE JUNGFRAU FROM INTERLAKEN

SWITZERLAND

[illegible]

GENEVA
ZERMATT
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LUGANO
THE GRISONS
ZURICH
TARASP-SCUOL
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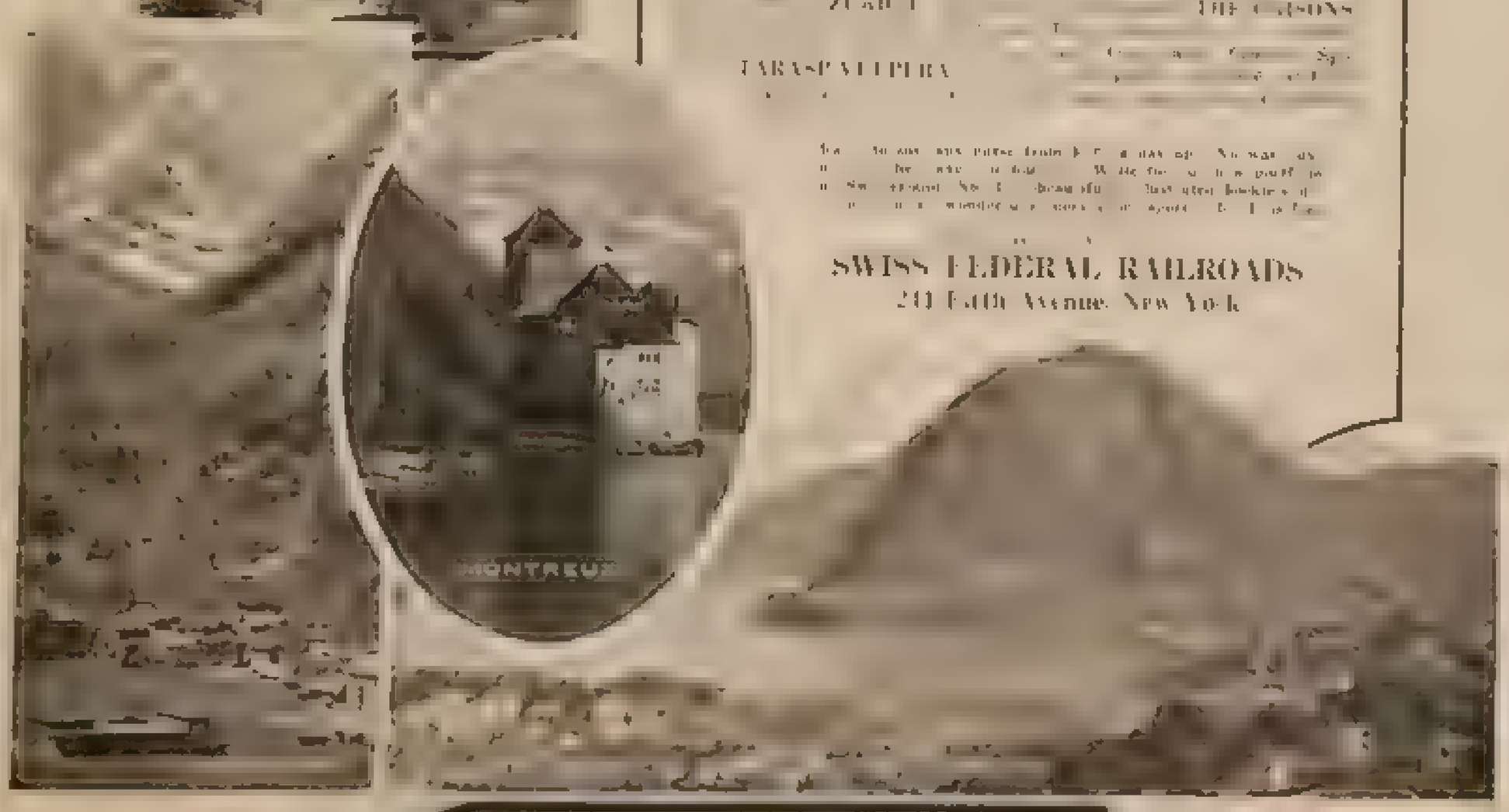
SWISS FEDERAL RAILROADS
241 Fifth Avenue, New York



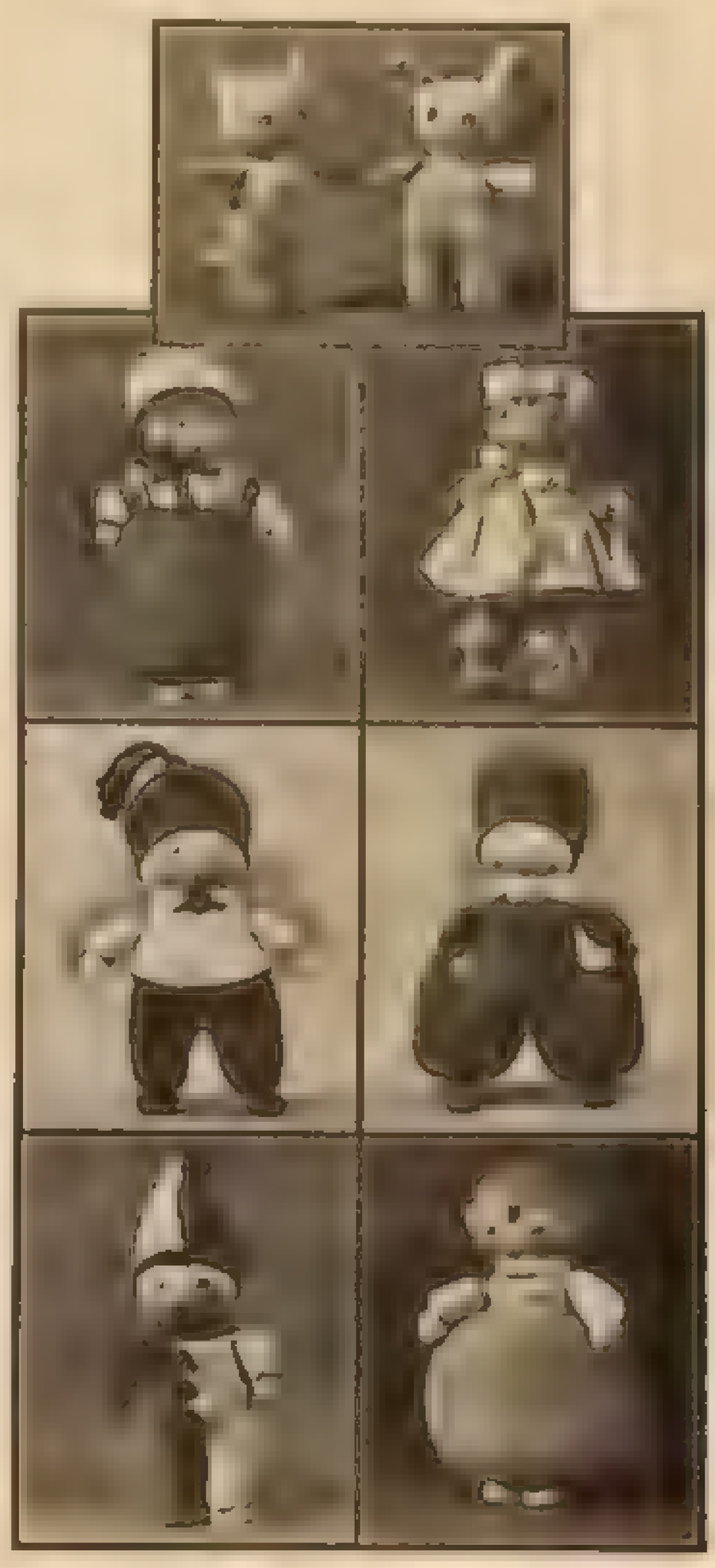
Norwegian State Railways

CHRISTIANIA, NORWAY

The
Richmond
Pattern of
ALVIN
SOLID SILVER
(STERLING)

The Gift of Gold

G



T

St. Valentine's Day in Pudding Lane

Illustrations by
Gertrude A. Kay

The story of St. Valentine's Day in Pudding Lane is on page 31.

Directions—Paste the entire page on heavy wrapping paper, then cut out around the dark outline. To make the dolls stand up, cut the base into three parts, bending forward on the red dotted line and backward on the blue dotted line. To open Santa Claus' window, cut along the dark line at the top and bottom, and down the center, and bend forward on the red dotted lines at the sides. Then get Santa and his brothers into play with Santa's arms reaching over the window ledge toward the cat.

Which play would you make?

Cribbage—Peter has played 3, 5 and 6. dealer 7 and 4. Dealer holds 5 and 6. What is the obvious play? What is the best play?

Are you foresighted?

In life, as in cards, some play for the next trick while others look ahead to the ultimate score. But people who make it a habit to

Play Cards for Recreation

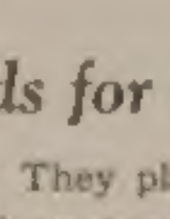
soon develop foresight. They play to win the game, not merely an immediate point or two. What other amusement so sharpens the mental qualities that are necessary for business and social success?

Send for your choice of the interesting books listed at the right

THE UNITED STATES PLAYING CARD CO.
DEPARTMENT A-4, CINCINNATI, U. S. A.

BICYCLE
PLAYING CARDS

BICYCLE PLAYING CARDS are favorites for regular play the world over because of their perfect slip and lasting quality.



CONGRESS PLAYING CARDS are especially desirable for social play because of their art backs in full color and gold edges.

Send coupon below for these books

The Official Rules of Card Games—200 games, 200 pages. Answers every question—50 cents.

How to Play Auction Bridge—Teaches all the fundamental points of the game—50 cents.

Six Popular Card Games—Rules of Auction, Cribbage, Five Hundred, Flinch, Pinochle, Solo—5 cents.

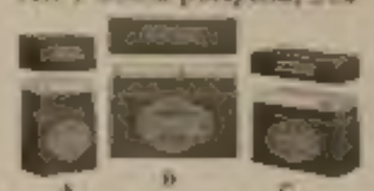
How to Entertain with Cards—Everything from instructions to players and dealer—5 cents.

Fortune Telling with Playing Cards—Complete directions for telling fortunes with a regular pack of cards—5 cents.

Card Tricks for the Amateur Magician—Twelve tricks that can be done with a regular pack of cards—5 cents.

Card Stunts for Kiddies—How to use old playing cards in an entire process of entertaining kindergarten pastimes—5 cents.

All 7 books postpaid, 50c



A B C

For Auction Bridge Players
New Two-Pack Cases
of Congress Cards

Two packs. White Diamond idea of contracting the 9 designs in one telescope case. Convenient for traveling. Perfect for Auction Bridge parties. Edges gilt. Cards are regular Congress size, with pictures, decorations, or initial backs, gold edges. Cases stamped in gold. Three styles of case as shown. If your dealer can't supply you we will mail upon postpaid. $1.75 for each two-pack case. Specify case desired, A, B, or C.

The United States Playing Card Co.
Dept. A-4, Cincinnati, Ohio.

Send me postpaid the books which I have underlined.

Official Rules 10c. Card Tricks 5c. Card Games 5c. Fortune Telling 5c. Entertaining with Cards 5c. Auction Bridge Lessons 10c. 6 Popular Games 5c. All seven books for 50c.

Enclosed find ..... two-pack cases Congress Cards. Which you have sent me at ..... $1.75 per case.

Name .....

Address .....

City .....

State .....

FOR REST AND RECREATION-

BERMUDA

THIS SUMMER

BERMUDA solves your summer travel problem—it offers an unique vacation in a foreign land, at most moderate cost. The equable summer temperature averages 77 degrees and there is an invigorating, cooling breeze 24 hours of every day. There are no noises—no railroads, trolleys, automobiles, or factories. Just the place to rest tired nerves.

For recreation, there is the best surf and still-water bathing, sailing, canoeing, fishing, cycling, driving, tennis, golf on fine 18-hole courses, and sightseeing—including the Crystal Caves and Sea Gardens. Dances and parties at the hotels, too. In summer these 150 islands are a luxuriant panorama of exotic flowers in full bloom—oleanders, hibiscus, poinciana, bougainvillea, etc., all at their best.

Only two days from New York—a delightful summer sea voyage on palatial liners. No passports required.

Secure beautiful illustrated book from the Furness Bermuda Line, 34 Whitehall Street, New York, or any travel agency, or

The Bermuda Trade Development Board
141 West 36th Street, New York

(A department of the Bermuda Government which has authorized the publication of this advertisement.)

Low-Cost All-Expense Tours

yielding round trip, hotel, meals, sightseeing, 8 days, $80 and up (longer tours in proportion) based on minimum steamship round trip of $60

350 Islands Swept by Ocean Breezes

Mediterranean Crystal Caves, Electrically Lighted

Every Day a Good Sailing Day

Detach and Mail Today

The Bermuda Trade Development Board
141 W. 36th St., New York

Send free illustrated book describing Bermuda, and full information about low-cost, all-expense summer tours.

Would go to Bermuda on or about .....
for ..... days.
Name .....
Address T-6

Visit the

Fjords of Western Norway

Finest Scenery — Best Hotels — Splendid Steamers

Suldalsporten—Ryfylke
(Det Stavangerske Dampskibsselskab)

Laatefoss—Odda—Hardangerfjord
(Hardanger-Sondhordlandske Dampskibsselskab)

Brikdal Glacier—Nordfjord
(Fylkesbaatane in Sogn og Fjordane)

Romsdalshorn—Romsdalsfjord
(More Fylkes Ruteselskap)

THE fjords of the west coast of Norway are among Nature's greatest handiwork. Some are walled by great frowning cliffs, others by lofty snow capped mountains and still others by fertile smiling hills. In solemn grandeur and majesty they are unsurpassed. Unlike anything else in the world the fjords are Europe's supreme spectacle.

Information as to steamship service, hotels and rates may be obtained from

Stavangerske Steamship Co.
STAVANGER

Hardanger-Sondhordlandske Steamship Co.
BERGEN

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MOLDE

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BERGEN